UNIVERGE

UNIVERGE Terminal DT330/DT310

USER'S GUIDE

LIABILITY DISCLAIMER

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1. INTRODUCTION

FACE LAYOUT

DTL-8LD-1 (DT330 Series)

179 [mm]

264 [mm]
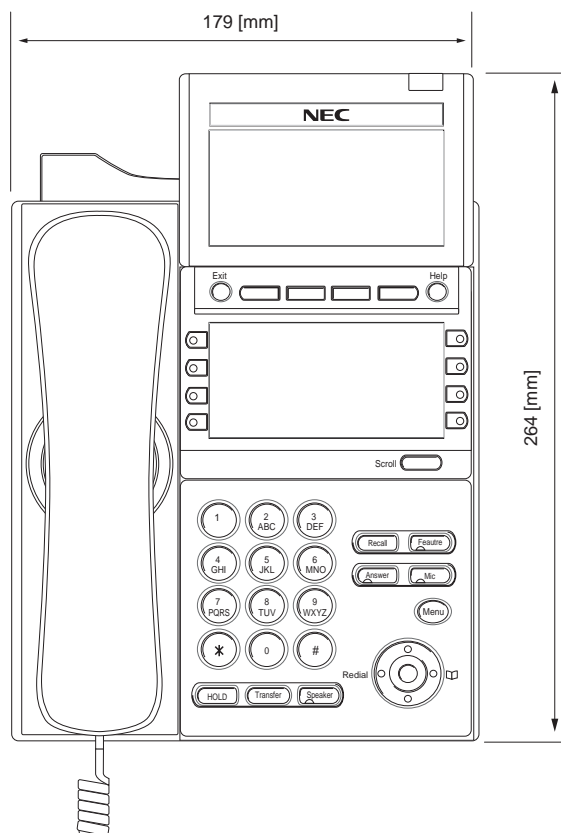
DTL-32D-1 (DT330 Series)

205.8 [mm]

258 [mm]
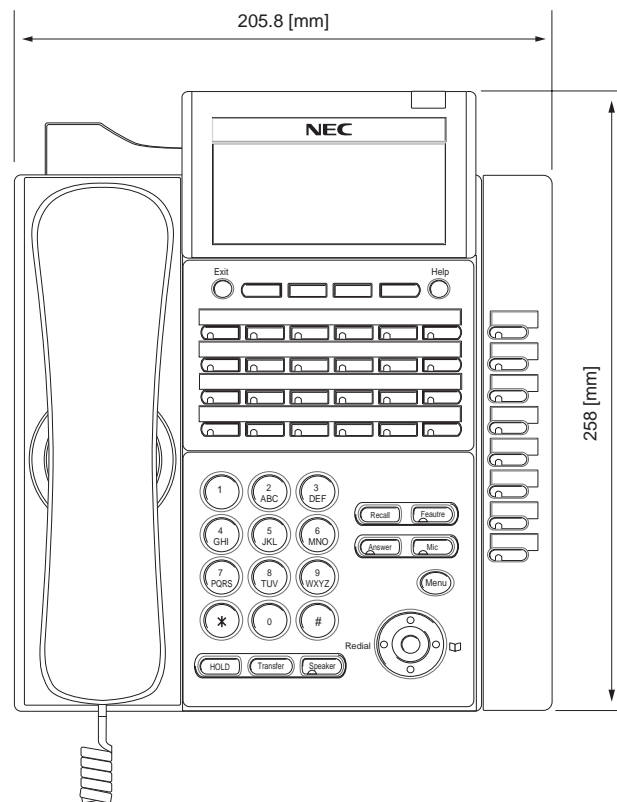
DTL-24D-1 (DT330 Series)

179 [mm]

258 [mm]
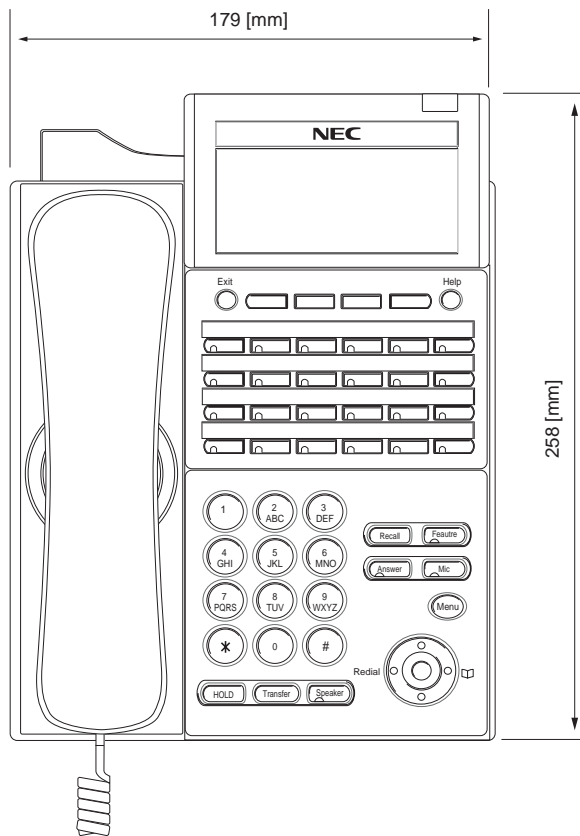
DTL-12D-1 (DT330 Series)

179 [mm]

258 [mm]

DTL-12PA-1 (DT330 Series)

193 [mm]

258 [mm]

NEC

Exit Help

Line

1 2 ABC 3 DEF
4 GHI 5 JKL 6 MNO
7 PQRS 8 TUV 9 WXYZ
* 0 #

Recall Feautre
Answer Mic
Menu

Redial

HOLD Transfer Speaker

DTL-6DE-1 (DT310 Series)

179 [mm]

225 [mm]

NEC

Exit Help

1 2 ABC 3 DEF
4 GHI 5 JKL 6 MNO
7 PQRS 8 TUV 9 WXYZ
* 0 #

Recall Feautre
Redial Conf
Answer Mic
Directory Message

HOLD Transfer Speaker

DTL-2E-1 (DT310 Series)

179 [mm]

225 [mm]

NEC

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
*	0	#

Recall | Feautre
Redial | Conf
Answer | Mic
Directory | Message

HOLD | Transfer | Speaker

KEYS AND PARTS

• KEYS AND PARTS ON DTL-8LD-1

Here, explanations are given by taking DTL-8LD-1 as an example.
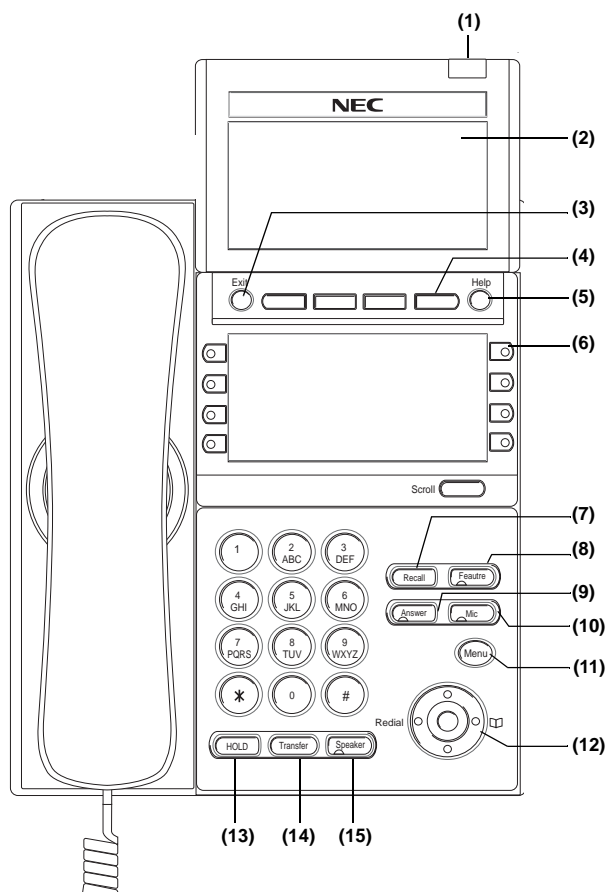
(1) Call Indicator Lamp
Lamp at top corner of DT Series Display flashes when a call terminates to the terminal. Also, when using Voice Mail service, the Lamp lights steadily when a message has been left.

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

(3) Exit
To exit from the Menu or Help mode and go back to the time display.

(4) 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.

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

(6) 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).

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

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

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

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

(11) Menu
To access the local menu of DT310/DT330, such as Call History, Directory or Terminal Setting.

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

Details on Cursor key

(a) Volume (UP) key
(4-way Scroll UP key)

(d) Enter Key

(b) Redial key
(4-way Scroll LEFT key)

(c) Directory key
(4-way Scroll RIGHT key)

(a) Volume (DOWN) key
(4-way Scroll DOWN key)
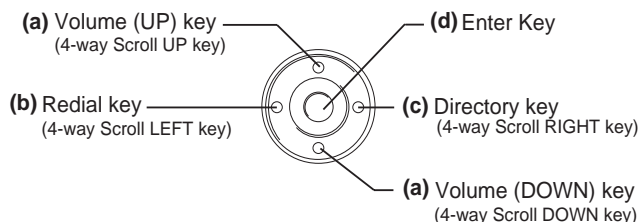
(a) Up/Down

($\vee$ DOWN $\wedge$ UP)
Used to adjust LCD contrast, speaker/receiver volume, and ringer volume.
- LCD Contrast:
  Press ($\vee$) or ($\wedge$) key while idle.
- Speaker/Receiver Volume:
  Press ($\vee$) or ($\wedge$) key during conversation.
- Ringer Volume:
  Press ($\vee$) or ($\wedge$) key during ringing.

(b) 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 $\ast$ or # key to activate dialing.

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

(d) Enter

DT330 Series has shortcut menu for frequently-used features. Use this key to display the shortcut menu (see SHORTCUT MENU) and determine the selected item in the menu.

Also, this key is used as cursor-movement key on the Menu screen.

