NEAX®2400IPX
Internet Protocol eXchange

DTERM®
SERIES i
DTERM®
IP

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USER GUIDE

NEC

TABLE OF CONTENTS

KEYS AND LAMPS

PROGRAMMABLE KEYS

These are examples of Dterm® features available by pressing the programmable keys. Some features may be programmed by the user. Keys 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.

FWD

Press key to activate or cancel "Call Forwarding – All Calls" feature.

FWD-A

Press key to activate, verify or cancel "Call Forwarding – Don't Answer" feature.

MICM

Press key to activate "Manual Intercom."

MULTILINE APPEARANCE

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

LCD

Liquid Crystal Diode (LCD) display provides Dterm activity information plus date, time and Soft Key operation.

LED

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

LAMPS

Call Indicator Lamp

Lamp at top of Dterm Display flashes when a call terminates to the terminal. Lamp lights steadily when a message has been left.

FUNCTION KEY ACTIVITIES

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 Dterm® Series i/Dterm IP 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 blinking names of available functions, names of user-assigned functions and names of functions assigned by a specific Soft Key pattern. The Soft Keys displayed can vary, depending on the state of the phone and/or when the Next/Previous button is pressed.

Note: Soft Key functionality is optional and may not be available on your Dterm Series i/Dterm IP telephone.

```
                            4051
        7:35 AM  MON  18  JUL  2002
            MIC   DND          >>>
    Exit                              Help
```

Exit Key

Press the **Exit** key to exit the Help program.

Help Key

Press the **Help** key. Press 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 allow denying access to
the station line for incoming calls.

DEFAULT FUNCTION 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 state of the call, as
shown below.

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

IDLE
```
              (Time Display)
        MIC   DND          >>>
```

DIAL TONE/
DIALING
```
(1)           (Time Display)
        MIC   PICK   FDA   >>>
```

```
(2)           (Time Display)
        FDN   FDB          >>>
```

RINGING

```
            (Time Display)
     MIC   VOICE        >>>
```

BUSY

(1)
```
     BUSY               2000
            (Time Display)
     MIC    CB    CW    >>>
```

(2)
```
     BUSY               2000
            (Time Display)
     S&R              >>>
```

CONNECTION

```
                       2000
            (Time Display)
     MIC    DND       >>>
```

CONSULTATION
HOLD

```
     TRANSFER          2000
            (Time Display)
     MIC    CONF      >>>
```

Soft Key Features

When the Soft Key corresponding to a desired function name is operated, the selected function name starts to blink on the LCD. The blinking display of available functions takes precedence over the display of functions specified by the Soft Key pattern.

FDB (Call Forwarding – Busy)

Permits a call to a busy station to be immediately forwarded to a predesignated station.

FDA (Call Forwarding – All Calls)

Permits all calls destined for a particular station to be routed to another station regardless of the busy or idle status of the called station.

HOLD (Call Hold)

Permits a station user to hold a call in progress and to return to the previously held call.

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.

PICK (Call Pickup – Group)

Permits a station user to answer any call 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 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.

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.

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.

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.

GPICK (Call Pickup – Group Enhancement)

Allows the user to answer any ringing station within the user's expanded call pickup group.

CKEEP (Eight-Party Conference Retrain)

Allows all outside parties to stay on a conference when all internal parties hang up.

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.

>>> (Display Function Next Page)

Allows the user to scroll to the next display screen.

<<< (Display Function Previous Page)

Allows the user to scroll to the previous display screen.

TERMINAL SETUP WITH THE UP/DOWN KEY

● ●

Note: Not Displayed for Dterm 65/Dterm Series III and Dterm 75/Dterm Series E mode.
Dterm Series III/Dterm Series E : North America
Dterm 65/Dterm 75 : Australia, Asia, Latin America, Middle East, Russia

TO ADJUST THE HANDSET RECEIVER VOLUME

◆ Press the ▲ or ▼ key in the off-hook status or engaged in a call.

LCD display for North America, Latin America, Asia, Middle East and Russia.

HANDSET ▪ ▪ ▪ ▪ --------------

LCD display for Australia.

