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UNIVERGE Terminal DT730/DT710/DT330/DT310

USER'S GUIDE

NEC Infrontia Corporation
2008 February

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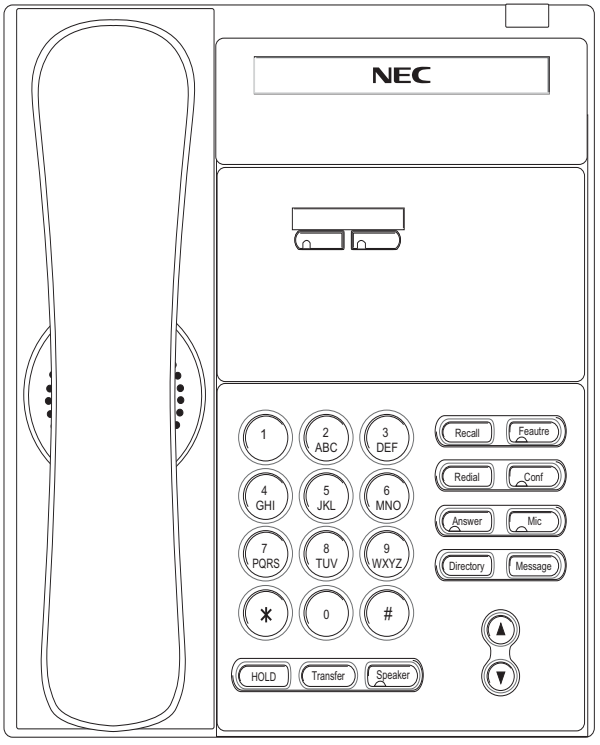
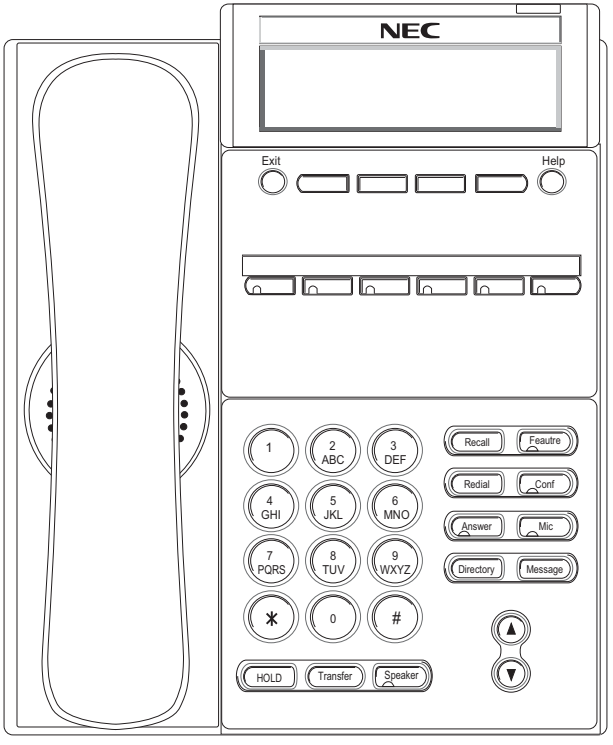
1. INTRODUCTION

FACE LAYOUT

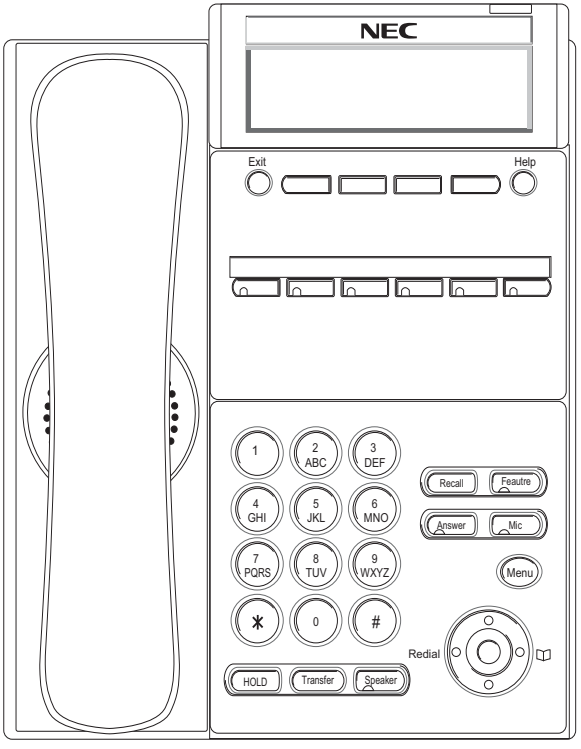
DT310/710 (DTL-2E-1/ITL-2E-1)



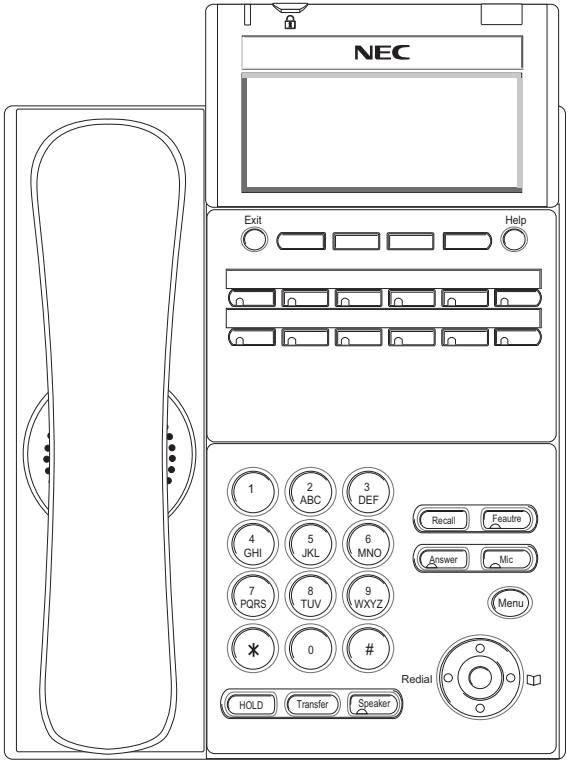
DT310 (DTL-6DE-1)



DT710 (ITL-6DE-1)

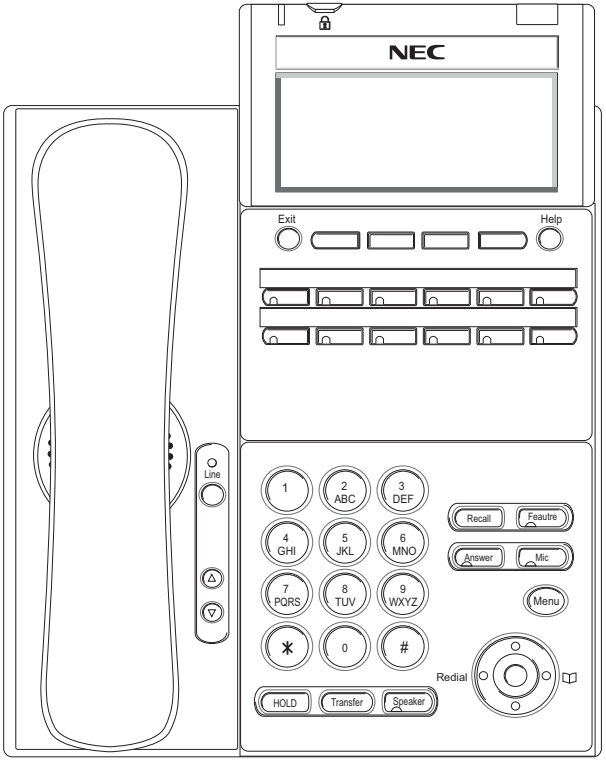


DT330/DT730 (DTL-12D-1/ITL-12D-1)



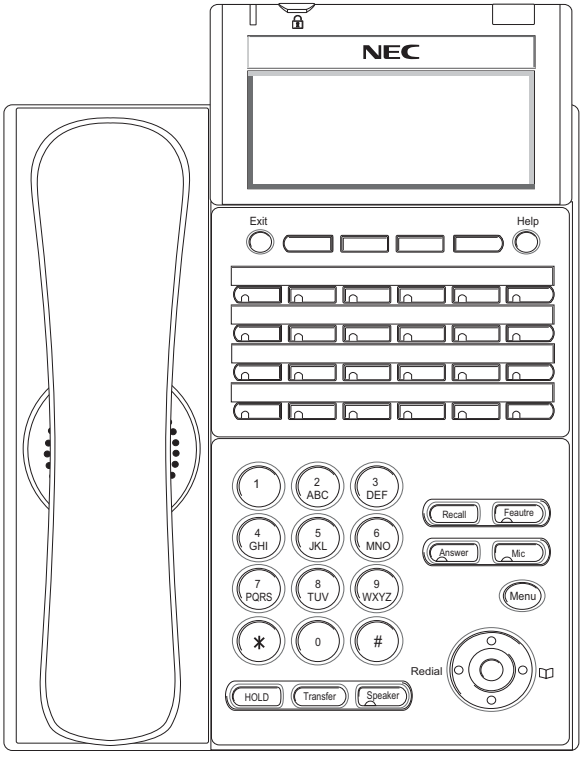
TIP: *Security key is equipped on DT730 (ITL-12D-1) only.*

DT330/DT730 (DTL-12PA-1/ITL-12PA-1)



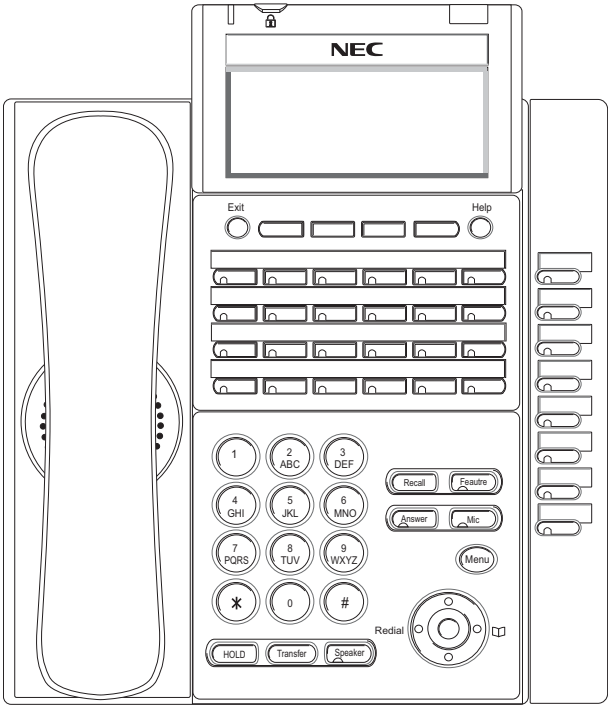
TIP: *Security key is equipped on DT730 (ITL-12PA-1) only.*

DT330/DT730 (DTL-24D-1/ITL-24D-1)



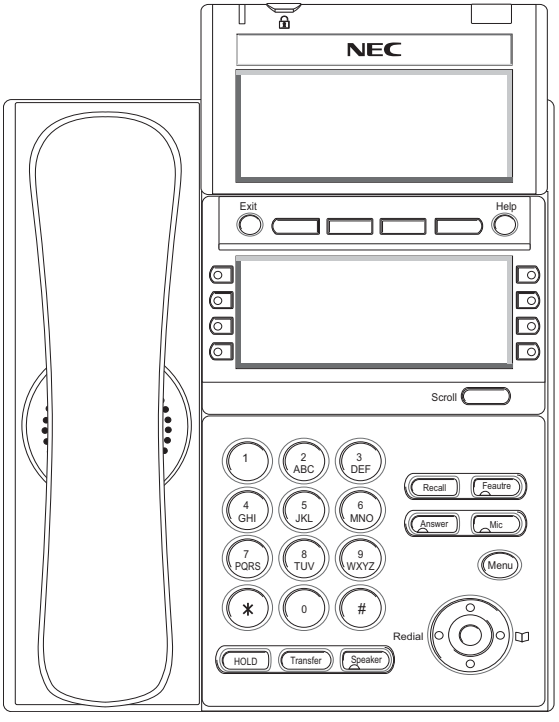
TIP: *Security key is equipped on DT730 (ITL-24D-1) only.*

DT330/DT730 (DTL-32D-1/ITL-32D-1)



TIP: *Security key is equipped on DT730 (ITL-32D-1) only.*

DT330/DT730 (DTL-8LD-1/ITL-8LD-1)

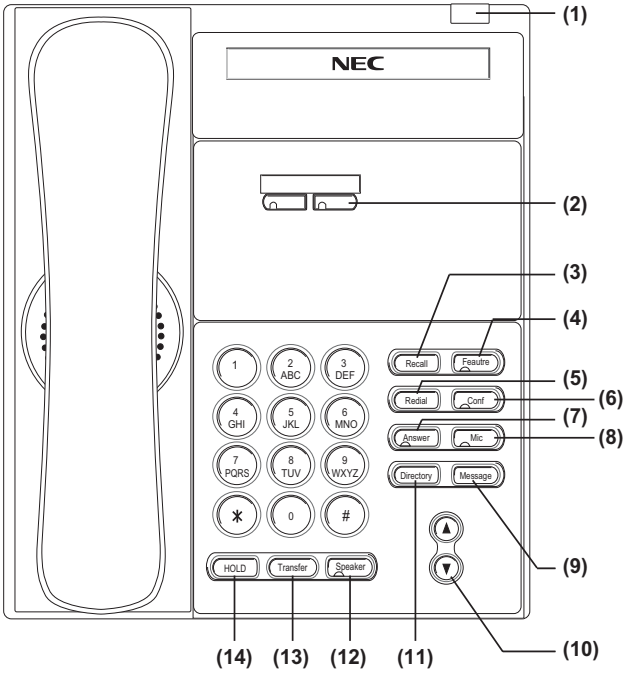


TIP: *Security button is equipped on DT730 (ITL-8LD-1) only.*

KEY AND PARTS

DT310/DT710

Example: DTL-2E-1/ITL-2E-1



(1) Call Indicator Lamp
Lamp at top corner of DT Series Display flashes when a call terminates to the terminal. Lamp lights steadily when a message has been left.

(2) Programmable Keys
These keys can be programmed as Flexible Line key/Programmable Feature Key by Telephony Server Administrator.
When Telephony Server Administrator sets “One-Touch Speed Dial key” on the programmable keys, users can assign any numbers (ex. Telephone number, etc.) to the key (up to 24 digits).

* For the assignment of the keys, confirm to the Telephony Server Administrator.

(3) Recall
Press key to finish the call and hear the dial tone.

(4) Feature
Used to activate any features as terminal setup functions, etc. and to program One-Touch Speed Dial Keys.

(5) Redial
(Last Number Call, Speed Calling-Station/Group)
Press key to activate redial feature. Press redial and scroll back through numbers that have been dialed.
When the desired number is displayed, press the ✳ or # key to activate dialing.

TIP: *A-law Countries [Australia, Russia, Latin America, UK, Middle near East, other Asian nations]: # µ-law Countries [North America, Japan, Hong Kong, Taiwan]: ✳*

(6) Conf
Press key to establish a conversation. LED on key lights when key is active.

(7) Answer
When LED on this key is lit, press key to answer a

waiting call.

(8) Mic
Press key to respond hands free. LED on this key lights during speakerphone operation.

(9) Message
Press key to access the voice mail system.

(10)Up/Down
(∨ DOWN ∧ UP)
Used to adjust LCD contrast, speaker/receiver volume, and ringer volume.

- LCD Contrast:
  Press (∨) or (∧) key while idle.
- Speaker/Receiver Volume:
  Press (∨) or (∧) key during conversation.
- Ringer Volume:
  Press (∨) or (∧) key during ringing.

(11)Directory
Press key to activate speed calling - system feature.

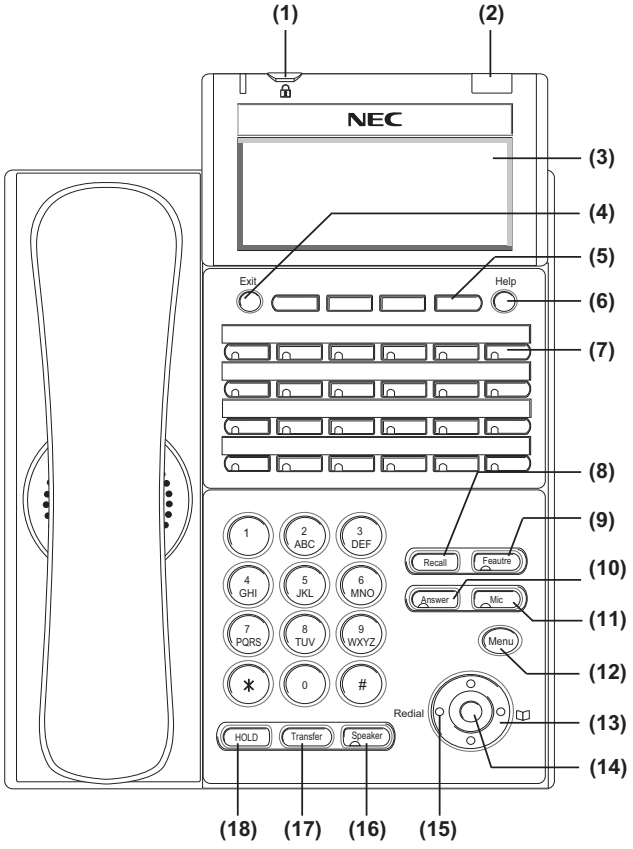
(12)Speaker
Controls the built-in speaker which can be used for Hands Free dialing/monitoring.
LED on key lights when key is active.
* All standard IP versions include support for full duplex handsfree mode. All TDM and IP enabled-ersions are half duplex handsfree mode.

(13)Transfer
Allows the station user to transfer established calls to another station, without attendant assistance.

(14)Hold
Press this key to place an internal or external call on hold.

DT330/DT730

Example: DTL-24D-1/ITL-24D-1



(1) Security Button (DT730 only)
The user can prevent information leakage from terminal by simple operation.

(2) Call Indicator Lamp
Lamp at top corner of DT Series Display flashes when a call terminates to the terminal. Lamp lights steadily when a message has been left.

(3) LCD
LCD (Liquid Crystal Display) provides DT Series activity information plus data, time and Soft Key Operation.

(4) Exit
The user can exit from the Help key mode by pressing this key.

(5) Soft Keys
Any feature shown at the bottom of the LCD is available. The appropriate feature key is displayed on the screen according to the call handling process.

(6) Help
Explanations of the Soft Keys can be called up on the LCD by pressing this key.

(7) Programmable Keys
These keys can be programmed as Flexible Line key/Programmable Feature Key by Telephony Server Administrator.
When Telephony Server Administrator sets “One-Touch Speed Dial key” on the programmable keys, users can assign any numbers (ex. Telephone number, etc.) to the key (up to 24 digits).

* For the assignment of the keys, confirm to the Telephony Server Administrator.

** When two telephone numbers are assigned on A side and B side of “One-Touch Speed Dial key”, user can switch the side by **PAGE** key (Soft key).

(8) Recall
Press key to finish the call and hear the dial tone.

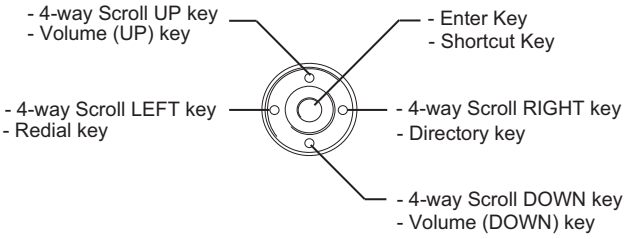
(9) Feature
Used to activate any features as terminal setup functions, etc. and to program One-Touch Speed Dial Keys.

(10)Answer
When LED on this key is lit, press key to answer a waiting call.

(11) Mic
Press key to respond hands free. LED on this key lights during speakerphone operation.

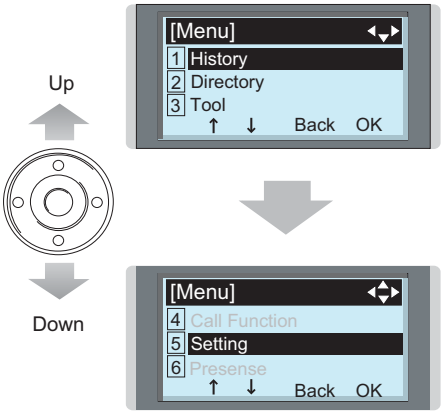
(12) Menu
From this key, the user can access to the functions not normally used (such as terminal settings, downloads and access to XML applications) easily.

(13) Cursor
By using this Key, DT Series user can access to various features with simple operation.



For DT330 Series, two lines of menu items can be displayed at a time. For DT730 Series, three or four lines of menu items can be displayed at a time. The following figure show the menu screen for DT 730 Series. Use Up/Down key to scroll the item.

Menu screen for DT730 Series



(14)Enter
DT330/DT730 Series has Shortcut Menu for frequentry-used features. The user can access to

Shortcut Menu by pressing **Enter** Key.

(15)Redial

(Last Number Call, Speed Calling-Station/Group)

Press key to activate redial feature. Press redial and scroll back through numbers that have been dialed.

When the desired number is displayed, press the * or # key to activate dialing.

TIP: *A-law Countries [Australia, Russia, Latin America, UK, Middle near East, other Asian nations]: # μ-law Countries [North America, Japan, Hong Kong, Taiwan]: **

(16)Speaker

Controls the built-in speaker which can be used for Hands Free dialing/monitoring.

LED on key lights when key is active.

* All standard IP versions include support for full duplex handsfree mode. All TDM and IP enabled-ersions are half duplex handsfree mode.

(17)Transfer

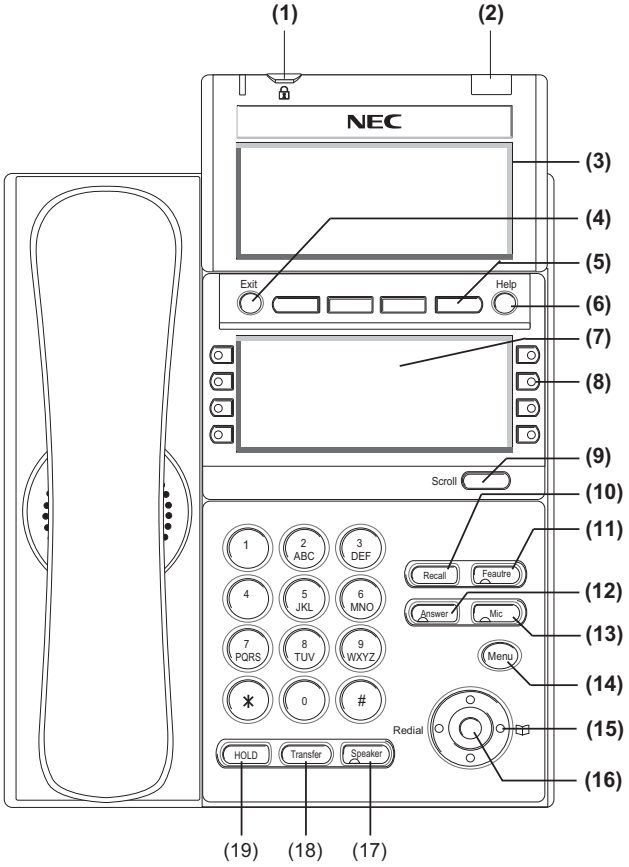
Allows the station user to transfer established calls to another station, without attendant assistance.

(18)Hold

Press this key to place an internal or external call on hold.

DT330/DT730

Example: DTL-8LD-1/ITL-8LD-1



(1) Security Button (DT730 only)
The user can prevent information leakage from terminal by simple operation.

(2) Call Indicator Lamp
Lamp at top corner of DT Series Display flashes when a call terminates to the terminal. Lamp lights steadily when a message has been left.

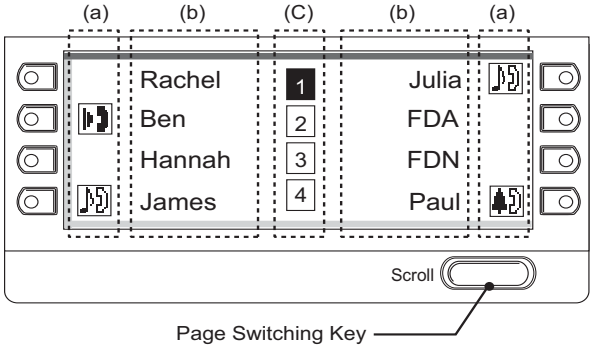
(3) LCD
LCD (Liquid Crystal Display) provides DT Series activity information plus data, time and Soft Key Operation.

(4) Exit
The user can exit from the Help key mode by pressing this key.

(5) Soft Keys
Any feature shown at the bottom of the LCD is available. The appropriate feature key is displayed on the screen according to the call handling process.

(6) Help
Explanations of the Soft Keys can be called up on the LCD by pressing this key.

(7) 8LD Display



32 (8 keys x 4 pages) additional programmable keys are provided. They can be programmed as Flexible Line/Programmable feature key by Telephony Server Administrator, similar to existing programmable keys. When Telephony Server Administrator sets “One-Touch Speed Dial key” on the programmable keys, users can assign any numbers (ex. Telephone number, etc.) to the key (up to 8 digits).

* Maximum 8 characters can be displayed.

** The users can change the name displayed on the LCD. For the operating procedure, refer to **To Register Name On One-Touch Speed Dial key**.

*** For the assignment of the keys, confirm to the Telephony Server Administrator.

(a) Icon

Status of the Line key such as Call termination, Call Hold or Busy, and setting on the Feature key are shown as Icons.

User’s Status	Icon	Flashing Pattern
• Idle	No Icon	
• Call Hold (Individual Hold/Individual Hold on Call Park Group) • Exclusive Call Hold		Blink **Note**
• Call Hold (Individual Hold/Individual Hold on Call Park Group)		
• Recall (Individual Hold/Exclusive Call Hold/Call Transfer/ • Individual Hold on Call Park Group)		Blink **Note**
• Recall (Other Party Hold/Other Party Hold on Call Park Group) • Incoming Call		
• During Conversation (Individual Use) • Call Transfer • Conference		
• During Conversation (Other Party Use) • Active Feature (Under a setting of feature key like a “Call Forwarding”)		
• Others		Steady Lit
• While setting the		

(b) Feature Key Information

Feature Key Information displays the followings.

Key	Description	Maximum digits to be displyed
Line Key	- Name and Number information	Up to 8 digits.
Feautre Key	- Fearture Name	Up to 8 difits.
One-Touch Speed Dial Key	- Speed Dial Name Information - Number Information	Up to 6 digits.

(c) Page Icon

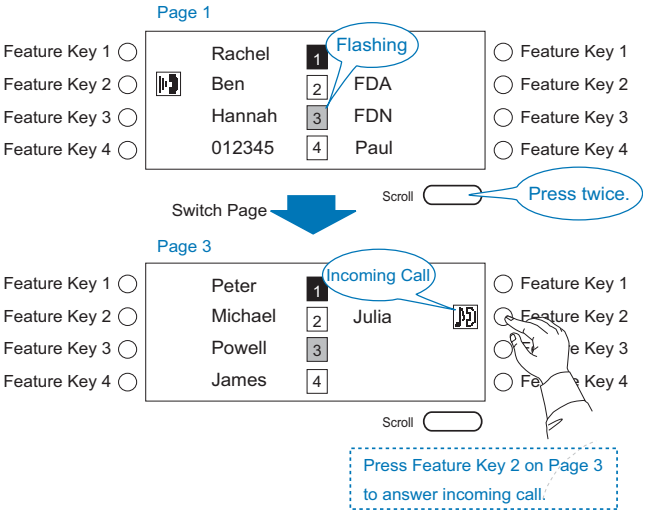
8LD display has four pages (8 Programmable Feautre keys per page). Page Icon Key indicates currently displayed page. The user can switch the Feature Key display from page 1 to 4 by using the Page Switching Key.

1	Feature Key 1-8	Black background indicates currently displayed page.
2	Feature Key 9-16	
3	Feature Key 17-24	Flashing indicates page with event happening.
4	Feature Key 17-24	

.

TIP: *The icon flashes during events such as call termination to a line key or call back.*

Example:



(8) Programmable Keys

These keys can be programmed as Flexible Line key/Programmable Feature Key by Telephony Server Administrator.

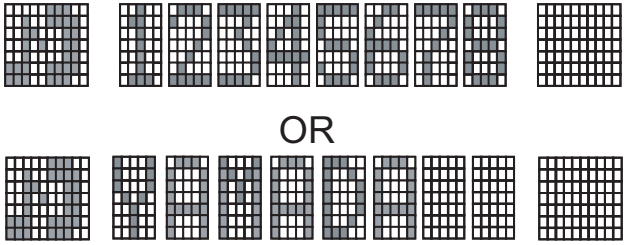
When Telephony Server Administrator sets “One-Touch Speed Dial key” on the programmable keys, users can assign any numbers (ex. Telephone number, etc.) to the key (up to 24 digits).

* For the assignment of the keys, confirm to the Telephony Server Administrator.

** When two telephone numbers are assigned on A side and B side of “One-Touch Speed Dial key”, user can switch the side by **PAGE** key (Soft key).

Following picture shows LCD indication of Pro-

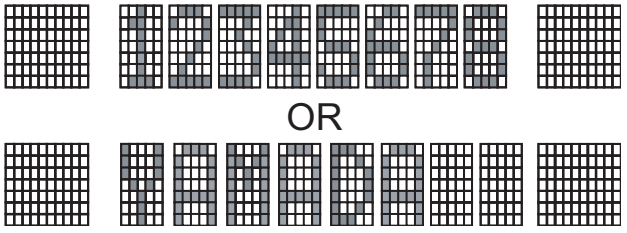
grammable keys.



Appropriate icons are displayed according to the using feature. These displays cannot be changed by user.

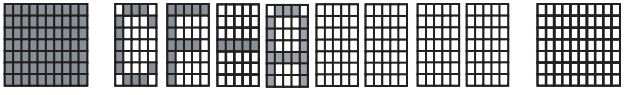
Following pictures shows each LCD indication when One-Touch Speed Dial key is set to Programmable key. Following picture shows the indication of each status.

When Station line/Trunk line are assigned.



No icons are displayed.
* Users can register name on each One-Touch Speed Dial key. For the procedures, refer to **To Register Name On One-Touch Speed Dial key**.

When any features using feature access code are assigned.



Icons turn black.
* Users can register name on each One-Touch Speed Dial key. For the procedures, refer to **To Register Name On One-Touch Speed Dial key**.

(9) Scroll Key
This key is used to turn over the page of 8LD display.

(10) Recall
Press key to finish the call and hear the dial tone.

(11) Feature
Used to activate any features as terminal setup functions, etc. and to program One-Touch Speed

Dial Keys.

(12)Answer

When LED on this key is lit, press key to answer a waiting call.

(13) Mic

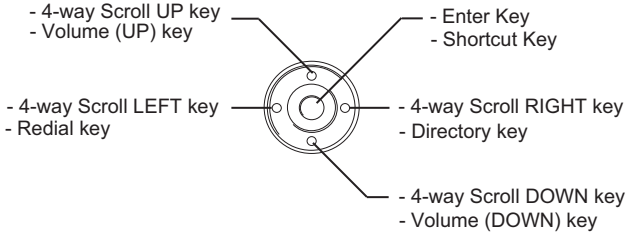
Press key to respond hands free. LED on this key lights during speakerphone operation.

(14) Menu

From this key, the user can access to the functions not normally used (such as terminal settings, downloads and access to XML applications) easily.

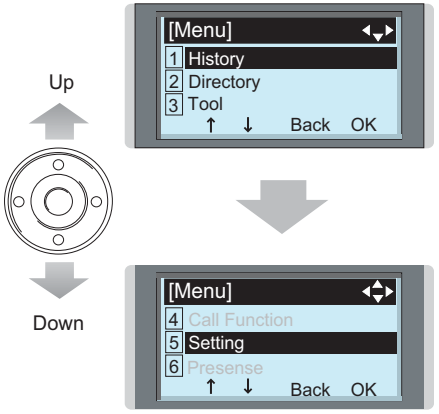
(15) Cursor

By using this Key, DT Series user can access to various features with simple operation.



For DT330 Series, two lines of menu items can be displayed at a time. For DT730 Series, three or four lines of menu items can be displayed at a time. The following figure show the menu screen for DT 730 Series. Use "Up" or "Down" key to scroll the item.

Menu screen for DT730 Series



(16)Enter

DT330/DT730 Series has Shortcut Menu for frequentry-used features. The user can access to Shortcut Menu by pressing **Enter** Key.

(17)Speaker

Controls the built-in speaker which can be used for Hands Free dialing/monitoring.
LED on key lights when key is active.
* All standard IP versions include support for full duplex handsfree mode. All TDM and IP enabled-ersions are half duplex handsfree mode.

(18)Transfer

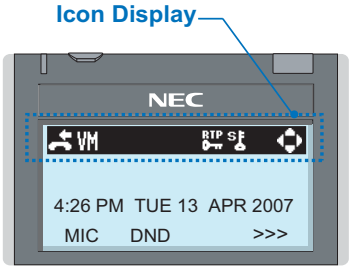
Allows the station user to transfer established calls to another station, without attendant assistance.

(19)Hold

Press this key to place an internal or external call on hold.

ICON DISPLAY

The LCD of DT730 Series/DT330 Series displays Desktop Icons which provide notification when events (such as missed call and voice mail) occur.



Feature	Icon	Description
Missed Call		This icon appears when there is a missed call. Once the user has checked the missed call, this icon will disappear.
Voice Mail		This icon provides notification of incoming Voice Mail. Once the user has checked the mail, this icon will disappear.
Encryption		This icon appears when using RTP Encryption feature.
Security		This icon appears when the Security Key is pressed and the terminal in Security mode
Cursor		This icon indicates the currently available direction of the Cursor Key.

MENU LIST

From the Menu List, the user can use various application features such as Directory and Call History.

To Display Menu List

☐ Press Menu Key. The Menu List is displayed in LCD. Use Cursor Key to select desired Menu Item.