	UP	Move the highlighted area one line up the screen.
	DOWN	Move the highlighted area one line down the screen.
	LEFT	Go back to the previous screen.
	RIGHT	Go to the screen that corresponds to the highlighted menu item.
	Enter	Go to the screen that corresponds to the highlighted menu item.

(13)Hold

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

(14)Transfer

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

(15)Speaker

Controls the built-in speaker which can be used for Hands Free dialing/monitoring.
LED on key lights when key is active.
* All TDM enabled versions are half duplex hands-free mode.

• THE OTHER KEYS AND PARTS

Redial (only for DTL-2E-1 and DTL-6DE-1)
(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.

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

Conf (only for DTL-2E-1 and DTL-6DE-1)
Press key to establish a conversation. LED on key lights when key is active.

Directory (only for DTL-2E-1 and DTL-6DE-1)
Press key to activate speed calling - system feature.

Message (only for DTL-2E-1 and DTL-6DE-1)
Press key to access the voice mail system.

Up/Down (only for DTL-2E-1 and DTL-6DE-1)
($\vee$ DOWN $\wedge$ UP)
Used to adjust LCD contrast, speaker/receiver volume, and ringer volume.
- LCD Contrast:
  Press ($\vee$) or ($\wedge$) key while idle.
- Speaker/Receiver Volume:
  Press ($\vee$) or ($\wedge$) key during conversation.
- Ringer Volume:
  Press ($\vee$) or ($\wedge$) key during ringing.

Directory (only for DTL-2E-1 and DTL-6DE-1)
Press key to activate speed calling - system feature.

8LD Display (only for DTL-8LD-1)
32 (8 keys x 4 pages) additional programmable keys (Flexible Line/Programmable Feature key) are provided. Also, information set to each programmable key is displayed on 8LD display. For setting of the programmable key, contact 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 (see TO ORIGINATE A CALL USING SPEED CALLING (ONE-TOUCH SPEED CALLING KEYS) and TO REGISTER NAME ON ONE-TOUCH SPEED CALLING KEY).

* For the assignment of the keys, confirm to the Telephony Server Administrator.
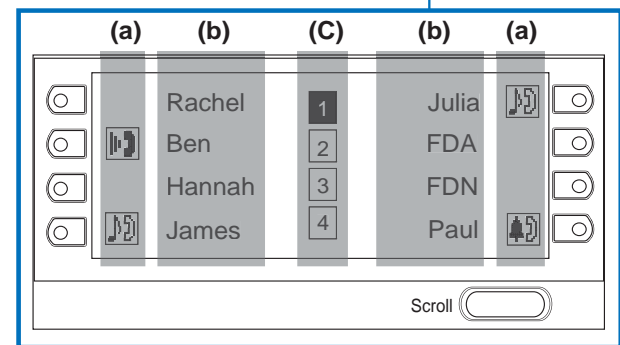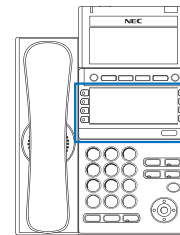
(a) Icon

Status information on the Line key such as Call termination, Call Hold or Busy can be indicated as following Icons.

User's Status	Icon	Flashing Pattern
• Idle	No Icon	

User's Status	Icon	Flashing Pattern
• Call Hold (Individual Hold/Individual Hold on Call Park Group)	♪⟩	Blink (The icon will blink per one second cycle.)
• Call Hold (Other Party Hold/Other Party Hold on Call Park Group)	♪⟩	
• Recall (Individual Hold/Exclusive Call Hold/Call Transfer/Individual Hold on Call Park Group)	🔔⟩	
• Recall (Other Party Hold/Other Party Hold on Call Park Group) • Incoming Call	🔔⟩	
• During Conversation (Individual Use) • Call Transfer • Conference	⦀⟩	Steady Lit
• During Conversation (Other Party Use)	⦀⟩	
• Active Feature (Under a setting of feature key like a "Call Forwarding")	■	

(b) Programmable Key Information

Programmable Key Information displays the following.

Key	Description	Maximum digits to be displayed
Line Key	- Name and Number information	8 digits
One-Touch Speed Dial Key	- Speed Dial Name Information - Number Information	8 digits

Feature Key	- Feature Name	6 digits

(c) Page Icon

8LD display has four pages (8 programmable keys per page). Page Icon key indicates currently displayed page. The user can switch the programmable key display from page 1 to 4 by using **Scroll** key.

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

.

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

Example: Page Turning by Scroll Key

Page 1

Key No. 1	Rachel	1	Flashing	a	Key No. 5
Key No. 2	Ben	2		FDA	Key No. 6
Key No. 3	Hannah	3		FDN	Key No. 6
Key No. 4	012345	4		Paul	Key No. 8

Switch Page → Scroll — Press twice.

Page 3

Key No. 17	Peter	1	Call on Hold		Key No. 21
Key No. 18	Michael	2	Julia		Key No. 22
Key No. 19	Powell	3			Key No. 23
Key No. 20	James	4			Key No. 24

Scroll

Press Feature Key 2 on Page 3 to answer incoming call.
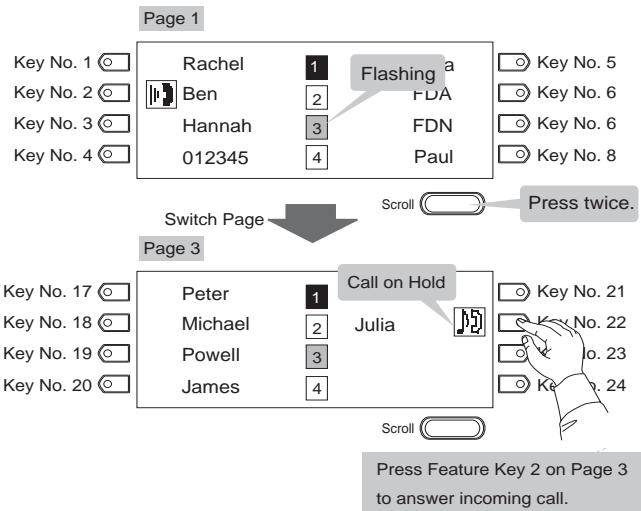
Note: For example, when an incoming call is terminated to a line key on Page 3 while Page 1 is being displayed on the screen, the screen is not automatically switched from Page 1 to Page 3. The user must display Page 3 manually and then answer the incoming call.

The following shows LCD indication of Programmable keys.

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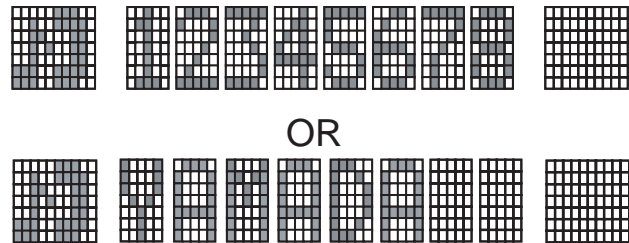
Appropriate icons are displayed according to the feature. These displays cannot be changed by user.

The following shows each LCD indication when One-Touch Speed Dial key is set to Programmable key.

When Station line/Trunk line are assigned.

OR
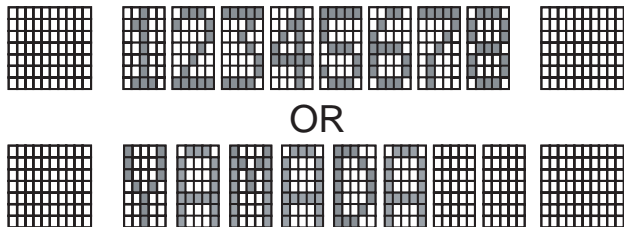
No icons are displayed.
* Users can register name on each One-Touch Speed Dial key. For the procedures, see TO REGISTER NAME ON ONE-TOUCH SPEED CALLING KEY.

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, see TO REGISTER NAME ON ONE-TOUCH SPEED CALLING KEY.

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

MENU KEY

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

To Display Menu List

☐ Press Menu key while indicating the current time on LCD. The Menu List is displayed in LCD. Use Cursor Key to select desired Menu Item.

Main Menu for DT330 Series

```
[Menu]                        ↕
  1  Call History
  2  Directory
  3  Settings
                      Back    OK
```
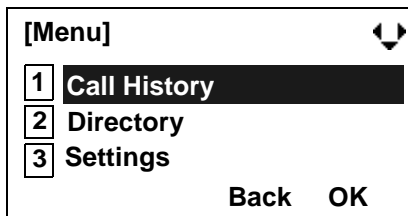
Menu Item	Description
1 Call History	To view Call History. For details, see 6.1FOR DT330 SERIES in chapter 6 Call History Operation.
2 Directory	To use Phonebook function. For details, see PHONEBOOK in chapter 5.
3 Setting	To set up the terminal such as ringing volume control, LCD display setting and download of Music on Hold. For details, see SETUP WITH MENU KEY FOR DT300 SERIES.

Note: DTL-6DE-1/DTL-2E-1 does not have Menu key.

Note: Unavailable Menu items are grayed out.

SIMPLE OPERATION BY MENU KEY AND CURSOR KEY

By using Menu key and ⊙ 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.

