



UNIVERGE SV9300

UNIVERGE DT920(6D/12D)/DT530 USER'S GUIDE

Before using this product and document, please read the following document carefully.
Also, please keep this document to the place where you can see any time.

- Safety Precautions and Regulatory Notices for DT Series from the following URL

https://mind.bcom.nec.co.jp/customernet/safety-info/table_t.html

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WARNING

For Customers in Australia

Telephone receivers produce magnetic fields that can attract small metallic objects such as pins or staples.

To avoid injury, do not place the handset where such objects can be picked up.

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The terms and conditions of SLA are not applied to such third party open source software components.

ABOUT THE MARKS USED IN THIS MANUAL

The following table shows the meaning of the marks used in this manual.

MARK	DESCRIPTION
	DT920: Only supported with DT920 Series.
	DT530: Only supported with DT530 Series.
	CAUTION: User level changes cannot be made here, damage to the terminal is possible.
	TIP: Useful tips when using this terminal are described.

TERMS IN THIS MANUAL

The following table shows the terms described in this manual.

TERMS	DESCRIPTION
Dial Tone	You will hear the dial tone from handset when you pick up the hand set. If you press speaker key, you will hear the dial tone from speaker.
Special Dial Tone	If you press the transfer key while you are in conversation with calling party, you will hear the special dial tone.
Ringback Tone	When you dial an extension number, you will hear the ringback tone from handset.

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INTRODUCTION

MODEL LINE UP OF DT920 SERIES

The followings table shows the model line-up of DT920 series.

• ITK-6D/12D

Model Name	Description	Market
ITK-6D/12D-1	6 button /12 button (programmable keys) type Note	North America
ITK-6D/12D-1P	6 button /12 button (programmable keys) type Note	EMEA Note , Asia
ITK-6D/12D-1U	6 button /12 button (programmable keys) type Note	China
ITK-6DG-1A	6 button (programmable keys) type supporting Gigabit Ethernet	Australia
ITK-6DG/12DG-1P	6 button /12 button (programmable keys) type supporting Gigabit Ethernet	EMEA, Asia
ITK-6DG/12DG-1U	6 button /12 button (programmable keys) type supporting Gigabit Ethernet	China



Note: The availability of Gigabit Ethernet can be set by the terminal license setting. For details, contact the system administrator.

MODEL LINE UP OF DT530 SERIES

The followings table shows the model line-up of DT530 series.

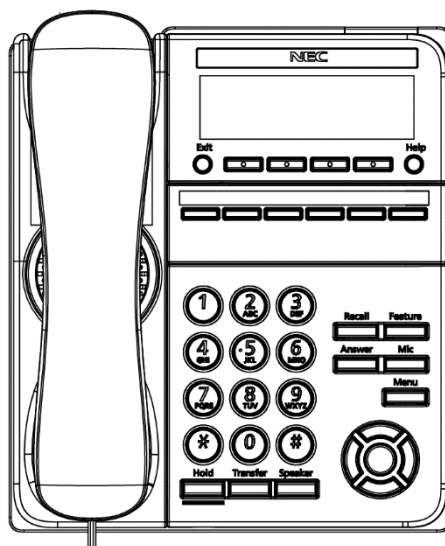
• DTK-12D/24D

Model Name	Description	Market
DTK-12D-1	12 button (programmable keys) type	North America
DTK-12D-1P	12 button (programmable keys) type	EMEA, Asia, China
DTK-24D-1	24 button (programmable keys) type	North America
DTK-24D-1A	24 button (programmable keys) type	Australia
DTK-24D-1P	24 button (programmable keys) type	EMEA, Asia, China