HANDSET ▪ ▪ ▪ ▪ ▪ ------------

To ADJUST THE SPEAKER VOLUME

◆ Press the ▲ or▼ key during speakerphone operation or engaged in a call.

```
SPEAKER ■■■■■■■■■■■■---
```

To ADJUST RINGER TONE

◆ Press the ▲ or▼ key during ringing.

```
RING   ■■■■■■■■----------
```

To ADJUST LCD CONTRAST

◆ Press the ▲ or▼ key in the on-hook status.

```
LCD    ■■■■■--------------
```

TERMINAL SETUP WITH THE FEATURE KEY

● ●

MICROPHONE ON/OFF

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

To change microphone status:
◆ Press Soft Key associated with the MIC Display or press **Feature** and **1**.

To ADJUST INITIAL RECEIVING VOLUME

Handset receiver volume can be changed.

To change the handset receiver volume:
◆ Press **Feature** and **2**. The LCD displays the current volume status.

```
RCV VOL.              SMALL
          (Time Display)
```

◆ Press **Feature** and **2** to alternate between Large and Small volume.

RCV VOL.	LARGE
(Time Display)	

TO SELECT RINGER TONE

The Dterm Series i/Dterm IP has nine kinds of ringer tones that you can select.

◆ Press **Feature** and **3**. The LCD displays the selected tone number (n=1 ~ 9).

RINGER TONE	n
(Time Display)	

Note: Tone number 5~9 may not be available in all feature packages.

TONE NO.	FREQUENCY (Hz)	MODULATION (Hz)
1	520/660Hz	16Hz
2	520/660Hz	8Hz
3	1100/1400Hz	16Hz
4	660/760Hz	16Hz
5	MELODY 1	
6	MELODY 2	
7	MELODY 3	
8	MELODY 4	
9	MELODY 5	

To adjust transmission/ receiving volume

Handset volume can be changed.

◆ Press **Feature** and **4**.
The LCD displays
the current volume.

T/R VOL.	SMALL
(Time Display)	

◆ Press **Feature** and **4**
again to alternate
between Small and
Large volume.

T/R VOL.	LARGE
(Time Display)	

To activate hands-free

To set hands-free on:

◆ Press **Feature** and **5**.
The LCD displays:

HANDS FREE	ON
(Time Display)	

To set hands-free off:

◆ Press **Feature** and **6**.
The LCD displays:

HANDS FREE	OFF
(Time Display)	

Call Indicator lamp on/off

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

◆ Press **Feature** and **7**.
The LCD displays:

Direct Dial Pad	ON
(Time Display)	

INDICATOR	OFF
(Time Display)	

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

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 converse.

◆ Display indicates:

Elapsed time	Trunk type	Trunk number
15:39	DDD	3
	(Time Display)	

TO ORIGINATE AN INTERNAL CALL

●●●●●●●●●●●●●●●●●●●●●●●●●●●

◆ Lift handset or press **Speaker** key.

◆ Receive dial tone.

◆ Dial desired station number. Display indicates digits dialed.

◆ Use handset or MIC to converse.

MULTILINE APPEARANCE

TO ORIGINATE

◆ Press the **MULTILINE APPEARANCE** feature key.

◆ Lift handset or press **Speaker**, receive Central Office or distant PBX dial tone.

◆ Dial the destination.

TO ANSWER

◆ Press the **MULTILINE APPEARANCE** feature key (ringing and flashing LED alert user to incoming call).

◆ Lift handset or press **Speaker**.

◆ Speak with incoming party.

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

◆ Press the desired **Speed Call** button, or press **Speaker** and **Speed Call**.

TO PROGRAM

Note: Available only on Dterm stations with speed calling keys.

◆ Press **Feature** button.

◆ Press desired **Speed Call** button.

> **SPEED SET**
> **(Time Display)**

◆ Enter desired telephone number or feature code on the keypad. Display indicates digits dialed.

◆ Press **Feature** again to save the number.

TO VERIFY (WITH DTERM 8D/16D/32D)

◆ Press **Feature** button.

◆ Press desired **Speed Dial** button.

◆ Display indicates digits programmed.

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

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

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

Note 4: Speed calling for feature access:
Speed call keys may use a feature key by storing the NEAX2400 IPX feature access code. The feature may be programmed on a system basis by the PBX engineer.

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.

TO ORIGINATE A CALL USING SPEED CALLING (INDIVIDUAL/GROUP)

● ●

◆ Press the **Redial** button.

◆ Press the desired speed calling number.

```
LNR[*]/SPD[_ _]          -X
                    XXXXXX
```

TO ORIGINATE A CALL USING SPEED CALLING – SYSTEM

● ●

TO PROGRAM SPEED CALLING – SYSTEM KEY (ON ONE-TOUCH SPEED CALLING KEY)

◆ Press **Feature** key.