Press **Menu** key

```
[Menu]                    ↔
  1  Hisotry
  2  Directory
  3  Tool
    Up   Down   Back   OK
```

```
[Directory]               ↔
  1  Personal
  2  System
    Up   Down   Back   OK
```

Press **Directory** key
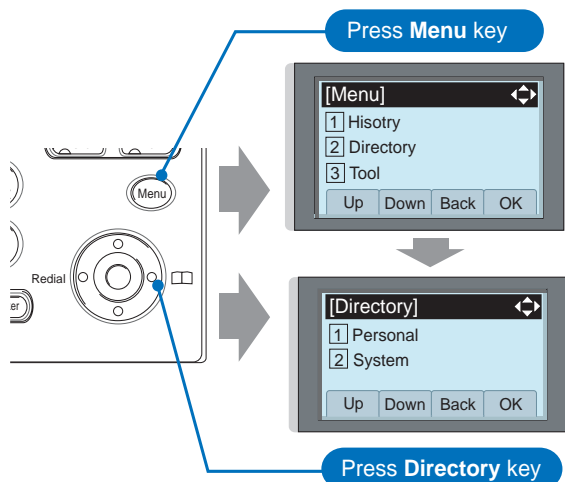
ICON DISPLAY

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

Icon Display

4:26 PM TUE 13 APR 2007

MIC | DND | | >>>
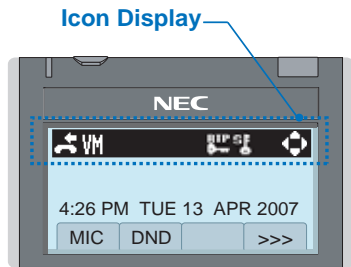
Feature	Icon	Description
Missed Call		This icon appears when there is a missed call. Once the user has checked the missed call, this icon will disappear.
Voice Mail		This icon provides notification of incoming Voice Mail. Once the user has checked the mail, this icon will disappear.
Cursor		This icon indicates the currently available direction of the Cursor key.

SHORTCUT MENU

As shown in the figure below, DT330 Series has Shortcut Menu for frequently-used features. The user can access to Shortcut Menu by pressing ⊙ (**Enter**) key.

Press Enter Key

[Shortcut Menu]
1 Missed Calls
2 Voice Mail
3 Receive IM
↑ | ↓ | Back | OK
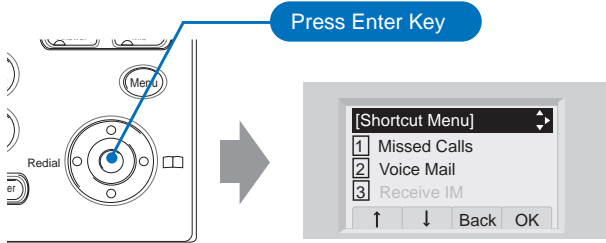
Note: *DT310 Series does not support the Shortcut Menu.*

Shortcut Menu includes the following features.

Note: Unavailable Menu items are grayed out.

Shortcut Menu for DT330 Series

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

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)
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.

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.

```
                              4051
7:35  AM  MON  18  JUL  2002
MIC    DND                    >>>
```
    Exit   Help
    ○ ▭ ▭ ▭ ▭ ○
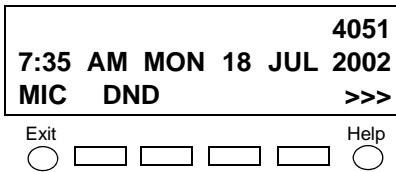
Note: Soft Key function is available for the terminals with LCD.

Exit Key
Press to exit from the Menu or Help mode and go back to the time display.

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

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

DIAL TONE/DIALING

(1)
```
4:26 PM   TUE 13  APR 2004
MIC    PICK        FDA     >>>
```
Push >>>

(2)
```
4:26 PM   TUE 13  APR 2004
FDN        FDB            >>>
```

RINGING

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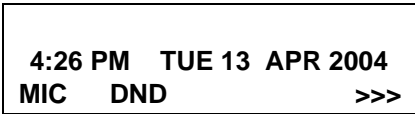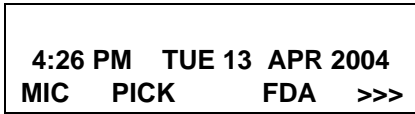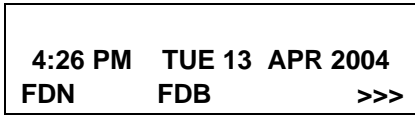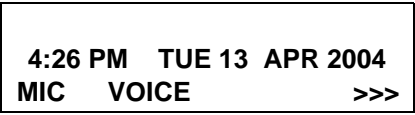
BUSY

(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 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.

The following shows the default 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 designated 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 DESTINPLATION 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.

CONDITIONS FOR DT300 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

  Available

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

  Available

Note: When pressing and holding Help key, the menu of "Online Monitoring" will be displayed. For details on Online Monitoring, see ONLINE MONITORING in Chapter 10.

2. INSTALLATION PROCEDURE

ADJUSTING ANGLE OF TILT LEG

DT330/310

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

Fourth Level
Third Level
Second Level
First Level
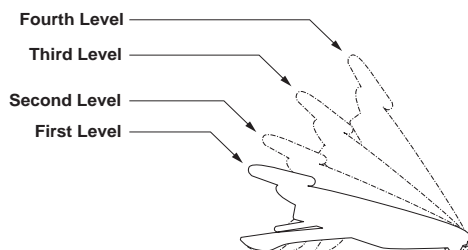
• TO RAISE TILT LEG

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.
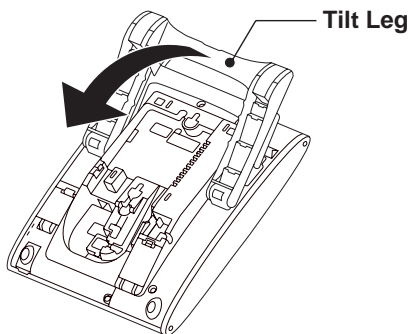
Tilt Leg

• 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.
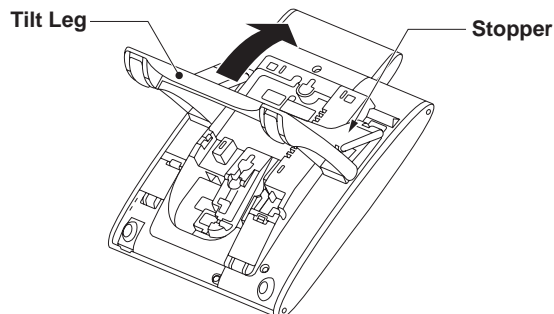
Tilt Leg   Stopper

TO REMOVE TILT LEG DT330/310

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.
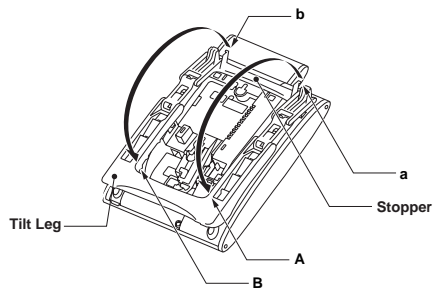
STEP 4: While pushing the two hooks, slide the tilt leg downward. Remove the tilt leg from the terminal.
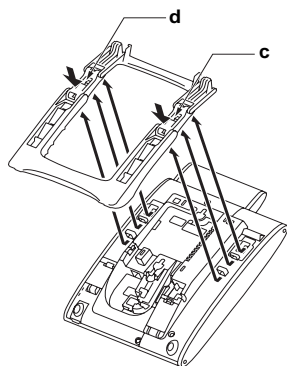
TO ATTACH TILT LEG DT330/310

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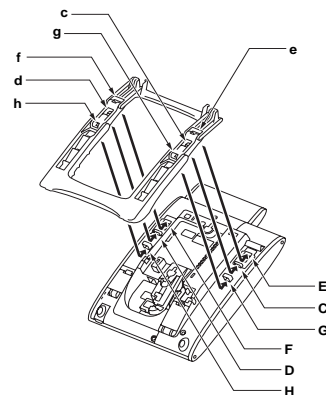
STEP 4: Fit the indicated portions (a and b) of the stopper into the grooves (A and B) on the tilt leg.
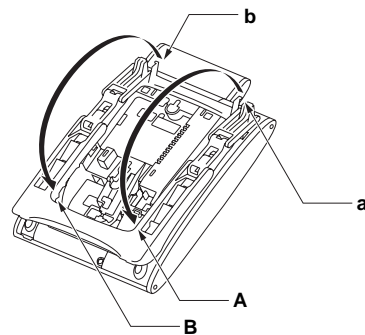
CONNECTING LINE CORD

DT330/DT310

STEP 1: Insert Line cord plug into Line connector on the back of the telephone set until you hear it clicks.
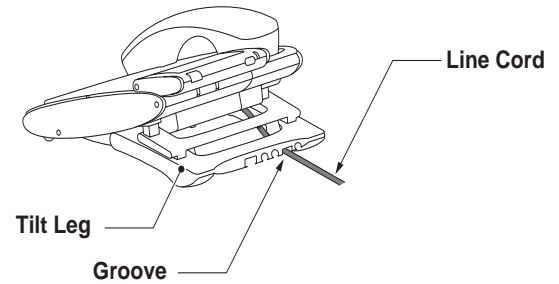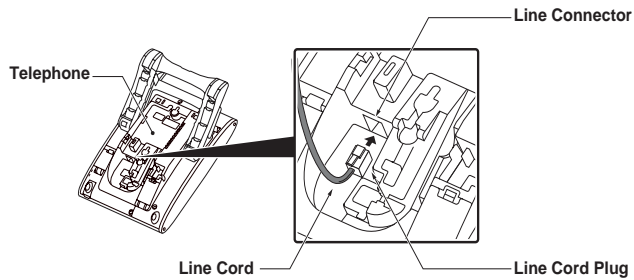
STEP 2: Thread the line cord through the groove on the back of the telephone.
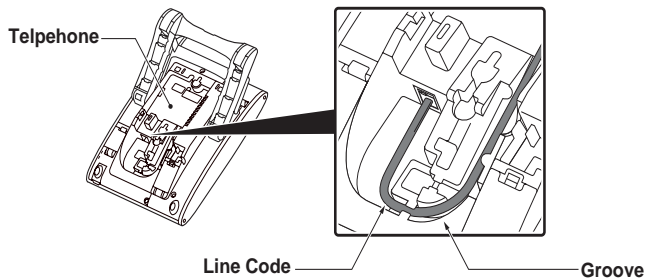
STEP 3: Lead the line cord out through the groove on the tilt leg as shown in the figure below.

INSTALLING DIRECTORY CARD
DT330/310

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.

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 1: Remove the protective sheet from the cover.