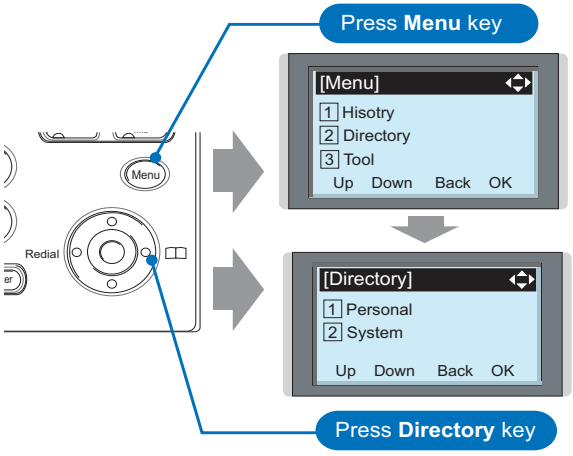
No.	Menu Item	Description
1	Call History	To view Call History. For details, see 7.CALL HISTORY OPERATION.
2	Directory	To use Directory function. For details, see 6.DIRECTORY OPERATION.
3	Tool	- Uses when accessing external XML server. For details, please contact the system administrator. - Uses when sending/receiving Instant Message.
4	Call Function	Currently Not Used (grayed out).
5	Setting	To set up the temrinal such as ringing volume control, LCD display setting and download of Music on Hold.
6	Precense	Currently Not Used (grayed out).
#	Favorite	Currently Not Used (grayed out).
0	Terminal Config	This item is used for Configuration setting of DT Series. For details, please contact the system administrator.

TIP: *Unavailable Menu items are grayed out.*

SIMPLE OPERATION BY MENU KEY AND CURSOR KEY

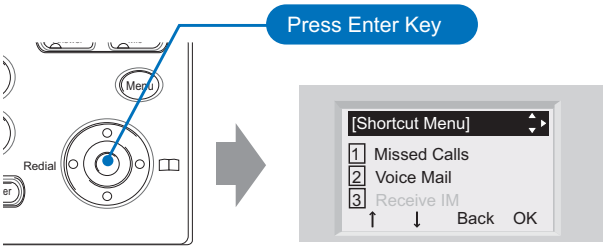
By using Menu Key and Cursor Key, DT Series user can access to Call History, Directory and terminal settings with simple operation.

As an example, the following shows the operations how to access to Directory menu.



SHORTCUT MENU

As shown in the figure below, DT330/DT730 Series has Shortcut Menu for frequentry-used features. The user can access to Shortcut Menu by pressing **Enter** Key.



Note: *DT310/710 Series does not support the Shortcut Menu.*

Shurtcut Menu includes the following features.

Feature	Description
1. Missed Calls	Access to history of Missed Call.
2. Voice Mail	Access to history of incoming Voice Mail.
3. IM	Currently Not Used (grayed out).
4. Presence	Currently Not Used (grayed out).
6.Bluetooth	Currently Not Used (grayed out).

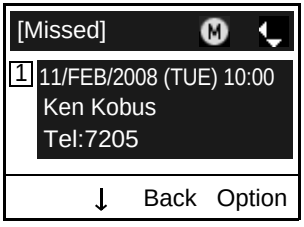
As an example, the following shows the operations how to access to the **History** screen from the Shortcut menu.

☐ Press **Enter** Key. The Shortcut menu screen is dis-

palyed on LCD.

☐ Select 1 **Missed Calls** and then press (**Enter**), (**Right-cursor**) or **OK** soft key.

☐ The log data of the last call is displayed.



TIP: *If two or more records exist, use or ↑/↓ soft key to display the next/former records.*

☐ Lift handset or press (**Enter**) key while displaying the log data for the target telephone number on LCD.

TIP: *While the log data is displayed, the user cannot make a call by dialing a telephone number.*

PROGRAMMABLE FEATURE KEYS

These are examples of DT Series features available by pressing the programmable keys. Some features using feature access code may be programmed by the user. Others must be programmed by the telephone system administrator.

AICM:
Press key to activate “Automatic Intercom”.

DICM:
Press key to activate “Dial Intercom”.

DND (Do Not Disturb):
Press key to activate or cancel “Privacy” feature.

FDA:
Press key to activate or cancel “Call Forwarding – All Calls” feature.

FDB:
Press key to activate, verify, or cancel “Call Forwarding – Busy Line” feature.

FDN:
Press key to activate, verify, or cancel “Call Forwarding – Don’t Answer” feature.

MICM:
Press key to activate “Manual Intercom”.

MSG (Message):
Press key to leave message indication at station in no answer or busy condition.

MULTILINE APPEARANCE:
A programmable extra extension key. Press this key to see status of extra extension.

MW-SET:
Press key to leave message waiting indication on boss' station from secretary's station.

MW-OFF:
Press key to cancel message waiting indication on boss' station from secretary's station.

P-RLS:
Press key to release "Privacy" feature.

S&R (Save and Repeat):
Press key to store a number or redial a stored number.

SIG:
Press key to cause chime at predetermined station.

NAME:
Press key to register name for the key to **One-Touch Speed Calling** key.

LED

Programmable Feature keys have a built-in Light Emitting Diode (LED) that lights or flashes according to the activity of that Feature key.

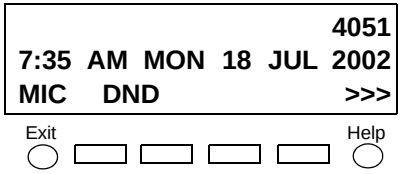
Function Key Activities

Feature + 0 = Side Tone On/Off. (for handset) **(Note)**
Feature + 1 = Turns microphone on or off.
Feature + 2 = Adjusts handset receiver volume.
Feature + 3 = Selects ringer tone.
Feature + 4 = Adjusts transmission/receiving volume.
Feature + 5 = Activates hands-free operation.
Feature + 6 = Deactivates hands-free operation.
Feature + 7 = Turns call indicator lamp on or off for incoming call notification. (If turned off, this lamp will still light to indicate message waiting.)
Feature + 8 = Turns Dynamic Dial Pad on or off.

Note: *Not available for DT700 Series.*

SOFT KEYS

The Soft Keys on the DT Series provide a set of functions on the LCD that adapts to the changing state of the telephone. While default Soft Key settings are provided, desired functions can be assigned to individual stations as required. The Soft Keys, at the bottom of the LCD, can display the names of available functions, names of user-assigned functions and names of functions assigned by a specific Soft Key pattern. Displayed Soft Keys can vary, depending on the state of the phone and/or when the Next/Previous button is pressed.



TIP: *Soft Key function is available for the terminals with LCD.*

Exit Key
Press to exit the Help program.

Help Key
Press the Help Key, then desired Soft Key for helpful information about that key.

MIC (Microphone)
Press the Soft Key below "**MIC**" to activate or deactivate the Microphone. LED on Mic key will illuminate when Mic is on.

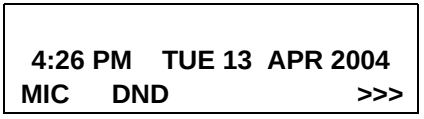
DND (Do Not Disturb)
Press the Soft Key to reject call termination to the preassigned station.

Default Displays for Each Status

Default Soft Key settings are provided corresponding to particular functions. Different Soft Key settings are displayed at the bottom of the LCD depending on the status, as shown below.

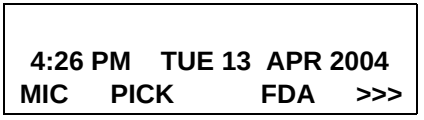
Different patterns of Soft Key settings can be registered for individual call status and assigned to individual terminals as required.

IDLE



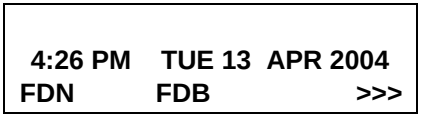
DIAL TONE/DIALING

(1)

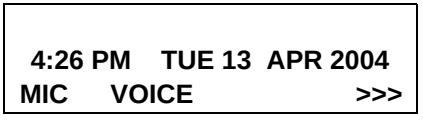


Push >>>

(2)



RINGING



BUSY

(1)

```
BUSY                    2000
 4:26 PM   TUE 13  APR 2004
MIC      CB      CW     >>>
```

Push >>>

(2)

```
BUSY                    2000
 4:26 PM   TUE 13  APR 2004
S&R                     >>>
```

CONNECTION

```
                        2000
 4:26 PM   TUE 13  APR 2004
MIC    DND              >>>
```

CONSULTATION HOLD

```
TRANSFER                2000
 4:26 PM   TUE 13  APR 2004
MIC    CONF             >>>
```

Soft Key Features

When the Soft Key corresponding to a desired feature name is operated, the selected feature name starts to blink on the LCD. The blinking display of available features takes precedence over the display of features specified by the Soft Key pattern. **(Note)**

The following shows the defaul display patterns of main features.

FDB (Call Forwarding - Busy Line)
Permits a call to a busy station to be immediately forwarded to a predesignated station.

FDA (Call Forwarding - All Calls)
Permits all calls destinated for a particular station to be routed to another station regardless of the busy or idle status of the called station.

FDL (Logged Out IP Station - Call Destination)
Enables a system to transfer the call to appropriate station when Dterm whose LOGGED OUT IP STATION - CALL DESTINATION has already been registered is in logout status.

E-OVR (Executive Override)
Enables selected station users, upon encountering a busy condition at an internal station, to bridge into the busy connection.

CW (Call Waiting)
Enables a busy station to receive a second incoming call. A camp-on indication tone is sent to the busy station, and the user can use a switchhook flash to answer the second call.

CB (Call Back)
Provides the ability for a calling station to set a CALL BACK. The calling station will be rung as soon as the busy station becomes available.

S&R (Save and Repeat)
Allows a station to save a specific dialed number and then redial that number later.

MWSET (Message Waiting - Set)
Allows a station to set a Message Waiting indication or lamp.

HOLD (Call Hold)
Permits a station user to hold a call in progress and to return to the previously held call.

MWOFF (Message Waiting - Cancel)
Allows a station to cancel a Message Waiting indication or lamp.

PICK (Call Pickup - Group)
Permits a station user to answer any calls directed to other lines in the user's preset Call Pickup Group.

CONF (Three-way Calling)
Enables a station user to establish a three-way conference by connecting an additional party to an already existing conversation.

VOICE (Voice Call)
Enables the user to make a call to the called party's built-in speaker. If the called party's MIC is on, the called party can converse on hands-free.

S-SPD (Speed Calling - System)
Allows a station user to call certain frequently dialed numbers using fewer digits (abbreviated call codes) than would normally be required.

CAS (CAS-Switch Hook Flash)
Allows the user to send a switchhook flash while on an outside trunk.

UCDBO (UCD Busy Out)
Allows a station user to block UCD calls and to cancel Busy Out.

FLASH (Flash)
Provides the station with a switchhook flash.

FDN (Call Forward - No Answer)
Permits a call to an unanswered station to be forwarded to a predesignated station if the called station does not answer within a predetermined period of time.

C-RPT (ISDN Malicious Call Trace)
Allows the user to initiate a Call Trace on ISDN calls only.

G-SPD (Speed Calling - Group)
Allows a station user to share a set of common Speed Calling numbers with other station users in the group.

P-RLS (Privacy Release)
Allows another station to depress a busy line button and enter the conversation of a station already engaged in communication.

DND (Do Not Disturb)
Allows a station user to deny access to the station line for incoming calls.

MIC (Microphone On/Off)
Allows the user to turn the microphone on and off for use with the speakerphone.

PAGE (Button Page)
Allows the user to toggle between pages when two numbers are registered on One-Touch Speed Calling key.

HSET (Headset)
Allows the user to go off- and on-hook when using the headset.

RLS (Release Key)
Allows the user to release the current call when using the headset, without waiting for the party to hang up.

SIG (Manual Signaling)
Permits station users to send a one-second ring to a predetermined station. If the signaled station is ringing from another call, the manual intercom signal will interrupt that ringing.

CKEEP (Eight-Party Conference Retrain)
Allows all outside parties to stay on a conference when all internal parties hang up.

SCALL (Serial Call)
Allows the user to set Serial Call for the caller before extending the call, allowing the caller to receive an announcement at the end of the call guiding the caller to dial the next number and subsequent numbers.

IZP (Internal Zone Paging)
Allows a user to make a voice call through the speakers of the designated group.

IDCHG (Call ID Change Display)
Allows the user to toggle between standard display and an alternate display.

GPICK (Call Pickup - Group Enhancement)
Allows the user to answer any ringing station within the user's expanded call pickup group.

CHCNF (Call Hold - Conference)
Allows a station user to establish a conference connection by adding a third party, who is held on another line, to the existing two-party connection.

VISIT (Survivable Remote MGC)
Allows a station to indicate a status: when a user is in remote office, VISIT will be blinking. After recovering the main office, VISIT will return to light.

RMUTE (Ringer Mute)
Allows a station user to mute or recover station ringing.

>>> (Display Function Next Page)
Allows the user to scroll to the next screen.

<<< (Display Function Previous Page)
Allows the user to scroll to the previous screen.

TIP: *The Soft Keys can be programmed in System Data to blink, remain steady, have no indication, or display a character when either in use or idle.*

CONDITIONS FOR DT700 SERIES

Please note that following terminal settings (by Feature Key + Digit Key) cannot be used for DT700 Series.

- **Feature**+**0** =Side Tone On/Off (for handset)

  For the settings, contact to the Administrator.
  ** Uses can confirm the settings in "Audio&Visual Settings" → "Side Tone Volume" of Online Monitoring.*

- **Feature**+**2** =Adjusts handset receiver volume

  For the settings, contact to the Administrator.
  ** Users can confirm the settings in "Audio&Visual Settings" → "Audio Settings" → "Receive Bias"/"Receive Gain" of Online Monitoring.*

- **Feature**+**3** =Selects ringer tone

  For the settings, contact to the Administrator.
  ** Users can confirm the settings in "Audio&Visual Settings" → "Audio Settings" → "Ring Settings" of Online Monitoring.*

- **Feature**+**4** =Adjusts transmission/receiving volume

  For the settings, contact to the Administrator.
  ** Users can confirm the settings in "Audio&Visual Settings" → "Audio Settings" → "Receive Bias"/"Receive Gain"/"Send Gain" of Online Monitoring.*

- **Feature**+**5** =Activates hands-free operation

  Not Available

- **Feature**+**6** =Deactivates hands-free operation

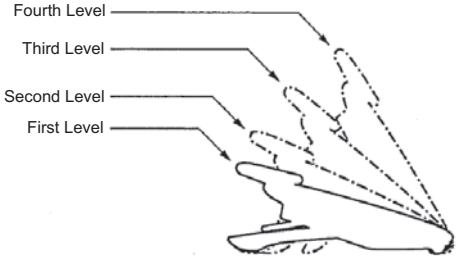
  Not Available

TIP: *When pressing and holding Help key, the menu of "Online Monitoring" will be displayed. For details on Online Monitoring, see ONLINE MONITORING in Chapter 9.*

2. Installation Procedure

Adjusting the Angle of Tilt Leg

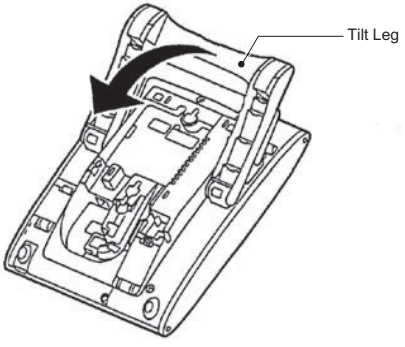
The angle of the tilt leg can be adjusted in four levels.



- **To Raise Tilt Leg**

STEP 1: Turn the telephone set upside down.

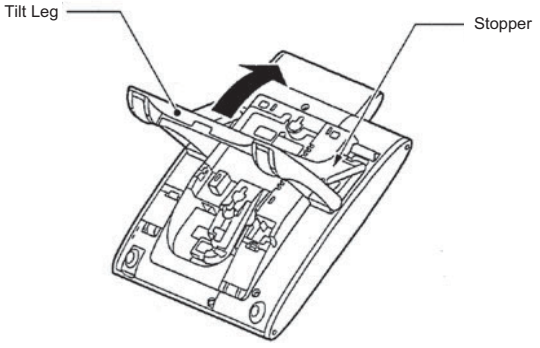
STEP 2: Adjust the tilt leg in the direction of the arrow until you hear it click.



- **To Lower Tilt Leg**

STEP 1: Turn the telephone set upside down.

STEP 2: While lifting the center of the stopper, adjust the tilt leg in the direction of the arrow until you hear it click.

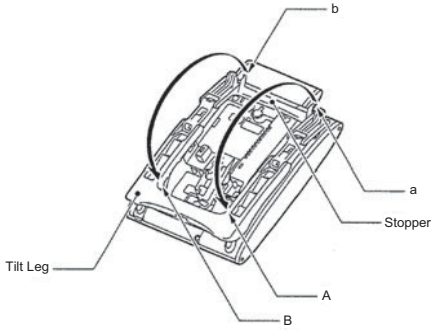


To Remove Tilt Leg

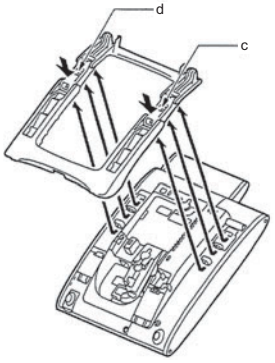
STEP 1: Turn the telephone set upside down.

STEP 2: Lower the tilt leg to first level.

STEP 3: Remove the indicated portions (a and b) of the stopper from grooves (A and B) on the tilt leg and then widen the tilt leg.



STEP 4: While pushing the two hooks, slide the tilt leg downward. Remove the tilt leg from the terminal.

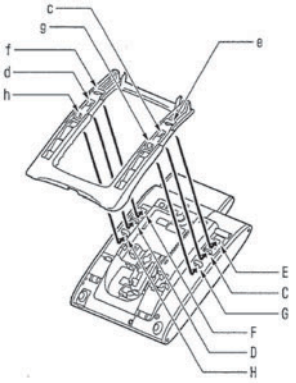


To Attach Tilt Leg

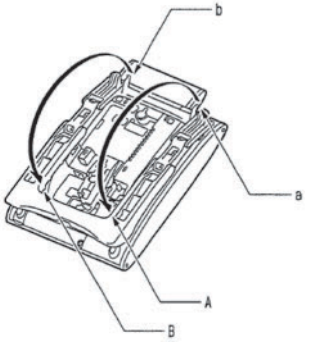
STEP 1: Turn the telephone set upside down.

STEP 2: Align the hooks (c-h) of the tilt leg over the appropriate slots (C-H) of the telephone set.

STEP 3: Slide the tilt leg upward until the hooks (c and b) click into place.

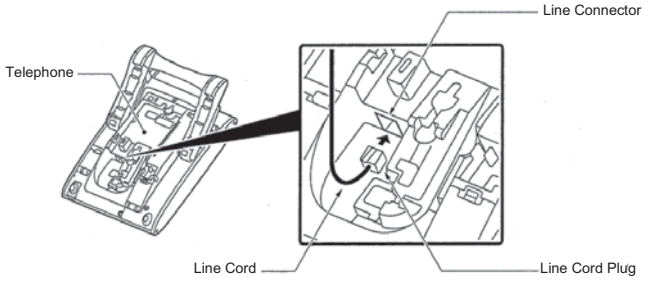


STEP 4: Fit the indicated portions (a and b) of the stopper into the grooves (A and B) on the tilt leg.

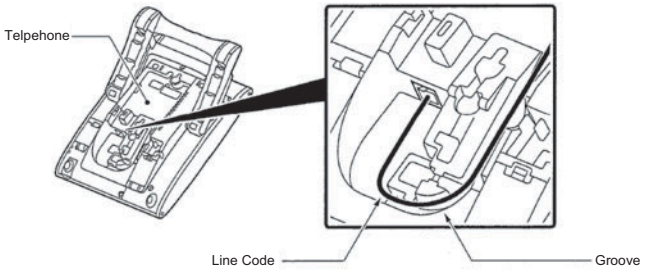


Connecting Line Cord

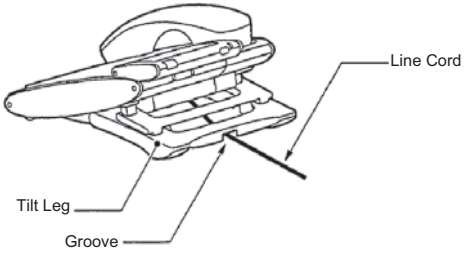
STEP 1: Insert Line cord plug into Line connector on the back of the telephone set until you hear it clicks.



STEP 2: Thread the line cord through the groove on the back of the telephone.



STEP 3: Lead the line cord out through the groove on the tilt leg as shown in the figure below.



Installing a Directory Card

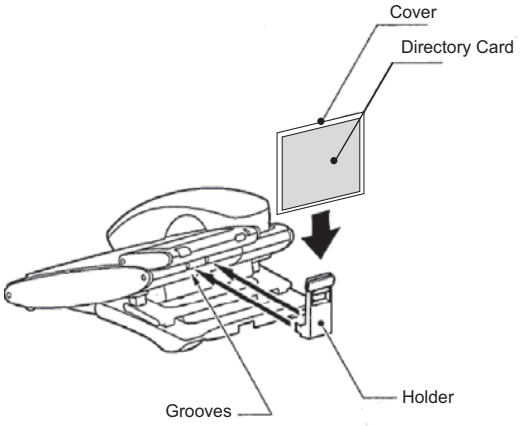
A directory card (also known as an abbreviated dialing table) can be attached to the telephone sets. The directory card can be used to record often dialed numbers or other important information. Directory cards are available as options.

STEP 1: As shown in the figure below, push the directory card holder into the grooves on the terminal until they snap into place.

Note: *To remove the directory card, pinch the two sides of the directory card holder inward until the tabs release and pull the holder out of the grooves.*

STEP 2: Remove the protective sheet from the cover.

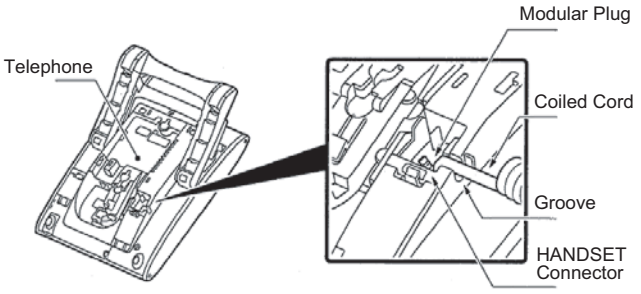
STEP 3: Attach the cover to the directory card and then attach it to the directory card holder.



Attaching Handset

STEP 1: Insert the coiled cord plug into HANDSET connector on the back of the telephone until you hear it clicks.

STEP 2: Thread the coiled cord through the groove as shown in the figure below.



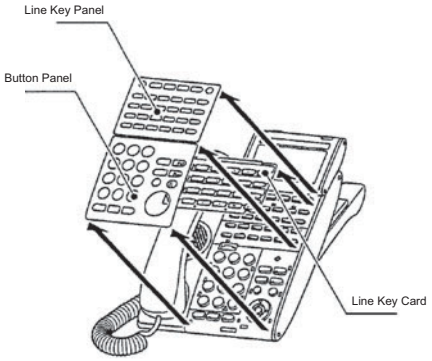
Installing/Removing Key Set Unit

- **To Remove Key Set Unit**

STEP 1: Insert a tapered rod lightly into the right side of the line key panel/button pannel.

STEP 2: Lift out the line key panel/button pannel to remove it from the telephone.

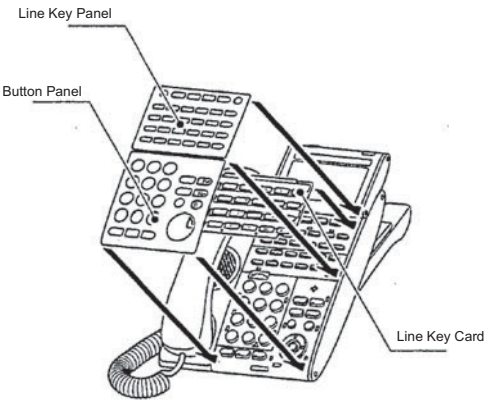
STEP 3: Remove the line key card.



- **To Install Key Set Unit**

STEP 1: Align the holes in the line key card with the buttons on the telephone.

STEP 2: Align the holes in the line key panel/button pannel with the buttons on the telephone and then push the four corners of the panel until the panel clicks into place.

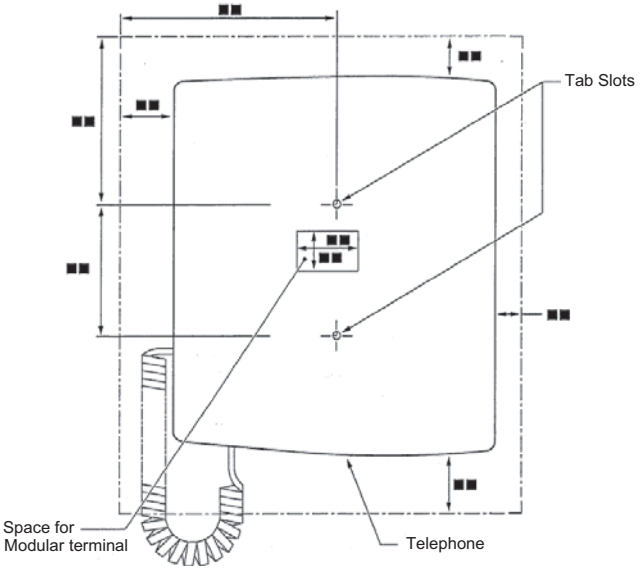


Wall Mounting

A wall mount unit (WM-L UNIT)is used to mount all telephones to the wall. This unit connects to the back side of the telephone.

WARNING	Be careful not to drop the telephone set while mounting it on the wall. It can cause injury.
	Make sure the telephone set is firmly mounted on the wall to prevent the telephone set from falling out. It can cause injury.

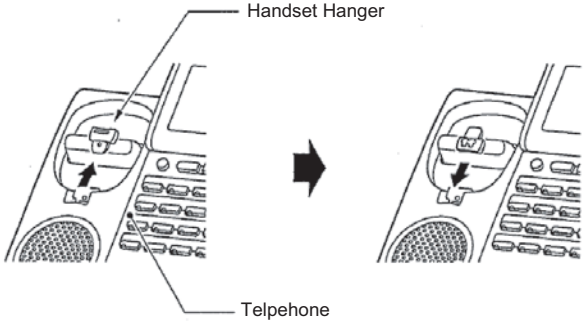
To mount the telephone set on the wall, the following space is required.



To mount the telephone set on the wall, use the following procedure.

STEP 1: Mount the hanger of the handset upside down.

Remove the hanger from the handset once. Turn it upside down and then insert the hanger until you hear it clicks.

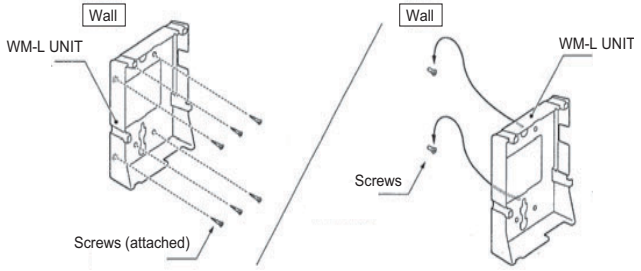


STEP 2: Turn the telephone set upside down and widen the tilt leg.

STEP 3: Attach WM-L UNIT to the wall directly or the wall plate.

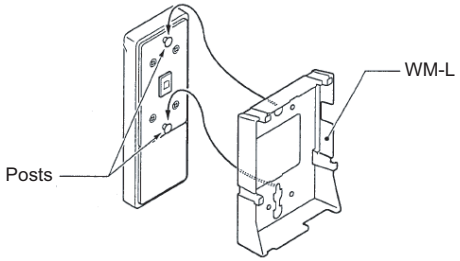
- When attaching WM-L UNIT to the wall directly:

  Secure WM-L UNIT with the six screws (included with the telephone set) or hang WM-L UNIT on the wall with the two screws (purchased separately) inserted into the wall.



- When attaching WM-L UNIT to the wall plate:

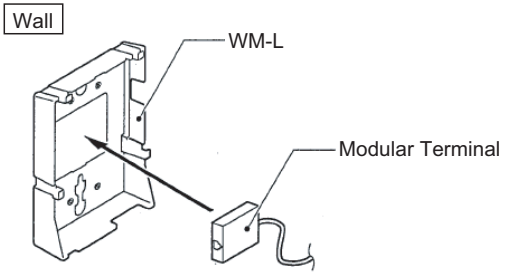
  Attach WM-L UNIT to the posts on the wall plate as shown in the figure below.



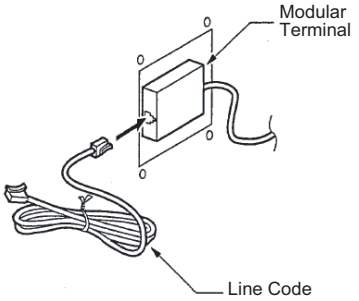
The remainder of the procedure varies between DT300 Series and DT700 Series.

- In the case of DT300 Series: Go to the next step.
- In the case of DT700 Series: Go to Step 8 after the LAN cable is connected to the telephone.

STEP 4: Attach the modular terminal to the wall as shown in the following figure. If the modular connector is attached directly on the wall or the wall plate is used instead of modular terminal, skip this step.

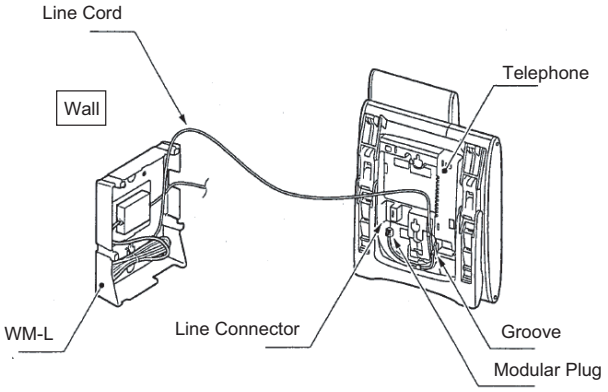


STEP 5: Insert the line cord plug (included with the telephone set) into the modular connector.



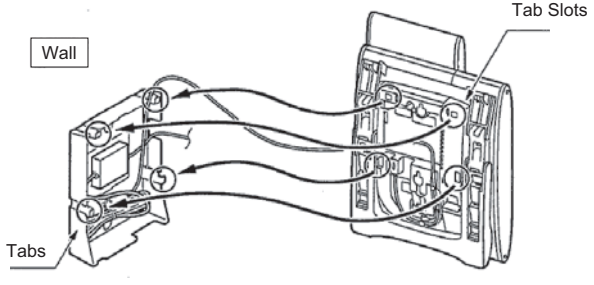
STEP 6: Insert the line cord plug into the LINE connector on the back of the telephone. Wrap the excess cord and secure it with a tie wrap.

STEP 7: Thread the coiled cord through the groove on the back of the telephone as shown in the figure below.



STEP 8: Insert the four tabs on WM-L UNIT in the tab slots on the back of the telephone.

Tuck the excess cord into WM-L UNIT.



3. TERMINAL SETUP

This chapter describes operating procedures for terminal settings by the **UP/DOWN** key, Feature key and Menu key.

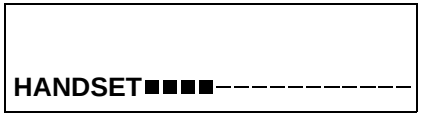
Various terminal settings such as display, sounds, password, and language are also available from Menu key.

SETUP WITH UP/DOWN KEY

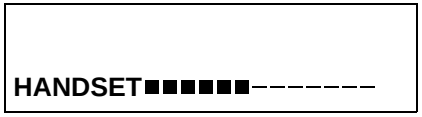
- **TO ADJUST HANDSET RECEIVER VOLUME**

Press (**Up/Down-cursor**) or ▲/▼ (**Up/Down**) key in the off-hook status or during the call.

LCD indication for North America, Latin America, Asia, Middle East and Russia

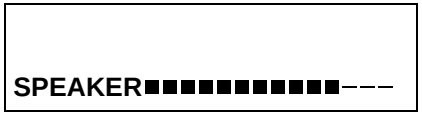


LCD indication for Australia



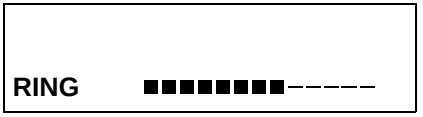
- **TO ADJUST SPEAKER VOLUME**

Press (**Up/Down-cursor**) or ▲/▼ (**Up/Down**) key during speakerphone operation or during the call.



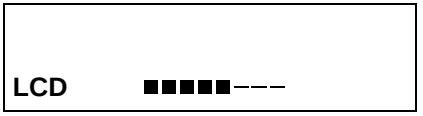
- **TO ADJUST RINGER TONE**

Press (**Up/Down-cursor**) or ▲/▼ (**Up/Down**) key during ringing.



- **TO ADJUST LCD CONTRAST**

Press (**Up/Down-cursor**) or ▲/▼ (**Up/Down**) key in the on-hook status.



SETUP WITH FEATURE KEY

• MICROPHONE ON/OFF

LED on Mic key shows the status of the built-in microphone.

☐ Press soft key associated with the MIC Display or press Feature and 1 key.

• TO ADJUST INITIAL RECEIVING VOLUME

Handset receiver volume can be changed.

• TO CHANGE HANDSET RECEIVER VOLUME

☐ Press Feature and 2 key. The LCD displays the current volume status.

```
RCV VOL.                    SMALL
 4:26 PM    TUE 13  APR 2004
```

☐ Press Feature and 2 key to alternate between Large and Small volume.

```
RCV VOL.                    LARGE
 4:26 PM    TUE 13  APR 2004
```

• TO SELECT RINGER TONE

DT Series has 10 kinds of ringer tones that you can select.