◆ Press desired one-touch speed key. The LCD displays previously stored digits.

> **SPEED SET**
> (Time Display)

◆ Dial the "Speed Calling – System" access code and the abbreviated call code.

◆ Press **Feature** again.

TO OPERATE FROM THE SPEED CALLING – SYSTEM KEY

◆ Press the **"Speed Calling – System"** key.

> **XXXX**
> (Time Display)

◆ If the Dterm does not have the "Speed Calling – System" key, dial the "Speed Calling – System" access code, then the abbreviated call code.

TO OPERATE FROM THE DIRECTORY KEY

◆ Press the **Directory** key.

> **XXXX**
> (Time Display)

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

VOICE CALL

●●●●●●●●●●●●●●●●●●●●●●●●●●●●●

◆ Lift handset.

◆ Dial desired station number.

◆ Press **Voice**.

```
VOICE                    2000
              (Time Display)
```

◆ Speak to called
  party.

USING THE SOFT KEY

◆ Lift handset.

◆ Dial desired station
  number; **VOICE** Soft
  Key appears while
  station is ringing.

```
                         2000
              (Time Display)
MIC   VOICE          >>>
```

◆ Press **VOICE** Soft Key. Speak to called party.

Note 1: A Voice Call may be programmed on a
one-touch speed key by pressing **Speed Dial** button,
dialing the extension and pressing the **Transfer** key.
(**V** displays if programming on an LCD Display
Dterm. Save by pressing Speed Dial again.)

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

```
VOICE BUSY
              (Time Display)
```

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

```
VOICE REST
              (Time Display)
```

TO ANSWER A VOICE CALL HANDS-FREE

•••••••••••••••••••••••••

◆ Receive incoming Voice Call.

◆ Press the **MIC** Soft Key
   or **Mic.** LED lights.

◆ Respond hands-free.

```
                          Calling station
VOICE                    2001
          (Time Display)
```

NOTE: If privacy is
required, lift handset.

AUTOMATIC INTERCOM

•••••••••••••••••••••••••

TO INITIATE

◆ Lift handset or press **Speaker** key.

◆ Press the **AICM** key.

◆ Hear ringback
   tone.

```
                          Called party
ICM                         2
          (Time Display)
```

TO ANSWER

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

```
                          Calling party
ICM                         1
          (Time Display)
```

◆ Press **AICM**, lift handset or press **Speaker**. 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).

MANUAL INTERCOM

TO INITIATE

Called party

◆ Press **MICM**, lift handset or press **Speaker**, ringback tone is heard.

ICM	2
(Time Display)	

◆ Press the **SIG** key if it is desired for the called station to hear ringing.

TO ANSWER

Calling party

◆ MICM key flashes, indicating an incoming call. Ring tone may also be heard.

ICM	1
(Time Display)	

◆ Press **MICM**.

◆ Lift handset or press **Speaker**, 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).

DIAL INTERCOM

●●●●●●●●●●●●●●●●●●●●●●●●●●●●

To INITIATE

◆ Lift handset or press the **Speaker** key.

◆ Press **DICM** key.

Called party

ICM	2
(Time Display)	

◆ Dial desired intercom station number. Receive ringback tone.

To ANSWER

Calling party

ICM	2
(Time Display)	
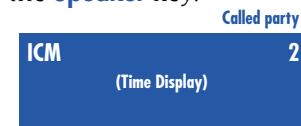
◆ **DICM** LED flashes, indicating an incoming intercom call.

◆ Press **DICM**.

◆ Lift handset or press **Speaker**. 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 the **Hold** key.)

TO PLACE A CALL ON HOLD

● ●●

◆ Press **Hold**. Held line wink flashes.

	Held station number
HOLD	**2001**
(Time Display)	

Note: If held line appears on other Dterm stations, the associated LED flashes red slowly.

To retrieve

◆ Lift handset or press **Speaker**.

◆ 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 1: A transfer or conference call may be placed on hold depending on software level of the NEAX2400 IPX.

Note 2: Hold shows as a flashing green LED on your phone. The same line on other phones shows as a flashing red LED. **Recall** shows as a flashing green LED on your phone and flashing red LED on other phones with the same line.

TO PLACE A CALL ON EXCLUSIVE HOLD

● ●

◆ Press **Hold** twice. Line appearance indicates interrupted wink.