STEP 2: Attach the cover to the directory card and then attach it to the directory card holder.
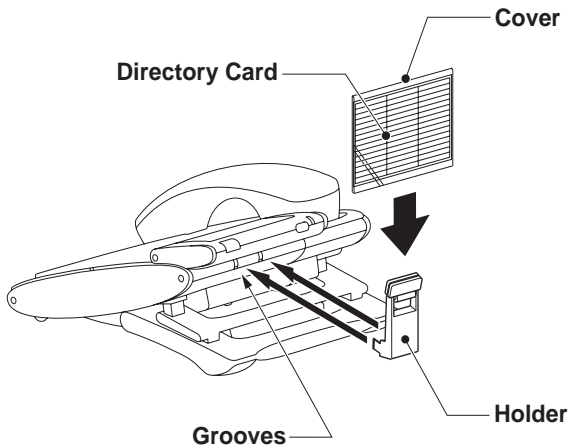
ATTACHING HANDSET DT330/310

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

STEP 2: Thread the coiled cord through the groove as shown in the figure below.
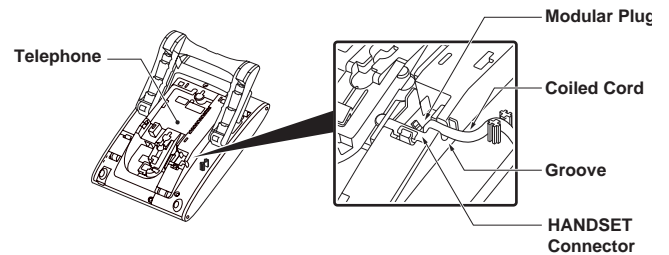
INSTALLING/REMOVING KEY SET UNIT DT330/310

- ## TO REMOVE KEY SET UNIT

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

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

STEP 3: Remove the line key card.

Line Key Panel

Button Panel

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 panel with the buttons on the telephone and

then push the four corners of the panel until the panel clicks into place.

Line Key Panel

Button Panel

Line Key Card

WALL MOUNTING `DT330/310`

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.

117.5
25 (approximately)
136
30 (approximately)
Tab Slots
83.5
60
60
15 (approximately)
35 (approximately)
All dimensions in mm
Space for Modular terminal
Telephone (In the case of 12D/24D)
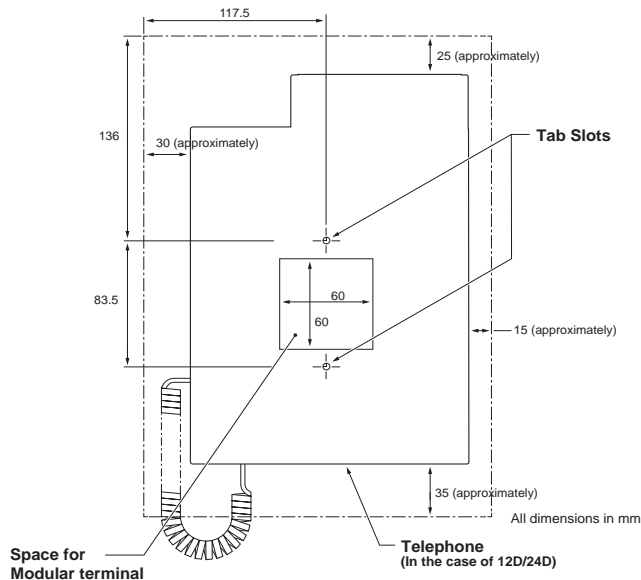
To mount the telephone set on the wall, use the following procedure.

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 click.

Handset Hanger

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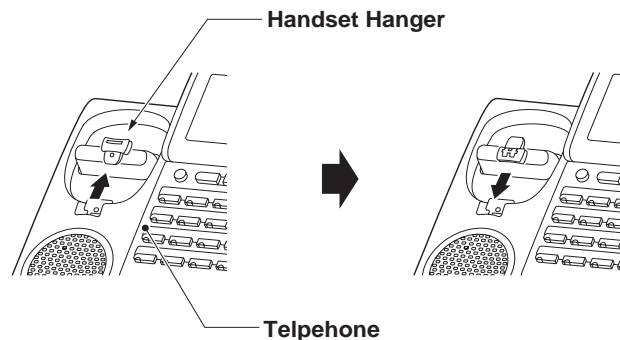
STEP 2: Turn the telephone set upside down and widen the tilt leg.

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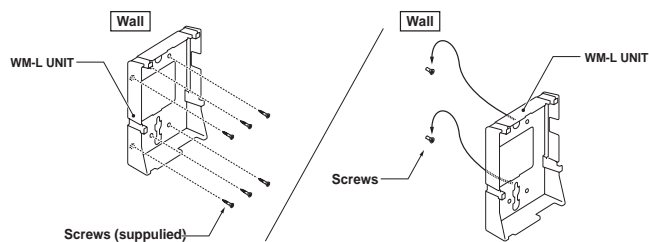
- When attaching WM-L UNIT to the wall plate:

  Attach WM-L UNIT to the posts on the wall plate as shown in the figure below.
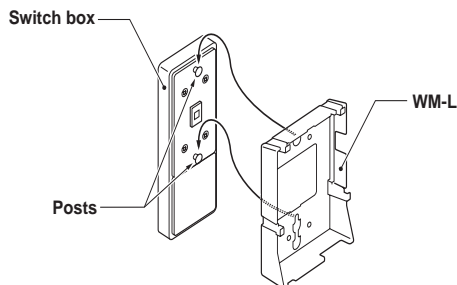
STEP 4: Attach the modular terminal to the wall as shown in the following figure. If the modular connector is attached directly on the wall or the wall plate is used instead of modular terminal, skip this step.
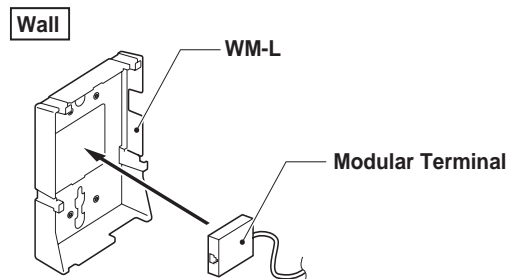
STEP 5: Insert the line cord plug (included with the telephone set) into the modular connector.
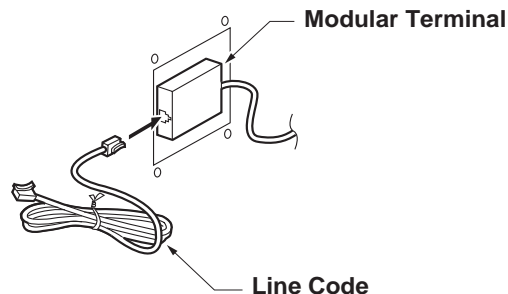
STEP 6: Insert the line cord plug into the LINE connector on the back of the telephone. Wrap the excess cord and secure it with a tie wrap.

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

Line Cord

Wall

Telephone

WM-L

Line Connector

Groove

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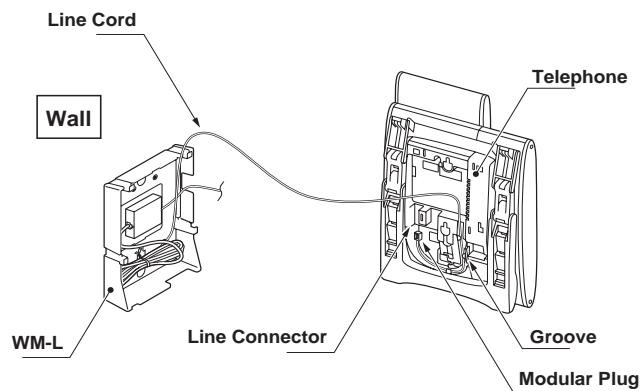
STEP 8: Insert the four tabs on WM-L UNIT in the tab slots on the back of the telephone.

Tuck the excess cord into WM-L UNIT.

Wall

Tab Slots

Tabs
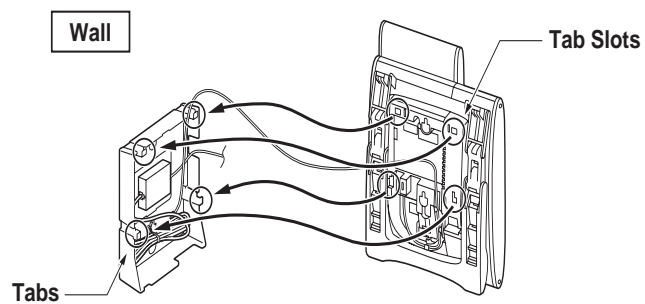
3. TERMINAL SETUP

This chapter describes operating procedures for terminal settings by the **Up/Down** (⊙ or ▲/▼) 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** `DT330/310`

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

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

```
HANDSET■■■■------------
```
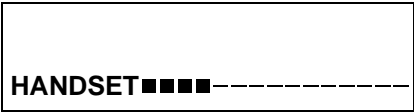
LCD indication for Australia

```
HANDSET■■■■■■--------
```
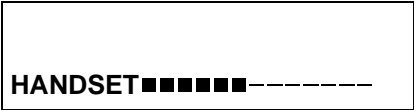
- **TO ADJUST SPEAKER VOLUME** `DT330/310`

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

```
SPEAKER■■■■■■■■■■■---
```
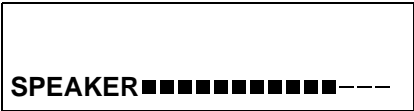
- **TO ADJUST RINGER TONE** `DT330/310`

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

```
RING    ■■■■■■■■-----
```
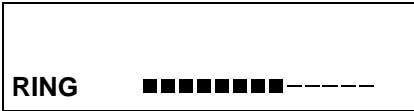
- **TO ADJUST LCD CONTRAST** `DT330/310`

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

```
LCD     ■■■■■---
```
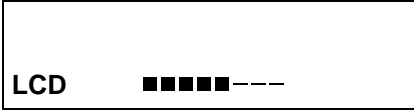
SETUP WITH FEATURE KEY

• MICROPHONE ON/OFF DT330/310

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 CHANGE HANDSET RECEIVER VOLUME DT330/310

Handset receiver volume can be changed.