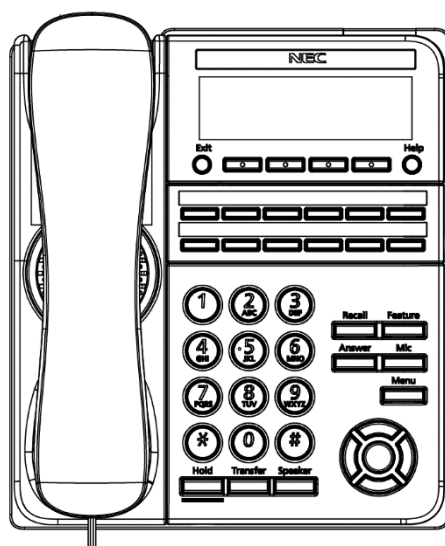
FACE LAYOUT

DT920 SERIES

ITK-6D

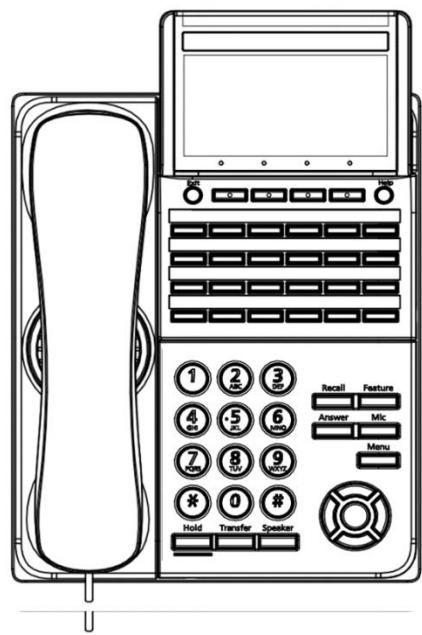


ITK-12D

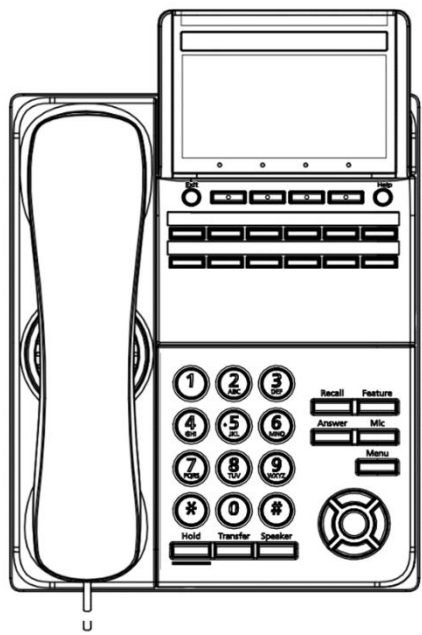


DT530 SERIES

DTK-24D

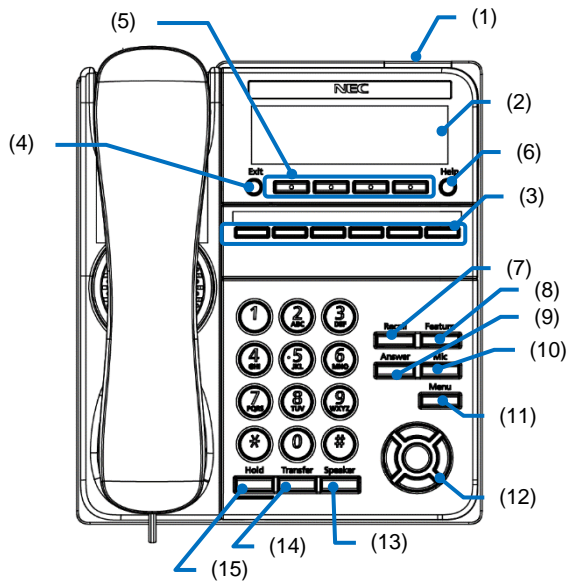


DTK-12D



KEYS AND PARTS

This section explains keys and parts of DT920 Series using ITK-6D as an example.



(1) Call Indicator Lamp

Lamp at the top corner flashes when a call terminates to the terminal.
Also, when Voice Mail service is available, the Lamp lights to indicate there has been a message.

(2) LCD

LCD (Liquid Crystal Display) provides DT Series activity information plus date, time and soft key operation.