☐ Press Feature and 3 key. The LCD displays the selected tone number (n=1 ~ 17).

```
RINGER TONE                    n
 4:26 PM    TUE 13  APR 2004
```

No.	Menu Item	Frequency (Hz)		Remarks
		1st	2nd	
1	Tone Type1	520	660	16Hz modulation
2	Tone Type2	520	660	8Hz modulation
3	Tone Type3	1400	1100	Door Phone
4	Tone Type4	1100		No modulation
5	Tone Type5	540		No modulation
6	Tone Type6	1100	1400	16Hz modulation
7	Tone Type7	660	760	16Hz modulation
8	Tone Type8	1100		Envelope
9	Tone Type9	-		Door Phone Melody
10	Tone Type10	-		Melody 1
11	Tone Type11	-		Melody 2
12	Tone Type12	-		Melody 3
13	Tone Type13	-		Melody 4
14	Tone Type14	-		Melody 5
15	Download1	-		
16	Download2	-		
17	Download3	-		

• TO ADJUST TRANSMISSION/RECEIVING VOLUME

Handset volume can be changed.

☐ Press Feature and 4 key. The LCD displays the current volume.

T/R VOL.	**SMALL**
4:26 PM	**TUE 13 APR 2004**

☐ Press Feature and 4 key again to alternate between Small and Large volume.

T/R VOL.	**LARGE**
4:26 PM	**TUE 13 APR 2004**

• TO ACTIVATE HANDS-FREE

To set hands-free on:

☐ Press Feature and 5 key. The LCD displays:

HANDS FREE	**ON**
4:26 PM	**TUE 13 APR 2004**

To Set Hands-Free Off:

☐ Press Feature and 6 key. The LCD displayss:

HANDS FREE	**OFF**
4:26 PM	**TUE 13 APR 2004**

• CALL INDICATOR LAMP ON/OFF

The user can choose to turn the call indicator lamp either on or off during ringing.

☐ Press Feature and 7 key. The LCD displays:

INDICATOR	**ON**
4:26 PM	**TUE 13 APR 2004**

INDICATOR	**OFF**
4:26 PM	**TUE 13 APR 2004**

TIP: *The call indicator lamp lights when used as a Message Waiting Lamp, even when it is turned off by the above operation.*

• DYNAMIC DIAL PAD ON/OFF

The user can originate a call at first hand without lifting handset or pressing Speaker key.

☐ Press Feature and 8 key. The LCD displays:

Direct Dial Pad	**ON**
4:26 PM	**TUE 13 APR 2004**

Direct Dial Pad OFF
4:26 PM TUE 13 APR 2004

TIP: *When this feature is ON, the user may initiate a call by immediately dialing the number and the station will go hands-free off-hook automatically. Enabling this feature for DT700 Series, restricts the terminals ability to enter the DT700 Series User Menu. Please note when the features on the following pages are used in conjunction with Dynamic Dial Pad, that the user does not have to press the Speaker key or lift the handset to receive dial tone.*

SETUP WITH MENU KEY FOR DT700 SERIES

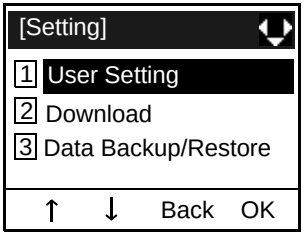
- **TO ENABLE/DISABLE OFF-HOOK RINGING**

The procedure below shows how to enable/disable Off-hook ringing.

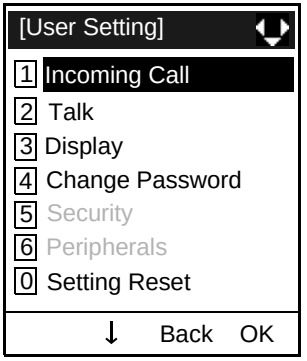
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

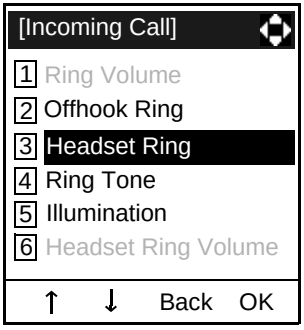
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



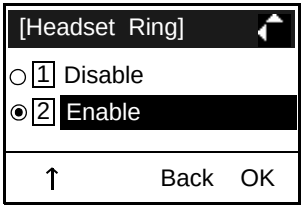
☐ Select 1 **Incoming Call** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 3 **Headset Ring** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



☐ To disable/enable the off-hook ringing, select 1 **Disable** or 2 **Enable**. Then, press (**Enter**) or **OK** soft key.



TIP: *Default setting is **2 Enable**.*

TIP: *The currently enabled item is highlighted.*

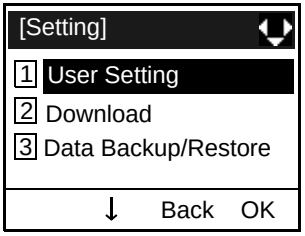
• TO SET RINGING OF HEADSET

The procedure below shows how to enable/disable the ringing of headset.

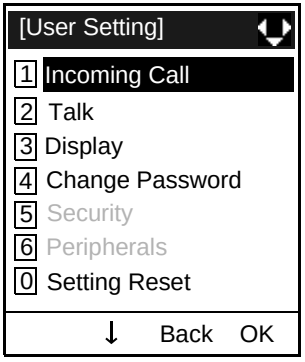
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

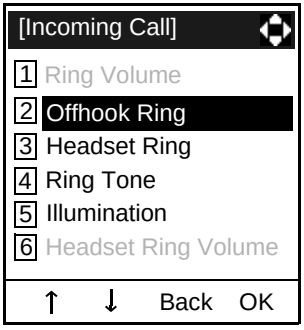
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



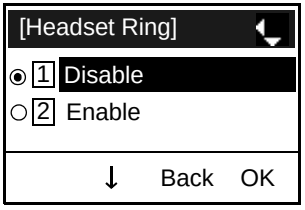
☐ Select 1 **Incoming Call** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 2 **Offhook Ring** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



☐ To disable/enable the ringing of headset, select 1 **Disable** or 2 **Enable**. Then, press (**Enter**) or **OK** soft key.



TIP: *Default setting is **1 Disable**.*

TIP: *The currently enabled item is highlighted.*

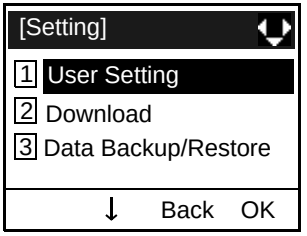
• TO SET RINGER TONE

The procedure below shows how to change the ringer tone for internal call and external call.

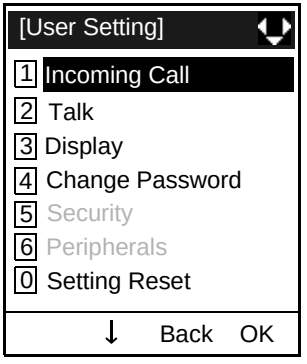
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

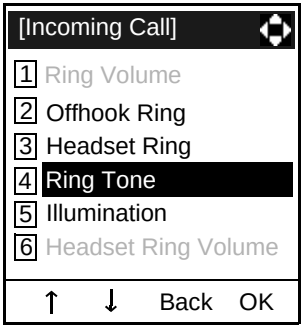
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



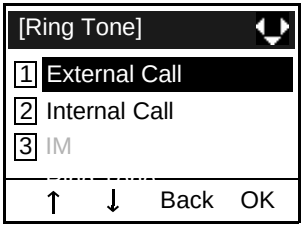
☐ Select 1 **Incoming Call** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 4 **Ring Tone**and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)

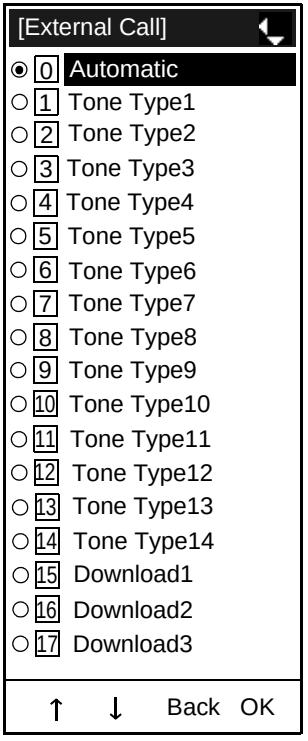


☐ Select 1 **External Call** when setting the ringer tone for external calls. Select 2 **Internal Call** when setting the ringer tone for internal call. Then, press (**Enter**) or **OK** soft key.



☐ Select a desired tone type and then press (**Enter**) or **OK** soft key.

TIP: *The currently enabled item is highlighted.*



No.	Menu Item	Frequency (Hz)		Remarks
		1st	2nd	
0	Automatic	520	660	16Hz modulation
1	Tone Type1	520	660	16Hz modulation
2	Tone Type2	520	660	8Hz modulation
3	Tone Type3	1400	1100	Door Phone
4	Tone Type4	1100		No modulation
5	Tone Type5	540		No modulation
6	Tone Type6	1100	1400	16Hz modulation
7	Tone Type7	660	760	16Hz modulation

No.	Menu Item	Frequency (Hz)		Remarks
		1st	2nd	
8	Tone Type8	1100		Envelope
9	Tone Type9	-		Door Phone Melody
10	Tone Type10	-		Melody 1
11	Tone Type11	-		Melody 2
12	Tone Type12	-		Melody 3
13	Tone Type13	-		Melody 4
14	Tone Type14	-		Melody 5
15	Download1	-		
16	Download2	-		
17	Download3	-		

TIP: *The user can set ringer tone for the telephone set here. Ringer Tone type can be set for “Name”, “Group” and “Telephone set”. The ringer Tone type set for “Name” has higer priority than the types set for “Group” and “Terminal set”.*

TIP: *When **0 Automatic** is selected or the ringer tone setting is not performed, **1 Tone Type1** is applied.*

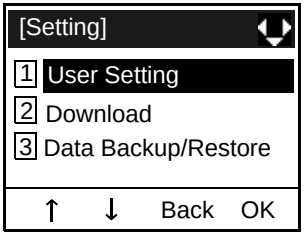
- **TO SET ILLUMINATION PATTERN FOR CALL INDICATION LAMP**

The procedure below shows how to set the illumination pattern for the Call Indicator Lamp.

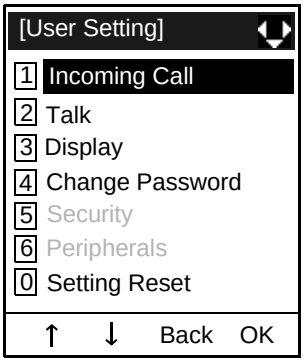
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

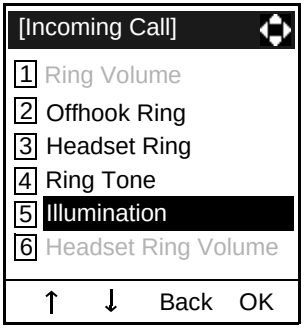
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



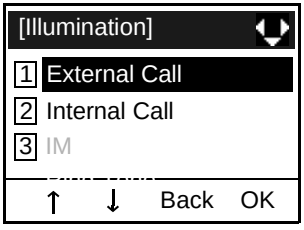
☐ Select 1 **Incoming Call** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



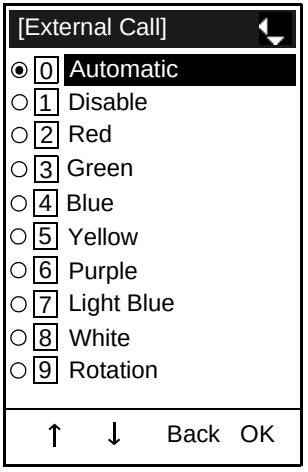
☐ Select 5 **Illumination** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)



☐ Select 1 **External Call** when setting the illumination pattern for external calls. Select 2 **Internal Call** when setting the illumination pattern for internal call. Then, press (**Enter**) or **OK** soft key.



☐ Select a desired illumination pattern and then press (**Enter**) or **OK** soft key.



TIP: *The default setting is **0 Automatic**.*

TIP: *The currently enabled item is highlighted.*

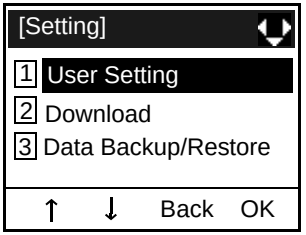
• TO ENABLE/DISABLE RTP ALARM

The procedure below shows how to enable/disable RTP alarm.

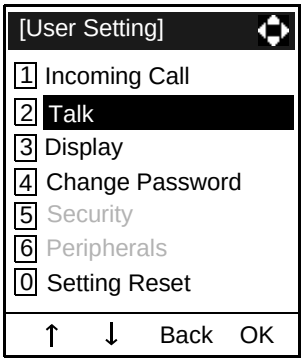
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

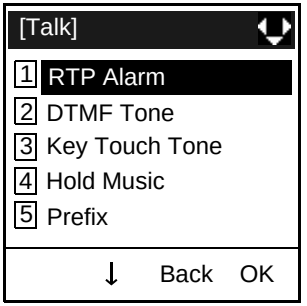
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



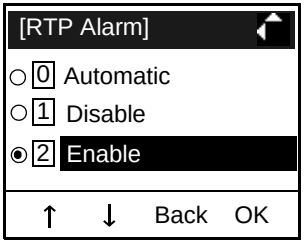
☐ Select 2 **Talk** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



☐ Select 1 **RTP Alarm** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 0 **Automatic**, 1 **Disable** or 2 **Enable** (see the following table). Then, press (**Enter**) or **OK** soft key.



Menu Items	Descriptions
0 Automatic	Follow the setting on the System. If no setting is made in the System, the default setting (Alarm=ON) is applied.
1 Disable	Follow the setting on the terminal (OFF).
2 Enable	Follow the setting on the terminal (ON).

TIP: *For the setting on the System, contact to the System Administrator.*

TIP: *The currently enabled item is highlighted.*

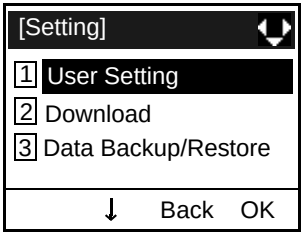
• TO ENABLE/DISABLE DTMF TONE

The procedure below shows how to enable/disable RTP alarm.

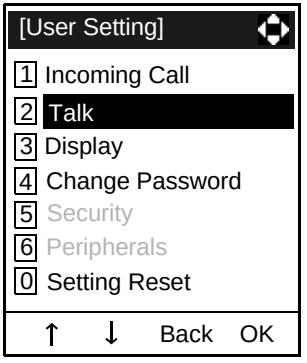
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

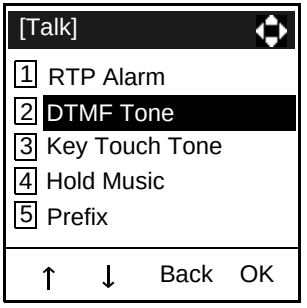
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



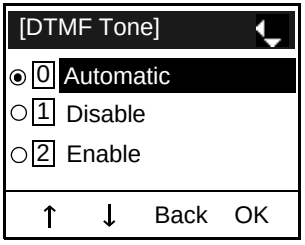
☐ Select 2 **Talk** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



☐ Select 2 **DTMF Tone** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



☐ Select 0 **Automatic**, 1 **Disable** or 2 **Enable** (see the following table). Then, press (**Enter**) or **OK** soft key.



Menu Items	Descriptions
0 Automatic	Follow the setting on the System. If no setting is made in the System, the default setting (DTMF=ON) is applied.
1 Disable	Follow the setting on the terminal (OFF).
2 Enable	Follow the setting on the terminal (ON).

TIP: *For the setting on the System, contact to the System Administrator.*

TIP: *The currently enabled item is highlighted.*

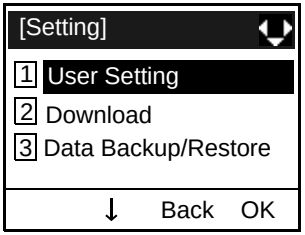
• TO SET KEY TOUCH

The procedure below shows how to set Key Touch Tone. Key Touch Tone is a tone generated when the digit keys are pressed while DT Series is off-hook.

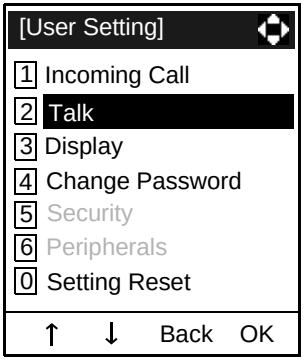
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press ● (**Enter**), ● (**Right-cursor**) or **OK** soft key. (or press 5 key.)

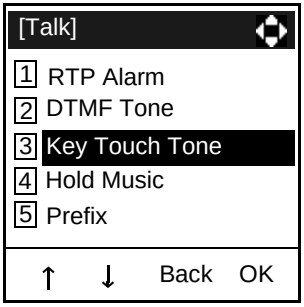
☐ Select 1 **User Setting** and then press ● (**Enter**), ● (**Right-cursor**) or **OK** soft key. (or press 1 key.)



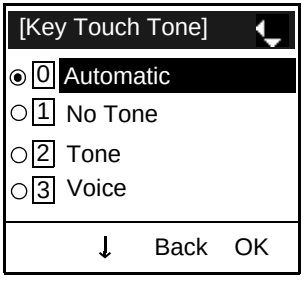
☐ Select 2 **Talk** and then press ● (**Enter**), ● (**Right-cursor**) or **OK** soft key. (or press 2 key.)



☐ Select 3 **Key Touch Tone** and then press ● (**Enter**), ● (**Right-cursor**) or **OK** soft key. (or press 3 key.)



☐ Select **0** **Automatic**, **1** **No Tone**, **2** **Tone** or **3** **Voice**. Then, press (**Enter**) or **OK** soft key.



TIP: *When **0 Automatic** is set, the default setting (Tone) is applied.*

TIP: *The currently enabled item is highlighted.*

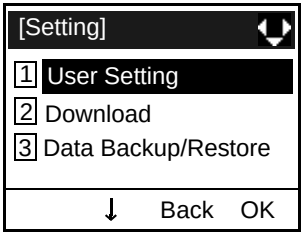
• TO SET MUSIC ON HOLD

The procedure below shows how to set Music on Hold to be heard by DT Series user.

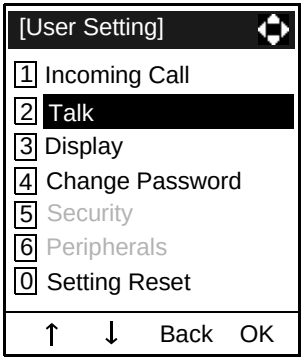
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

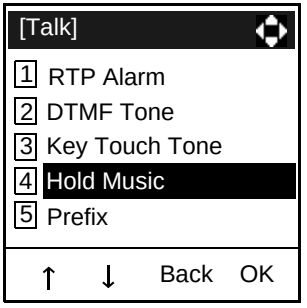
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 2 **Talk** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)

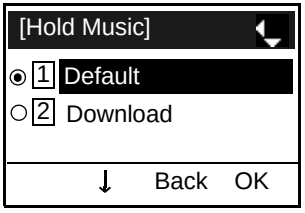


☐ Select 4 **Hold Music** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



☐ Select 1 **Default** when the default data (Menuet) is used as Music on Hold. Select 2 **Download** when a downloaded data is used as Music on Hold.

Then, press (**Enter**) or **OK** soft key.



TIP: *The currently enabled item is highlighted.*

• TO SET CLOCK FORMAT

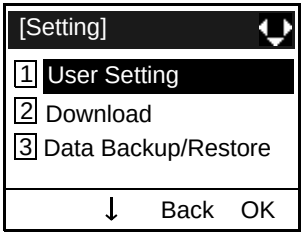
Determines whether time is displayed with a 12-hour or 24-hour clock format.

TIP: *This setting is available for Time Display only. Call Log feature displays the time in 24-hour format regardless of this setting.*

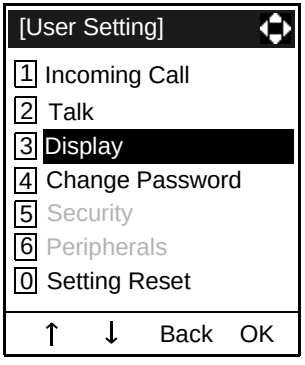
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

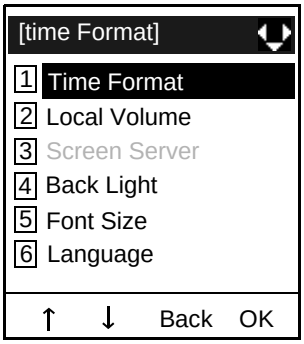
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 3 **Display** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



☐ Select 1 **Time Format** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)

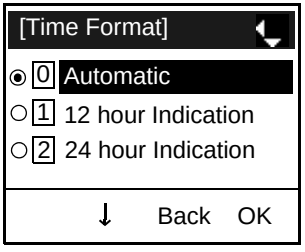


☐ Make a selection from the following list.

Menu Item	Meaning
0 Automatic	Follow the setting on the system. (default)
1 12 hour Indication	12-hour clock
2 24 hour Indication	24-hour clock

TIP: *For the setting on the System, contact to the System Administrator.*

TIP: *The currently enabled item is highlighted.*



☐ After Making a selection, press (**Enter**) or **OK** soft key.

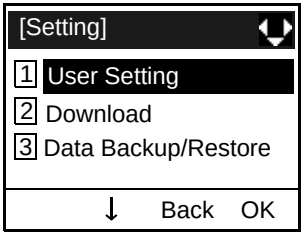
- **TO ENABLE/DISABLE VOLUME LEVEL DISPLAY**

Determines whether or not to display the following volume levels: handset receiver volume, speaker volume, ringer tone volume and LCD contrast.

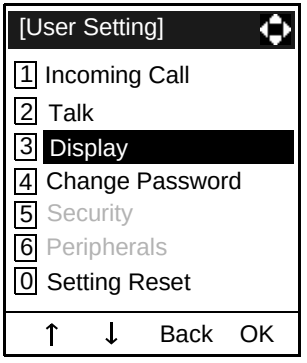
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

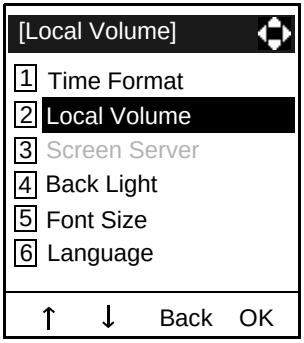
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 3 **Display** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



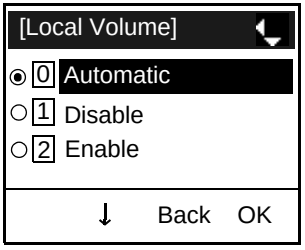
☐ Select 2 **Local Volume** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



☐ Make a selection from the following list.

Menu Item	Meaning
0 Automatic	Each volume level is displayed on LCD (default).
1 Disable	Each voume level is not displayed on LCD.
2 Enable	Each volume level is dispalyed on LCD.

TIP: *The currently enabled item is highlighted.*



☐ After Making a selection, press (**Enter**) or **OK** soft key.

• TO ENABLE/DISABLE BACKLIGHT

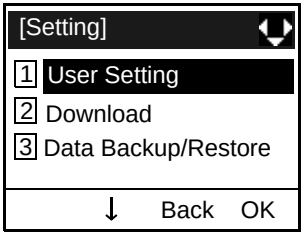
The following explains how to enable/disable the backlights of LCD and digit keys.

The backlights illuminate (for approximately 10 seconds) when the user presses any key or lift the handset.

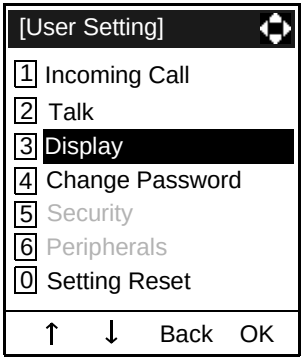
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

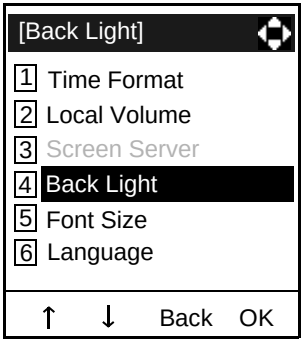
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 3 **Display** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



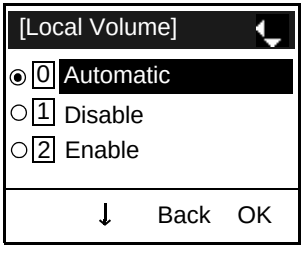
☐ Select 4 **Back Light** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



☐ Make a selection from the following list.

Menu Item	Meaning
0 Automatic	Backlights of LCD and digit keys are enabled.
1 Disable	Backlights of LCD and digit keys are disabled.
2 Enable	Backlights of LCD and digit keys are enabled.

TIP: *The currently enabled item is highlighted.*



☐ After Making a selection, press (**Enter**) or **OK** soft key.

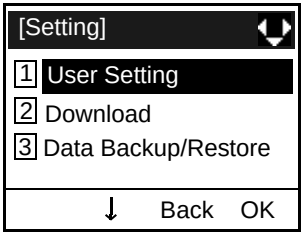
• TO CHANGE CHARACTER SIZE

The following explains how to change the displayed character size on the LCD.

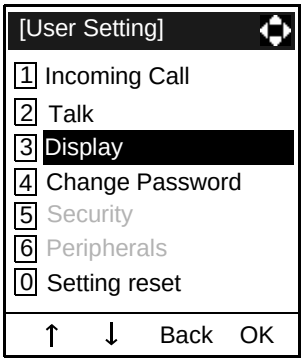
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

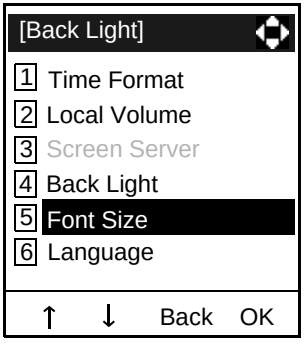
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



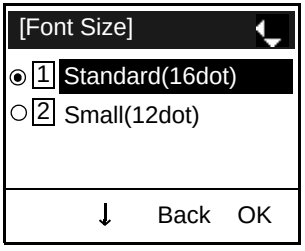
☐ Select 3 **Display** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



☐ Select 5 **Font Size** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)



☐ Select either “Standard(16dot)“ of “Small(12dot)“.



TIP: *The currently enabled item is highlighted.*

☐ After Making a selection, press (**Enter**) or **OK** soft key.

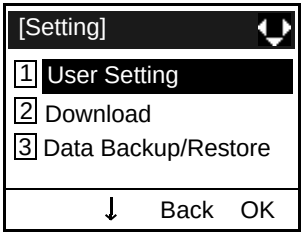
• TO SET A LANGUAGE

The following explains how to set a language to be displayed on LCD.

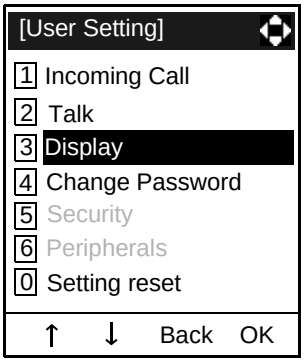
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

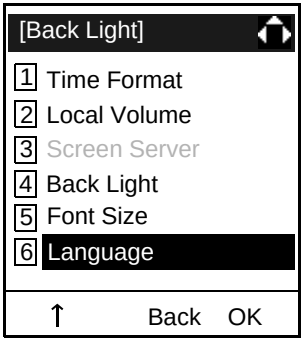
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



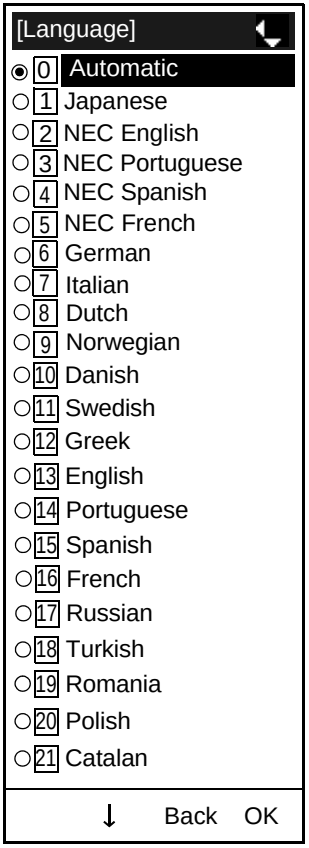
☐ Select 3 **Display** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



☐ Select 6 **Language**and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 6 key.)



☐ Select a desired language.



TIP: *The currently enabled item is highlighted.*

☐ After Making a selection, press (**Enter**) or **OK** soft key.

• TO CHANGE PASSWORD

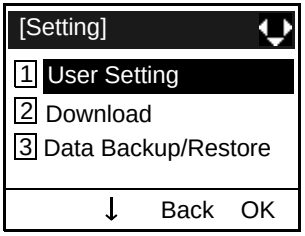
To change an existing password, follow the procedure below. This password is used for the following occasions.

- To lock/unlock the telephone.
- To delete the directory data.
- To reset the telephone settings.

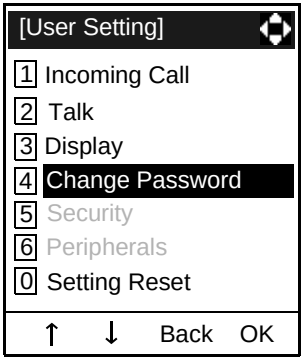
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

☐ Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

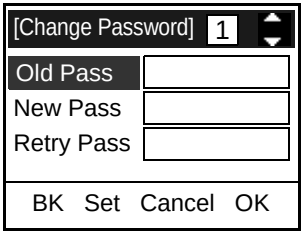
☐ Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



☐ Select 4 **Change** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)

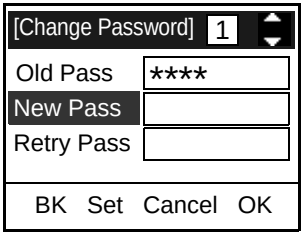


☐ The **Change Password** screen is dispalyed. Enter the old password and then press (**Down-cursor**) or **Set** soft key.

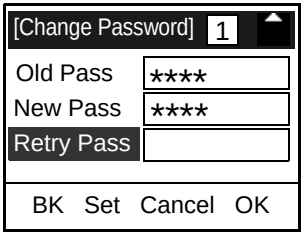


TIP: *The initial password is "0000". When changing the password for the first time, enter "0000" as the old password.*

☐ Enter the new password and then press (**Down-cursor**) or **Set** soft key.

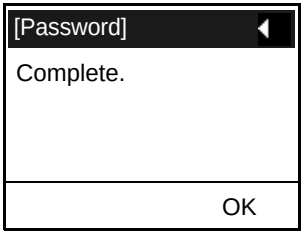


☐ Enter the new password again and then press (**Enter**) or **OK** soft key.

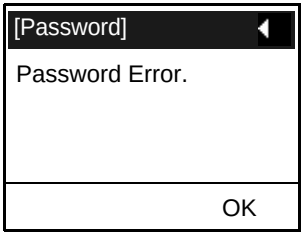


TIP: *A maximum of 32 digits (0-9, * and #) can be set as a password.*

☐ When the password entry completes successfully, the display changes as follows. Press (**Enter**) or **OK** soft key.



TIP: *When the password entry ends in failure, the following error message is issued. In that case, press **OK** soft key and then make a retry.*



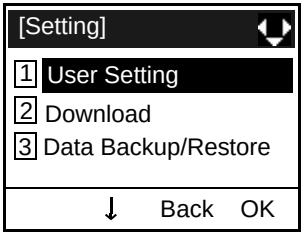
• TO RESET TELEPHONE SETTINGS

The following explains how to clear the personal data of the telephone.

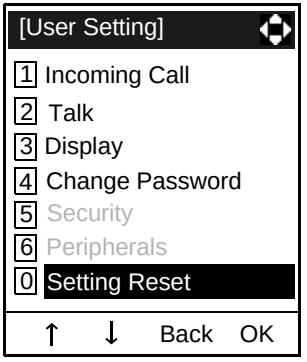
☐ While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press ● (**Enter**), ● (**Right-cursor**) or **OK** soft key. (or press 5 key.)

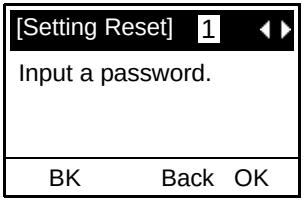
☐ Select 1 **User Setting** and then press ● (**Enter**), ● (**Right-cursor**) or **OK** soft key. (or press 1 key.)



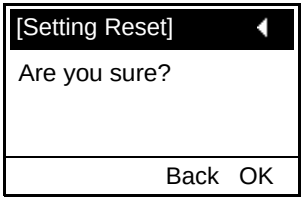
☐ Select 0 **Setting** and then press ● (**Enter**), ● (**Right-cursor**) or **OK** soft key. (or press 0 key.)



☐ Enter the password and then press ● (**Enter**) or **OK** soft key.



☐ Press ● (**Enter**) or **OK** soft key to clear the personal data of the telephone.



• TO DOWNLOAD A FILE

DT700 Series user can download files for Music on Hold, Ringer Tone and Directory. When downloading these files, the DT Series needs to be connected to the network that has FTP (TFTP server).

TIP: *For details on the FTP service, contact to the System Administrator.*

Before starting the download, an IP Address of the FTP/TFTP Server must be entered from DT Series.

STEP 1: Set up the FTP/TFTP server.

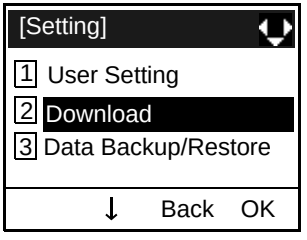
<FTP server>
Put the downloading file into the specified directory (In the case of Windows servers, the default directory is C:InetPubftproot) of FTP server.

<TFTP server>
Put the download file into a directory of TFTP server.