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

```
RCV VOL.              SMALL
 4:26 PM   TUE 13  APR 2004
```
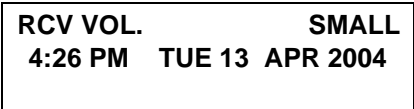
☐ Press **Feature** and **2** key to alternate between Large and Small volume.

```
RCV VOL.              LARGE
 4:26 PM   TUE 13  APR 2004
```
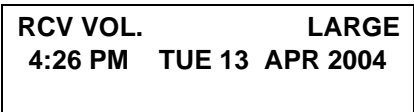
• TO SELECT RINGER TONE DT330/310

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
```
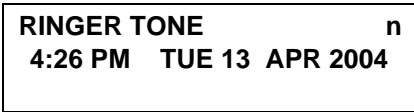
No.	Frequency (Hz)	Modulation (Hz)
1	520/660	16
2	520/660	8
3	1100/1400	16
4	660/760	16
5	Melody 1	
6	Melody 2	
7	Melody 3	
8	Melody 4	
9	Melody 5	
10	Melody 6	

Note: Tone number 5, 6, 8~10 (Melody 1, 2, 4~6) will sound continuously.

- **TO ADJUST TRANSMISSION/RECEIV-ING VOLUME** DT330/310

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** DT330/310

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 displays:

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

- **CALL INDICATOR LAMP ON/OFF** DT330/310

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
```

Note: 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** DT330/310

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
```

Note: 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. 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 DT300 SERIES

- **TO CHANGE RINGER TONE VOLUME**
  DT330

The procedure below shows how to change the volume of ringer tone.

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

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

```
[Menu]                        ↕
 1  Call History
 2  Directory
 3  Settings
                    Back    OK
```
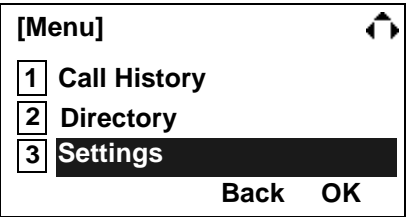
☐ Select **1** **Ring Volume** and then press ⊙ (**Enter**), ⊙ (**Right-cursor**) or **OK** soft key. (or press **1** key.)

```
[Settings]                    ↕
 1  Ring Volume
 2  Offhook Ring
 3  Back Light
 4  Headset Ring
 5  Peripherals
                    Back    OK
```
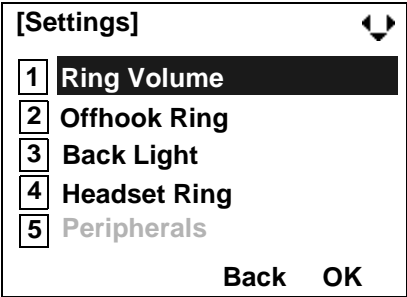
☐ Ring Volume can be set in 13 levels (0 - 12). Adjust the ringer tone volume by using ⊙ key and then press ⊙ (**Enter**) or **OK** soft key.

	Turn the volume up.
	Turn the volume down.

```
[Ring Volume]                 ↕

    [ ▮▮▮▮▮▮▮      ]
                    Back    OK
```
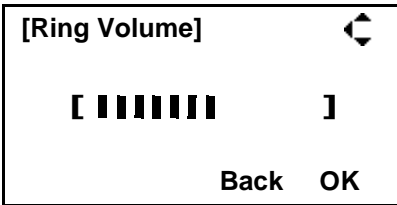
- **TO ENABLE/DISABLE OFF-HOOK RINGING** `DT330`

The procedure below shows how to

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

Select **3** **Setting** and then press ⦿ (**Enter**), ◐ (**Right-cursor**) or **OK** soft key. (or press ③ key.)

```
[Menu]                          ⌃
 1  Call History
 2  Directory
 3  Settings
                     Back    OK
```
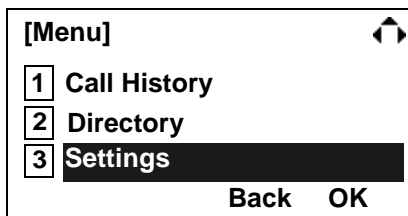
☐ Select **2** **Offhook Ring** and then press ⦿ (**Enter**), ◐ (**Right-cursor**) or **OK** soft key. (or press ② key.)

```
[Settings]                      ⬦
 1  Ring Volume
 2  Offhook Ring
 3  Back Light
 4  Headset Ring
 5  Peripherals
                     Back    OK
```
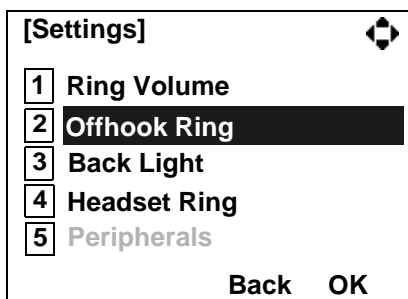
☐ To disable/enable the off-hook ringing, select **1** **Disable** or **2** **Enable**. Then, press ⦿ (**Enter**) or **OK** soft key.

```
[Offhook Ring]                  ⌐
○ 1  Disable
◉ 2  Enable
                     Back    OK
```
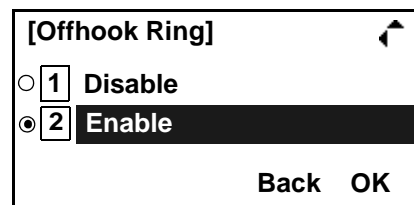
Note: Default setting is **2 Enable**.

Note: The currently enabled item is highlighted.

- **TO ENABLE/DISABLE BACKLIGHT**
  DT330

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 **3** **Setting** and then press ● (**Enter**), ●
(**Right-cursor**) or **OK** soft key. (or press **3** key.)

```
[Menu]                            ◆
1  Call History
2  Directory
3  Settings
                        Back    OK
```
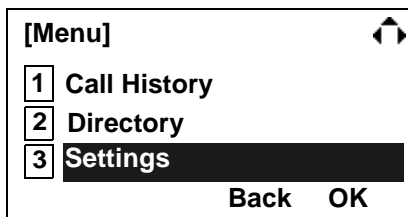
☐ Select **3** **Back Light** and then press ● (**Enter**),
● (**Right-cursor**) or **OK** soft key. (or press **3**
key.)

```
[Settings]                        ◆
1  Ring Volume
2  Offhook Ring
3  Back Light
4  Headset Ring
5  Peripherals
                        Back    OK
```
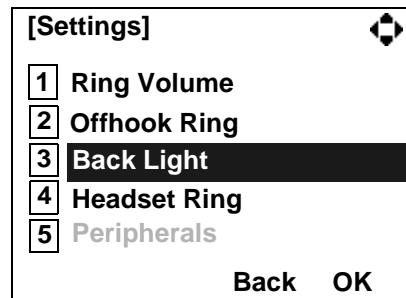
☐ Make a selection from the following list.

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

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

Note: The currently enabled item is highlighted.

```
[Back Light]                      ◆
◉ 1  Disable
○ 2  Enable
                        Back    OK
```
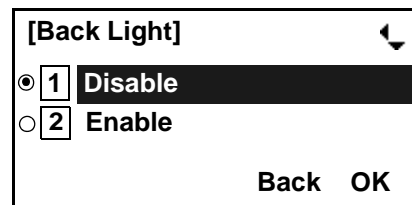
☐ After making a selection, press ● (**Enter**) or **OK**
soft key.

- **TO SET RINGING OF HEADSET** DT330

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 3 **Setting** and then press ● (**Enter**), ◎ (**Right-cursor**) or **OK** soft key. (or press 3 key.)

```
[Menu]                          ↕
 1  Call History
 2  Directory
 3  Settings
                      Back    OK
```
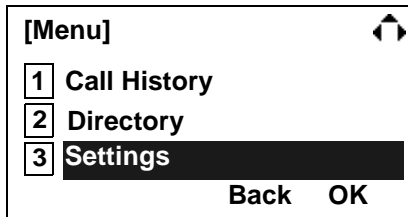
☐ Select 4 **Headset Ring** and then press ● (**Enter**), ◎ (**Right-cursor**) or **OK** soft key. (or press 4 key.)

```
[Settings]                      ✥
 1  Ring Volume
 2  Offhook Ring
 3  Back Light
 4  Headset Ring
 5  Peripherals
                      Back    OK
```
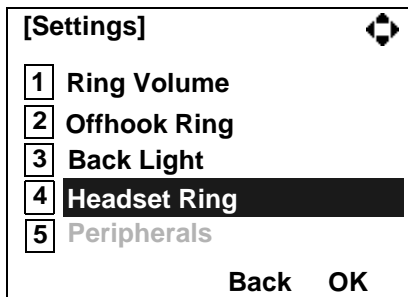
☐ To disable/enable the ringing of headset, select 1 **Disable** or 2 **Enable**. Then, press ● (**Enter**) or **OK** soft key.

```
[Headset Ring]                  ↵
◉ 1  Disable
○ 2  Enable
                      Back    OK
```
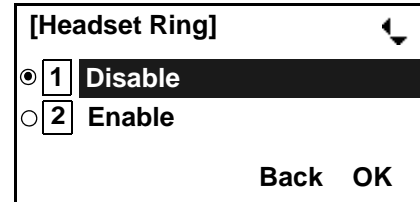
Note: Default setting is **1 Disable**.

Note: The currently enabled item is highlighted.

4. BASIC OPERATION

This chapter describes the following basic operation of
DT Series.

- 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

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 indicates:

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

TO ORIGINATE AN INTERNAL CALL
DT330/310

☐ 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 DT330/310

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 DT330/310

☐ Press **HOLD** key. Held line wink flashes.

Held station
number

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

Note: 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.

Note: 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 DT330/310

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

Held station
number

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

Note: 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.

Note: 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.

Note: 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 DT330/310

☐ 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
```

5. FEATURE OPERATION

TO ORIGINATE A CALL USING SPEED CALLING (ONE-TOUCH SPEED CALLING KEYS) `DT330/310`

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

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

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

Note: **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, uppercase European or lowercase European characters.