Held station number

E_HOLD	2001
(Time Display)	

Note: If held line appears on other Dterm stations, LED remains steadily lit red.

TO RETRIEVE

◆ Lift handset or press **Speaker**.

◆ Press held line. Use handset to converse.

Note: Only the Dterm 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

• •

◆ After conversing, ask party to hold.

◆ Press **Transfer**. Receive interrupted dial tone.

TRANSFER	
	(Time Display)

Transferred station or trunk number

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

TRANSFER	2001
	(Time Display)

Transferring station

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

TRANSFER 2000	DDD 3
	(Time Display)

CONFERENCE

●●●●●●●●●●●●●●●●●●●●●●●●●●●

◆ With call in progress, ask party to hold.

◆ Press **Transfer**, receive interrupted dial tone.

◆ Dial desired number.

◆ After call is
answered, press
Conf. Conf LED
lights.

CONF	
	(Time Display)

◆ Three-way conference is established.

USING THE SOFT KEY

◆ With a call in progress, press **Transfer** and dial desired number.

◆ After call is
answered, press
CONF Soft Key.

CONF		
	(Time Display)	
MIC		**>>>**

◆ Three-way conference is established.

◆ If one party hangs up, other two remain connected. **Conf** LED goes out.

TO ESTABLISH A
BROKER CALL

●●●●●●●●●●●●●●●●●●●●●●●●   ●●●●●●●●●●●●●●●●●●●●●●●●●

◆ While engaged in a call and wishing to
  consult a third party, press **Transfer**. Caller is
  automatically placed on hold.

◆ Dial desired party to consult.

◆ Press **Transfer** 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.

CALL PICK-UP (GROUP)

●●●●●●●●●●●●●●●●●●●●●●●●●●●●●

WHEN A 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** and dial "Call Pick-up" access code. The original party is placed on hold.

Called station	Calling party
PICK UP 2000 DDD	3
(Time Display)	

USING THE SOFT KEY

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

◆ Connection to calling party is established.

	Called station	Calling party
PICK UP	2000	2001
	(Time Display)	
MIC		>>>

CALL PICK-UP (DIRECT)

●●●●●●●●●●●●●●●●●●●●●●●●●●●●

TO PROGRAM PICK-UP DIRECT KEY (ONE-TOUCH SPEED KEY)

◆ Press **Feature**.

◆ Press one-touch speed key.

◆ Dial "Direct Call Pick-up" access code.

◆ Press **Feature** again.

WHEN A STATION WITHIN THE SYSTEM RINGS

◆ Lift handset, receive dial tone.

◆ Press **PICK-DIRECT** and dial the station number to be picked up.

– OR –

◆ Dial "Direct Call Pick-up" access code and the station number to be picked up.

◆ Connection to calling party is established.

	Called station	Calling party
PICK UP	**2000 DDD**	**3**
	(Time Display)	

◆ If busy, original call must be placed on hold before new call can be picked up.

OFF-HOOK TRUNK QUEUING

- ◆ Press **Speaker**, receive dial tone.

- ◆ Dial "Off-hook Queuing" access code.

- ◆ 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.

LAST NUMBER REDIAL

TO RECALL THE LAST NUMBER DIALED

◆ Press **Redial**. Last number dialed is displayed.

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

◆ Pres ✳ (Note)
The number on
the display is
automatically redialed.

LNR[# or ✳]/SPD[_ _]   -X
XXXXXX

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

Note:
μ-law Countries: ✳

CALL FORWARDING – ALL CALLS

●●●●●●●●●●●●●●●●●●●●●●●●●●●●

To set

◆ Press **Speaker**. 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 Dterm of the multiline station you are setting).

◆ Press **Speaker.** Call Forwarding – All Calls is set.

> Forwarding station
> **FORWARD SET**   **2000**
> (Time Display)

Using the Soft Key

◆ Press **FDA** Soft Key. Receive special tone.

◆ Dial destination; wait for service set tone.

◆ "FORWARD SET" is displayed, Call Forwarding for all calls is set.

> **FORWARD SET**
> (Time Display)
> **MIC**   **>>>**

To verify (with Dterm 8D/16D/32D)

◆ Press **FWD**.

◆ Display indicates the station number calls are forwarded to.

Note 1: If recipient station is a Dterm 8D/16D/32D, LCD displays:

> Forwarding station
> **FORWARD**   **2000**
> (Time Display)

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

To cancel

◆ Press **Speaker**. Receive dial tone. If cancelling for another station, press **MULTILINE APPEARANCE**.