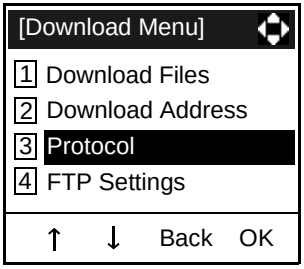
STEP 2: While indicating the current time on LCD, press Menu key to open the **Menu** screen.

Select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

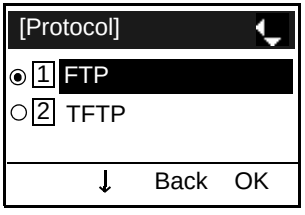
STEP 3: Select 2 **Download** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



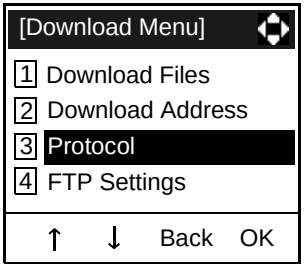
STEP 4: Select 3 **Protocol** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



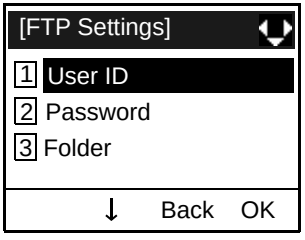
STEP 5: Select a protocol used by the server which stores the download file. After making a selection, press (**Enter**) or **OK** soft key.



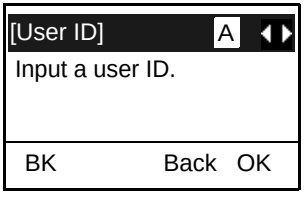
STEP 6: The display goes back to the **Download Menu** screen. Select 4 **FTP Settings** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



STEP 7: Select 1 **User ID** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)

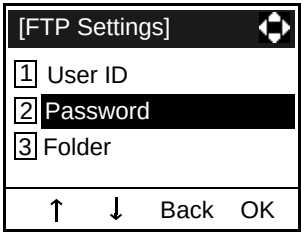


STEP 8: Enter a User ID by using digit keys, then press (**Enter**) or **OK** soft key.

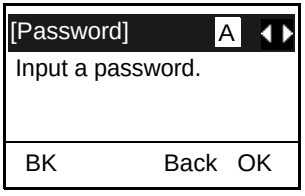


TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4 Basic Operation.*

STEP 9: The display goes back to the **FTP Settings** screen. Select 2 **Password** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)

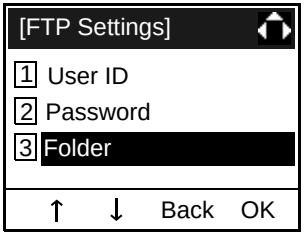


STEP 10: Enter a password by using digit keys, then press (**Enter**) or **OK** soft key.

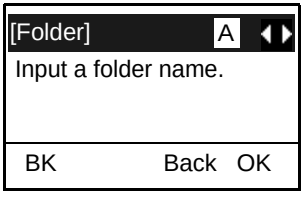


TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4 Basic Operation.*

STEP 11: The display goes back to the **FTP Settings** screen. Select 3 **Folder** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)

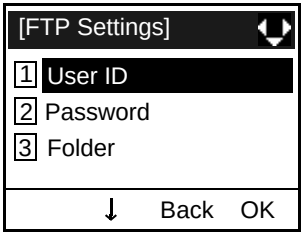


STEP 12: Enter the directory (including root directory) where the download file is stored and then press (**Enter**) or **OK** soft key.

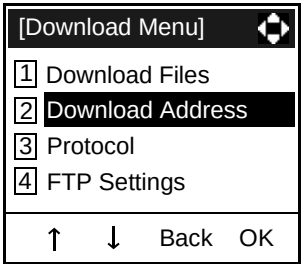


TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4 Basic Operation.*

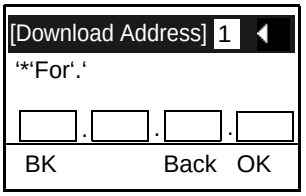
STEP 13: The display goes back to the **FTP Settings** screen. Press (**Left-cursor**) or **Back** soft key to display the **Download Menu** screen.



STEP 14:Select 2 **Download Address** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)

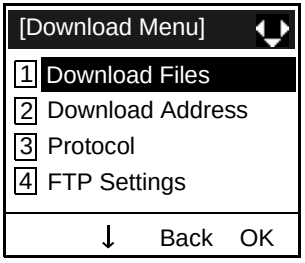


STEP 15:Enter an IP adress of the FTP/TFTP server which stores the download file. For example, to set the IP address of 10.41.208.205, enter 10*41*208*205 [separate with an asterisk (*)].



After entering an IP address, press (**Enter**) or **OK** soft key.

STEP 16:The display goes back to the **Download Menu** screen. Select 1 **Download Files** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)

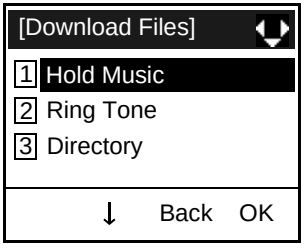


STEP 17:Select a file to be downloaded.

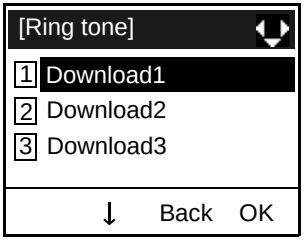
When downloading a file for Music on Hold : Select 1 **Hold Music** and go to **STEP 18**.

When downloading a file for ringer tone : Select 2 **Ring Tone** and go to **STEP 17**.

When downloading a file for directory : Select [3] **Directory** and go to **STEP 18**.

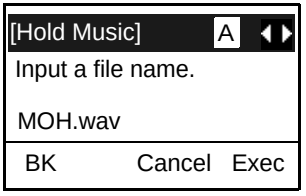


STEP 18: When [2] **Ring Tone** is selected at STEP 16, the following **Ring Tone** screen is displayed. Select either [1] **Download1**, [2] **Download2** or [3] **Download3**.

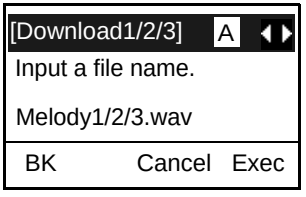


STEP 19: The default file name will be displayed.

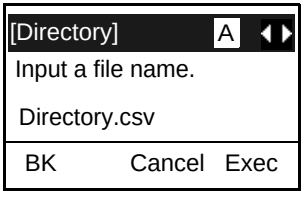
- When downloading a file for Music on Hold, the defaut fime name is “MOH.wav”.



- When downloading a file for ringer tone, the default file name is “Melody1/2/3/.wav”.



- When downloading a file for Directory, the default file name is “Directory.csv”.



When changing the file name, go to the next step (**STEP 19**).
When not changing the file name, go to **STEP 20**.

STEP 20: Press **BK** soft key once to delete the display of the default file name and then enter a new

file name by using the digit keys.

TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4 Basic Operation.*

TIP: *A maximum of 20 characters ("0-9", "A-Z", "a-z", "*", "#", ".", "-" or "_") can be entered as a file name.*

TIP: *To delete an entered character, press BK soft key.*

STEP 21: After entering a file name, press (**Enter**) or **Exec** soft key to start the downloading. While downloading a file, the LCD displays “Downloading...” first and then “Saving...”.

TIP: *Be sure not to turn OFF the DT700 Series while "Saving..." is displayed on the LCD.*

STEP 22: After the downloading is complete, the display changes as follows:

Reset the DT700 Series by pressing **Exit** soft key.

Note:

TIP: *When the downloading ends in failure, "Downloading Failed!" is displayed on the LCD. Check to see the following and then make a retry.*

Check Points	Actions
Download file is not placed in the specified directory.	Place the downlaod file in the specified directory.
A different file name is specified between DT700 Series and FTP/TFTP server.	Set the same file name from both DT700 Series and FTP/TFTP server.
Incorrect IP address of FTP/TFTP server has been entered from the telephone.	Set the proper IP address of FTP/TFTP server.
The power to FTP/TFTP server or network equipments is OFF.	Turn on the power.
LAN cable is disconnected.	Reconnect the cable securely.

SETUP WITH MENU KEY FOR DT300 SERIES

4. BASIC OPERATION

This chapter describes the following basic operation of DT Series.

- TO LOGIN
- TO LOGOUT
- TO ORIGINATE AN OUTSIDE CALL
- TO ORIGINATE AN INTERNAL CALL
- MULTILINE APPEARANCE
- TO HOLD A CALL
- TO PLACE A CALL ON EXCLUSIVE HOLD
- TO TRANSFER A CALL
- HOW TO INPUT CHARACTERS
- SECURITY MODE

TO LOGIN

When login mode is activated, following procedure is required.

TIP: *This feature is only available for DT700 Sereies.*

☐ Enter login code and press **Set** soft key.
(Station number is used as the Login code.)

Login ID :	**2000**
Password :	
Cancel BK Set OK	

☐ Enter the password and press **OK** Soft key.

Login ID :	**2000**
Password :	*********
Cancel BK Set OK	

☐ If the login code is accepted, display changes to normal idle status.

15:39 AM MON 18 JUL 2007
MIC DND >>>

TO LOGOUT

☐ Press the preassigned **Logout** Feature Key on the terminal.

TIP: *This feature is only available for DT700 Sereies.*

TIP: *This location is an example.*

TIP: *Logout button is assigned by data setting at the ECP (Enterprise Communication Platform).*

15:39 AM MON 18 JUL 2007
MIC DND >>>

☐ "**LOGOUT?**" is displayed on the LCD of the terminal.

LOGOUT ?
15:39 AM MON 18 JUL 2007
L-OUT >>>

☐ Press the **Logout** Feature Key on the terminal again.

TO ORIGINATE AN OUTSIDE CALL

- ☐ Lift handset or press Speaker key, receive dial tone.
- ☐ Dial the Central Office access code, e.g. **9**.
- ☐ Dial desired telephone number.
- ☐ Use handset or MIC to start a conversation.

Display indocates:

Elapsed time	Trunk type	Trunk number
15:39	**DDD**	**3**
4:26 PM	**TUE 13**	**APR 2004**

TO ORIGINATE AN INTERNAL CALL

- ☐ Lift handset or press Speaker key.
- ☐ Receive dial tone.
- ☐ Dial desired station number. Display indicates digits dialed.
- ☐ Use handset or MIC to converse.

MULTILINE APPEARANCE

To Originate a Call

- ☐ Press the **MULTILINE APPEARANCE** feature key.
- ☐ Lift handset or press Speaker key. Dial the Central Office access code (i.e.9).
- ☐ Dial the desired number.

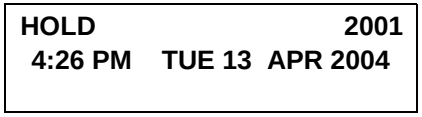
To Answer a Call

- ☐ Press the **MULTILINE APPEARANCE** feature key (ringing and flashing LED alert user to incoming call).
- ☐ Lift handset or press Speaker key.
- ☐ Speak with incoming party.

TO HOLD A CALL

☐ Press HOLD key. Held line wink flashes.

Held station number



TIP: *If held line appears on other DT Series stations, the associated LED flashes red slowly.*

To Retrieve

☐ Lift handset or press Speaker key.
☐ Press held line. Use handset to converse.

TIP: *Any station with this line appearance can retrieve the call.*

If unanswered

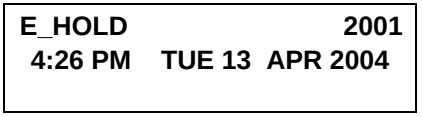
☐ After preprogrammed time, Automatic Recall is initiated.
☐ Visual and audible signal (rapid flash and ring burst) is sent to station that placed call on hold.

Note: *Hold shows as a flashing green LED on your phone. The same line on other phones shows as a flashing red LED.* **Recall** *shows as a flashing green LED on your phone and flashing red LED on other phones with the same line.*

TO PLACE A CALL ON EXCLUSIVE HOLD

☐ Press HOLD key twice. Line appearance indicates interrupted wink.

Held station number



TIP: *If held line appears on other DT Series stations, LED remains steadily lit red.*

To Retrieve

☐ Lift handset or press Speaker key.
☐ Press held line. Use handset to converse.

TIP: *Only the DT Series that set Exclusive Hold option can retrieve the call.*

If unanswered

- ☐ After preprogrammed time, Automatic Recall is initiated.
- ☐ Visual and audible signal (rapid flash and ring burst) is sent to station which placed call on Exclusive Hold. **Recall** shows as a flashing green LED on your phone, and solid red on other phones with same line.

TIP: *Exclusive Hold excludes any other phone from picking up your held call. Exclusive Hold shows as a flashing green LED on your phone. The same line on other phones appears as a solid red LED.*

TO TRANSFER A CALL

- ☐ After conversing, ask party to hold.
- ☐ Press Transfer key. Receive interrupted dial tone.

```
TRANSFER
 4:26 PM    TUE 13  APR 2004
```

- ☐ Dial destination station's extension, hang up or wait for answer.

Transferred station or trunk number

```
TRANSFER                2001
 4:26 PM    TUE 13  APR 2004
```

- ☐ If transferring party hangs up, that station's number appears in the center of recipient's display.

Transferring station

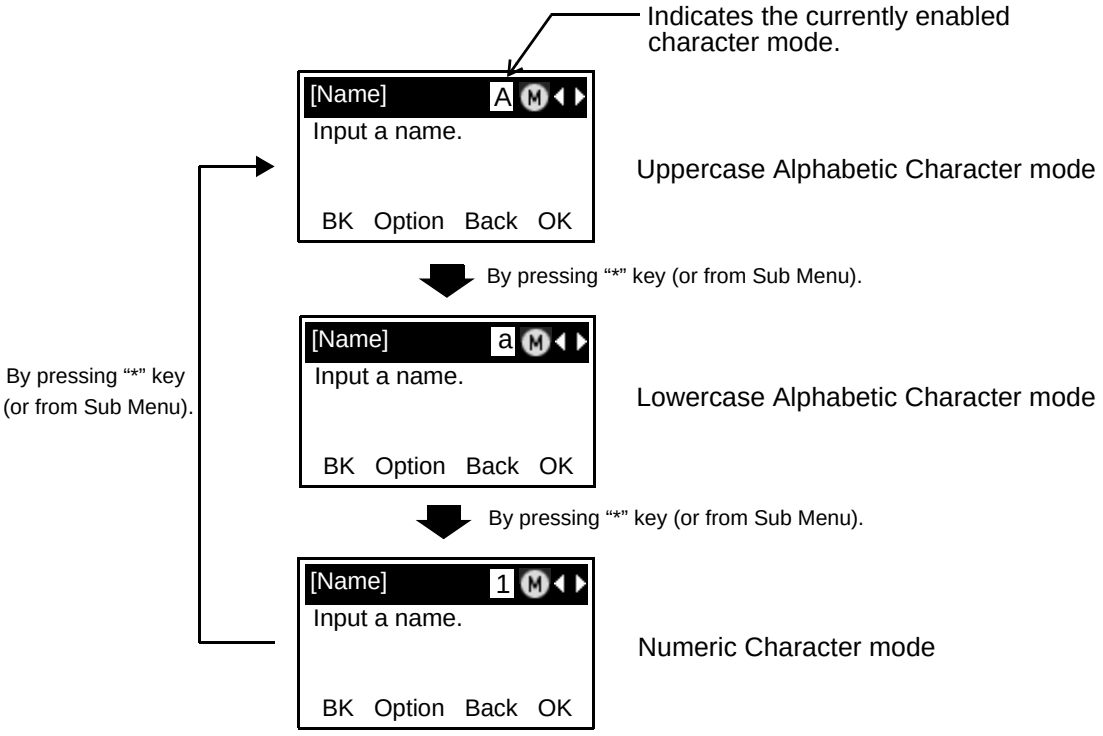
```
TRANSFER 2000           DDD 3
 4:26 PM    TUE 13  APR 2004
```

HOW TO INPUT CHARACTERS

This section explains how to enter chracters on the text input screen such as Name or User ID, etc.

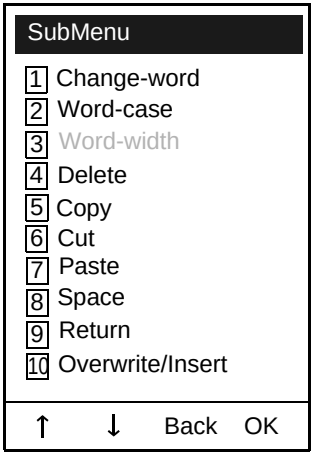
- **Character Entry Mode**

  When entering chracters from the telephone set, the following three modes are available: uppercase alaphabetic craracter, lowercase alphabetic character and numeric character. The chracter entry mode can be changed by pressing * key or from the Sub Menu screen.



The currently enabled entry mode is indicated in the top portion of the LCD screen.

To display the Sub Menu screen, press **Option** Soft Key while the text input screen is displayed. Also, the following operations are available from the Sub Menu screen.



Sub Menu Items	Descriptions
Change-word	Change character entry mode between uppercase alphabetic, lowercase alphabetic and numeric character.
Word-case	Switch betwen uppercase and lowercase.
Word-width	Not used.
Delete	Delete a single character.
Copy	Copy the specified characters.
Cut	Cut the specified characters.
Paste	Paste the specified characters.
Space	Enter a space.
Return	Start a new line.
Overwrite/Insert	Write over existing characters.

- **Character Code List**

<Character Code For English (1/2)>

DIGIT KEY	CASE SHIFT	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th
1	A	.	,	\	1	?	!	¥	@	:	;			
	a													
2	A	A	B	C										
	a	a	b	c										
3	A	D	E	F										
	a	d	e	f										
4	A	G	H	I										
	a	g	h	i										
5	A	J	K	L										
	a	j	k	l										
6	A	M	N	O										
	a	m	n	o										
7	A	P	Q	R	S									
	a	p	q	r	s									
8	A	T	U	V										
	a	t	u	v										
9	A	W	X	Y	Z									
	a	w	x	y	z									
0	A	[SP]												
	a													

<Character Code For English (2/2)>

		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
#	A a	*	#	.	/	:	~	!	@	$	%
		11st	12st	13st	14st	15st	16st	17st	18st	19st	20st
	A a	^	&	(	)	'	?	"	_	+	-
		21st	22st	23st	24st	25st	26st	27st	28st	29st	30st
	A a	=	[	]	{	}	<	>	,	;	\
*	Used as a case shift key. Shifts the characters between uppercase, lowercase and numeric.										

<Character Code For Russian>

DIGIT KEY	CASE SHIFT	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th
1	A	.	,	:	!	?	+	-	%	&	/	(	)	=	¿	¡
	a															
2	A	А	Б	В	Г											
	a	а	б	в	г											
3	A	Д	Е	Ё	Ж	З										
	a	д	е	ё	ж	з										
4	A	И	Й	К	Л											
	a	и	й	к	л											
5	A	М	Н	О	П											
	a	м	н	о	п											
6	A	Р	С	Т	У											
	a	р	с	т	у											
7	A	Ф	Х	Ц	Ч											
	a	ф	х	ц	ч											
8	A	Ш	Щ	Ъ	Ы	Ь										
	a	ш	щ	ъ	ы	ь										
9	A	Э	Ю	Я												
	a	э	ю	я												
0	A	SP														
	a															
#	A	#														
	a															
*	A	*														
	a															

<Character Code For Turkish>

DIGIT KEY	CASE SHIFT	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th
1	A	.	,	:	!	?	+	-	%	&	/	(	)	=	¿	¡
	a															
2	A	A	B	C	Ç											
	a	a	b	c	ç											
3	A	D	E	F												
	a	d	e	f												
4	A	G	Ğ	H	I	İ										
	a	g	ğ	h	ı	i										
5	A	J	K	L												
	a	j	k	l												
6	A	M	N	O	Ö											
	a	m	n	o	ö											
7	A	P	R	S	Ş											
	a	p	r	s	ş											
8	A	T	U	Ü	V											
	a	t	u	ü	v											
9	A	Y	Z													
	a	y	z													
0	A	[SP]														
	a															
#	A	#														
	a															
*	A	*														
	a															

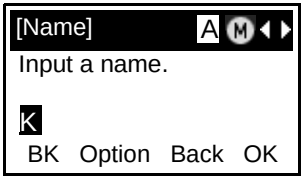
<Character Code For Other Languages>

DIGIT KEY	CASE SHIFT	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th
1	A	.	,	:	!	?	+	-	%	&	/	(	)	=	¿	¡
	a															
2	A	A	B	C	À	Á	Â	Ã	Ä	Å	Æ	Ç				
	a	a	b	c	à	á	â	ã	ä	å	æ	ç				
3	A	D	E	F	È	É	Ê	Ë								
	a	d	e	f	è	é	ê	ë								
4	A	G	H	I	Ì	Í	Î	Ï								
	a	g	h	i	ì	í	î	ï								
5	A	J	K	L												
	a	j	k	l												
6	A	M	N	O	Ñ	Ò	Ó	Ô	Õ	Ö	Œ	Ø				
	a	m	n	o	ñ	ò	ó	ô	õ	ö	œ	ø				
7	A	P	Q	R	S	ß										
	a	p	q	r	s	ß										
8	A	T	U	V	Ù	Ú	Û	Ü								
	a	t	u	v	ù	ú	û	ü								
9	A	W	X	Y	Z											
	a	w	x	y	z											
0	A	SP														
	a															
#	A	#														
	a															
*	A	*														
	a															

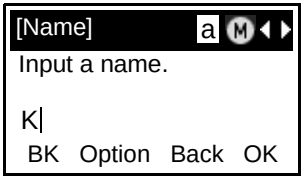
- **Character Entry Method**

  As an example of character entry method, the following shows how to enter “Ko Abe” .

☐ Press 5 key twice to enter “K”.

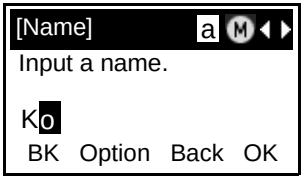


☐ Press * key once to switch input mode (uppercase alphabetic → lowercase alaphabetic).

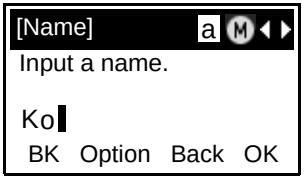


TIP: *Character input mode can also be changed from Sub Menu.*

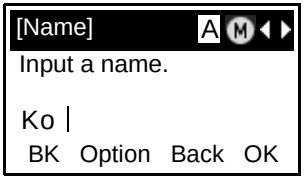
☐ Press 6 key three times to enter “o”.



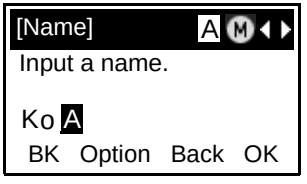
☐ Press 0 key once to enter a space.



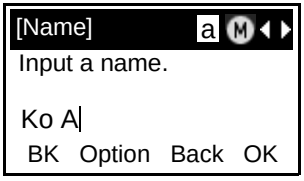
☐ Press * key twise to switch input mode (lowercase alphabetic → uppercase alphabetic → numeric).

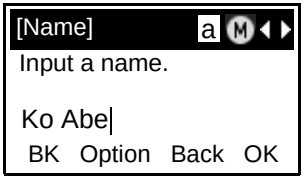


☐ Press 2 key once to enter “A”.

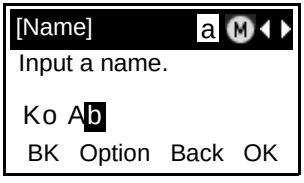


☐ Press * key once to move the cursor one space to the right.

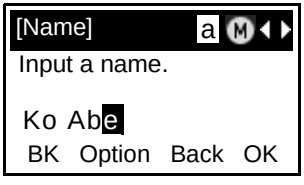




☐ Press 2 key twise to enter “b”.



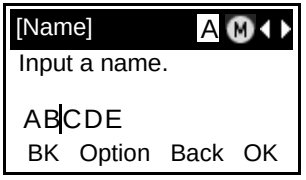
☐ Press 3 key twise to enter “e”.



☐ Press (**Left-cursor**) key once to move the cursor one space to the right.

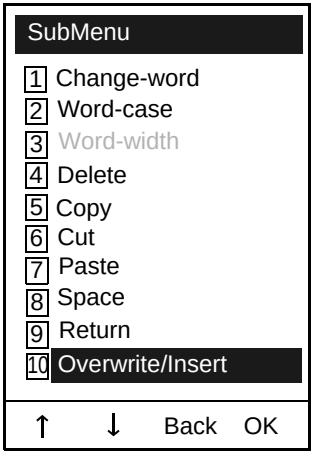
- **To Overwrite Characters**

☐ Place the cursor at the left of the chracters to be overwritten.

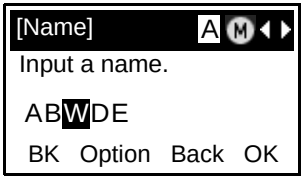


☐ Press **Option** soft key.

☐ On the following Sub Menu screen, select 10 **Over-write/Insert** and then press (**Enter**), (**Right-cursor**) or **OK** soft key.



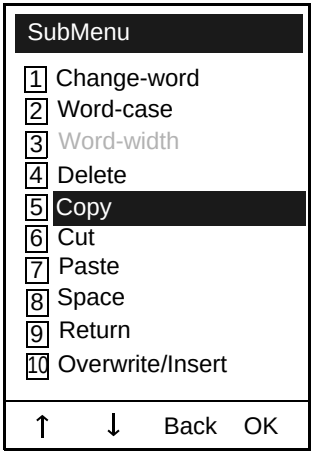
☐ Enter new words over existing characters. In this example, “W” is entered.



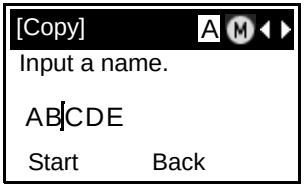
• To Copy and Paste Characters

☐ While characters which you want to copy are displayed, press **Option** soft key.

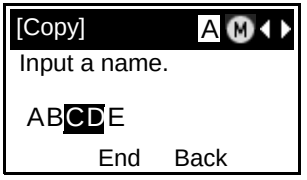
☐ On the following Sub Menu screen, press (**Enter**) or **OK** soft key while 5 **Copy** is highlighted, or press 5 key.



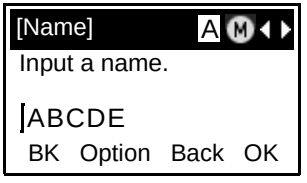
☐ Place the cursor at the starting point of the target characters by using (**Right/Left-cursor**) and then press **Start** soft key.



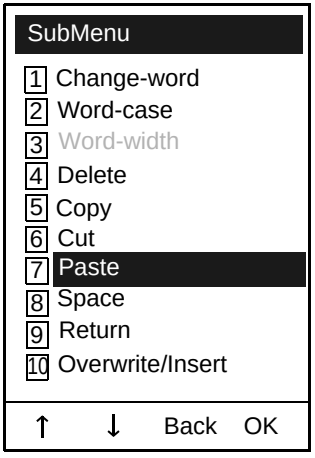
☐ Place the cursor at the end point of the target characters (**Right/Left-cursor**) and then press **End** soft key.



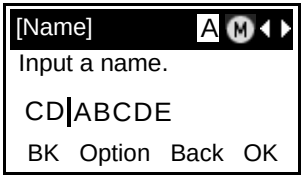
☐ Place the cursor at position where you want to paste the copied characters and then press **Option** soft key.



☐ On the following Sub Menu screen, select 7 **Paste** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 7 key.)

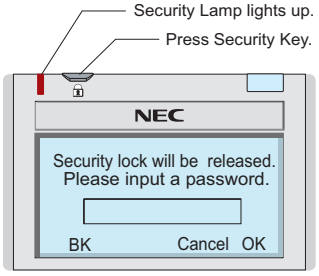


☐ The copied characters are inserted as follows:



SECURITY MODE

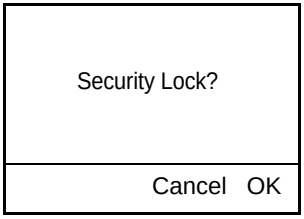
DT730 Series has the **Security** ( ) key which prevents information leakage from terminal. While the terminal is locked, Security Lamp lights up.



• TO LOCK THE TELEPHONE

Before placing DT700 Series in Security mode, you can set a password. For details on the password setting, see TO CHANGE PASSWORD in chapter 3 Terminal Setup.

Press (**Security**) key on DT730 Series. The followign message is displayed on LCD.



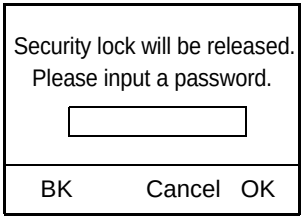
☐ Press (**Enter**) or **OK** soft key to place DT700 Series in Security mode.

☐ When DT730 Series is placed in Security mode, Security Lamp lights red and the screen saver will be activated.

• TO UNLOCK THE TELEPHONE

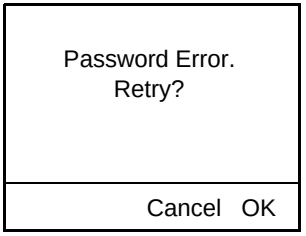
☐ Display the Password Entry screen by either of the following operations.

- Press any key while the screen server is activated.
- Press (**Security**) while the screen server is activated.

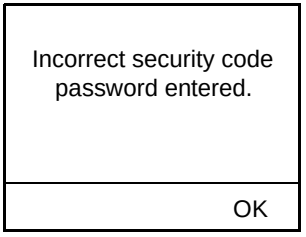


☐ Enter the password and then press (**Enter**) or **OK** soft key. Security Lamp is extinguished and Security Mode is canceled.

TIP: *When the password entry ends in failure, the following error message is issued. In that case, press (**Enter**) or **OK** soft key and then make a retry.*



TIP: *After a third attempt (if incorrect password entered three times), the following error messge is issued. Press (**Enter**) or **OK** soft key. The telephone locks up, and any key operation will be disabled for 10 minutes. After 10 minutes, make a retry.*



5. FEATURE OPERATION

TO ORIGINATE A CALL USING SPEED CALLING (ONE-TOUCH SPEED CALLING KEYS)

☐ Press the desired **One-Touch Speed Calling** key, or press Speaker key and **One-Touch Speed Calling** key.

To program

(Available only on DT Series with **One-Touch Speed Calling** key.)

☐ Press Feature key.
☐ Press desired **One-Touch Speed Calling** key.
☐ Enter desired telephone number or feature access code on the keypad.
Display indicates the digits dialed.
☐ Press Feature key again to save the number.

```
SPEED SET
 4:26 PM    TUE 13  APR 2004
```

To verify

☐ Press Feature key.
☐ Press desired **One-Touch Speed Calling** key.
☐ Display indicates digits programmed.

Note 1: *To program a hook switch for transfer or feature activation, press* Recall *key as first digit. (**!** displays on LCD.)*

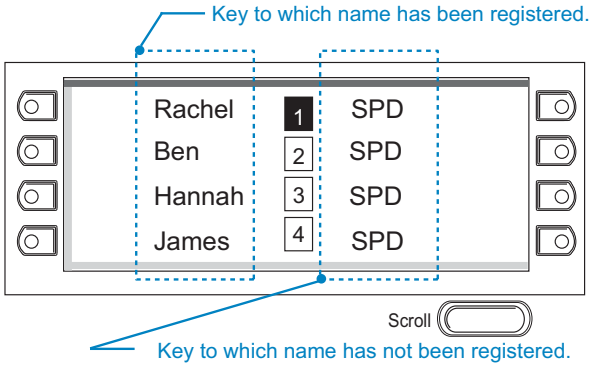
Note 2: *To program a pause, press the* Recall *key as any digit other than the first digit. (**–** displays on LCD.)*

Note 3: *To program a Voice Call, press* Transfer *key after dialing station number. (**V** displays on LCD.)*

Note 4: ***One-Touch Speed Calling** key for feature access: **One-Touch Speed Calling** key may be used as a feature key by storing the UNIVERGE SV7000 feature access code. The features may be programmed on a system basis by the Telephony Server Admin. Access codes may be stored in conjunction with telephone numbers. For example, one button can be programmed by the user to transfer to a certain extension.*

LCD Indication of 8LD Display

☐ Press the desired **One-Touch Speed Calling** key and originate a call.
Registered name will be displayed as follows. For the key to which no name information is registered, the character “SPD” will be displayed.



When registering Name Information of One-touch Speed Calling, the user can use uppercase alphabetic, uppercae Eupropean or lowercase European characters.

The following tables show available chracters for **One-Touch Speed Calling** keys.

- **Alphabetic character** (**Uppercase**)

Digit Code	1	2	3	4	5	6	7	8	9	0	*	#
Character	1	A	D	G	J	M	P	T	W	0	*	#
		B	E	H	K	N	Q	U	X		@	&
		C	F	I	L	O	R	V	Y		.	(
		a	d	g	j	m	S	t	Z		,	)
		b	e	h	k	n	p	u	w		’	[
		c	f	i	l	o	q	v	x		:	]
		2	3	4	5	6	r	8	y		;	!
							s		z		-	?
							7		9		/	

- **European Character (Uppercase)**

Digit Code	1	2	3	4	5	6	7	8	9	0	*	#
Character	.	A	D	G	J	M	P	T	W	0	*	#
	,	B	E	H	K	N	Q	U	X			
	:	C	F	I	L	O	R	V	Y			
	!	À	È	Ì	5	Ñ	S	Ù	Z			
	?	Á	É	Í		Ò	β	Ú	9			
	-	Â	Ê	Î		Ó	7	Û				
	+	Ã	Ë	Ï		Ô		Ü				
	%	Ä	3	4		Õ		8				
	&	Å				Ö						
	/	Æ				Œ						
	(	Ç				Ø						
	)	2				6						
	=											
	¿											
	¡											
	1											

- **European Character (Lowercase)**

Digit Code	1	2	3	4	5	6	7	8	9	0	*	#
Character	.	a	d	g	j	m	p	t	w	0	*	#
	,	b	e	h	k	n	q	u	x			
	:	c	f	i	l	o	r	v	y			
	!	à	è	ì	5	ñ	s	ù	z			
	?	á	é	í		ò	β	ú	9			
	-	â	ê	î		ó	7	û				
	+	ã	ë	ï		ô		ü				
	%	ä	3	4		õ		8				
	&	å				ö						
	/	æ				œ						
	(	ç				ø						
	)	2				6						
	=											
	¿											
	¡											
	1											

TO REGISTER NAME ON ONE-TOUCH SPEED CALLING KEY

(Available for 8LD Display terminal.)