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

ALPHABETIC CHARACTER (UPPERCASE)

DIGIT KEY	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 KEY	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											

Note: The shaded area indicates the characters which cannot be entered.

EUROPEAN CHARACTER (LOWERCASE)

DIGIT KEY	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											

Note: The shaded area indicates the characters which cannot be entered.

TO REGISTER NAME ON ONE-TOUCH SPEED CALLING KEY

DT330

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

Note: 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) `DT330/310`

☐ Press **Redial** key.

☐ Press the desired speed calling number.

```
LNR[*]/SPD[_ _]              ,Ä
                        XXXXXX
```

TO ORIGINATE A CALL USING SPEED CALLING - SYSTEM

`DT330/310`

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 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 Directory Key

(Only DT310 Series are equipped with Directory key.)

☐ Press **Directory** key.

☐ Dial the abbreviated call code (maximum of 4 digits).

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

ACCOUNT CODE `DT330/310`

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).

☐ Receive dial tone and dial desired number.

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

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 `DT330/310`

☐ 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: For North America, Account Codes can be up to 24 digits.

Note: For North America, the total number of digits which can be entered for Authorization and Account Codes is 34 digits.

AUTHORIZATION CODE `DT330/310`

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.

VOICE CALL DT330/310

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

```
┌─────────────────────────────────────┐
│ VOICE                        2000    │
│  4:26 PM   TUE 13  APR 2004          │
│                                      │
│                                      │
└─────────────────────────────────────┘
```

☐ Speak to called party.

Using 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: 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: 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: 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 DT330/310

☐ 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 DT330/310

To Initiate

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

Called party

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

To Answer

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

Overriding party

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

☐ 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

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

☐ A three-party conference is established.

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

MANUAL INTERCOM DT330/310

To Initiate

☐ Press **MICM**, lift handset or press Speaker key, ring-back 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: The **SIG** key signals the corresponding station when speaking over the intercom path is unnecessary.

Note: 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 DT330/310

To Initiate

☐ Lift handset or press the Speaker key.

☐ Press **DICM** key.

☐ Dial desired intercom station number. Receive ring-back tone.

Called party

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

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

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

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

```
OVERRIDE                     3
  4:26 PM    TUE 13  APR 2004
```

☐ A three-party conference is established.

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

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 DT330/310

☐ 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 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
DT330/310

☐ While engaged in a call and wishing to consult a third party, press **Transfer** key. Caller is automati-cally 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
DT330/310

☐ While engaged in a call, receive the camp-on indi-cation (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         Trunk
              type          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.

☐ 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 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 Soft Key

☐ Hear burst of tone Display indicates "**C WAIT**" and
Answer key flashes.

☐ Press **Answer** key receive call waiting tone.

Calling station
number

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

To Disconnect

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

CALL PARK DT330/310

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

```
CALLPARK SET           DDD 3
 4:26 PM    TUE 13  APR 2004
```

To Retrieve A Parked Call From Originating Station

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

Elapsed time

```
10:01                    DDD 2
 4:26 PM    TUE 13  APR 2004
```

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

┌─────────────────────────────┐
│ 2000                   DDD 2 │
│ 4:26 PM   TUE 13  APR 2004   │
│                              │
└─────────────────────────────┘
```

```
                        Called      Calling
                        station     party

┌─────────────────────────────┐
│ PICK UP   2000         2001  │
│ 4:26 PM   TUE 13  APR 2004   │
│ MIC                     >>>  │
└─────────────────────────────┘
```

CALL PICK-UP (GROUP) DT330/310

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.

```
                        Called      Calling
                        station     party

┌─────────────────────────────┐
│ PICK UP   2000 DDD       3   │
│ 4:26 PM   TUE 13  APR 2004   │
│                              │
└─────────────────────────────┘
```

Using Soft Key

☐ Lift handset and press **PICK** Soft Key.

☐ Connection to calling party is established.

CALL PICK-UP (DIRECT) DT330/310

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 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.

```
                  Called      Calling
                  station      party

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

OUTGOING TRUNK QUEUING

If Trunk Is 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   DT330/310

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 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 DT330/310

To Recall Last Number Dialed

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

```
LNR[# or ✳]/SPD[_ _]      ,Ä
                      XXXXXX

```

☐ Press **Redial** key until desired number is displayed. Up to 5 previously dialed numbers.

☐ Press **#** or ✳. The number on the display is automatically redialed.

☐ When party has answered, lift handset or speak hands-free.

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
DT330/310

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 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.

<div align="right">Forwarding
station</div>

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

Note: 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.

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

Using Soft Key

☐ Press **FDA** Soft Key.

☐ Receive service set tone and "**FORWARD CANCEL**" is displayed.

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

CALL FORWARDING - BUSY LINE
`DT330/310`

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

To Cancel

☐ Press **Speaker** key. Receive dial tone. If canceling for another station, press **MULTILINE APPEAR-ANCE**.

☐ 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 Soft Key

☐ Press **FDB** Soft Key.

☐ Receive service set tone and "**FORWARD CAN-CEL**" is displayed.

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

CALL FORWARDING - DON'T ANSWER DT330/310

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

Note: 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

```

CALL BACK DT330/310

If Called Station is Busy

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

<div align="center">

Called party

CALLBACK SET	2000
4:26 PM TUE 13 APR 2004	

</div>

– 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.

<div align="center">

Called party

CALLBACK	2000
4:26 PM TUE 13 APR 2004	

</div>

☐ Connection is established when the called party answers.

<div align="center">

Called party

CALLBACK	2001
4:26 PM TUE 13 APR 2004	

</div>

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 Soft Key

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

<div align="center">

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

</div>

TO SAVE AND REPEAT A NUMBER

DT330/310

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 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 Soft Key

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

TO LEAVE A MESSAGE

DT330/310

☐ 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

```
MESSAGE SET          2001
 4:26 PM   TUE 13  APR 2004
```

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

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

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

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

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

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 DT330/310

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 `DT330/310`

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 ring-back for one second.
☐ Page station B.
☐ Remain off hook or hang up.

Trunk number

```
PAGING                        3
 4:26 PM    TUE 13  APR 2004
```

To Answer (Station B)

If Station A remains off hook

☐ Station B dials "Paging" answer code, and they are immediately connected.

```
PAGING                        3
 4:26 PM    TUE 13  APR 2004
```

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.

PAGING TRANSFER

`DT330/310`

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

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

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‚Äôs numb

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

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

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

If Station A hung up

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

Stations A and B each display
the other‚Äôs number, flashi

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

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

Calling trunk number

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

– Or –

(Dependent on System Programming)
☐ Station B dials "Paging" answer code, and is immediately connected to the calling party.

```
PAGING                 DDD 3
  4:26 PM    TUE 13  APR 2004
```

BOSS/SECRETARY TRANSFER
DT330/310
Secretary

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

Calling party

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

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

Boss and secretary station each
display the other‚Äôs numb

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

☐ 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 DT330/310

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.

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

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 ser-
vice set tone.

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

Note: The secretary can hang up after taking a mes-
sage, and set a message lamp at any time by
going off-hook on the boss' multiline and press-
ing 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 ser-
vice 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
DT330/310

Example:

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‚Aô stati
                         number
C WAIT                     2000
  4:26 PM    TUE 13  APR 2004
```

Boss

☐ Hear 3 bursts of tone. LCD indicates:

```
                 Secretary‚Äôs stati
                         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.

DO NOT DISTURB `DT330/310`

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 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 DT330/310

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 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 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 DT330/310

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 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 Soft Key

☐ Press flashing **DND** Soft Key.

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

PRIVACY RELEASE DT330/310

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

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

PHONEBOOK `DT330/310`

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

Note: This feature is available for DT series with LCD.

System Phonebook
System Phonebook is used on a system basis. The data entry is made by the Telephony Server Administrator.
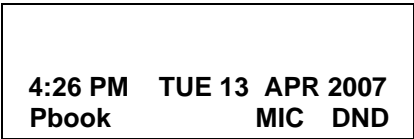
Local Phonebook
Local Phonebook is used on a station basis. Up to 100 entries are available per station. The user can make entries with key operation from the telephone. Up to 32 digits can be registered for each dial number. Up to 24 characters can be registered for each name.

- **SYSTEM PHONEBOOK**

To Search And Make A Call

Example: To Search For "NEC BNET".

STEP 1: Press **Pbook** soft key while Station is in Idle state.

```
┌─────────────────────────────┐
│                             │
│                             │
│  4:26 PM   TUE 13 APR 2007  │
│  Pbook            MIC  DND   │
└─────────────────────────────┘
```

If Local Phonebook is enabled by the setting on the system side, go to STEP2.
If Local Phonebook is disabled by the setting on the system side, go to STEP 3.

- OR -

Press **Menu** key to display the Menu screen. On the Menu screen, select **2** **Directory**.

```
┌─────────────────────────────┐
│ 1  History                  │
│ 2  Directory                │
│ 3  Tool                     │
│   ↑    │   ↓   │ Back │ OK  │
└─────────────────────────────┘
```
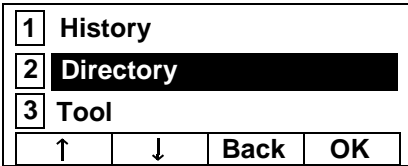
Note: Select an item on the menu screen in either of the following two ways.
- Press an appropriate digit key.
- Highlight a desired item and then press ⊙ or **OK** soft key.

If Local Phonebook is enabled by the setting on the system side, go to STEP 2.
If Local Phone is disabled, the display changes as follows. In that case, select **2** **System** and go to STEP 3.

```
┌─────────────────────────────┐
│ 1  Personal                 │
│ 2  System                   │
│ 3  Corporate                │
│   ↑   │   ↓   │ Back │  OK  │
└─────────────────────────────┘
```

STEP 2: Press **Sys** soft key.