◆ Press **FWD** or dial "Call Forwarding – All Calls" cancel

FORWARD CANCEL
(Time Display)

code. Receive service set tone. LED goes out at your station (or the Dterm of the multiline station).
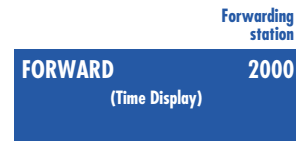
◆ Press **Speaker**. Call Forwarding – All Calls is cancelled.

Using the Soft Key

◆ Press **FDA** Soft Key.

◆ Receive service set tone and "FORWARD CANCEL" is displayed.

FORWARD CANCEL	
(Time Display)	
MIC	>>>

CALL FORWARDING – BUSY LINE

● ●

To set

◆ Press **Speaker**. 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** LED lights (at your station or at the Dterm of the multiline station you are setting).

◆ Press **Speaker**. Call Forwarding – Busy Line is set.

FORWARD SET
(Time Display)

Using the Soft Key

◆ Press **FDB** Soft Key. Receive special dial tone.

◆ Dial destination; wait for service set tone.

◆ "FORWARD SET" is displayed; Call Forwarding – Busy Line is set.

```
FORWARD SET
                    (Time Display)
MIC                        >>>
```

To verify (with Dterm 8D/16D/32D)

◆ Press **FWD-BY**.

◆ Display indicates the station number calls are forwarded to.

Note 1: If recipient station is a Dterm 8D/16D/32D, LCD displays:

```
                    Forwarding station
FORWARD                      2000
          (Time Display)
```

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

To cancel

◆ Press **Speaker**. Receive dial tone. If canceling for another station, press **MULTILINE APPEARANCE**.

◆ Press **FWD-BY** or dial "Call Forwarding – Busy Line" cancel code. Receive service set tone. LED goes out at your station (or the Dterm of the multiline station).

```
FORWARD CANCEL
                    (Time Display)
```

◆ Press **Speaker**. Call Forwarding – Busy Line is cancelled.

Using the Soft Key

◆ Press **FDB** Soft Key.

◆ Receive service set tone and "FORWARD CANCEL" is displayed.

```
FORWARD CANCEL
                    (Time Display)
MIC                        >>>
```

CALL FORWARDING – DON'T ANSWER

●●●●●●●●●●●●●●●●●●●●●●●●●●●

TO SET

◆ Press **Speaker**. 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 LED lights (at your station or at the Dterm of the multiline station you are setting).

◆ Press Speaker. Call Forwarding – Don't Answer is set.

> **Forwarding station**
> **FORWARD SET**   **2000**
> **(Time Display)**

USING THE SOFT KEY

◆ Press **FDN** Soft Key. Receive special dial tone.

◆ Dial destination; wait for service set tone.

◆ "FORWARD SET" is displayed; Call Forwarding – Don't Answer is set.

> **FORWARD SET**
> **(Time Display)**
> **MIC**   **>>>**

TO VERIFY (WITH DTERM 8D/16D/32D)

◆ If verifying for another station, press **MULTILINE APPEARANCE** while idle.

◆ Press **FWD-NA**.

◆ Display indicates the station number calls are forwarded to.

Note 1: If recipient station is a Dterm 8D/16D/32D, LCD displays:

Forwarding station

FORWARD   2000
(Time Display)
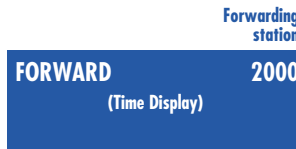
Note 2: Call Forwarding for Busy Line and Don't Answer may be combined depending upon system programming.

Note 3: With Soft Key operation, FDB flashes on the display.

TO CANCEL

◆ Press **Speaker**. Receive dial tone. If cancelling for another station, press **MULTILINE APPEARANCE**.

◆ Press **FWD-NA** or dial "Call Forwarding – Don't

FORWARD CANCEL
(Time Display)

Answer" cancel code. Receive service set tone. LED goes out at your station (or the Dterm of the multiline station).

◆ Press **Speaker**. Call Forwarding – Don't Answer is cancelled.

To cancel

◆ Lift handset or press **Speaker** key; receive Dial Tone.

◆ Dial "Logged Out IP Station – Call Destination" cancel code; receive service set tone.

◆ Replace handset or press **Speaker** key. Logged Out IP Station – Call Destination is canceled.