☐ Press **NAME** button.

```
Push Speed Calling Key
 4:26 PM   TUE 13  APR 2004
NAME(*)                  >>>
```

☐ Press desired **One-Touch Speed Calling** key.

☐ Enter desired name on the keypad.
Display indicates the name entered.

```
NEC BNET
 ^
SET  CANCEL  CLEAR       >>>
```

☐ Press **SET** to save the name.

```
 4:26 PM   TUE 13  APR 2004
NAME                     >>>
```

Note 1: *To delete the entry, press **DEL** or **BK** key and delete each one character.*

Note 2: *To delete the whole setting, press **CLEAR** key and back to idle status.*

To register Speed Calling number on 8LD Display

☐ Follow the procedure of **To program** in **To Originate a Call Using Speed Calling (One-Touch Speed Calling Keys)**.

TO ORIGINATE A CALL USING SPEED CALLING (-STATION/ GROUP)

- ☐ Press Redial key.
- ☐ Press the desired speed calling number.

```
LNR[∗]/SPD[_ _]          –X
                      XXXXXX
```

TO ORIGINATE A CALL USING SPEED CALLING - SYSTEM

To program Speed Calling – System key (on one-touch speed calling key)

- ☐ Press Feature key.
- ☐ Press desired **One-Touch Speed Calling** key. The LCD displays previously stored digits.
- ☐ Dial the “Speed Calling – System” access code and the abbreviated call code.
- ☐ Press Feature key again.

```
SPEED SET
 4:26 PM    TUE 13  APR 2004
```

To operate from the Speed Calling – System key

- ☐ Press the “Speed Calling – System” key.

```
                          XXXX
 4:26 PM    TUE 13  APR 2004
```

- ☐ If the DT Series does not have the “Speed Calling – System” key, dial the “Speed Calling – System” access code, then the abbreviated call code.

To operate from the Directory key

- ☐ Press Directory key.
- ☐ Dial the abbreviated call code (maximum of 4 digits).

```
                          XXXX
 4:26 PM    TUE 13  APR 2004
```

ACCOUNT CODE

To enter

- ☐ Lift handset or press Speaker key, receive dial tone.
- ☐ Enter feature access code, receive service set tone.
- ☐ Enter "Account Code" (up to 10 digits). **(Note 1)**
- ☐ Receive dial tone and dial desired number.

To enter account code after authorization code

- ☐ Lift handset or press Speaker key, receive dial tone.
- ☐ Enter feature access code for "Authorization Code", receive service set tone.
- ☐ Enter "Authorization Code", receive second service set tone.
- ☐ Enter "Account Code", receive dial tone, and dial desired number.

Note: *Authorization and Account Codes may be up to 20 digits combined (or 34 digits combined).*

FORCED ACCOUNT CODE

- ☐ Lift handset or press Speaker key, receive dial tone.
- ☐ Enter feature access code, receive service set tone.
- ☐ Enter "Forced Account Code" (up to 10 digits), receive dial tone. **(Note 1)**

Note 1: *For North America, Account Codes can be up to 24 digits.*

Note 2: *For North America, Authorization and Account Codes can be up to 34 digits.*

AUTHORIZATION CODE

To enter without account code

- ☐ Lift handset or press Speaker key, receive dial tone.
- ☐ Enter feature access code, receive service set tone.
- ☐ Enter "Authorization Code" (up to 10 digits).
- ☐ Receive dial tone, dial desired number.

- Or -

- ☐ Lift handset, receive dial tone.
- ☐ Dial desired number.
- ☐ If an "Authorization Code" is required, caller hears special dial tone.
- ☐ Enter "Authorization Code", or call will be denied.

Note: *This option is available only if system is programmed with Least Cost Routing.*

To enter with account code (see above)

Service set tone is optional depending upon system programming.

Note: *If a 4-, 8-, 16- or 32-button display terminal is used, the display indicates all of the digits dialed.*

VOICE CALL

- ☐ Lift handset.
- ☐ Dial desired station number.
- ☐ Press **Voice**.

```
VOICE                          2000
 4:26 PM    TUE 13  APR 2004
```

- ☐ Speak to called party.

Using the Soft key

- ☐ Lift handset.
- ☐ Dial desired station number; **VOICE** Soft Key appears while station is ringing.

```
                               2000
 4:26 PM    TUE 13  APR 2004
MIC     VOICE                  >>>
```

- ☐ Press **VOICE** Soft Key. Speak to called party.

Note 1: *A Voice Call may be programmed on a **One-Touch Speed Calling** key by pressing **One-Touch Speed Calling** key, dialing the extension, and pressing the* Transfer *key. (**V** displays if programming on an DT Series with LCD. Save by pressing **One-Touch Speed Calling** key.)*

Note 2: *If called party is on their line when a Voice Call is attempted, calling station's display indicates:*

```
VOICE BUSY
 4:26 PM    TUE 13  APR 2004
```

Note 3: *A voice call is restricted if called party's station is not a DT Series. Display indicates:*

```
VOICE REST
 4:26 PM    TUE 13  APR 2004
```

TO ANSWER A VOICE CALL HANDS FREE

- ☐ Receive incoming Voice Call.
- ☐ Press the **MIC** Soft Key or Mic key. LED lights.
- ☐ Respond hands-free.

Calling station

```
VOICE                          2001
 4:26 PM    TUE 13  APR 2004
```

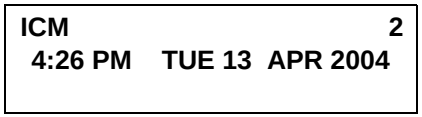
Note: *If privacy is required, lift handset.*

AUTOMATIC INTERCOM

To initiate

- ☐ Lift handset or press Speaker key.
- ☐ Press the **AICM** key.
- ☐ Hear ringback tone.

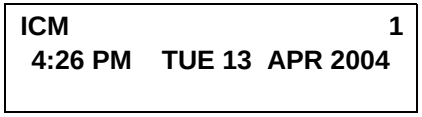
Called party



To answer

- ☐ **AICM** key flashes red indicating an incoming intercom call.

Overriding party



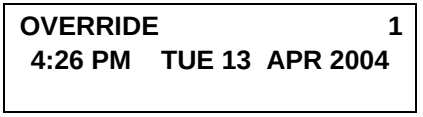
- ☐ Press **AICM**, lift handset or press Speaker key. LED lights solid green.
- ☐ If called station is engaged in a non-intercom call, the station may press **AICM** after placing original caller on hold (with HOLD key).

To bridge into an automatic intercom call

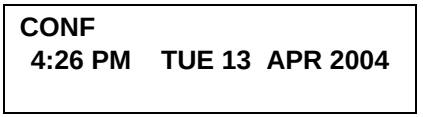
Note: *Bridging is an optional feature.*

- ☐ Press the **AICM** key, lift handset or press Speaker key.

Overriding party



- ☐ A three-party conference is established.



MANUAL INTERCOM

To initiate

- ☐ Press **MICM**, lift handset or press Speaker key, ringback tone is heard.
- ☐ Press the **SIG** key if it is desired for the called station to hear ringing.

Called party

ICM	**2**
4:26 PM TUE 13 APR 2004	

To answer

- ☐ **MICM** key flashes, indicating an incoming call. Ring tone may also be heard.

Calling party

ICM	**1**
4:26 PM TUE 13 APR 2004	

- ☐ Press **MICM**.
- ☐ Lift handset or press Speaker key, LED lights solid green.
- ☐ If called station is engaged in a non-intercom call, the station may press **MICM** after placing original caller on hold (with HOLD key).

To bridge into a manual intercom call

Note: *Bridging is an optional feature.*

- ☐ Press **MICM**, lift handset or press Speaker key.

Overriding party

OVERRIDE	**1**
4:26 PM TUE 13 APR 2004	

- ☐ A three-party conference is established.

CONF
4:26 PM TUE 13 APR 2004

Note 1: *The* **SIG** *key signals the corresponding station when speaking over the intercom path is unnecessary.*

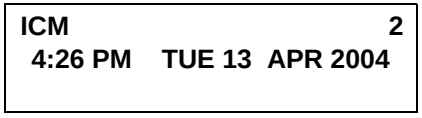
Note 2: *Two-button Manual Intercom provides one button for signalling and one for talking. A separate signaling button can be used in many ways for the secretary to alert a boss, or vice versa.*

DIAL INTERCOM

To initiate

- ☐ Lift handset or press the Speaker key.
- ☐ Press **DICM** key.
- ☐ Dial desired intercom station number. Receive ringback tone.

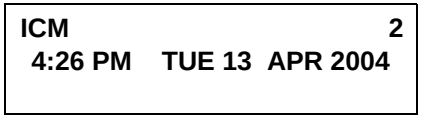
Called party



To answer

- ☐ **DICM** LED flashes, indicating an incoming intercom call.
- ☐ Press **DICM**.
- ☐ Lift handset or press Speaker key. LCD shows solid green.
- ☐ If called station is engaged in a non-intercom call, the station may press **DICM** after placing the original call on hold (with HOLD key.)

Calling party

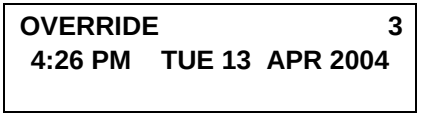


To bridge into a dial intercom call

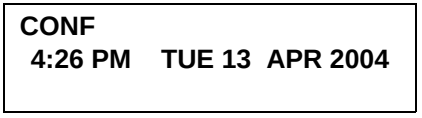
Note: *Bridging is an optional feature.*

- ☐ Press the **DICM** key, lift handset or press Speaker key.

Overriding party



- ☐ A three-party conference is established.



Note: *Dial intercom provides a Dial Intercom group where each member of the group may be called by a 1- or 2-digit number without using their prime lines.*

CONFERENCE

- ☐ With call in progress, ask party to hold.
- ☐ Press Transfer key, receive interrupted dial tone.
- ☐ Dial desired number.
- ☐ After call is answered, press Conf key**.** The LED lights.
- ☐ Three-way conference is established.

```
CONF
 4:26 PM   TUE 13  APR 2004
```

Using the Soft Key

- ☐ With a call in progress, press Transfer key and dial desired number.
- ☐ After call is answered, press **CONF** Soft Key. Three-way conference is established.

```
CONF
 4:26 PM   TUE 13  APR 2004
MIC                      >>>
```

- ☐ If one party hang up, other two remain connected. **Conf** LED goes out.

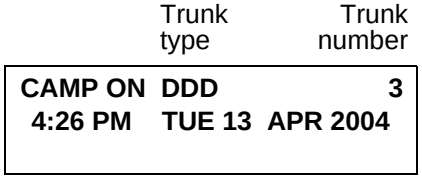
TO ESTABLISH A BROKER CALL

- ☐ While engaged in a call and wishing to consult a third party, press Transfer key. Caller is automatically placed on hold.
- ☐ Dial desired party to consult.
- ☐ Press Transfer key to return to original caller. Third party is automatically placed on hold.
- ☐ By repeating these steps, it is possible to alternate between calls.

Note: *The display indicates connected station or trunk at any given time.*

TO ANSWER A CAMPED-ON CALL

- ☐ While engaged in a call, receive the camp-on indication (one short tone burst). LED of Answer key flashes.
- ☐ Press Answer key. Call in progress is placed on hold.
- ☐ Connection to camped-on call is established.
- ☐ Press Answer key to return to original call. Camped-on call is placed on hold.
- ☐ By repeating these steps, it is possible to alternate between calls. Display indicates connected station or trunk at any given time.


Trunk type
Trunk number
CAMP ON DDD 3
4:26 PM TUE 13 APR 2004

CALL WAITING - ORIGINATING

To program call waiting key (on One-Touch Speed Calling key)

- ☐ Press Feature key.
- ☐ Press desired **One-Touch Speed Calling** key.
- ☐ Press Recall key. **!** appears on LCD. (See **Note**.)
- ☐ Dial "Call Waiting" feature access code.
- ☐ Press Feature key.

Note: *To program a hook switch for transfer or feature activation, press* Recall *as first digit. "**!**" displays on LCD.*

To activate call waiting – originating

- ☐ Dial desired station number, receive busy tone.
- ☐ Press **CALL WAITING**.
- ☐ Receive special ringback tone.
- ☐ Call waiting tone is sent to busy station.

Called station number

```
C WAIT                    2000
 4:26 PM   TUE 13  APR 2004
```

– Or –

- ☐ Lift handset or press Speaker key.
- ☐ Dial "Call Waiting" access code, receive dial tone.

```
C WAIT
 4:26 PM   TUE 13  APR 2004
```

- ☐ Dial busy station.

```
C WAIT SET                2000
 4:26 PM   TUE 13  APR 2004
```

Using the Soft Key

- ☐ Dial desired station and receive busy tone.
- ☐ Press **CW** Soft Key receive call waiting ringback tone.

Called station number

```
C WAIT SET                2000
 4:26 PM   TUE 13  APR 2004
MIC                        >>>
```

To answer a waiting call

- ☐ Call Waiting Tone is heard.
- ☐ Press Answer key.
- ☐ Waiting call is automatically connected. Original party is placed on hold.
- ☐ By repeatedly pressing Answer key, it is possible to alternate between calls. Display indicates connected station or trunk at any given time.

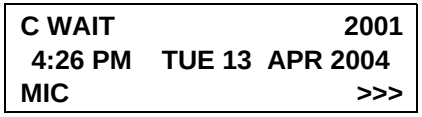
Calling station number

```
C WAIT                    2001
 4:26 PM   TUE 13  APR 2004
```

Using the Soft Key

- ☐ Hear burst of tone Display indicates "**C WAIT**" and Answer keyflashes.
- ☐ Press Answer key receive call waiting tone.

Calling station number



To disconnect

- ☐ Press Recall key. Station user is automatically connected to original party.

CALL PARK

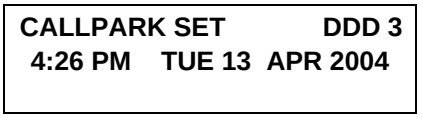
To program call park key (on One-Touch Speed Calling key)

- ☐ Press Feature key.
- ☐ Press **One-Touch Speed Calling** key.
- ☐ Press Recall key. "**!**" displays on LCD.
- ☐ Dial "Call Park" access code.
- ☐ Press Feature key again.

To park a call

- ☐ While connected to a station or trunk, press **CALL PARK**.

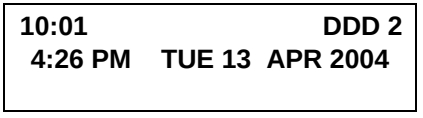
Parked station or trunk



To retrieve a parked call from originating station

- ☐ Dial "Call Park" local retrieval code.
- ☐ Station user is connected to parked call.

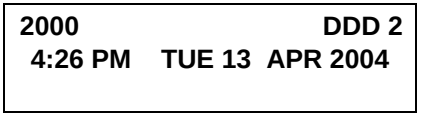
Elapsed time



To retrieve a parked call from a remote station

- ☐ Dial "Call Park" local retrieval code.
- ☐ Station user is connected to parked call.

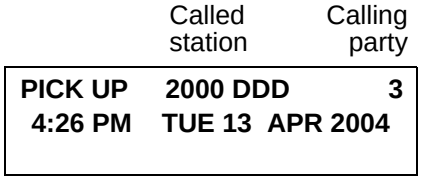
Station that parked the call



CALL PICK-UP (GROUP)

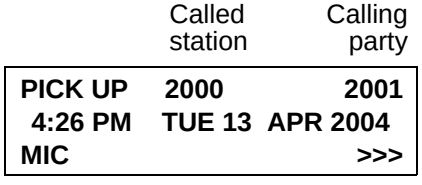
When station within pick-up group rings

- ☐ Lift handset.
- ☐ Press **CALL PICK-UP** or dial “Call Pick-up” access code (may be stored on **One-Touch Speed Calling** key).
- ☐ Connection to calling party is established.
- ☐ If currently on a call, press Transfer key and dial “Call Pick-up” access code.
  The original party is placed on hold.



Using the Soft Key

- ☐ Lift handset and press **PICK** Soft Key.
- ☐ Connection to calling party is established.



CALL PICK-UP (DIRECT)

To program pick-up direct key (One-Touch Speed Calling key)

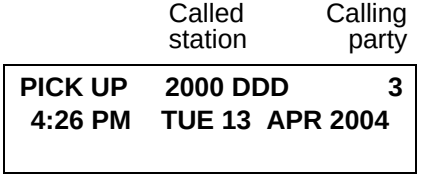
- ☐ Press Feature key.
- ☐ Press **One-Touch Speed Calling** key.
- ☐ Dial “Direct Call Pick-up” access code.
- ☐ Press Feature key again.

When a station within the system rings

- ☐ Lift handset, receive dial tone.
- ☐ Press **PICK-DIRECT** and dial the station number to be picked up.

– Or –

- ☐ Dial “Direct Call Pick-up” access code and the station number to be picked up.
- ☐ Connection to calling party is established.
- ☐ If busy, original call must be placed on hold before new call can be picked up.



OUTGOING TRUNK QUEUING

If trunk busy

- ☐ Receive Trunk Busy indication. Press **CALL BACK**. Call is placed in queue for next available trunk.
- ☐ When trunk is available, setting station is alerted by ringing and flashing red LED.
- ☐ Press Speaker key or lift handset. Dial tone is heard or number is automatically dialed if Least Cost Routing is provided.

```
OG-Q SET
 4:26 PM    TUE 13  APR 2004
```

OFF-HOOK TRUNK QUEUING

- ☐ Press Speaker key, receive dial tone.
- ☐ Dial desired telephone number. Encounter a trunk busy condition.
- ☐ Station user receives service set tone and leaves speaker on.
- ☐ The desired number is automatically dialed when a trunk becomes available.

EXECUTIVE OVERRIDE

If called station is busy

- ☐ Press **OVERRIDE**.
- ☐ Interrupted parties receive warning tone.

Overridden station

```
OVERRIDE                    2001
 4:26 PM    TUE 13  APR 2004
```

- ☐ Three-way conference is initiated.
- ☐ **Conf** LED lights.

```
CONF
 4:26 PM    TUE 13  APR 2004
```

Using the Soft Key

- ☐ Press **E-OVR** Soft Key.
- ☐ Interrupted parties receive warning tone and three-way conference is initiated.

```
OVERRIDE                    2001
 4:26 PM    TUE 13  APR 2004
MIC                          >>>
```

Note: *Override may be programmed by the Telephony Server Admin. for one of the Programmable feature keys, or may be programmed by the user on a* ***One-Touch Speed Calling*** *key by storing the Recall and Override access code.*

LAST NUMBER REDIAL

To Recall the Last Number Dialed

☐ Press **Redial** key. Last number dialed is displayed.

```
LNR[# or ✳]/SPD[_ _]      –X
                      XXXXXX
```

☐ Press **Redial** key until desired number is displayed. Up to 5 previously dialed numbers.
☐ Press # or ✳ **(Note)**. The number on the display is automatically redialed.
☐ When party has answered, lift handset or speak handsfree.

Note: *A-law Countries [Australia, Russia, Latin America, UK, Middle near East, other Asian nations]: # µ-law Countries [North America, Japan, Hong Kong, Taiwan]: ✳*

CALL FORWARDING - ALL CALLS

To Set

☐ Press **Speaker** key. Receive dial tone.
☐ If setting for another station, press **MULTILINE APPEARANCE**.
☐ Press **FWD** or dial "Call Forwarding – All Calls" access code. Receive special dial tone.
☐ Dial destination station or external telephone number. Receive service set tone.
☐ **FWD** LED lights (at your station or at the DT Series of the multiline station you are setting).
☐ Press **Speaker** key. Call Forwarding – All Calls is set.

Forwarding station

```
FORWARD SET              2000
 4:26 PM   TUE 13  APR 2004
```

Using the Soft Key

☐ Press **FDA** Soft Key. Receive special tone.
☐ Dial destination; wait for service set tone.
☐ "**FORWARD SET**" is displayed, call forwarding for all calls is set.

```
FORWARD SET
 4:26 PM   TUE 13  APR 2004
MIC                      >>>
```

To Verify (only for terminal with LCD)

☐ Press **FWD**.
☐ Display indicates the station number calls are forwarded to.

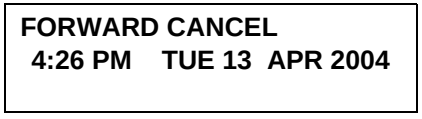
Forwarding station

```
FORWARD                  2000
 4:26 PM   TUE 13  APR 2004
```

Note 1: *With Soft Key operation,* **FDB** *flashes on the display.*

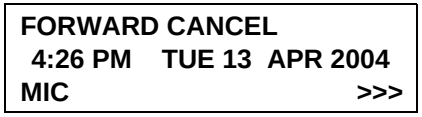
To Cancel

- ☐ Press Speaker key. Receive dial tone. If canceling for another station, press **MULTILINE APPEARANCE**.
- ☐ Press **FWD** or dial “Call Forwarding – All Calls” cancel code. Receive service set tone. LED goes out at your station (or the DT Series of the multiline station).
- ☐ Press Speaker key. Call Forwarding – All Calls is cancelled.



Using the Soft Key

- ☐ Press **FDA** Soft Key.
- ☐ Receive service set tone and “**FORWARD CANCEL**” is displayed.



CALL FORWARDING - BUSY LINE

To Set

- ☐ Press Speaker key. Receive dial tone.
- ☐ If setting for another station, press **MULTILINE APPEARANCE**.
- ☐ Press **FWD-BY** or dial "Call Forwarding – Busy Line" access code. Receive special dial tone.
- ☐ Dial destination station or external telephone number. Receive service set tone.
- ☐ **FWD-BY** LED lights (at your station or at the DT Series of the multiline station you are setting).
- ☐ Press Speaker key. Call Forwarding – Busy Line is set.

```
FORWARD SET
 4:26 PM    TUE 13  APR 2004
```

Using the Soft Key

- ☐ Press **FDB** Soft Key. Receive special dial tone.
- ☐ Dial destination; wait for service set tone.
- ☐ "**FORWARD SET**" is displayed; Call Forwarding – Busy Line is set.

```
FORWARD SET
 4:26 PM    TUE 13  APR 2004
MIC                          >>>
```

To Verify (only for terminal with LCD)

- ☐ Press **FWD-BY**.
- ☐ Display indicates the station number calls are forwarded to.

Forwarding station

```
FORWARD                      2000
 4:26 PM    TUE 13  APR 2004
```

Note 1: *With Soft Key operation,* **FDB** *flashes on the display.*

To Cancel

- ☐ Press Speaker key. Receive dial tone. If canceling for another station, press **MULTILINE APPEARANCE**.
- ☐ Press **FWD-BY** or dial "Call Forwarding – Busy Line" cancel code. Receive service set tone. LED goes out at your station (or the DT Series of the multiline station).
- ☐ Press Speaker key. Call Forwarding – Busy Line is cancelled.

```
FORWARD CANCEL
 4:26 PM    TUE 13  APR 2004
```

Using the Soft Key

- ☐ Press **FDB** Soft Key.
- ☐ Receive service set tone and "**FORWARD CANCEL**" is displayed.

```
FORWARD CANCEL
 4:26 PM   TUE 13  APR 2004
MIC                        >>>
```

CALL FORWARDING - DON'T ANSWER

To Set

- ☐ Press Speaker key. Receive dial tone.
- ☐ If setting for another station, press **MULTILINE APPEARANCE**.
- ☐ Press **FWD-NA** or dial "Call Forwarding – Don't Answer" access code. Receive special dial tone.
- ☐ Dial destination station or external telephone number. Receive service set tone.
- ☐ **FWD-NA** LED lights (at your station or at the DT Series of the multiline station you are setting).
- ☐ Press Speaker key. Call Forwarding – Don't Answer is set.

Forwarding station

```
FORWARD SET                2000
 4:26 PM   TUE 13  APR 2004
```

Using the Soft Key

- ☐ Press **FDN** Soft Key. Receive special dial tone.
- ☐ Dial destination; wait for service set tone.
- ☐ "**FORWARD SET**" is displayed; Call Forwarding – Don't Answer is set.

```
FORWARD SET
 4:26 PM   TUE 13  APR 2004
MIC                        >>>
```

To Verify (only for terminal with LCD)

- ☐ If verifying for another station, press **MULTILINE APPEARANCE** while idle.
- ☐ Press **FWD-NA**.
- ☐ Display indicates the station number calls are forwarded to.

Forwarding station

```
FORWARD                    2000
 4:26 PM   TUE 13  APR 2004
```

Note 1: *Call Forwarding for Busy Line and Don't Answer may be combined depending upon system programming.*

Note 2: *With Soft Key operation,* **FDB** *flashes on the display.*

To Cancel

- ☐ Press Speaker key. Receive dial tone. If canceling for another station, press **MULTILINE APPEARANCE**.
- ☐ Press **FWD-NA** or dial "Call Forwarding - Don't Answer" cancel code. Receive service set tone.

LED goes out at your station (or the DT Series of the multiline station).

- ☐ Press Speaker key. Call Forwarding – Don't Answer is cancelled.

```
FORWARD CANCEL
 4:26 PM   TUE 13  APR 2004
```

LOGGED OUT IP STATION - CALL DESTINATION

To Set

- ☐ Lift handset or press Speaker key.
- ☐ Press the FDL Key or dial "Logged Out IP Station – Call Destination" access code.
- ☐ Dial destination station number; receive service set tone.
- ☐ Replace handset or press Speaker key. Logged Out IP Station – Call Destination is set.

```
FORWARD SET              XXXX
 4:26 PM   TUE 13  APR 2004
```

Using the Soft Key

- ☐ Press **FDL** Soft Key; receive special Dial Tone.
- ☐ Dial destination station number.
- ☐ Receive service set tone; "**FORWARD SET**" is displayed.

```
FORWARD SET              XXXX
 4:26 PM   TUE 13  APR 2004
MIC                       >>>
```

To Verify (only for terminal with LCD)

- ☐ Press "Logged Out IP Station – Call Destination" feature key lit red or press **FDL**.
- ☐ Display indicates the station number calls are forwarded.

```
FORWARD                  XXXX
 4:26 PM   TUE 13  APR 2004
```

Note: *With Soft Key Operation,* **FDL** *flashes on the display.*

To Cancel

- ☐ Lift handset or press Speaker key; receive Dial Tone.
- ☐ Press the **FDL** Key or dial "Logged Out IP Station – Call Destination" cancel code; receive service set tone.
- ☐ Replace handset or press Speaker key. Logged Out IP Station – Call Destination is canceled.

```
FORWARD CANCEL
 4:26 PM   TUE 13  APR 2004
```

Using the Soft Key

- ☐ Lift handset or press Speaker key; receive Dial Tone.
- ☐ Press **FDL** Soft Key; receive service set tone.
- ☐ Dial destination station number; receive service set tone.
- ☐ "Logged Out IP Station – Call Destination" lamp goes off and FDL indication disappears on the LCD.

```
FORWARD CANCEL
 4:26 PM   TUE 13  APR 2004
MIC                        >>>
```

CALL BACK

If Called Station is Busy

- ☐ Press **CALL BACK**. Receive service set tone.

Called party

```
CALLBACK SET              2000
 4:26 PM   TUE 13  APR 2004
```

– Or –

- ☐ Press the **FLASH** key and enter "Call Back" access code.
- ☐ When both parties become idle, calling party's phone rings. Calling party would go off hook and hear ring back tone.
  The called station would then be ringing.

Called party

```
CALLBACK                  2000
 4:26 PM   TUE 13  APR 2004
```

- ☐ Connection is established when the called party answers.

Called party

```
CALLBACK                  2001
 4:26 PM   TUE 13  APR 2004
```

Note: *Call Back may be programmed by the Telephony Server Admin. on a Programmable feature key or by the user on a* ***One-Touch Speed Calling*** *key.*

Using the Soft Key

- ☐ Press **CB** Soft Key and receive service set tone.
- ☐ "**CALLBACK SET**" is displayed and the **CB** Soft Key flashes on the display.

```
CALLBACK SET
 4:26 PM   TUE 13  APR 2004
MIC                        >>>
```

TO SAVE AND REPEAT A NUMBER

To Save

- ☐ Press Speaker key.
- ☐ Dial desired telephone number.
- ☐ Press **S&R**. Dialed number is now stored. **S&R** LED lights.

– Or –

- ☐ Receive internal call.
- ☐ Press **S&R**. Number is stored in memory.
- ☐ **S&R** LED lights.

Using the Soft Key

- ☐ Press **S&R**. Number is stored in memory.
- ☐ **S&R** LED lights.

To Verify (only for terminal with LCD)

- ☐ While idle, press **S&R**.
- ☐ Display indicates digits sorted.

To Repeat

- ☐ Press Speaker key.
- ☐ Press **S&R**. DT Series automatically redials the programmed number.
- ☐ **S&R** automatically cancelled. LED goes out.

Note: *If saved number is busy or no answer is received, to save it again, press* **S&R** *again before hanging up.*

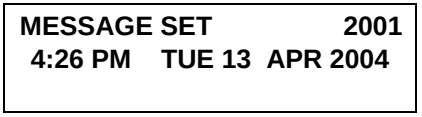
Using the Soft Key

- ☐ Press flashing **S&R** Soft Key. Stored number is automatically redialed. "**S&R**" disappears from display.

TO LEAVE A MESSAGE

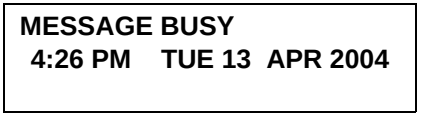
- ☐ Press Speaker key. Receive dial tone.
- ☐ Dial desired station number. Encounter no answer or busy condition.
- ☐ Press **MSG**. Message is sent to called DT Series.
- ☐ Called station **MSG** LED lights.

Called station

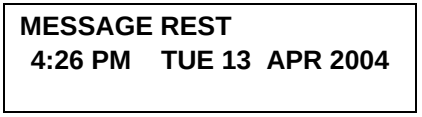


Note 1: *Up to four messages can be stored in DT Series memory.*

Note 2: *If a fifth message is attempted, reorder tone is heard and display indicates as follows:*



Note 3: *If station is not equipped to receive messages, reorder tone is heard and display indicates as follows:*



TO ANSWER A MESSAGE

To Display

- ☐ **MSG** LED is lit. Station is idle.
- ☐ Press **MSG**.
- ☐ Re-press **MSG** to display additional messages in order received.

Calling station

```
MSG 2001                12:28PM
 4:26 PM   TUE 13  APR 2004
```

To Respond

- ☐ While displaying desired message, press Speaker key.
- ☐ Press **MSG**. Station which left message is automatically redialed.
- ☐ Message is erased.

To Erase

- ☐ To erase a message without returning the call, press MSG to display desired message.
- ☐ Dial # or ✳ while message displays. Message is erased.

```
MESSAGE CANCEL
 4:26 PM   TUE 13  APR 2004
```

Note: *If station that left message is busy, callback or* **MSG** *may be set. If station that left message does not answer,* **MSG** *may be set, notifying originating party that a message return was attempted.*

VOICE MAIL SYSTEM

To Set

- ☐ Press Feature key.
- ☐ Press **Message** key.
- ☐ Dial desired “Voice Mail System” access code.
- ☐ Press Feature key again.

```
SPEED SET
 4:26 PM   TUE 13  APR 2004
```

To Originate

- ☐ Press **Message** key.
- ☐ Hear ringback tone.

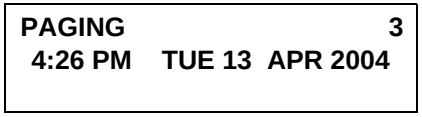
MEET-ME PAGING

Example:
Station A can page Station B. When Station B dials answer code, they are connected.

To Page (Station A)

- ☐ Dial “Paging” access code, receive continuous ringback for one second.
- ☐ Page station B.
- ☐ Remain off hook or hang up.

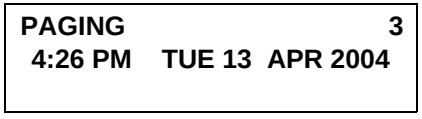
Trunk number



To Answer (Station B)

If Station A remains off hook

- ☐ Station B dials “Paging” answer code, and they are immediately connected.



If Station A hung up

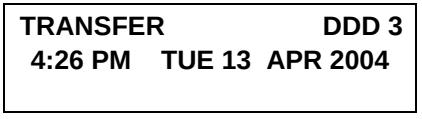
- ☐ Station B dial “Paging” answer code, and Station A DT Series rings.
- ☐ When station A goes off-hook, they are connected.

Note: *Paging function can not be supported with IP enabled DT700 Series.*

PAGING TRANSFER

Example:
Station A receives an important call for Station B who is not at a desk. Station A can page Station B. When Station B dials the Paging answer code, Station A can announce the call and transfer it to Station B.

Calling trunk number



Station A paging

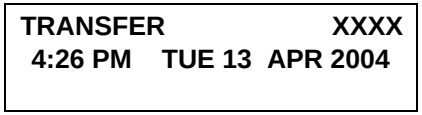
- ☐ Ask calling party to hold.
- ☐ Press Transfer key. Receive interrupted dial tone.
- ☐ Dial “Paging” access code. Receive continuous ringback for one second.
- ☐ Page Station B.
- ☐ Remain off-hook or hang up.

To Answer (Station B)

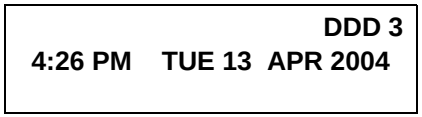
If Station A remained off hook

- ☐ Station B dials “Paging” answer code, and is connected with Station A. Station A announces call.