```
┌─────────────────────────────┐
│                             │
│                             │
│  Phonebook                  │
│  Local    Sys        Cnl    │
└─────────────────────────────┘
```

STEP 3: Enter a name and then press ⊙ or **OK** soft key to perform a search.

> Ex. To enter "NEC":
> Press **6** key twice to enter "N".
> Press **3** key four times to enter "E".
> Press **2** key twice to enter "C".

```
┌─────────────────────────────┐
│  Name:                      │
│  NEC ■                      │
│     ℜ     Clr    OK    >>>  │
└─────────────────────────────┘
```

Note: If ">>>" soft Key is pressed on the above screen, the following soft keys appear. Pressing ⊙ or **Eu-s**/**Eu-l** soft key shifts characters between uppercase and lowercase.

(Lower-case character)

```
┌─────────────────────────────┐
│  <<<   -Eu-s          Cnl   │
└─────────────────────────────┘
```

(Upper-case character)

```
┌─────────────────────────────┐
│  <<<   -Eu-l          Cnl   │
└─────────────────────────────┘
```

Note: To delete an entered character, press ⊙ or **Clr** soft key.

Note: To move the cursor one space to the right, press ⊙ key or "→" soft key once

STEP 4: A result of the search is displayed. Press ⊙ or **UP**/**DOWN** soft key to scroll the result.

```
┌─────────────────────────────┐
│  Name: NEC                  │
│  NEC ABIKO                  │
│   UP    DOWN    OK    Cnl   │
└─────────────────────────────┘
```

STEP 5: When "NEC BNET" appears, press ⊙, ⊙ or **OK** soft key.

```
┌─────────────────────────────┐
│  Name: NEC                  │
│  NEC BNET                   │
│   UP    DOWN    OK    Cnl   │
└─────────────────────────────┘
```

STEP 6: The registered Phonebook data for "NEC BNET" appears. From this screen, you can

---

71

make a call by going off-hook or pressing Speaker key.

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

Note: **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 or **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

```
Name    : Suzuki Taro(Japan
Number  : 01234567890123456
  More          Cnl    >>>
```

(Display area)
Name: Suziki Taro(JapanSumida)
Number: 01234567890123456789

```
Name    : Taro(JapanSumida)
Number  : 34567890123456789
  More          Cnl    >>>
```

(Display area)
Name: Suziki Taro(JapanSumida)
Number: 01234567890123456789

CALL HISTORY

There are two types of Call History features. On the one hand, the history data is stored in the system memory. On the other hand, the history data is stored in the memory of the telephone (see 6.CALL HISTORY OPERATION).

The following describes the operating procedures for the Call History feature which is controlled by the system. This Call History feature can store up to 20 records. If exceeding 20 records, a record will be deleted in order of occurrence. Also, this Call History feature can store up to 32 digits of dial number and 16 characters of name information per record.
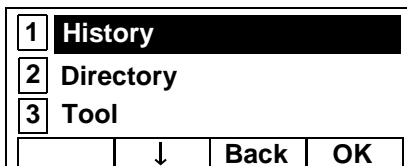
To View Call History

☐ Press **iCall** soft key of **Call History** Feature key-while the correct time is displayed on LCD.

```
 5:25 PM   TUE 26  FEB 2008
  iCall              MIC   DND
```

- OR -

☐ Press Menu key to display the Menu screen. On the Menu screen, select 1 **Call History** (for DT330 Series) and then press or **OK** soft key. (or press 1 key.)

```
┌─────────────────────────────┐
│ 1 │ History                 │
│ 2 │ Directory               │
│ 3 │ Tool                    │
│       ↓    Back   OK        │
└─────────────────────────────┘
```
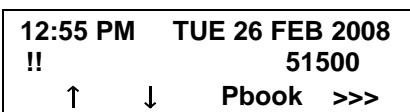
☐ The history data of the last received call is displayed.

```
┌─────────────────────────────┐
│ 1:03 PM    TUE 26 FEB 2008  │
│                      31300  │
│   ↑     ↓    Pbook   >>>    │
└─────────────────────────────┘
```
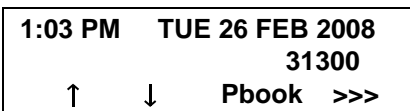
Note: If no history data is saved, "NO LIST" will be displayed on LCD.

☐ Press ⊙ or ↑/↓ soft key to display a desired history data.

```
┌─────────────────────────────┐
│ 12:55 PM    TUE 26 FEB 2008 │
│ !!                   51500  │
│   ↑     ↓    Pbook   >>>    │
└─────────────────────────────┘
```

Note: Call History will display "!!" for an unanswered incoming call.

To Make A Call From Call History

☐ Display the history data of the target party.

```
┌─────────────────────────────┐
│ 12:55 PM    TUE 26 FEB 2008 │
│                      51500  │
│   ↑     ↓    Pbook   >>>    │
└─────────────────────────────┘
```
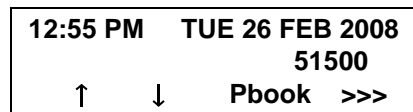
☐ Go off-hook or press **Speaker** key to make a call to the displayed party.

Note: While the history data is displayed, the user cannot make a call by dialing a telephone number.

To Make A Call With Prefix

☐ Press **>>>** soft key while the history data to which you want to add a prefix.

```
┌─────────────────────────────┐
│ 1:03 PM    TUE 26 FEB 2008  │
│                      31300  │
│   ↑     ↓    Pbook   >>>    │
└─────────────────────────────┘
```

☐ Press **Prfx** soft key.

```
┌─────────────────────────────┐
│ 1:03 PM    TUE 26 FEB 2008  │
│                      31300  │
│  <<<   Prfx   DEL   END     │
└─────────────────────────────┘
```
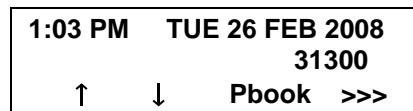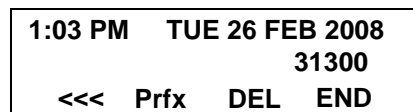
☐ Enter a prefix by using the digit keys. In this example, "012345" is entered. After entering the prefix, press ⊙ (**Enter**) or **OK** soft key.

```
Prefix Number Input
Number:■
           Clr    OK    Cnl
```

Note: A maximum of 10 digits (0-9, * and #) can be set as a prefix.

Note: When prefix is added, up to 32 digits including the prefix can be sent as dial number.

Note: To delete an entered character, press 🔘 or **Clr** soft key.

☐ If the call history data has name information, the name is displayed as follows:

```
Name    :NEC ABIKO
Number :01234531300■
 More            Cnl
```

Note: **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 🔘 or **More** soft key to display the last 17 characters/digits of the name/ telephone number.

☐ Go off-hook or press **Speaker** key to make a call to the displayed telephone number.

To Delete A Specific Data

☐ Press **>>>** soft key while the history data which you want to delete is displayed.

```
1:03 PM    TUE 26 FEB 2008
                        31300
    ↑      ↓    Pbook   >>>
```

☐ Press **DEL** soft key.

```
1:03 PM    TUE 26 FEB 2008
                        31300
  <<<   Prfx   DEL    END
```

Note: If you want to exit from Call History, press **END** soft key.

To Add Call History Data To Local Phonebook

☐ Press **Pbook** soft key or **Phonebook** Feature key while the history data of the target party.

```
1:03 PM    TUE 26 FEB 2008
                        31300
    ↑      ↓    Pbook   >>>
```

```
    Entry NG(over)
                        OK
```

☐ Enter a desired name and then press **OK** soft key. (In this example, "NEC ABIKO" is entered.)

```
Add name:
NEC ABIKO■
    ⟶      Clr     OK     >>>
```

Note: If name information is stored on the call history, the name is displayed.

Note: If ">>>" soft Key is pressed on the above screen, the following soft keys appear. Pressing 🔵 or **Eu-s**/**Eu-l** soft key shifts characters between uppercase and lowercase.

(Lower-case character)

```
<<<    -Eu-s            Cnl
```

(Upper-case character)

```
<<<    -Eu-l            Cnl
```

☐ The telephone number stored on the call history is displayed. The telephone number can be changed if necessary. Press **OK** soft key to add the displayed data to Local Phonebook.

```
Name    :NEC ABIKO
Number :31300■
            Clr     OK     Cnl
```

6. CALL HISTORY OPERATION

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 10 records (for DT330 Series) into its memory. If exceeding 10 records, a record will be deleted in order of occurrence.

FOR DT330 SERIES

- TO VIEW CALL HISTORY
- TO MAKE A CALL FROM CALL HISTORY
- TO DELETE ALL DATA
- TO DELETE A SPECIFIC DATA

Note: Call History data will be cleared when powering off the telephone.

Note: The Call History data which stored in the memory of each telephone cannot be added to Phonebook (both System Phonebook and Local phonebook) controlled by the system.

6.1 FOR DT330 SERIES

TO VIEW CALL HISTORY `DT330`

- **To VIEW DATA OF INCOMING CALL/ OUTGOING CALL**

STEP 1: While indicating the current time on LCD, press **Menu** key to open the **Menu** screen.

Note: This feature is DT330 Series.
The following are examples of LCD displays of DT330 Series.

DT330 Series
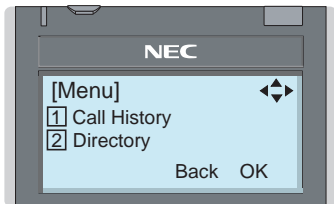
STEP 2: Select **1** **Call History** and then press ⦿ (**Enter**), ⦿ (**Right-cursor**) or **OK** soft key. (or press **1** key.)
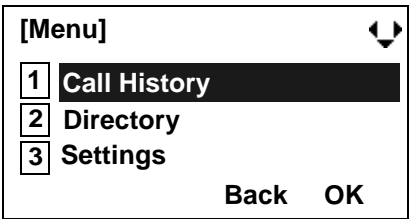

STEP 3: Select a kind of calls and then press ⦿ (**Enter**), ⦿ (**Right-cursor**) or **OK** soft key (or press an appropriate digit key). In this example, **1** **Incoming Calls** is selected.

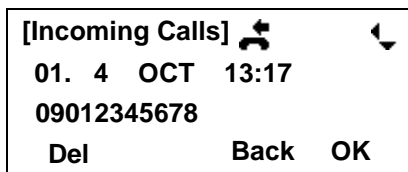| Item	Description
Incoming Calls	To view the history of incoming calls.
Outgoing Calls	To view the history of outgoing calls.
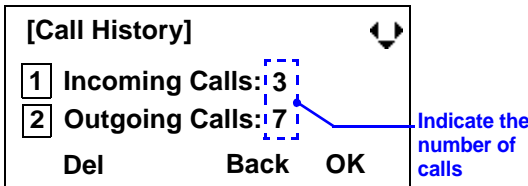
STEP 4: The history data of the last received call is displayed. If name information of the caller exists, the name is displayed as follows:
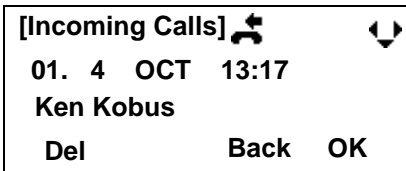
Note: There are two types of incoming call: Answered Call and Missed Call. When history data of missed calls is displayed on the screen, 📵 appears on the top line of the screen.

STEP 5: To view the telephone number of the caller,

press ⊙ (**Right-cursor**).