> **FORWARD CANCEL**
> (Time Display)

Using the Soft Key

◆ Lift handset or press **Speaker** key; receive Dial Tone.

◆ Press **FDL** Soft Key; receive service set tone.

◆ Dial destination station number; receive service set tone.

◆ "Logged Out IP Station – Call Destination" lamp goes off and FDL indication disappears on the LCD.

> **FORWARD CANCEL**
> (Time Display)
> **MIC**   **>>>**

Option 4

◆ Boss presses **Answer** and converses with Secretary. Trunk A is placed on hold.

◆ Boss denies call, presses **Transfer** to return to Trunk A.

◆ Secretary is returned to Trunk B.

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

DO NOT DISTURB

●●●●●●●●●●●●●●●●●●●●●●●●●●

WHILE IDLE (ON-HOOK)

◆ Press **DND**. LED lights.

> DND SET
> (Time Display)

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

TO CANCEL

◆ Press **DND**. LED goes out.

> DND CANCEL
> (Time Display)

USING THE SOFT KEY

◆ Press flashing **DND** Soft Key.

> DND CANCEL
>
> MIC DND   >>>

> Note: **DND** must be programmed by the PBX engineer on a programmable feature key.

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

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

INDEX

LCD DISPLAYS

●●●●●●●●●●●●●●●●●●●●●●●●

15:39   DDD   X

Time elapsed, trunk type and number for outside call. Time elapsed for parked call.

XXX   DDD   X

Parked call retrieved from a remote station, showing the number of the station that parked the call.

C

CALLBACK   XXXX

Call Back is activated, showing called or calling number.

CALLBACK SET   XXXX

Call Back set for busy called station.

CALLPARK SET   X

Incoming call is parked.

CAMP ON   DDD   X

Camped on call placed on hold.

CONF

Three-party conference established.

Conference for Executive Override.

Conference for Privacy Release.

C WAIT   XXXX

OR

C WAIT SET   XXXX

Call Waiting tone sent to or received at busy station show in called or calling number.

Call received on boss' station from secretary's station.

D

DND SET/CANCEL

Do Not Disturb set or canceled.

Direct Dial Pad ON/OFF.

Dynamic Dial Pad status.

E

E-HOLD   XXXX

Station placed on Exclusive Hold.

F

FORWARD   XXXX

Station displays forwarding destination.

Call Forwarding – All Calls.

Call Forwarding – Busy Line.

Call Forwarding – Don't Answer.

Logged Out IP Station – Call Destination.

FORWARD SET/CANCEL

Call Forwarding set or canceled.

Call Forwarding – All Calls.

Call Forwarding – Busy Line.

Call Forwarding – Don't Answer.

Logged Out IP Station – Call Destination.

H

HANDS-FREE   ON/OFF

Hands-free status.

HOLD   XXXX

Station placed on hold.

I

ICM   X

Intercom call with called or calling party number.

Automatic Intercom.

Manual Intercom.

Dial Intercom.

Boss Secretary Transfer.

INDICATOR O/OFF

Indicator Lamp status.

L

LNR[*]/SPD[_]-N

Prompt for last number called or Speed Calling number.

Stack Dial.

LOGIN

The IP Enabled Dterm becomes operational when the user enters "Login Code" and "Password."

LOGOUT

Press preassigned Logout button to logout.

M

MSG XXXX HH:MMPM

Message waiting (calling station and time of message).

MESSAGE BUSY

Called station message memory Busy – cannot store addition messages.

MESSAGE CANCEL

Message erased.

MESSAGE REST

Called Station message receipt restricted – not equipped to receive messages.

MESSAGE SET   XXXX

Message indication left and busy called station.

MW SET/CANCEL

Message Waiting set or canceled on boss' station from secretary's station.

O

OG-Q SET

Outgoing Trunk Queue – call placed in queue for next available outgoing trunk.

OVERRIDE   X

Overriding intercom call through bridging.

Automatic Intercom.

Dial Intercom.

Manual Intercom.

OVERRIDE   XXXX

Executive Override.

P

PICK UP   XXXX   X

Call Pickup of station within group showing called and calling stations.

PAGING   X

OR

PAGING   DDD   X

Ready to page station, page waiting or page call connection.

P-RLS SET

Privacy Release set.

P-RLS ?

Prompt requesting privacy release for incoming call.

PRIVACY SET/CANCEL

Privacy set or canceled.

R

RCV VOL. SMALL/LARGE

Receiver Volume status.

RINGER TONE   X

Ready for Ringer tone selection.