Stations A and B each display the other's number



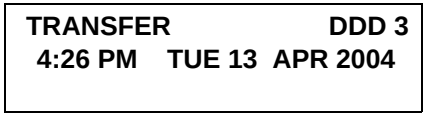
☐ Station A hangs up. Station B and the calling party are connected.



If Station A hung up

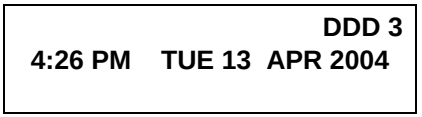
☐ Station B dials "Paging" answer code. Station A DT Series rings.

Stations A and B each display the other's number, flashing



☐ Station A picks up and announces call.
☐ Station A hangs up. Station B and the calling party are connected.

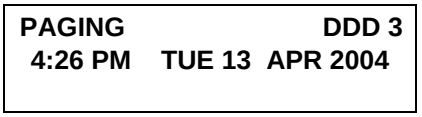
Calling trunk number



– Or –

(Dependent on System Programming)

☐ Station B dials "Paging" answer code, and is immediately connected to the calling party.

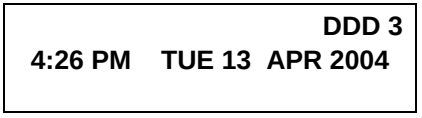


BOSS/SECRETARY TRANSFER

Secretary

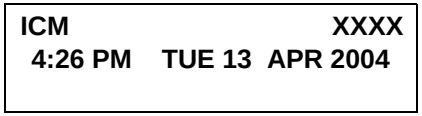
☐ Lift handset, press boss' ringing line. Ask calling party to hold.

Calling party



☐ Press boss' line again. "Voice Call" is automatically established.

Boss and secretary station each display the other's number



☐ Announce the call to the boss.

If Boss Accepts Call

☐ Secretary replaces handset.
☐ Secretary presses boss' line to return to calling party.

If Boss Refuses Call

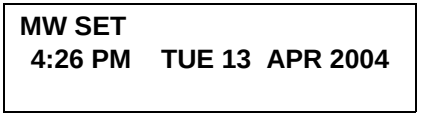
☐ Secretary presses boss' line to return to calling party.

Boss/Secretary - MW LAMP CONTROL

To Set MW at Boss' Station

With caller on the line

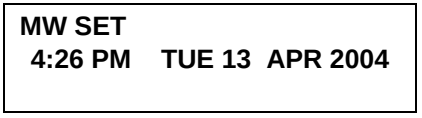
☐ Lift handset or press Speaker key.
☐ Press boss' ringing line. Ask calling party to hold.
☐ Press the **MW-SET** line/feature key. No service set tone is heard.



Boss sees **MW** on display and can call secretary to receive message.

Without caller on the line

☐ After taking message, press Recall key and receive dial tone.
☐ Press the **MW-SET** line/feature key. Receive service set tone.



Note: *The secretary can hang up after taking a message, and set a message lamp at any time by going off-hook on the boss' multiline and pressing the* **MW-SET** *key.*

To Cancel at Boss' Station

With caller on the line

☐ Lift handset or press Speaker key. Receive dial tone.
☐ Press Boss' line appearance.
☐ Press **MW-CANCEL** line/feature key. Receive service set tone.

MW	CANCEL
4:26 PM TUE 13 APR 2004	

With caller on the line

☐ While engaged in conversation on boss' multiline, press **MW-CANCEL** key. No service set tone is heard.

MW	CANCEL
4:26 PM TUE 13 APR 2004	

BOSS SECRETARY OVERRIDE

Exmaple:
Station 2000 is boss, Station 2001 is secretary.
Boss is connected to Trunk A.
Incoming call on Trunk B connects to secretary, but is intended for boss.

To Program Boss/Secretary Override Key

☐ Press Feature key.
☐ Press a **One-Touch Speed Calling** key.
☐ Dial "Boss/Secretary Override" access code.
☐ Press Recall key. – displays on LCD.
☐ Dial boss' station number.
☐ Press Feature key again.

Secretary

☐ Lift handset to answer Trunk B, ask caller to hold.
☐ Press **CALL HOLD** feature key or Transfer key and dial call hold access code. Receive Dial Tone.
☐ Press **BOSS/SEC OVERRIDE**. Receive Ringback Tone.

Boss' station number

C WAIT	2000
4:26 PM TUE 13 APR 2004	

Boss

☐ Hear 3 bursts of tone. LCD indicates:

Secretary's station number

```
C WAIT                    2001
 4:26 PM   TUE 13  APR 2004
```

Option 1

☐ Boss presses Answer key and converses with secretary. Trunk A is placed on hold.
☐ Secretary hangs up. Boss is connected to Trunk B.
☐ Boss can alternate between the two parties by pressing Answer key.

Option 2

☐ Boss presses Answer key and converses with secretary. Trunk A is placed on hold.
☐ Boss presses station 01 key and converses with Trunk B. Boss presses Answer key to reconnect to Trunk A.
☐ Secretary hears reorder tone, hangs up.
☐ Boss can alternate between the two parties by pressing Answer key.

Option 3

☐ If boss does not respond to 3 bursts of tone, secretary presses Recall key.
☐ Secretary is connected to Trunk B.

Option 4

☐ Boss presses Answer key and converses with Secretary. Trunk A is placed on hold.
☐ Boss denies call, presses Transfer key to return to Trunk A.
☐ Secretary is returned to Trunk B.

Note: *If boss has 4/8/16/16LD/32 button display terminal, display always indicates the connected station or trunk at any given time.*

DO NOT DISTURB

While Idle (On Hook)

☐ Press **DND**. LED lights.

```
DND SET
 4:26 PM   TUE 13  APR 2004
```

Note: *With Soft Key operation, "***DND***" flashes when set.*

To Cancel

☐ Press **DND**. LED goes out.

```
DND CANCEL
 4:26 PM   TUE 13  APR 2004
```

Using the Soft Key

☐ Press flashing **DND** Soft Key.

DND CANCEL
MIC DND >>>

Note: **DND** *must be programmed by the Telephony Server Admin. on a Programmable feature key.*

CALL REDIRECT

Example:

DT Series Station A views on the DT Series display the Station Number or Caller ID of an Incoming Call and immediately redirects the call by pressing a Function Key. The destination of the Call Redirect will be the Call Forwarding-Don't Answer Destination or the Recall Destination if the call is transferred without Call Forwarding-Don't Answer being set at the station.

Note: *This feature is available in North America only.*

Call Redirect To Call Forward-Don't Answer Destination:

☐ Station A sets Call Forward-Don't Answer to Station B.
☐ Station C dials Station A, it rings and displays Station C's number on the display.
☐ Station A presses the Call Redirect Key.
☐ REDIRECT is displayed on the LCD, and the call immediately forwards to Station B.

Using the Soft Key

☐ Station A sets Call Forward-Don't Answer to Station B.
☐ Station C dials Station A, it rings and displays Station C's number on the display.
☐ Station A presses the REDIR Soft Key.
☐ REDIRECT is displayed on the LCD, and the call immediately forwards to Station B.

- Or -

Call Redirect to Recall Destination When Call Is Transferred Without Call Forwarding-Don't Answer Being Set

- ☐ Station B calls Station C.
- ☐ Station C answers the call and transfers it to Station A and then releases the call.
- ☐ Station A rings.
- ☐ Station A presses the Call Redirect Key.
- ☐ REDIRECTING is displayed on Station A and the call immediately recalls to Station C.

Using the Soft Key

- ☐ Station B calls Station C.
- ☐ Station C answers the call and transfers it to Station A and then releases the call.
- ☐ Station A rings.
- ☐ Station A presses the REDIR Soft Key.
- ☐ REDIRECTING is displayed on Station A and the call immediately recalls to Station C.

PRIVACY

While Off-Hook

- ☐ Press **DND**. LED lights.
- ☐ Privacy feature prevents interruptions for the duration of the call.

```
PRIVACY SET
 4:26 PM    TUE 13  APR 2004
```

Using the Soft Key

- ☐ Press flashing **DND** Soft Key. “DND” flashes when set.
- ☐ Privacy feature prevents interruptions for the duration of the call.

```
PRIVACY SET
 4:26 PM    TUE 13  APR 2004
MIC                        >>>
```

To Cancel

- ☐ Press **DND**. LED goes out.

```
PRIVACY CANCEL
 4:26 PM    TUE 13  APR 2004
```

– Or –

- ☐ Replace handset. Privacy feature is automatically

cancelled.

Note: **DND** *must be programmed by the Telephony Server Admin. on a Programmable feature key.*

Using the Soft Key

☐ Press flashing **DND** Soft Key.

```
PRIVACY CANCEL
 4:26 PM   TUE 13  APR 2004
MIC DND                >>>
```

PRIVACY RELEASE

Example:

DT Series Station B is engaged in a conversation, and allows DT Series Station A to enter the call in progress.

☐ Station A lifts handset or presses Speaker key.
Station A presses the line appearance of Station B.
Warning tone is sent to the interrupted parties (optional).
A three-way conference is established.

```
CONF
 4:26 PM   TUE 13  APR 2004
```

Note: *Station A may also be a single-line station as long as it appears on the Station B DT Series.*

– Or –

Example:

DT Series Station A requests entrance into Station B's call in progress.

☐ Station A lifts handset or presses Speaker key.
☐ Station A presses the line appearance of Station B.

```
WAIT P-RLS?
 4:26 PM    TUE 13  APR 2004
```

☐ Station B LCD indicates as follows:

```
P-RLS?
 4:26 PM    TUE 13  APR 2004
```

☐ Station B may allow Station A to enter the conversation by pressing **P-RLS**.

☐ Warning tone is sent to the interrupted parties (optional).

☐ A three-way conference is established.

```
CONF
 4:26 PM    TUE 13  APR 2004
```

Note 1: *Station A can be a single-line station if it appears on the Station B DT Series.*

Note 2: *Up to six parties can break into a two-party conversation (additional devise is required).*

PHONEBOOK

There are two types of Phonebook: Local Phonebook and System Phonebook.

To Originate a Call from System Phonebook

The procedure shown below is available in System Phonebook.

Example: To Originate a Call to “NEC BNET”.

☐ Press **Pbook** Soft Key while Station is in Idle state.

```
4:26 PM   TUE 13  APR 2007
Pbook              MIC   DND
```

☐ Phonebook menu screen appears. Press **Sys** Soft Key.

```
Phonebook
Local      Sys          Cnl
```

☐ Enter the target name (in this example, ” NEC” is entered), then press **OK** Soft Key to perform a search.

```
Name:
NEC■
  →        Clr      OK    >>>
```

Note 1

☐ A result of the search is displayed. Press **UP** or **DOWN** Soft Key to scroll the result.

```
Name: NEC
NEC ABIKO
 UP    DOWN      OK    Cnl
```

☐ When “NEC BNET” appears, press **OK** Soft Key.

```
Name: NEC
NEC BNET
 UP    DOWN      OK    Cnl
```

☐ The registered Phonebook data for “NEC BNET” appears. From this screen, you can make a call by going off-hook or pressing Speaker key.

```
Name: NEC BNET
Number: XXXXXXXX
 More              Cnl
```

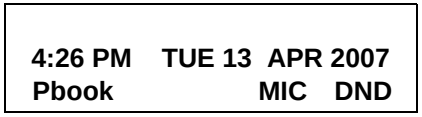
Note 2

To Register Name and Telephone Number in Local Phonebook

The procedure shown below is available in Local Phonebook.

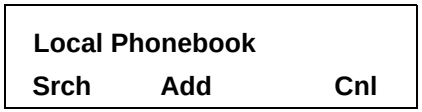
Example:
DT Series Station A registers “NEC BNET” as new name and its Telephone Number.

☐ Press **Pbook** Soft Key while Station is in Idle state.

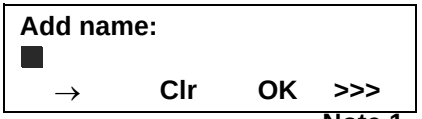


☐ Phonebook menu screen appears. Press **Local** Soft Key.

☐ Local Phonebook screen appears. Press **Add** Soft key.

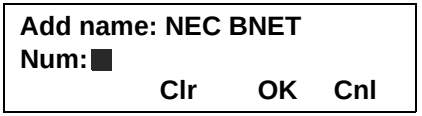


☐ Enter the name (in this example, “NEC BNET” is entered) and press **OK** Soft Key.



Note 1

☐ Enter the telpehone number and press **OK** Soft Key.



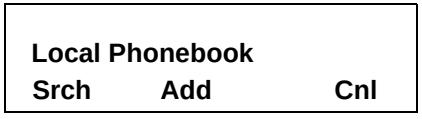
☐ “NEC BNET” and its telephone number has been added into Local Phonebook. Two seconds later, the display returns to Local Phonebook screen.

To Search for Name registered in Local Phonebook

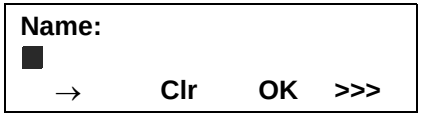
The procedure shown below is available in Local Phonebook.

Example: To Serach “NEC BNET” .

☐ While Local Phonebook screen is displayed, press **Srch** Soft Key. (If no data is registered in Local Phonebook, the message “Local phone book empty” appears.)

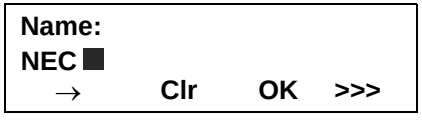


☐ Name Entry screen appears.



Note 1

☐ Enter the name (in this example, “NEC” is entered) and press **OK** Soft Key. (If no appropriate data exists, the message “Entry not found!” appears.)



☐ A result of the search is displayed. Press **UP** or **DOWN** Soft Key to scroll the result.

☐ When “NEC BNET” appears, press **OK** Soft Key.

☐ The registered data for “NEC BNET” appears. From this screen, you can make a call by going off-hook or pressing Speaker key.

Note 2

To Modify Name and Telephone Number in Local Phonebook

The procedure shown below is available in Local Phonebook.

Example:
To Modify Name “Takahashi” to “Takatu” and Telephone Number “0123456789” to “0123456712”.

☐ Press **>>>** Soft Key while the target Phonebook data is displayed.

```
Name: Takahashi
Number: 0123456789
 More    Prfi    Cnl    >>>
```

☐ Press **EDIT** Soft Key.

```
Name: Takahashi
Number: 0123456789
 <<<     EDIT    DEL
```

☐ Press **Clr** Soft Key firve times to erase “hashi”.

```
Edit Name:
Taka
   →     Clr     OK     >>>
```

Note 1

☐ Enter “tu” using Dial Key. Pressing → Soft Key moves the corsur. After the modification has completed, press **OK** Soft Key.

```
Edit Name:
Takatu
   →     Clr     OK     >>>
```

☐ Press **Clr** Soft Key twice to erase “89”.

```
Name: Takatu
Number: 01234567
          Clr     OK     Cnl
```

☐ Enter “12” and press **OK** Soft Key.

```
Name: Takatu
Number: 0123456712
          Clr     OK     Cnl
```

☐ The data modification has completed. Two seconds later, the display returns to Local Phonebook screen.

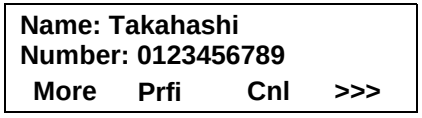
```
Entry edited!
```

To Delete a registered data from Local Phonebook

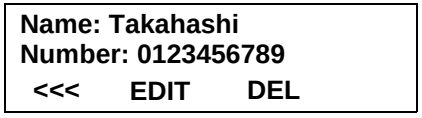
The procedure shown below is available in Local Phonebook.

Example: To Delete Phonebook data for “Takahashi”.

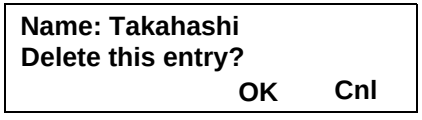
☐ Press **>>>** Soft Key while the target Phonebook data is displayed.



☐ Press **DEL** Soft Key.



☐ Press **OK** Soft Key to delete the currently displaying data.



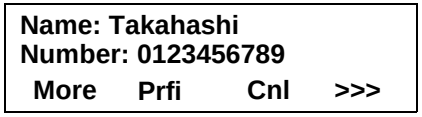
☐ The data deletion has completed. Two seconds later, the display returns to Name Entry screen.

To Add a Prefix to Telephone Number in Local Phonebook

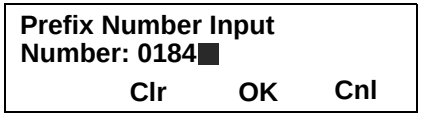
The procedure shown below is available in Local Phonebook.

Example:
To add a prefix “0184” in front of telephone number “0123456789”

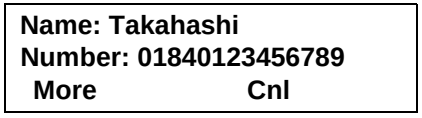
☐ Press **Prfi** Soft Key while the target Phonebook data is displayed.



☐ Enter a prefix (In this example, “0184” is entered) and press **OK** Soft Key.



☐ The prefix is added in front of the telephone number. Once the prefix is added, **Prfi** Soft Key will disappear.



Available Characters in Local Phonebook

The following tables show available characters in Local Phonebook.

- **In case of Uppercase character**

Digit Code	1	2	3	4	5	6	7	8	9	0	*	#
Character	.	A	D	G	J	M	P	T	W	SP	*	#
	,	B	E	H	K	N	Q	U	X	0		
	:	C	F	I	L	O	R	V	Y			
	!	À	É	4	5	Ñ	S	Ü	Z			
	?	Á	Ê			Ö	β	8	9			
	-	Â	3			6	7					
	+	Ã										
	%	Ä										
	&	Å										
	/	Æ										
	(	Ç										
	)	2										
	=											
	¿											
	¡											
	1											

SP: Blank Space

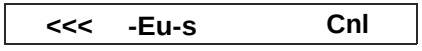
- **In case of Uppercase character**

Digit Code	1	2	3	4	5	6	7	8	9	0	*	#
Character	.	a	d	g	j	m	p	t	w	SP	*	#
	,	b	e	h	k	n	q	u	x	0		
	:	c	f	i	l	o	r	v	y			
	!	à	è	ì	5	ñ	s	ù	z			
	?	á	é	í		ò	β	ú	9			
	-	â	ê	î		ó	7	û				
	+	ä	ë	ï		ô		ü				
	%	å	3	4		õ		8				
	&	æ				ö						
	/	ç				6						
	(	2										
	)											
	=											
	¿											
	¡											
	1											

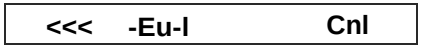
SP: Blank Space

Note 1: *If ">>>" Soft Key is pressed on this occasion, character type can be changed.*

(Lower-case character)



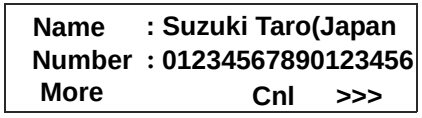
(Upper-case character)



Note 2:

"More" Soft Key appears in Phonebook data screen when the number of characters (name) or digits(telephone number) are exceeding displayable limit (Up to 17 characters or digits can be displayed at a time). If the name or telephone number exceeds the displayable limit, press "More" Soft Key to display the last 17 characters/ digits of the name/telephone number.

Example:
Name Suziki Taro(JapanSumida) ← 24 characters
Number: 01234567890123456789 ← 20 digits



(Display area)
Name: Suzuki Taro(JapanSumida)
Number: 01234567890123456789

(Display area)
Name: Suzuki Taro(JapanSumida)
Number: 0123456789012345678 9

6. DIRECTORY OPERATION

This chapter explains about Directory function of DT730 Series. By using Direcoty function, the user can make a call with simple operation.

Directory function can register up to 500 entries. The user can add/view/edit/delete these entries.

- TO ADD NEW DATA
- TO CHANGE GROUP NAME
- TO FIND A REGISTERED DATA
- TO MAKE A CALL FROM DIRECTORY
- TO ADD PREFIX TO NUMBER
- TO EDIT DIRECTORY DATA
- TO DELETE ALL DATA
- TO DELETE A SPECIFIC DATA

TO ADD NEW DATA

TIP: *A maximum of 500 entries can be registered in Directory.*

STEP 1: While indicating the current time on LCD, press Menu key to open the **Menu** screen.

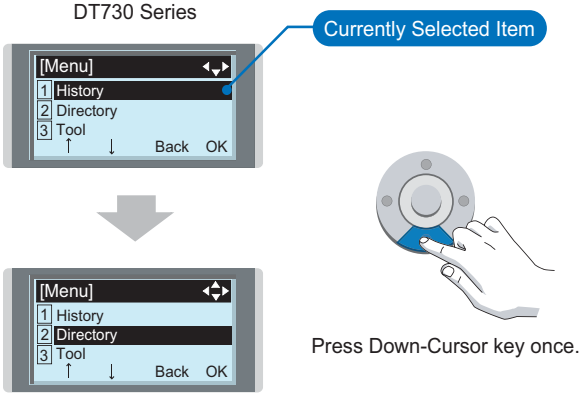
OR

Press (**Directory**) key. The **Directory** screen shown at STEP 3 can be directly displayed.

TIP: *Directory feature is available for DT730 Series only. DT710/DT330/DT310 Series does not support the directory feature.*

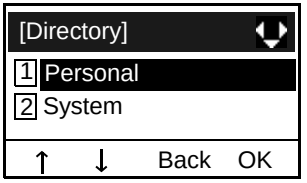
TIP: *On the Menu screen, use or ↑/↓ soft key to move the cursor up/down a line.*

DT730 Series



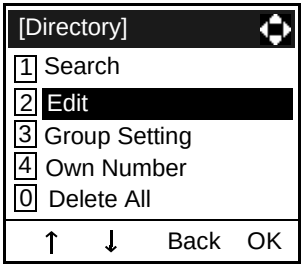
STEP 2: Select 2 **Directory** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)

STEP 3: Select 1 **Personal** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)

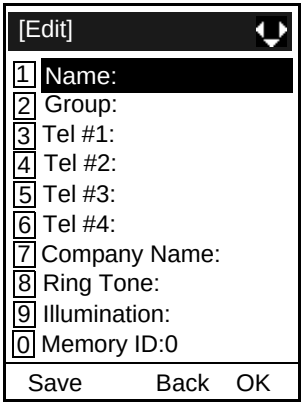


TIP: *When using Phonebook feature is disabled, this screen will not be displayed. In that case, skip this step.*

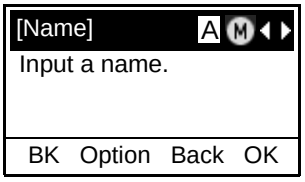
STEP 4: Select 2 **Edit** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



STEP 5: The following Edit screnn appears. Select 1 **Name** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



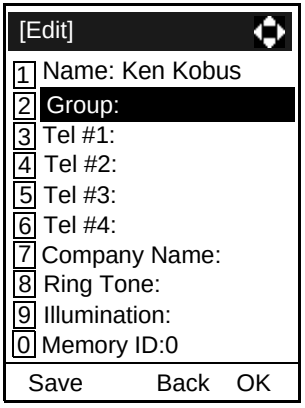
STEP 6: Enter a name to be registered in directory. After entering the name, press (**Enter**) or **OK** soft key.



TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4.*

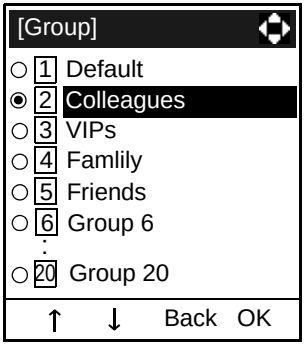
TIP: *Up to 32 charancters can be entered as a name.*

STEP 7: The display goes back to the **Edit** screen. Select 2 **Group** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



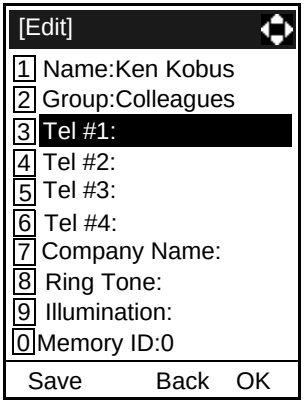
STEP 8: Press (**Enter**) or **OK** soft key while a desired group is highlighted, or press a digit key corresponding to the desired group.

In this example, 2 **Colleagues** is selected.

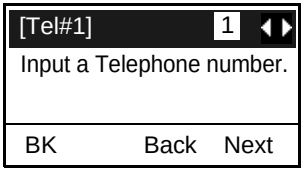


TIP: *Each group name can be changed from the Group Setting screen. For details, see TO CHANGE GROUP NAME.*

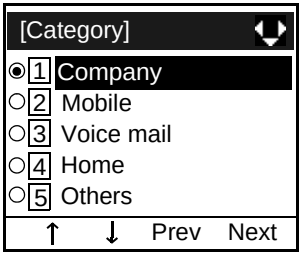
STEP 9: Select 3 **Tel #1** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



STEP 10: Enter a telephone number to be registered in directory. After entering the telephone number, press (**Enter**) or **Next** soft key.



STEP 11: The **Category** screen is displayed. Select a Category to which the entered telephone number belongs. In this example, 1 **Company** is selected.



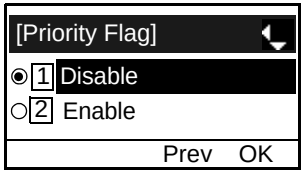
Selectable categories are as follows:

Category	ICON
Company	
Mobile	

Category	ICON
Voice Mail	VM
Home	
Other	etc

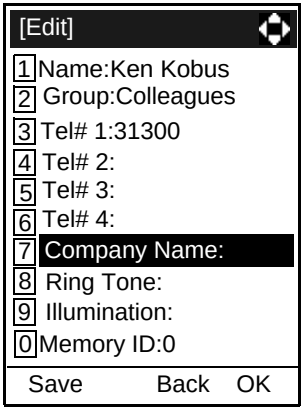
After a Category is selected, press (**Enter**) or **Next** soft key.

STEP 12:Select either 1 **Disable** or 2 **Enable** and then (**Enter**) or **OK** soft key.

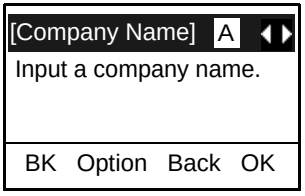


STEP 13:The display goes back to the **Edit** screen again. Select 7 **Company Name** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 7 key.)

TIP: *A maximum of four telephone numbers can be set to an entry. If two or more telephone numbers are required to be set, set the remaining telephone numbers to Tel #2 - Tel #4.*



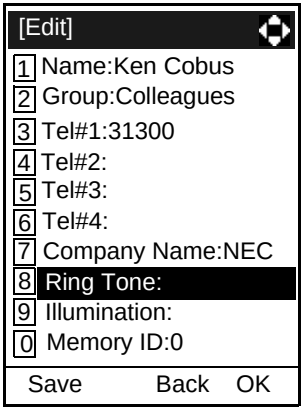
STEP 14:Enter a company name, then press (**Enter**) or **OK** soft key.



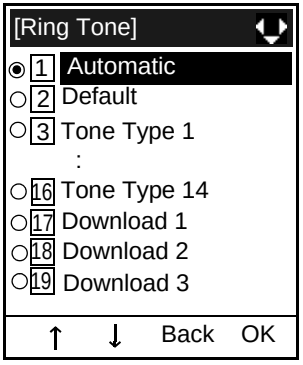
TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4.*

TIP: *Up to 32 charancters can be entered as a company name.*

STEP 15:The display goes back to the **Edit** screen. Select 8 **Ring Tone** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 8 key.)



STEP 16:Select a desired Ringing Tone and then press (**Enter**) or **OK** soft key.



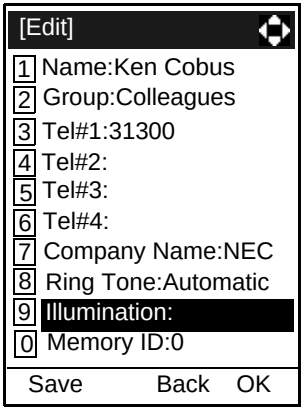
TIP: *For details on each ringer tone type, see TO SET RINGER TONE in chapter 3.*

TIP: *The user can set ringer tone for calls routed to the specified name (calling party) here. Ringer Tone type can be set for "Name", "Group" and "Telephone set". The ringer Tone type set for "Name" has higer priority than the types set for "Group" and "Terminal set".*

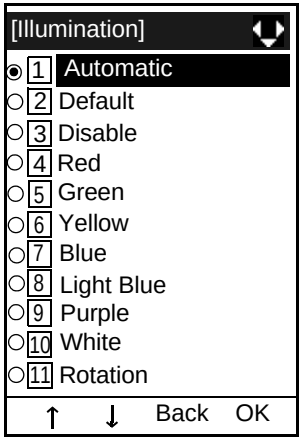
TIP: *If the Ring Tone setting is not performed, "1 Automatic" is applied.*

TIP: *When **1 Automatic** or **2 Default** is selected, the setting for "Group" or "Telephone Set" is applied.*

STEP 17:The display goes back to the **Edit** screen. Select **9 Illumination** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press **9** key.)



STEP 18:Press (**Enter**) or **OK** soft key while a desired color of the Call Indication lamp is highlighted.

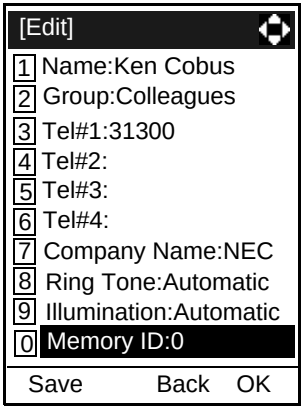


TIP: *The user can set illumination type for calls routed to the specified name (calling party) here. Illumination type can be set for "Name", "Group" and "Telephone set". The illumination type set for "Name" has higer priority than the types set for "Group" and "Terminal set".*

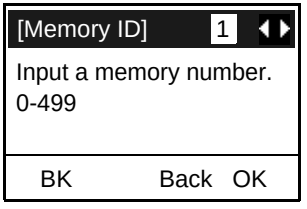
TIP: *If the illumination setting is not performed, **1 Automatic** is applied.*

TIP: *When **1 Automatic** or **2 Default** is selected, the setting for "Group" or "Telephone Set" is applied.*

STEP 19: The display goes back to the **Edit** screen. Select **0 Memory ID** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press **0** key.)



STEP 20: Enter a desired Memory Number (0 - 499), then press (**Enter**) or **OK** soft key.



TIP: *A maximum of 500 Memory IDs can be registered. If multiple telephone numbers are assigned to a Memory ID, the user may not register up to 500 Memory IDs.*

TIP: *If Memory ID setting is not performed, a number is automatically set in ascending numeric order.*

STEP 21: When the display goes back to the **Edit**

screen, press **Save** soft key to save the assigned data.

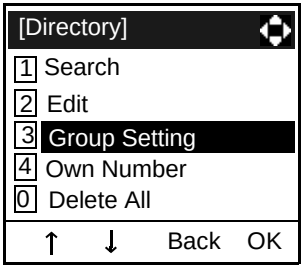
STEP 22:"The data is registered at memory numbe:XX" is displayed. Press (**Enter**) key or **OK** soft key. The display returns to the **Directory** screen.

TIP: *If a duplicate Memory ID is entered, "It will overwrite a data at memory number:XX" will appear. If you do not overwrite the Memory ID, press **Back** soft key. If you ovwerwrite the Memory ID, press* *(**Enter**) or **Call** soft key.*

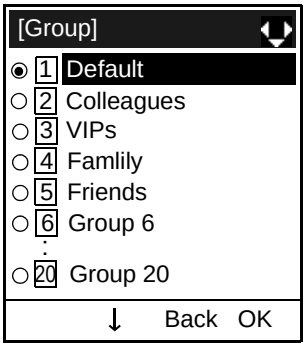
TO CHANGE GROUP NAME

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

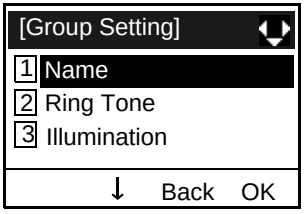
STEP 2: On the **Directory** screen, select 3 **Group Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



STEP 3: Select a group name to be changed and then press (**Enter**) or **OK** soft key.
In this example, 1 **Default** is selected.

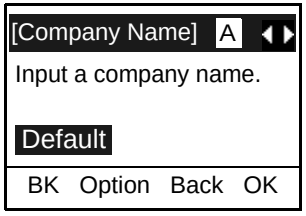


STEP 4: Select 1 **Name** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



TIP: *The user can set ringer tone (→ select 2 Ring Tone) and illumination types (→ select 3 Illumination) for calls routed to the specified group here. Ringer tone and illumination types can be set for "Name", "Group" and "Telephone set". The ringer tone and illumination types set for "Name" have higher priority than the types set for Group and Telephone set. Also, the ringer tone and illumination types for Group have higher priority than the types set for Terminal set.*

STEP 5: Enter a new group name and then press (**Enter**) or **OK** soft key.



TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4.*

TIP: *Up to 32 charancters can be entered as a group-name.*

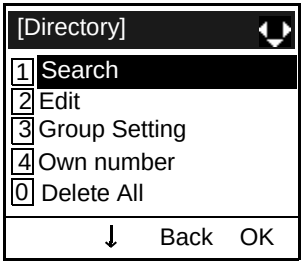
STEP 6: Display returns to the **Group** screen. Make sure that the new group name takes effect.

TO FIND A REGISTERED DATA

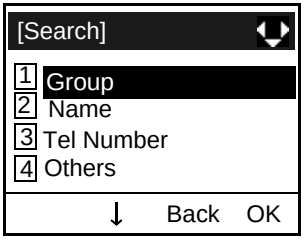
- **To Search by Group Name**

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

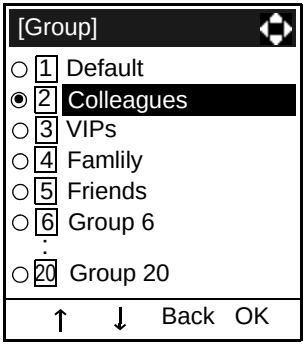
STEP 2: On the Directory screen, select 1 **Search** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



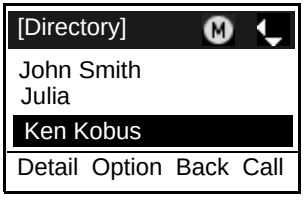
STEP 3: Select 1 **Group** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



STEP 4: Select a target group and then press (**Enter**) or **OK** soft key. In this example, 2 **Colleagues** is selected.