```
┌─────────────────────────────────┐
│ [Incoming Calls] ☎        ↙      │
│  01.  4  OCT  13:17              │
│  09012345678                     │
│     Del          Back   OK       │
└─────────────────────────────────┘
```

Note: If two or more records exist, use ⊙ key to display the next/former records (or pressing an appropriate digit key). For example, press "0" key to display the tenth record.

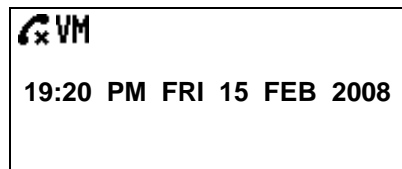**Note:** If no history data is saved, "No data" will be displayed on LCD.

Note: To go back to name display, press ⊙ key. For the telephone without the cursor key, switching between "name" and "telephone number" cannot be performed.

Note: To go back to former menu (STEP 3), press **Back** soft key.

Note: If the telephone number of the caller is not received (due to Caller ID blocking, public phone or out of area, etc.), "Private" is displayed on LCD.
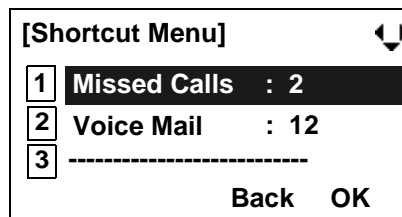
• TO VIEW DATA OF MISSED CALL ONLY

STEP 1: While indicating the current time on LCD, press ⊙ (**Enter**) key to open **Icon Menu** (Shortcut Menu) screen.

```
┌─────────────────────────────────┐
│ ☌x VM                           │
│                                  │
│  19:20  PM  FRI  15  FEB  2008   │
│                                  │
│                                  │
└─────────────────────────────────┘
```

**Note:** ☌x indicate that the telephone has received a missed call.

VM indicate that the telephone has received a voice mail.

STEP 2: Select ①1 **Missed Calls** and then press ⊙ (**Enter**), ⊙ (**Right-cursor**) or **OK** soft key. (or press ①1 key.)

```
┌─────────────────────────────────┐
│ [Shortcut Menu]           ↕      │
│ ┌─┐                              │
│ │1│ Missed Calls   : 2          │
│ └─┘                              │
│ ┌─┐                              │
│ │2│ Voice Mail     : 12         │
│ └─┘                              │
│ ┌─┐                              │
│ │3│ --------------------------  │
│ └─┘              Back   OK       │
└─────────────────────────────────┘
```

Note: When voice mail service is not used, "②2 -----------" is displayed instead of "②2 Voice Mail".

STEP 3: The history data of the last received call is displayed. If name information of the caller exists, the name is displayed as follows:

```
[Incoming Calls] ☎            ↕
01.  4   OCT   13:17
Ken Kobus
   Del              Back   OK
```
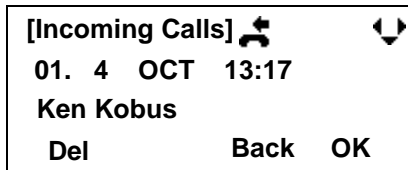
Note: If two or more records exist, use 🔘 key to display the next/former records (or pressing an appropriate digit key).For example, press "0" key to display the tenth record.

Note: To go back to former menu (STEP 3), press **Back** soft key.

Note: If the telephone number of the caller is not received (due to Caller ID blocking, public phone or out of area, etc.), "Private" is displayed on LCD.

TO MAKE A CALL FROM CALL HISTORY DT330

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 an incoming call is displayed.

```
[Incoming Calls]              ↕
01.  4   OCT   13:17
Ken Kobus
   Del              Back   OK
```
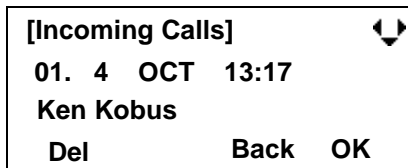
STEP 2: Press 🔘 (**Enter**) key while the history data for the target telephone number is displayed on LCD.

Note: While the history data is displayed, the user cannot make a call by dialing a telephone number.

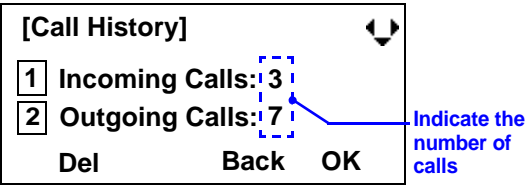**Note:** If a dialing error occurs, the following error message appears.

```
Dialing Error


              Back
```
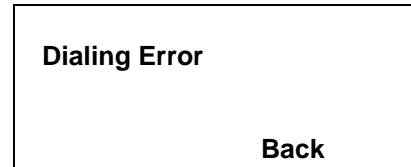
TO DELETE ALL DATA DT330

STEP 1: On the Menu screen, select **1** **Call History** and then press ● (**Enter**), ◉ (**Right-cursor**) or **OK** soft key. (or press **1** key.)

```
[Menu]                          ↕
 1  Call History
 2  Directory
 3  Settings
                        Back    OK
```
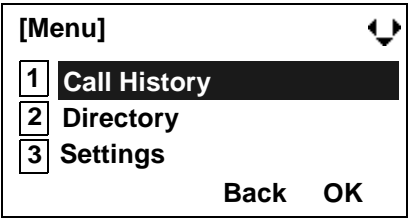
STEP 2: Select a kind of calls and then press ● (**Enter**), ◉ (**Right-cursor**) or **OK** soft key (or press an appropriate digit key). In this example, **1** **Incoming Calls** is selected.

Item	Description
Incoming Calls	To delete all the history data of incoming calls.
Outgoing Calls	To delete all the history data of outgoing calls.

```
[Call History]                  ↕
 1  Incoming Calls: 3
 2  Outgoing Calls: 7
    Del          Back    OK
```
Indicate the number of calls

STEP 3: Press **Del** soft key. The display changes as follows:

```
[Incoming Calls]
 Delete All

                        Back    OK
```
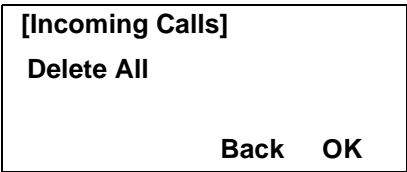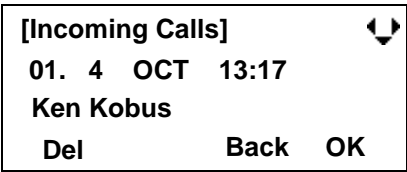
Note: To cancel the data deletion, press ◉ or **Back** soft key.
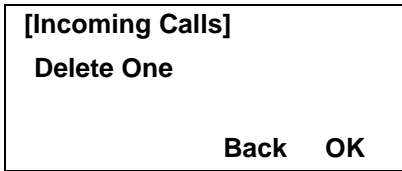
STEP 4: Press ● (**Enter**) or **OK** soft key to delete all the history data of selected call type.

TO DELETE A SPECIFIC DATA DT330

STEP 1: Display the call history data which you want to delete (see TO VIEW CALL HISTORY). The following is an example when the history data of an incoming call is displayed.

```
[Incoming Calls]                ↕
 01.  4  OCT   13:17
 Ken Kobus
 Del          Back    OK
```

STEP 2: Press **Del** soft key. The display changes as follows:

```
┌─────────────────────────────────┐
│  [Incoming Calls]               │
│   Delete One                    │
│                                 │
│                    Back    OK   │
└─────────────────────────────────┘
```

Note: To cancel the data deletion, press �’ or **Back** soft key.

STEP 3: Press 🔘 (**Enter**) or **OK** soft key to delete the selected history data.

7. SPECIFICATIONS

TECHINICAL SPECIFICATIONS

The following shows the technical 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 panel			Side panel	
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

8. Menu List

MENU LIST FOR DT330 Series

Menu Item	Description
Menu	Press **Menu** key while indicating the current time on LCD.
1 Call History	To view call history data.
2 Directory	To access Phonebook feature. For details, see PHONEBOOK in chapter 5.
3 Settings	To make the user setting of DT Series.

Menu List For **1** Call History

Menu Item	Description	Default Value
1 Call History		
1 Incoming	Displays the history of incoming calls. The user can also make a call from this menu.	-
3 Outgoing	Displays the history of outgoing calls. The user can also make a call from this menu.	-

Menu List For ③ Settings

Menu Item	Description	Default Value
3 Settings		
1 Ring Volume	Adjust the ringer tone volume.	Level 7
2 Off Hook Ring	Enable/disable Off-hook ringing.	Enable
3 Back Light	Enable/disable the backlights of LCD and digit keys.	Enable
4 Headset	Enable/disable the ringing of headset.	Disable
5 Peripherals	Not used.	-