S

SPEED SET

Speed Calling number saved in memory.

T

TRANSFER

Ready to transfer a call.

TRANSFER   XXXX

Transferred station or trunk number.

Page Call Transfer.

TRANSFER   XXXX   X

Transferring station number.

TRANSFER   3

Transferring page call to another station.

T/R VOL. SMALL/LARGE

Transmission Receiving Volume status.

V

VOICE   XXXX

Voice Call showing called or calling station number.

VOICE BUSY/REST

Voice Call station called is busy or restricted.

W

WAIT P-RLS?

Prompt when requesting privacy release at another station.

FACE LAYOUT

●●●●●●●●●●●●●●●●●●●●●●●●●

1 CALL INDICATOR LAMP

Lamp at top corner of Dterm Display flashes when a call terminates to the terminal. Lamp lights steadily when a message has been left.

2 LCD(NOTE1)

Liquid Crystal Diode (LCD) display provides Dterm activity information plus date, time and Soft Key Operation. The LCD display has 24-character, 3-line capability.

3 EXIT

The user can escape from the Help key mode by pressing this key.

4 SOFT KEYS

Any feature shown at the bottom of the LCD display 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 display by pressing this key.

6 PROGRAMMABLE KEYS

[Programmable by telephone system administrator (Flexible Line/Feature Keys)]
• Station line access
• Trunk line access
• Feature access
[Programmable by user (Flexible Line/One-Touch Speed Dial)]
<Flexible Line>
• Station line access

• Trunk line access
• Feature access
<One-Touch Speed Dial> (Note 2)
• Any feature can be assigned.
• Direct station selection
• Station speed dial

7 RECALL

Press key to terminate established call and return to the internal dial tone.

8 FEATURE

Used to activate terminal setup functions and to program One-Touch Speed Dial/Feature Keys.

9 DIRECTORY (NOTE 3)

Press key to activate speed calling – system feature.

10 MESSAGE (NOTE 3)

Press key to access the voice mail system.

11 MIC

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

12 CONF

Press key to establish a three-way conversation. LED on key lights when key is active.

13 LNR/SPD (LAST NUMBER CALL/SPEED CALLING)

Press key to activate redial feature. Press redial and scroll back through numbers that have been dialed until the desired number is displayed. Press the ✻ or # (Note 4) key to activate dialing.

14 MICROPHONE

Built-in microphone is used for hands free operation with speakerphone.

15 UP/DOWN

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

16 ANSWER

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

17 SPEAKER

Controls the built-in speaker which can be used for Hands-free dialing/monitoring. LED on key lights when key is active.

18 TRANSFER

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

19 HOLD

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

20 DTERM IP ADAPTER

Dterm IP adapter can be attached to Dterm Series i 8D/16D/32D terminals. It supports the same telephony service as the original Dterm terminal.
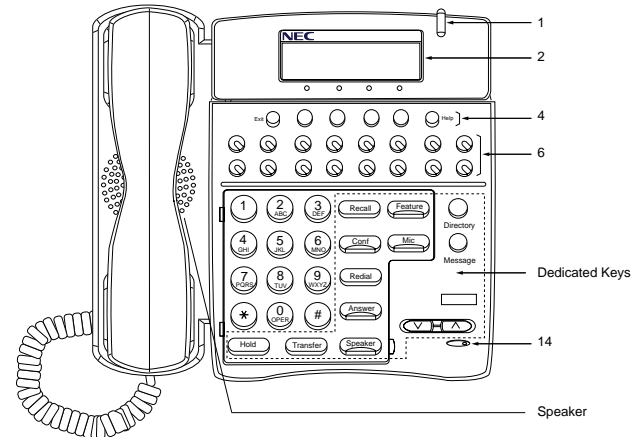
Note 1: Not applicable for Dterm 8.

Note 2: Not applicable for Dterm 8/8D/16D.