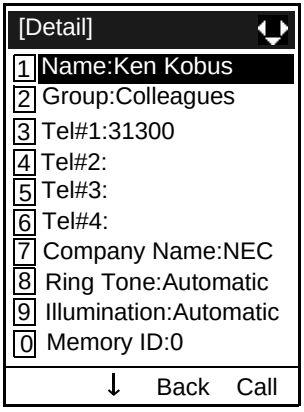
STEP 5: The names belonging to the selected group are displayed in alphabetical order.



TIP: *When pressing (**Enter**) or **Call** soft key, a call is originated to the selected party.*

TIP: *If no entry is set to the selected group, "No data" is issued.*

STEP 6: To display the detailed data for a specific name, press **Detail** soft key while the name is highlighted.



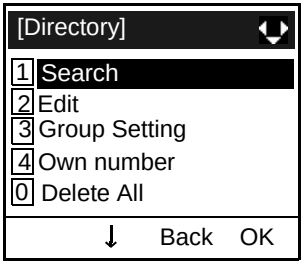
TIP: *To go back to the formaer screen, press (**Left-cursor**) or **Back** soft key.*

TIP: *When pressing (**Enter**) or **Call** soft key while the above screen is displayed, a call is originated to the target party.*

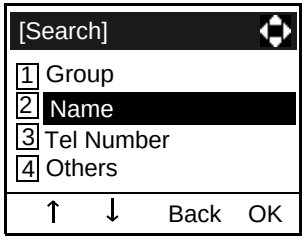
- **To Search by Name**

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

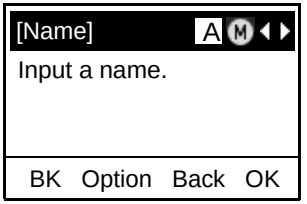
STEP 2: Select 1 **Search** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



STEP 3: Select 2 **Name** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



STEP 4: Enter a target name. After entering the name, Press (**Enter**) or **OK** soft key.



TIP: *A distinction is made between upper case and lower case characters. For example, "Ken Kobus" and "ken kobus" are distinguished as different character strings.*

TIP: *A blank space is also distinguished while searching database for a name.*

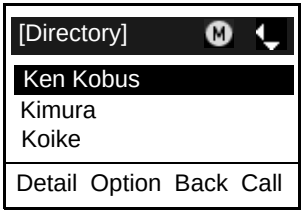
TIP: *Even if the name is not entered to the end, the user can search for a name.*

TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4.*

TIP: *If there is no entry corresponding to the entered name, "No data" is issued.*

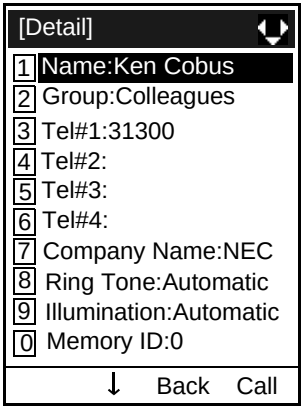
TIP: *Up to 32 charancters can be entered as a company name.*

STEP 5: The list of applicable names will be displayed.



TIP: *When pressing (**Enter**) or **Call** soft key, a call is originated to the selected party.*

STEP 6: To display the detailed data for a specific name, press **Detail** soft key while the name is highlighted.



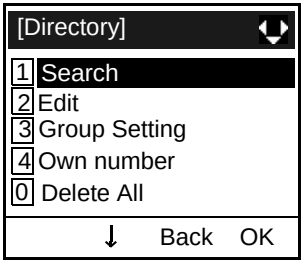
TIP: *To go back to the formaer screen, press (**Left-cursor**) or **Back** soft key.*

TIP: *When pressing (**Enter**) or **Call** soft key while the above screen is displayed, a call is originated to the target party.*

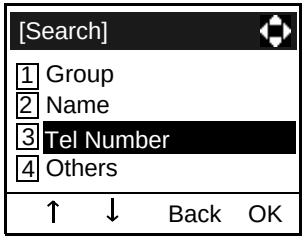
- **To Search by Telephone Number**

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

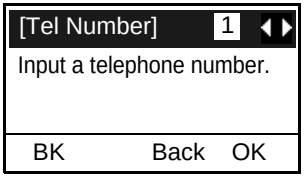
STEP 2: Select 1 **Search** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



STEP 3: Select 3 **Tel Number** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)

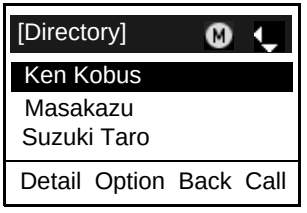


STEP 4: Enter a target telephone number. After entering the number, press (**Enter**) or **OK** soft key



TIP: *Even if the telephone number is not entered to the end, the user can search for a telephone number.*

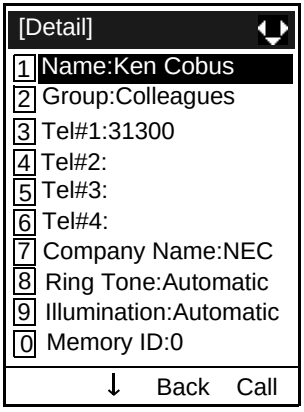
STEP 5: The list of applicable names will be displayed.



TIP: *When pressing (**Enter**) or **Call** soft key, a call is originated to the selected party.*

TIP: *If there is no entry corresponding to the entered name, "No data" is issued.*

STEP 6: To display the detailed data for a specific name, press **Detail** soft key while the name is highlighted.



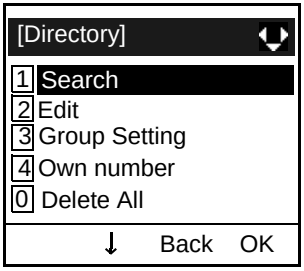
TIP: *To go back to the formaer screen, press (**Left-cursor**) or **Back** soft key.*

TIP: *When pressing (**Enter**) or **Call** soft key while the above screen is displayed, a call is originated to the target party.*

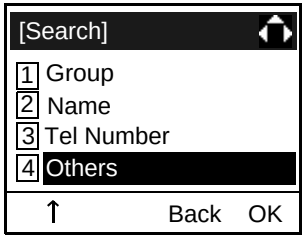
- **To Search by Memory ID**

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

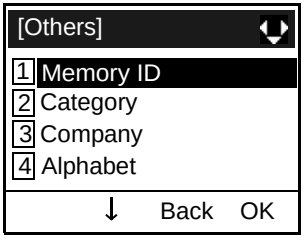
STEP 2: Select 1 **Search** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



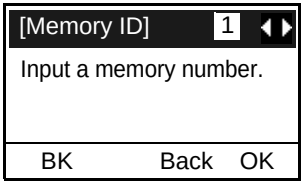
STEP 3: Select 4 **Others** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



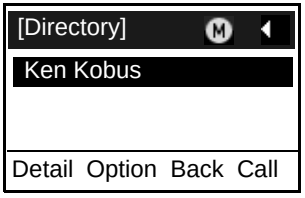
STEP 4: Select 1 **Memory ID** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



STEP 5: Enter a memory number (0-499) and then press (**Enter**) or **OK** soft key.



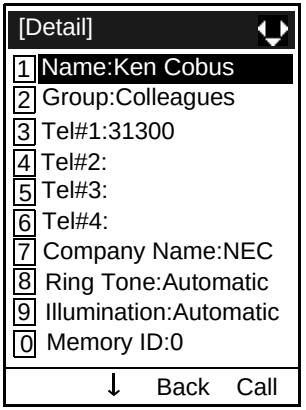
STEP 6: The name of appropriate party will be displayed.



TIP: *When pressing (**Enter**) or **Call** soft key, a call is originated to the selected party.*

TIP: *If there is no entry corresponding to the entered name, "No data" is issued.*

STEP 7: To display the detailed data for a specific name, press **Detail** soft key while the name is highlighted.



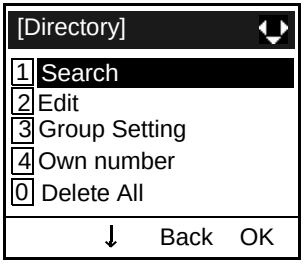
TIP: *To go back to the formaer screen, press (**Left-cursor**) or **Back** soft key.*

TIP: *When pressing (**Enter**) or **Call** soft key while the above screen is displayed, a call is originated to the target party.*

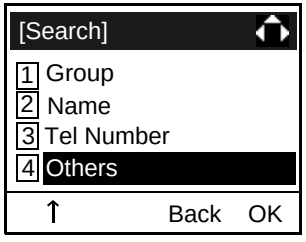
- **To Search by Category**

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

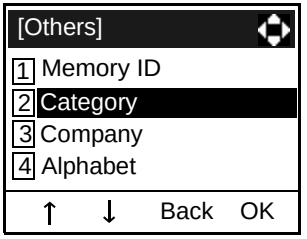
STEP 2: Select 1 **Search** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



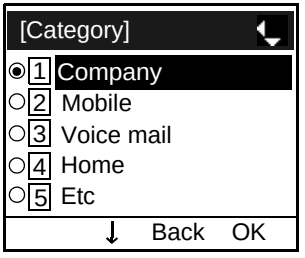
STEP 3: Select 4 **Others** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



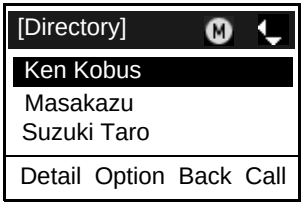
STEP 4: Select 2 **Category** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.).



STEP 5: Select a desired category from the list and then press (**Enter**) or **OK** soft key.



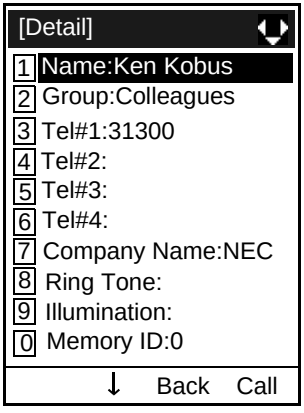
STEP 6: The list of applicable names will be displayed.



TIP: *When pressing (**Enter**) or **Call** soft key, a call is originated to the selected party.*

TIP: *If there is no entry corresponding to the entered name, "No data" is issued.*

STEP 7: To display the detailed data for a specific name, press **Detail** soft key while the name is highlighted.



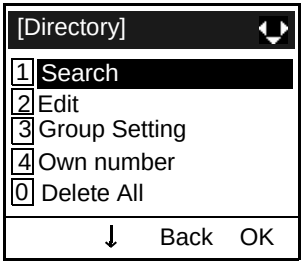
TIP: *To go back to the formaer screen, press (**Left-cursor**) or **Back** soft key.*

TIP: *When pressing (**Enter**) or **Call** soft key while the above screen is displayed, a call is originated to the target party.*

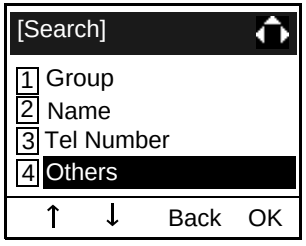
- **To Search by Company Name**

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

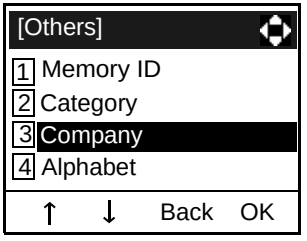
STEP 2: Select 1 **Search** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



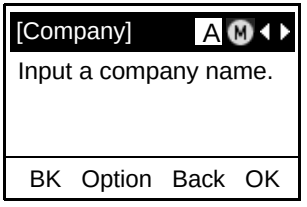
STEP 3: Select 4 **Others** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



STEP 4: Select 3 **Company** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



STEP 5: Enter a company name. After entering the name, Press (**Enter**) or **OK** soft key.



TIP: *A distinction is made between upper case and lower case characters. For example, "Ken Kobus" and "ken kobus" are distinguished as different character strings.*

TIP: *A blank space is also distinguished while searching database for a name.*

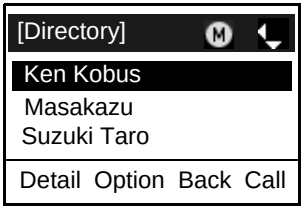
TIP: *Even if the name is not entered to the end, the user can search for a name.*

TIP: *For details on character entry method, see HOW TO INPUT CHARACTERS in chapter 4.*

TIP: *Up tp 32 charancters can be entered as a company name.*

STEP 6: The list of applicable names will be dis-

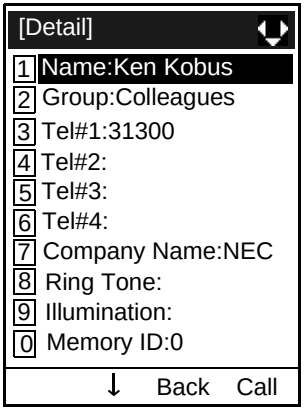
played.



TIP: *When pressing (**Enter**) or **Call** soft key, a call is originated to the selected party.*

TIP: *If there is no entry corresponding to the entered name, "No data" is issued.*

STEP 7: To display the detailed data for a specific name, press **Detail** soft key while the name is highlighted.



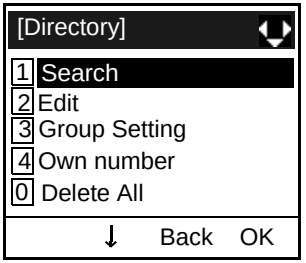
TIP: *To go back to the formaer screen, press (**Left-cursor**) or **Back** soft key.*

TIP: *When pressing (**Enter**) or **Call** soft key while the above screen is displayed, a call is originated to the target party.*

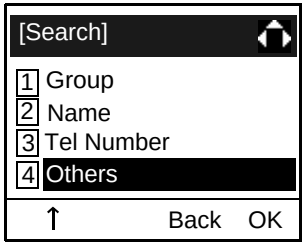
- **To Search by Alphabet**

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

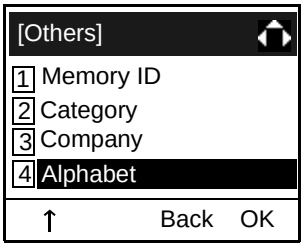
STEP 2: Select 1 **Search** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



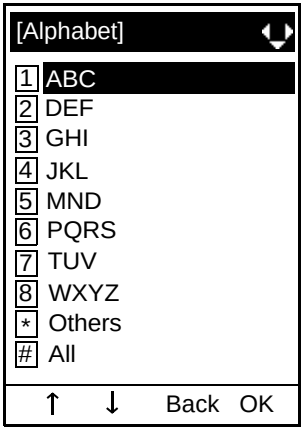
STEP 3: Select 4 **Others** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



STEP 4: Select 4 **Alphabet** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)

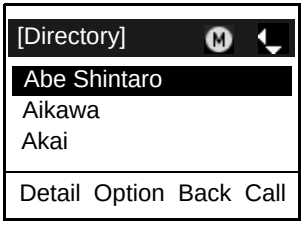


STEP 5: Select **a desired group of alphabets** and then press (**Enter**) or **OK** soft key.



TIP: *Select *** Others** to find names which begin with a character other than alphabet such as numerics or symbols.*

STEP 6: The list of applicable names will be displayed.



TIP: *When pressing (**Enter**) or **Call** soft key, a call is originated to the selected party.*

TIP: *If there is no entry corresponding to the entered name, "No data" is issued.*

STEP 7: To display the detailed data for a specific name, press **Detail** soft key while the name is highlighted.

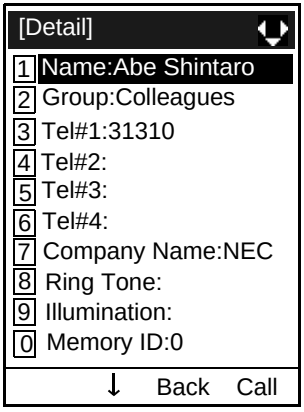
TIP: *To go back to the formaer screen, press (**Left-cursor**) or **Back** soft key.*

TIP: *When pressing (**Enter**) or **Call** soft key while the above screen is displayed, a call is originated to the target party.*

TO MAKE A CALL FROM DIRECTORY

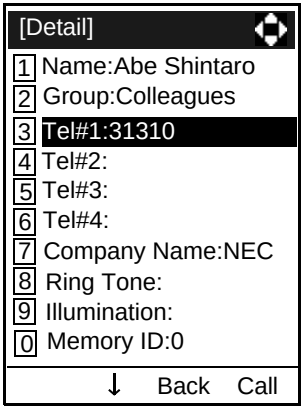
(CASE 1)

STEP 1: Display the detailed data for a target party (see TO FIND A REGISTERED DATA).



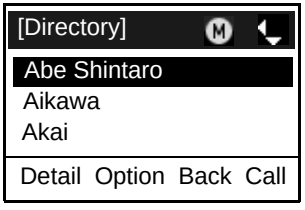
STEP 2: Select a target telephone number and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press the appropriate digit key.)

In this example, select 3 **Tel #1:31310** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 3 key.)



(CASE 2)

STEP 1: Display the list of applicable names and then select a target name (see TO FIND A REGISTERED DATA).



STEP 2: Press (**Enter**) key or **Call** soft key to make a call to the displayed party.

TIP: *If multiple telephone numbers are registered to a target party, a call is mede to the first telephone number.*

TO ADD PREFIX TO NUMBER

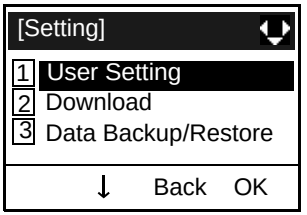
- **To Set Prefix**

  When making a call, a prefix can be added to telephone numbers to be dialed. Prefixes need to be set in advance.

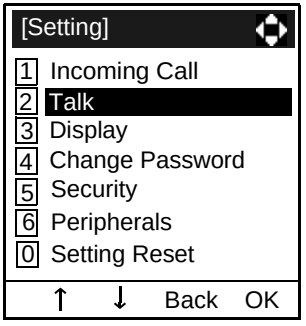
STEP 1: While indicating the current time on LCD, press Menu Key to open the **Menu** screen.

STEP 2: On the Menu screen, select 5 **Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)

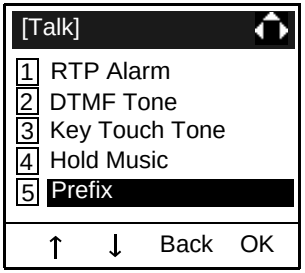
STEP 3: Select 1 **User Setting** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



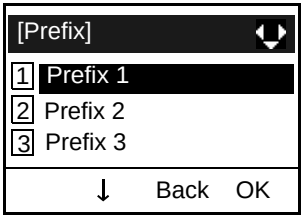
STEP 4: Select 2 **Prefix** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



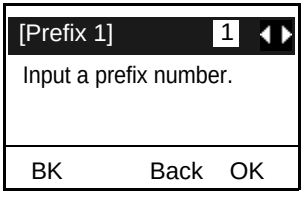
STEP 5: Select 5 **Prefix** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 5 key.)



STEP 6: Select 1 **Prefix 1** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



STEP 7: Enter a prefix by using the digit keys. After entering the prefix, press (**Enter**) or **OK** soft key.



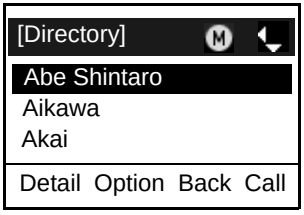
STEP 8: The display goes back the Prefix screen at STEP 5. If multiple prefixes need to be set, repeat STEP 5 and STEP 6. In that case, select 2 **Prefix 2** and 3 **Prefix 3**.

TIP: *A maximum of 10 digits (0-9, * and #) can be set as a prefix.*

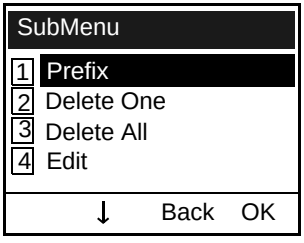
TIP: *When prefix is added, up to 32 digits including the prefix can be sent as dial number.*

- **To Add Prefix When Making A Call**

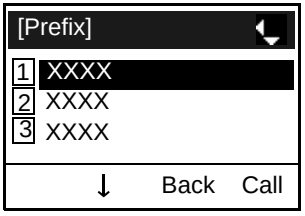
STEP 1: Display the list of applicable names (see TO FIND A REGISTERED DATA). Select a target name by pressing (**Up/Down-cursor**) key and then press **Option** soft key.



STEP 2: Select 1 **Prefix** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)

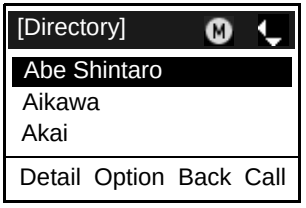


STEP 3: Predetermined prefixes are displyed. Select a prefix and then press (**Enter**) or **OK** soft key to make a call.

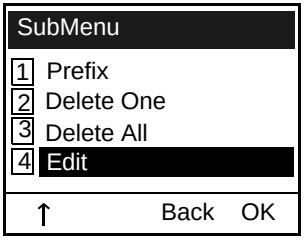


TO EDIT DIRECTORY DATA

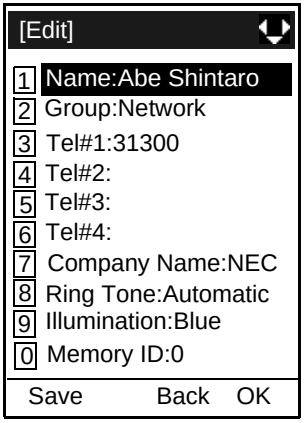
STEP 1: Display the list of applicable names (see TO FIND A REGISTERED DATA).
Select a name which needs to be modified and then press **Option** soft key.



STEP 2: Select 4 **Edit** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



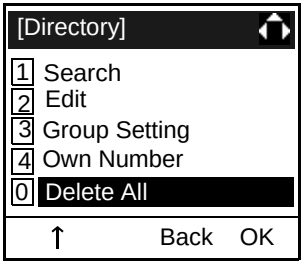
STEP 3: On the Edit screen, the detailed data for the selected name is displayed. Modify the necessary data by referring to TO ADD NEW DATA. After the data modification is complete, press **Save** soft key on the Edit screen.



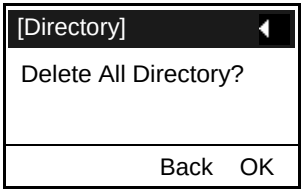
TO DELETE ALL DATA

STEP 1: Open the **Directory** screen (see TO ADD NEW DATA).

STEP 2: Select **0 Delete All** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press **0** key.)

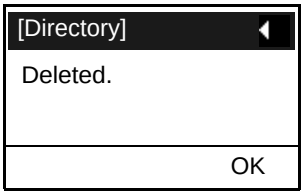


STEP 3: To delete all the registered data, press (**Enter**) or **OK** soft key to delete all the data.



TIP: *To cancel the data deletion, press (**Left-cursor**) or **Back** soft key.*

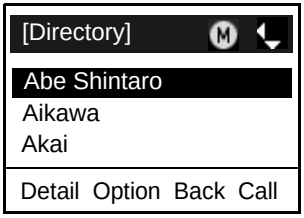
STEP 4: After all the directory data is deleted, the display changes as follows:



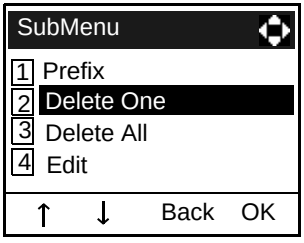
STEP 5: Press (**Enter**) or **OK** soft key.

TO DELETE A SPECIFIC DATA

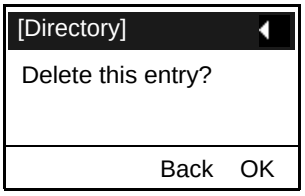
STEP 1: Display the list of applicable names (see TO FIND A REGISTERED DATA).
On the following screen, select a name to be deleted by pressing (**Up/Down-cursor**) key and then press **Option** soft key.



STEP 2: The following Sub Menu is displayed. Select 2 **Delete One** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)

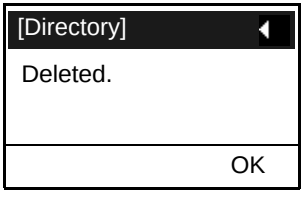


STEP 3: The following confirmation message appears. Press (**Enter**) or **OK** soft key to delete the appropriate directory data.



TIP: *To cancel the data deletion, press (**Left-cursor**) or **Back** soft key.*

STEP 4: After the appropriate directory data is deleted, the display changes as follows:



STEP 5: Press (**Enter**) or **OK** soft key.

7. CALL HISTORY OPERATION

7.1 DIRECTORY OPERATION FOR DT730 SERIES

This chapter explains about Call History feature of DT Series. By using Call History, the user can make a call with simple operation.

Call History feature allows the telephone to register up to 50 records (for DT730 Series)/10 records (for DT330 Series) into its memory. If exceeding 50 records/10 records, a record will be deleted in order of occurrence.

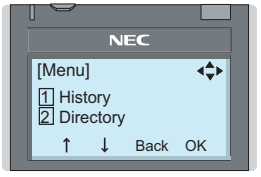
- TO VIEW CALL HISTORY
- TO MAKE A CALL FROM CALL HISTORY
- TO ADD CALL HISTORY DATA TO DIRECTORY
- TO EDIT DIRECTORY DATA FROM CALL HISTORY
- TO DELETE ALL DATA
- TO DELETE A SPECIFIC DATA

TO VIEW CALL HISTORY

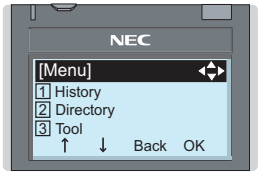
STEP 1: While indicating the current time on LCD, press Menu key to open the **Menu** screen.

TIP: *This fearture is DT730 Series and DT330 Series. The following are examples of LCD displays of DT730 Series and DT330 Series.*

DT330 Series



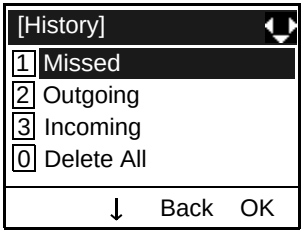
DT730 Series



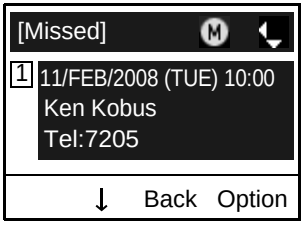
STEP 2: Select 1 **History** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)

STEP 3: Select a kind of calls and then press (**Enter**), (**Right-cursor**) or **OK** soft key. In this example, 1 **Missed** is selected.

Item	Description
Missed	Display the history of missed calls.
Outgoing	Display the history of outgoing calls.
Incoming	Display the history of incoming calls.



STEP 4: The history data of the last call is displayed.



TIP: *If two or more records exist, use or ↑/↓ soft key to display the next/former records.*

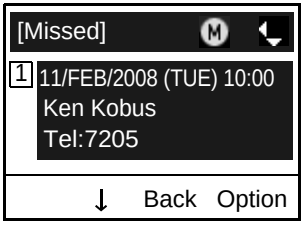
TIP: *If no history data is saved, "No data" will be displayed on LCD.*

TIP: *To go back to former menu (STEP 3), press or **Back** soft key.*

TO MAKE A CALL FROM CALL HISTORY

(CASE 1)

STEP 1: Display the call history data of the target telephone number (see TO VIEW CALL HISTORY). The following is an example when the history data of a missed call is displayed.

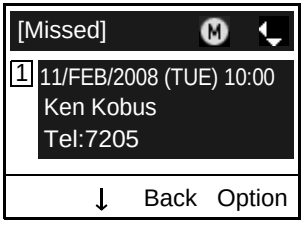


STEP 2: Press (**Enter**) key while displaying the history data for the target telephone number on LCD.

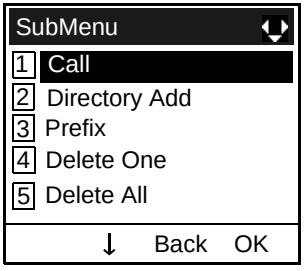
TIP: *While the history data is displayed, the user cannot make a call by dialing a telephone number.*

(CASE 2)

STEP 1: Display the call history data of the target telephone number (see TO VIEW CALL HISTORY). The following is an example when the history data of a missed call is displayed.



STEP 2: On the above screen, press **Option** soft key to display the following Sub Menu.

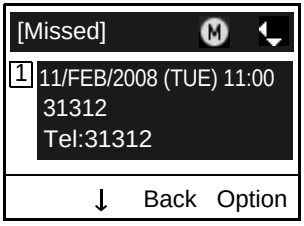


STEP 3: Select 1 **Call** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)

TIP: *When making a call from Call Hisotry, a prefix can be added to the dial number. In that case, select **3 Prefix** on the SubMenu (indicated at STEP 2 of CASE 2) to display the Prefix screen. On the Prefix screen, choose a prefix to be added to the dial number. Also, prefixes need to be set in advance. For details on setting of prefix, see TO ADD PREFIX TO NUMBER in Chapter 6 Directory Operation.*

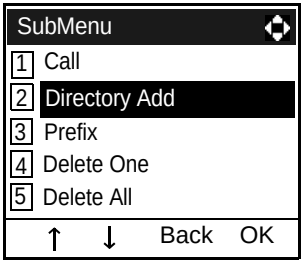
TO ADD CALL HISTORY DATA TO DIRECTORY

STEP 1: Display the call history data of the target telephone number (see TO VIEW CALL HISTORY). The following is an example when the history data of a missed call is displayed.

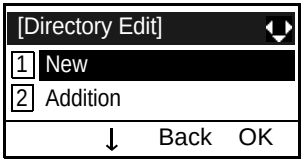


Press **Option** soft key while displaying the call history data for the target telephone number.

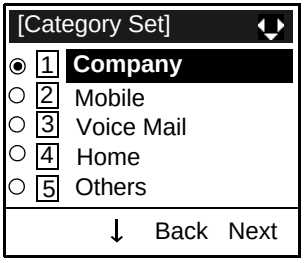
STEP 2: The following Sub Menu is displayed. Select 2 **Directory Add** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)



STEP 3: Select 1 **New** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)



STEP 4: Select a category (in this example, 1 **Company** is selected) and then press (**Enter**) or **Next** soft Key.

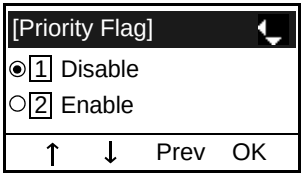


Selectable categories are as follows:

Category	ICON
Company	
Mobile	
Voice Mail	

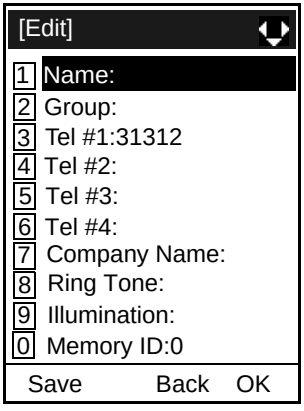
Category	ICON
Home	
Others	etc

STEP 5: Select either [1] **Disable** or [2] **Enable** and then press (**Enter**) or **OK** soft key.



STEP 6: The following **Edit** screen is displayed.

See "TO ADD NEW DATA" in Chapter 6 Directory Operation, and register detailed data (such as name, group, etc) to directory.

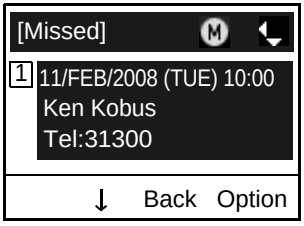


TIP: *If the no corresponding data is stored in the directory, only the telephone number will be displayed as Tel #1.*

TIP: *If the corresponding data has already stored in the directory, the detailed data (such as name group, etc.) is displayed.*

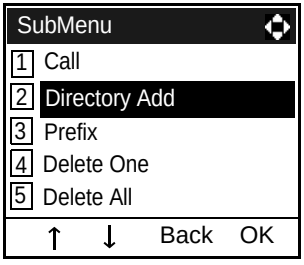
TO EDIT DIRECTORY DATA FROM CALL HISTORY

STEP 1: Display the call history data of the target telephone number (see TO VIEW CALL HISTORY). The following is an example when the history data of a missed call is displayed.

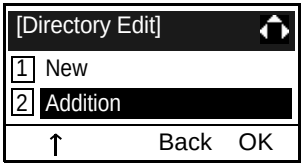


Press **Option** soft key while displaying the call history data for the target telephone number.

STEP 2: The following Sub Menu is displayed. Select 2 **Directory Add** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)

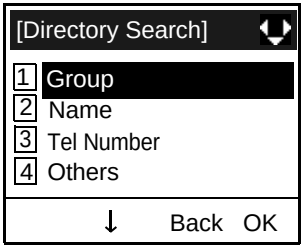


STEP 3: Select 2 **Addition** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 2 key.)

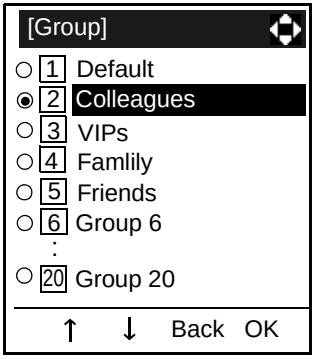


STEP 4: Select a search method and then press (**Enter**) or **OK** soft key. See TO FIND A REGISTERED DATA for the procedure of the searching method.

In this example, 1 **Group** is selected as a search method.

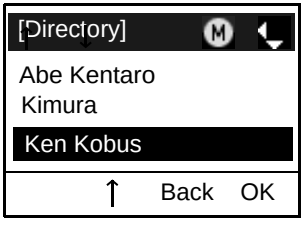


STEP 5: Select a group and then press (**Enter**) or **OK** soft key. In this example, 2 **Colleagues** is selected.

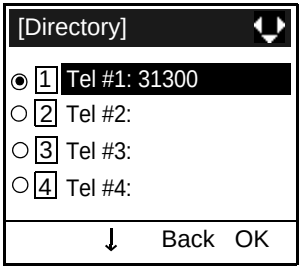


STEP 6: The names belonging to Colleagues are displayed as the following example.

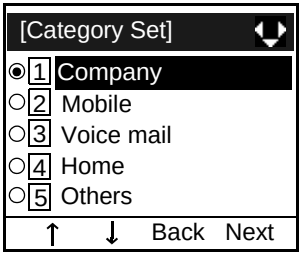
Select a name and then press (**Enter**) or **OK** soft key.



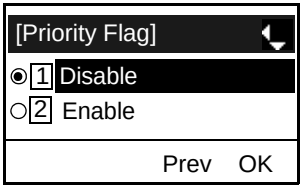
STEP 7: Select a registration destination and then press (**Enter**) or **OK** soft key.



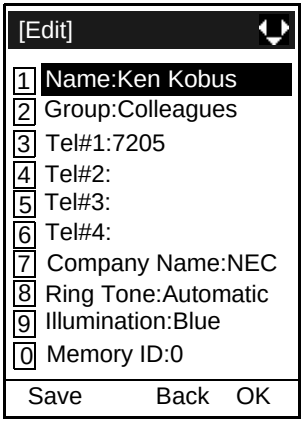
STEP 8: The **Category Set** screen is displayed. Select a Category to which the telephone number belongs. Then, press (**Enter**) or **OK** soft key.



STEP 9: Select either **1** **Disable** or **2** **Enable** and then press (**Enter**) or **OK** soft key.



STEP 10: The display moves to the **Edit** screen of Directory. The existing data is displayed on the **Edit** sceen. See TO EDIT DIRECTORY DATA in chapter 6 Directory Operation, and edit the data as necessary.

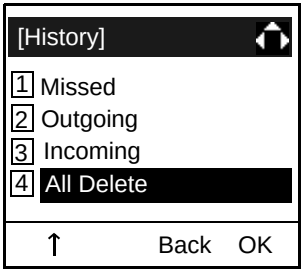


TO DELETE ALL DATA

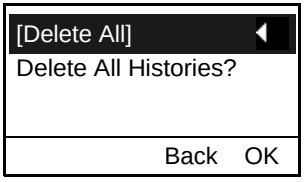
STEP 1: While indicating the current time on LCD, press Menu Key to open the **Menu** screen.

STEP 2: Select 1 **Hisotry** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 1 key.)

STEP 3: Select 4 **All Delete** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)

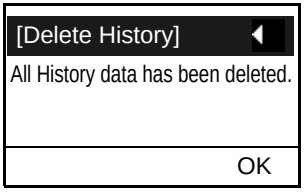


STEP 4: The following confirmation message appears. Press (**Enter**) or **OK** soft key to delete all the data.



TIP: *To cancel the data deletion, press (**Left-cursor**) or **Back** soft key.*

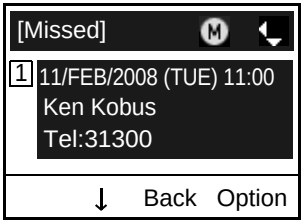
STEP 5: After all history data is deleted, the display changes as follows:



STEP 6: Press (**Enter**) or **OK** soft key.

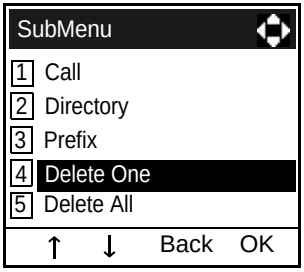
TO DELETE A SPECIFIC DATA

STEP 1: Display the call history data of the target telephone number referring to TO VIEW CALL HISTORY. The following is an example when the history data of missed call is displayed.

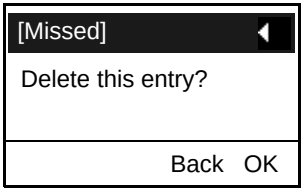


Press **Option** soft key while displaying the call history data for the target telephone number.

STEP 2: The following Sub Menu is displayed. Select 4 **Delete One** and then press (**Enter**), (**Right-cursor**) or **OK** soft key. (or press 4 key.)



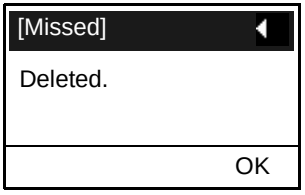
STEP 3: The following confirmation message appears. Press (**Enter**) or **OK** soft key to delete the appropriate history data.



TIP: *To cancel the data deletion, press (**Left-cursor**) or **Back** soft key.*

TIP: *By selecting **5 Delete All**, all records of missed call can be deleted.*

STEP 4: After the appropriate call historyhistory data is deleted, the display changes as follows:



STEP 5: Press (**Enter**) or **OK** soft key.

7.2 DIRECTORY OPERATION FOR DT330 SERIES

8. SPECIFICATIONS

TECHINICAL SPECIFICATIONS

The following shows the techinical specifications of DT 300 Series.

Telephone Type	8LD	32D	24D/12D	6DE	2E
Display (LCD)	87 × 43mm, 168 × 58 dot matrix, 28-digit 4-line * 8LD has two LCDs.			90 × 28mm, 24-digit × 3-line	None
Display Color	Monochrome (with no shades of gray)				-
Character on LCD	Characters supported by Multilingual Display				-
Programmable Key	Key data is displays on LCD. 32 (8 X 4) Keys	32/24/12 Keys [2-color (red and green) LED]		6 Keys [2-color (red and green) LED]	2 Keys
Fixed Feature Key	10 keys(with Menu/Cursor button)			12 Keys	12 Keys
Backlight	Display and Digit Key (lit for 10 seconds when operating) *For 32D/24D/12D, Display Backlight is optional.			None	
Soft Key	4 Keys				None
Call History	Outgoing Call: 10 record, Incoming Call: 10 records			None	
Hands-free	Standard equipment (Full-duplex)			Standard equipment (Half-duplex)	
Headset	Available			Not available	
Center Power Supply: Length of Line	900m (0.5ϕ)			1200m (0.5ϕ)	
Local Power Supply: Length of Line	If using AC adapter (AC-2R UNIT: optional): 1200m (0.5ϕ)			None	
Power Consumption	2.2 [W]			1.2 [W]	
Adapter (optional)	Recording Unit (ADA)/Analog Port Unit (APR)/Wall-mounting kit (WM)/Digit-key Set Unit/Side pannel			Side pannel	
Color	Black/White			Black	
Dimension (W×D×H)	179(W) × 248.7(D) × 111.7(H) [mm]			179(W) × 257(D) × 112(H) [mm]	
Weight	1.3 kg	1.2 kg	1.2 kg	1.1 kg	1.0 kg

The following shows the techinical specifications of DT 700 Series.

Telephone Type	8LD	32D	24D/12D	6DE	2E
Display (LCD)	87 × 43mm, 224 × 96 dot matrix, 28-digit 5-line * 8LD has two LCDs.			90 × 28mm, 168 × 41 dot matrix, 28-digit × 3-line	None
Display Color	Gray scale (with 8 shades of gray)			Monochrome (with no shades of gray)	-
Programmable Key	Key data is displays on LCD. 32 (8 X 4) Keys	32/24/12 Keys [2-color (red and green) LED]		6 Keys [2-color (red and green) LED]	2 Keys
Fixed Feature Key	11 keys(with Menu/Cursor/Security button)			10 Keys	12 Keys
backlight	Display and Digit Key (lit for 10 seconds when operating)			None	
Soft Key	4 Keys				None
Directory	500 records			None	
Call History	Outgoing Call: 50 record, Incoming Call: 50 records			None	
XML Browser	Available				None
Hands-free	Standard equipment (Full-duplex), Wide-band			Standard equipment (Full-duplex)	
Headset	Available			Not available	
LAN Interface	2-port, 10BASE-T/100BASE-TX, Full-duplex/Half-duplex, Auto Negotiation /Fixed				
Voice CODEC	G.711, G.729a, G.722			G.711, G.729a	
IP Address Setting	Sets via DHCP server/Sets Directly				
QoS	ToS (IP Precedence, Diffserv)				
VLAN	Tag VLAN (IEEE802.1Q/p)				
Security	IEEE802.1x authentication (EAP-MD5/EAP-TLS, EAPOL Forwarding), RTP Encryption, Auto Config Encryption				
Power Supply	Center Power Supply = IEEE802.3af, Local Power Supply = AC adapter (AC-2R UNIT: optional)				
Power Consumption	PoE=6.24 [W]/Local=5.64 [W]			PoE=3.264 [W]/Local=2.928 [W]	
Download	Program/Configuration data/Ringing Tone/Music on Hold/ Directory data			Program/Configuration data/Music on Hold	
Adapter (Optional)	Recording Unit/Wall-mounting kit/Digit-key Set Unit/Side pannel			Wall-mounting kit/ Digit-key Set Unit/ Side pannel	Wall-mounting kit
Color	Black/White			Black	

Telephone Type	8LD	32D	24D/12D	6DE	2E
Dimension (W×D×H)	179(W) × 264(D) × 112(H) [mm]	205.8(W) × 258(D)× 112(H) [mm]	179(W) × 258(D) × 112(H) [mm]	179(W) × 225(D) × 112(H) [mm]	
Weight	1.3 kg	1.3 kg	1.2 kg	1.1 kg	1.0 kg

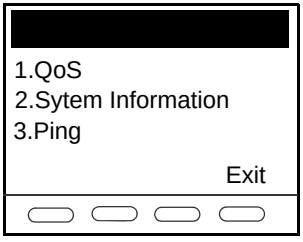
9. ONLINE MONITORING

In Online Monitoring, users can see the following information on the terminal LCD.

- QoS information (RTP Packet Loss (per 5 sec.), Payload, CODEC)
- System information
- Ping

• Conditions for activating "Online Monitoring Menu"

- Press and hold **Help** key. Main screen of Online Monitoring will be displayed.
- To exit from Online Monitoring, press **Exit** key.
- When just pressing **Help** key, Help information will be displayed.

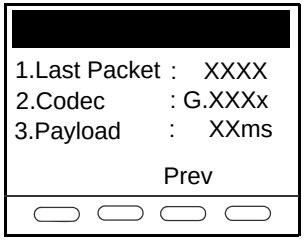


• Key operation chart

Press **Help** key for two seconds.			
	[1]	QoS	
		[1]	Lost Packet
		[2]	Codec
		[3]	Payload
	[2]	System Information	
		[1]	Network Settings
		[2]	SIP Settings
		[3]	Audio&Visual Settings
		[4]	Maintenance Settings
		[5]	Terminal Information
	[3]	Ping	

- **QoS information (RTP Packet Loss (per 5 sec.), Payload, CODEC)**

Press **1** in main screen, and move to QoS information menu.
Following information can be confirmed in QoS information.



- Lost Packet

The number of RTP packet receiving loss in current-last call will be displayed per **5** second. (Displayed in 8 digits. Max. value is 99999999.)

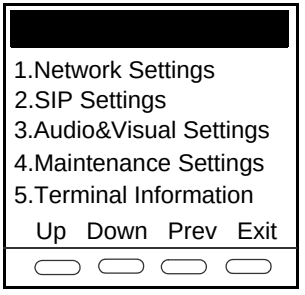
- Codec
- Payload (Payload size)

Display pattern of Codec and Payload is as follows.

Codec	Payload (msec.)
G. 711u	10, 20, 30, 40
G. 711A	10, 20, 30, 40
G. 729a	10, 20, 30, 40

- **System Information**

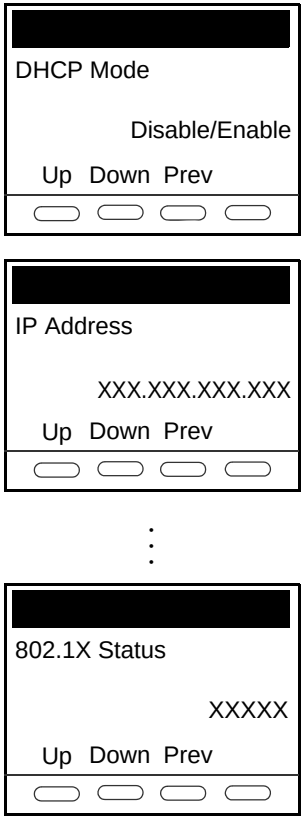
Press **2** in main screen, and move to System information menu.
Following information can be confirmed in System information.



- Network Settings
- SIP Settings
- Audio&Visual Settings
- Maintenance Settings
- Terminal Information

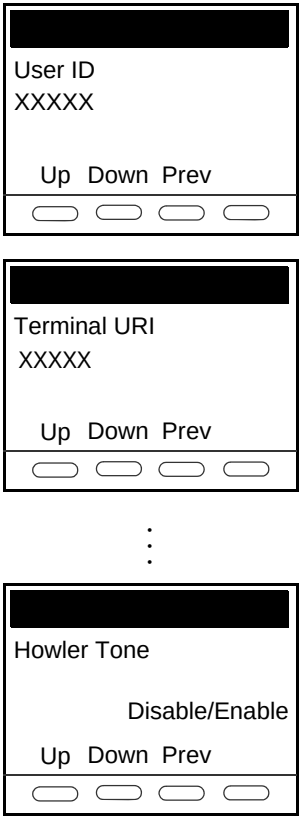
Note: *For the detail of each Settings, refer to the **Detail of System Information Menu**.*

To see Network Settings Information
Press **1** in System Information menu.
Each Network Setting can be confirmed by pressing **Up** and **Down** key.



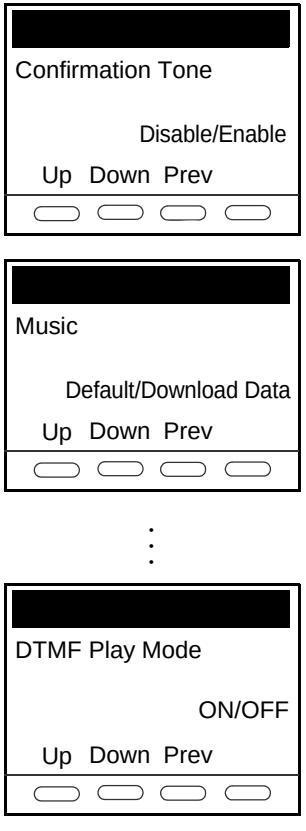
Note: *To go back to System Information menu, press **Prev** soft key.*

To see SIP Settings Information
Press **2** in System Information menu.
Each SIP Setting can be confirmed by pressing **Up** and **Down** key.



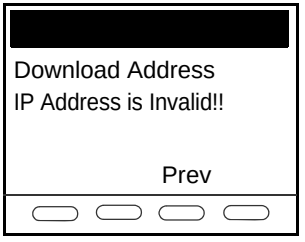
Note: *To go back to System Information menu, press **Prev** soft key.*

To see Audio&Visual Settings Information
Press **3** in System Information menu.
Each Audio&Visual Setting can be confirmed by pressing **Up** and **Down** key.



Note: *To go back to System Information menu, press* ***Prev*** *soft key.*

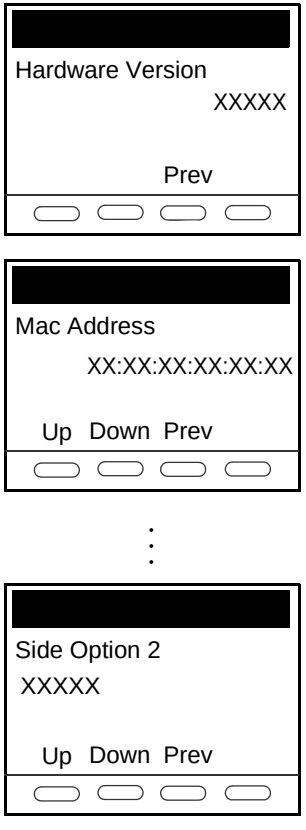
To see Maintenance Settings Information
Press **4** in System Information menu.
Download address can be confirmed.



Note: *To go back to System Information menu, press* ***Prev*** *soft key.*

To see Terminal Information

Press **5** in System Information menu.
Each terminal information can be confirmed by pressing **Up** and **Down** key.

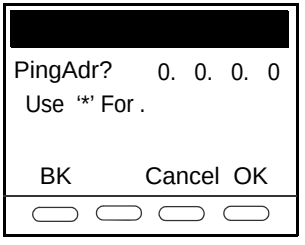


Note: *To go back to System Information menu, press* ***Prev.***

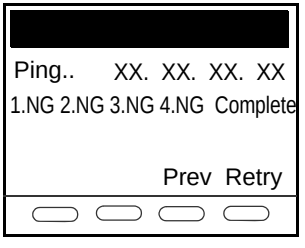
Ping

To send Ping

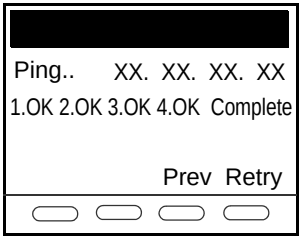
Press **3** in main screen, and move to Ping menu.
Enter IP address of the server to send Ping, and press **OK** key.



Note: *If Network Interface is not operated, following message will be displayed.*



Ping will be sent to the server **4** times.
If **Retry** was selected, screen will back to the Ping menu.

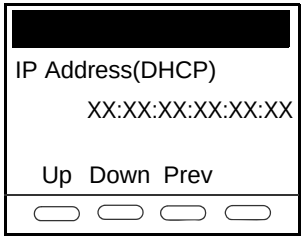


- **Detail of System Information Menu**

System Information Menu	Items
Network Settings	DHCP Mode IP Address **Note1** Default Gateway **Note1** Subnet Mask **Note1** DNS Address **Note1** VLAN Mode (for LAN port) VLAN ID (for LAN port) VLAN Priority (for LAN port) Speed & Duplex (for LAN port) PC Port VLAN Mode **Note2** PC Port VLAN ID **Note2** PC Port VLAN Priority **Note2** PC Port Speed & Duplex **Note2** PC Port Available EAPOL Forwarding CDP Mode ToS (RTP) ToS (SIP) Supplicant Mode EAP Method EAPOL VLAN Mode Account (MD5) 802.1X Status
SIP Settings	User ID Terminal URI Connecting Server 1st SIP Server **Note1** 2nd SIP Server **Note1** 3rd SIP Server **Note1** 4th SIP Server **Note1** Access Mode (to the SIP Server) Port for 1st SIP Server Port for 2nd SIP Server Port for 3rd SIP Server Port for 4th SIP Server Area ID (Country) Authentication Mode Retransmit Interval Keeping Call Howler Tone
Audio & Visual Settings	Confirmation Tone Music on hold Sidetone Volume Send Gain Receive Bias Receive Gain Ring(Internal Call) Ring(External Call) Volume Indication Language for time display
Maintenance Settings	Download Address for downloading the firmware

System Information Menu	Items
Terminal Information	Hardware Version MAC Address Firmware Version Bottom option Side Option 1 Side Option 2

Note 1: *"(DHCP)" is indicated on the display when the parameter is obtained from the DHCP server.*
(ex.) IP Address



Note 2: *This item is not displayed on DT710 (ITL-6DE-1).*

10. WEB PROGRAMMING

Web Programming allows the user to configure the terminal settings of DT Series from the PC. The user use Internet browser to access Web Programming. It is not necessary to install any special application software onto the PC.

TIP: *This feature is only available for DT700 Sereies.*

TIP: *DT700 Series and Web Programmng PC needs to be connected to the same network. When downloading the files for Music on Hold, Ringer Tone and Directory to the DT Series, FTP (TFTP server) is required on the network. For details on the FTP service, contact to the System Administrator.*

TIP: *Terminal settings through Web Programming is available while the DT700 Series logs into the system.*

Follow the Steps to open the Web Proogramming.

☐ Start up Internet browser on the PC.

☐ Enter IP address of the target DT700 Series on the address toolbar and then press Enter key.

☐ Enter User Name and Password and then click **OK** button.

TIP: *Enter the same user name (login ID) and password used when logging into the DT700 Series. Station Number is used as user name and password by the default setting.*

TIP: *For IP address of DT Series, contact to the System Administrator.*

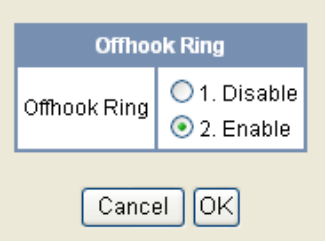
☐ The following Web Programming **Home** screen appears.

TO ENABLE/DISABLE OFF-HOOK RINGING

The procedure below shows how to enable/disable Off-hook ringing.

STEP 1: From the **Home** sceen, click **User Settting** → **Incoming Call** → **Offhook Ring**.

STEP 2: Select **1. Disable** or **2 Enable** by clicking the corresponding radio button.



STEP 3: Click **OK** button to save the change to the database.

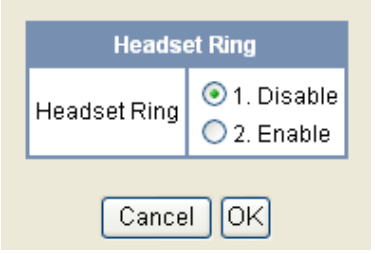
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO SET RINGING OF HEADSET

The procedure below shows how to enable/disable the ringing of headset.

STEP 1: From the **Home** sceen, click **User Settting** → **Incoming Call** → **Headset Ring**.

STEP 2: Select **1. Disable** or **2 Enable** by clicking the corresponding radio button.



STEP 3: Click **OK** button to save the change to the database.

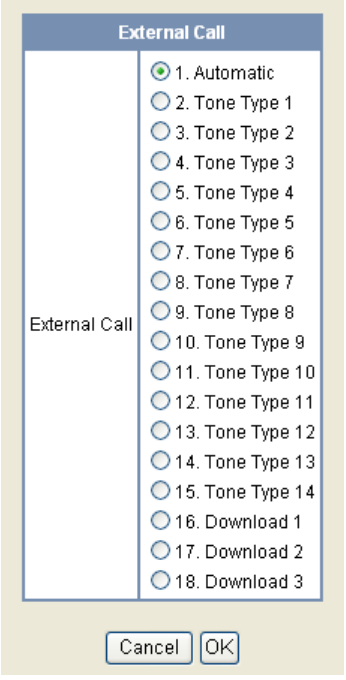
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO SET RINGER TONE

The procedure below shows how to change the ringer tone for internal call and external call.

STEP 1: From the **Home** sceen, click **User Settting** → **Incoming Call** → **Ring Tone** → **External Call**/**Internal Call**.

STEP 2: Select a desired tone type by clicking the corresponding radio button.



STEP 3: Click **OK** button to save the change to the database.

STEP 4: The following dialog appears. Click **OK** button on the dialog.

<Details of Selectable Ringer Tones>

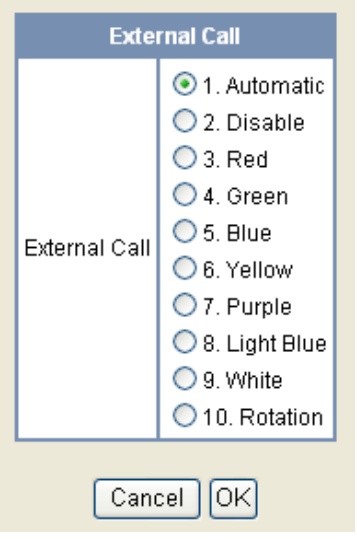
No.	Menu Item	Frequency (Hz)		Remarks
		1st	2nd	
0	Automatic	520	660	16Hz modulation
1	Tone Type1	520	660	16Hz modulation
2	Tone Type2	520	660	8Hz modulation
3	Tone Type3	1400	1100	Door Phone
4	Tone Type4	1100		No modulation
5	Tone Type5	540		No modulation
6	Tone Type6	1100	1400	16Hz modulation
7	Tone Type7	660	760	16Hz modulation
8	Tone Type8	1100		Envelope
9	Tone Type9	-		Door Phone Melody
10	Tone Type10	-		Melody 1
11	Tone Type11	-		Melody 2
12	Tone Type12	-		Melody 3
13	Tone Type13	-		Melody 4
14	Tone Type14	-		Melody 5
15	Download1	-		
16	Download2	-		
17	Download3	-		

TO SET ILLUMINATION PATTERN FOR CALL INDICATION LAMP

The procedure below shows how to set the illumination pattern for the Call Indicator Lamp.

STEP 1: From the **Home** sceen, click **User Settting** → **Incoming Call** → **Illumination** → **External Call**/**Internal Call**.

STEP 2: Select a desired illumination pattern by clicking the corresponding radio button.



STEP 3: Click **OK** button to save the change to the database.

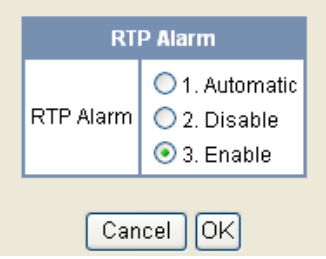
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO ENABLE/DISABLE RTP ALARM

The procedure below shows how to enable/disable RTP alarm.

STEP 1: From the **Home** sceen, click **User Settting** → **Talk** → **RTP Alarm**.

STEP 2: Select **1. Automatic**, **2. Disable** or **3. Enable** (see the following table).



Menu Items	Descriptions
1 Automatic (**Note1**)	Follow the setting on the System. If no setting is made in the System, the default setting (Alarm=ON) is applied.
2 Disable	Follow the setting on the terminal (OFF).
3 Enable	Follow the setting on the terminal (ON).

TIP: *For the setting on the System, contact to the System Administrator.*

STEP 3: Click **OK** button to save the change to the database.

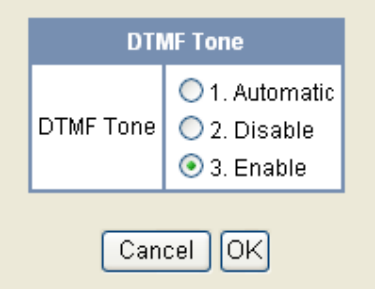
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO ENABLE/DISABLE DTMF TONE

The procedure below shows how to enable/disable RTP alarm.

STEP 1: From the **Home** sceen, click **User Settting** → **Talk** → **DTMF Tone**.

STEP 2: Select **1. Automatic**, **2. Disable** or **3. Enable** (see the following table).



Menu Items	Descriptions
1 Automatic (**Note 1**)	Follow the setting on the System. If no setting is made in the System, the default setting (DTMF=ON) is applied.
2 Disable	Follow the setting on the terminal (OFF).
3 Enable	Follow the setting on the terminal (ON).

TIP: *For the setting on the System, contact to the System Administrator.*

STEP 3: Click **OK** button to save the change to the database.

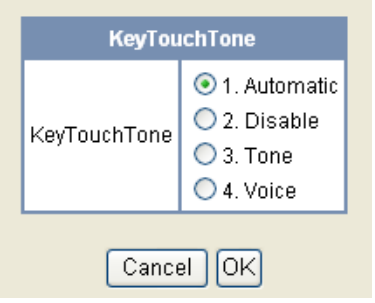
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO SET KEY TOUCH

The procedure below shows how to set Key Touch Tone. Key Touch Tone is a tone generated when the digit keys are pressed while DT Series is off-hook.

STEP 1: From the **Home** sceen, click **User Settting** → **Talk** → **Key Touch Tone**.

STEP 2: Select **1. Automatic**, **2. Disable** or **3. Tone** or **4. Voice**.



TIP: *When "0 Automatic" is set, the default setting (Tone) is applied.*

STEP 3: Click **OK** button to save the change to the database.

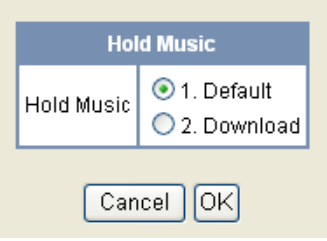
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO SET MUSIC ON HOLD

The procedure below shows how to set Music on Hold to be heard by DT Series user.

STEP 1: From the **Home** sceen, click **User Settting** → **Talk** → **Hold Music**.

STEP 2: Select **1. Default** when the default data (Menuet) is used as Music on Hold. Select **2. Download** when a downloaded data is used as Music on Hold.



STEP 3: Click **OK** button to save the change to the database.

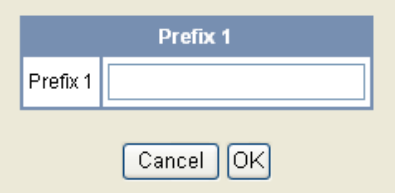
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO SET PREFIX NUMBER

The procedure below shows how to set Music on Hold to be heard by DT Series user.

STEP 1: From the **Home** sceen, click **User Settting** → **Talk** → **Prefix** → **Prefix 1**.

STEP 2: Enter a prefix number.



STEP 3: Click **OK** button to save the change to the database.

STEP 4: The following dialog appears. Click **OK** button on the dialog.

STEP 5: If multiple prefixes need to be set, repeat the above procedures. In that case, select **Prefix 2** and **Prefix 3**.

TIP: *A maximum of 10 digits can be set as a prefix.*

TIP: *When prefix is added, up to 32 digits including the prefix can be sent as dial number.*

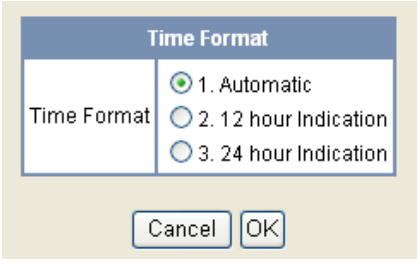
TO SET CLOCK FORMAT

Determines whether time is displayed with a 12-hour or 24-hour clock format.

STEP 1: From the **Home** sceen, click **User Settting** → **Display** → **Time Format**.

STEP 2: Make a selection from the following list.

Menu Item	Meaning
1. Automatic	12-hour clock (default)
2. 12 hour Indication	12-hour clock
3. 24 hour Indication	24-hour clock



STEP 3: Click **OK** button to save the change to the database.

STEP 4: The following dialog appears. Click **OK** button on the dialog.

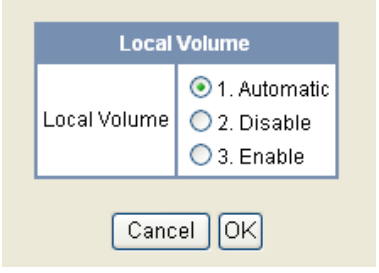
TO ENABLE/DISABLE VOLUME LEVEL DISPLAY

Determines whether or not to display the following volume levels: handset receiver volume, speaker volume, ringer tone volume and LCD contrast.

STEP 1: From the **Home** sceen, click **User Settting** → **Display** → **Local Volume**.

STEP 2: Make a selection from the following list.

Menu Item	Meaning
1. Automatic	Each volume level is displayed on LCD (default).
2. Disable	Each voume level is not displayed on LCD.
3. Enable	Each volume level is dispalyed on LCD.



STEP 3: Click **OK** button to save the change to the database.

STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO ENABLE/DISABLE BACKLIGHT

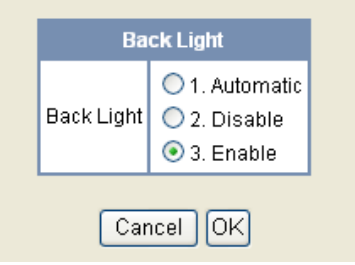
The following explains how to enable/disable the backlights of LCD and digit keys.

The backlights illuminate (for approximately 10 seconds) when the user presses any key or lift the handset.

STEP 1: From the **Home** sceen, click **User Settting** → **Display** → **Back Light**.

STEP 2: Make a selection from the following list.

Menu Item	Meaning
1. Automatic	Backlights of LCD and digit keys are enabled.
2. Disable	Backlights of LCD and digit keys are disabled.
3. Enable	Backlights of LCD and digit keys are enabled.



STEP 3: Click **OK** button to save the change to the database.

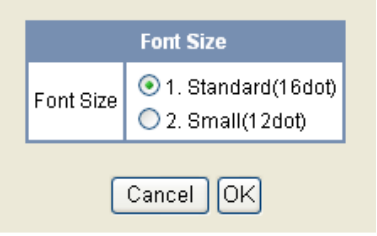
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO CHANGE CHARACTER SIZE

The following explains how to change the displayed character size on the LCD.

STEP 1: From the **Home** sceen, click **User Settting** → **Display** → **Font Size**.

STEP 2: Select either **1. Standard(16dot)** or **2. Small(12dot)** by clicking the corresponding radio button.



STEP 3: Click **OK** button to save the change to the database.

STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO SET A LANGUAGE

The following explains how to set a language to be displayed on LCD.

STEP 1: From the **Home** sceen, click **User Settting** → **Display** → **Language**.

STEP 2: Select a desired language by clicking the corresponding radio button.

STEP 3: Click **OK** button to save the change to the database.

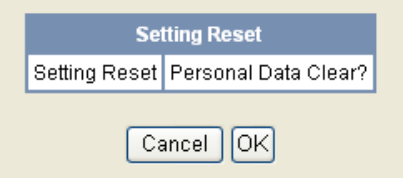
STEP 4: The following dialog appears. Click **OK** button on the dialog.

TO RESET TELEPHONE SETTINGS

The following explains how to clear the personal data of the telephone.

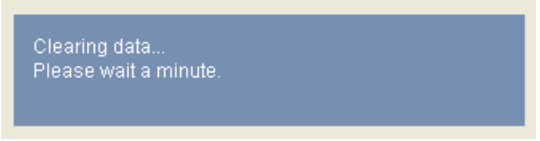
STEP 1: From the **Home** sceen, click **User Settting** → **Display** → **Setting Reset**.

STEP 2: Click **OK** button to clear the personal data of the telephone.

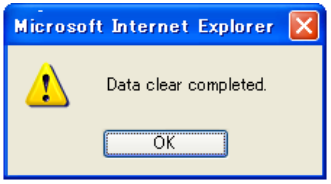


STEP 3: The confirmation message appears. Click **OK** button on the dialog to start the data clearing.

STEP 4: While clearing the personal data. the following message appears.



STEP 5: When the data clear is complete, the following dialog appears. Click **OK** button on the dialog.



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