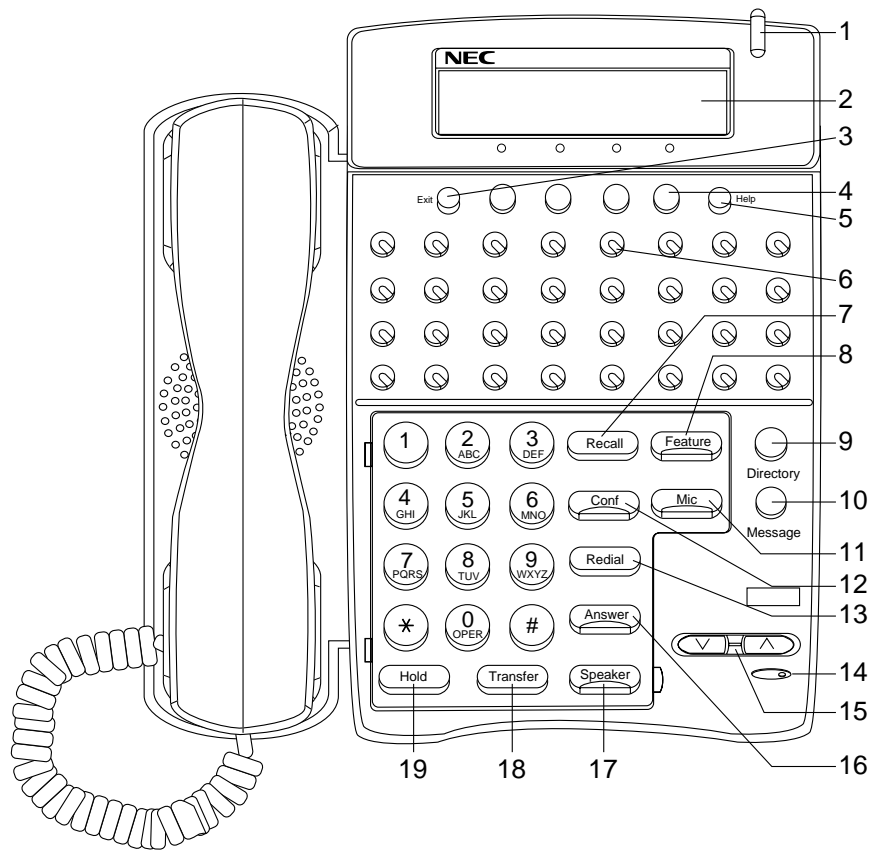Note 3: Not available for Dterm 65/Dterm Series III and Dterm 75/Dterm Series E mode.
Dterm Series III/Dterm Series E: North America
Dterm 65/Dterm 75: Australia, Asia, Latin America, Middle East, Russia

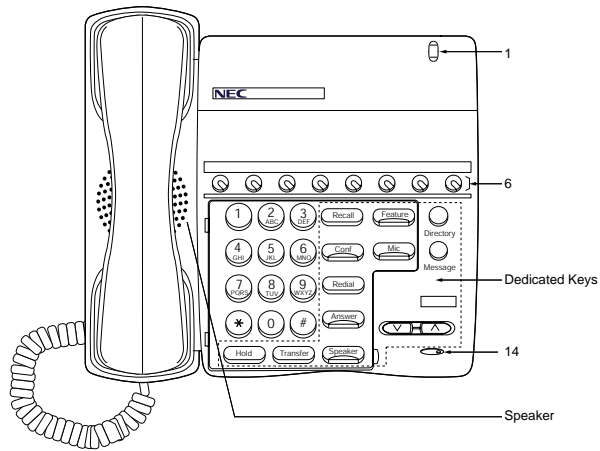Note 4: A-law Countries: #
μ-law Countries: ✳
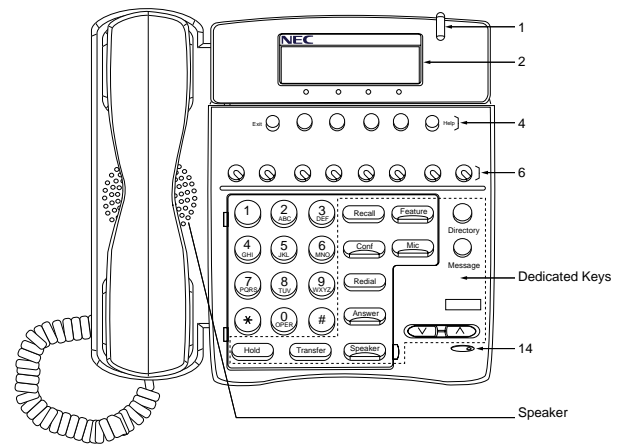(USA uses μ-law)

DTERM16D (16-LINE WITH DISPLAY)

DTERM 32D (32-LINE WITH DISPLAY)

DTERM8 (8-LINE NON DISPLAY)

DTERM8D (8-LINE WITH DISPLAY)

For more information contact:

FPO BAR CODE

188301

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