(3) 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, you can assign any numbers (ex. Telephone number, etc.) to the key.

* For the assignment of the keys, contact your Telephony Server administrator.

(4) Exit

To exit Menu or Help mode and go back to the time display.

(5) Soft Keys

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

(6) Help

Explanations of the soft keys can be displayed on the LCD by pressing this key.

(7) Recall

Press this key to finish the call and hear the dial tone.

(8) Feature

Used to activate any features as terminal setup functions, and to program One-Touch Speed Dial Keys.

Function Key

Feature + 0 =Volume adjustment of a ringer.
Feature + 1 =Selects microphone on or off
Feature + 3 =Selects ringer tone.

(9) Answer

When LED on this key is lit, press this key to answer an incoming call.

(10) Mic

Press this key to respond hands-free. LED on this key lights during speaker phone operation.

(11) Menu

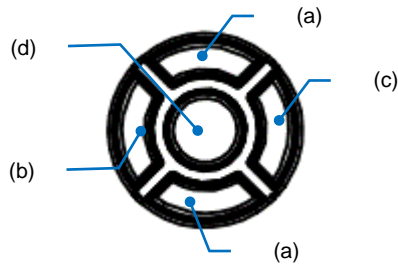
To display the setting menus of terminal, such as Setting and Config.

(12) Cursor

By using this key, user can access to various features with a simple operation.
Also, this key is used as a 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 which corresponds to the highlighted menu item.
Enter	Go to the screen which corresponds to the highlighted menu item.

Details on Cursor Key



(a) UP/DOWN

Used to adjust LCD contrast, speaker/receiver volume, and ringer volume.

- LCD Contrast:
Press the UP/DOWN key while an idle state.
- Speaker/Receiver Volume:
Press the UP/DOWN key during conversation.
- Ringer Volume:
Press the UP/DOWN key during ringing.

(b) Redial

Press this 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.

(c) Directory

Pressing this key opens Phonebook while the station is in an idle state. For details on Phonebook service, see [PHONEBOOK](#).

(d) Enter

Use this key to display the shortcut menu (see [PROGRAMMABLE FEATURE KEYS](#)) and determine the selected item in the menu.

(13) Speaker

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

(14) Transfer

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

(15) Hold

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

MENU

From the **Menu** key, you can display the configuration menu.

DT920

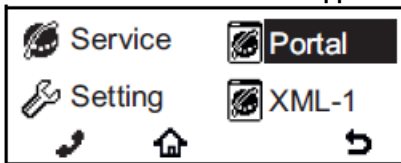
To Display Menu List









1. Press Menu key while the terminal in an idle state. The Menu List is displayed on LCD. Use Cursor Key to select the desired Menu Item. You can also select the Menu Item directly using digit keys.

Main Menu for DT920 without XML application



Main Menu for DT920 with XML application



Menu Item	Digit key to select	Description
 Service	3	To access external XML server. For details, please contact the system administrator. Note: This icon appears only when XML service is used.
 Setting	4	To control settings for ringing volume, LCD display, and music on hold. For details, see SETUP WITH MENU KEY FOR DT920 SERIES .
 Phone	5	To switch from Main Menu to the Portal screen provided by XML application or Phone screen (time indication screen). <ul style="list-style-type: none"> • When Home URL is registered, Portal icon appears. • When Home URL is not registered, Phone icon appears.
 Portal		
 XML-1	6	To display XML application 1 screen. This icon is displayed when an XML application starts with a new window.
 Phone	Soft Key 1	To switch from application screen to phone screen (Time Indication screen).
 Home	Soft Key 2	XML application screen registered in the home URL is displayed. When the home URL is not registered, Home URL icon is not displayed.
 Return	Soft Key 4	To close the main menu and go back to the previous screen.



A Portal screen is the home (entrance) screen of the phone. When you use multiple XML applications, the URL that is registered as the home URL is the Portal screen: this is where other XML applications can be accessed.

DT530

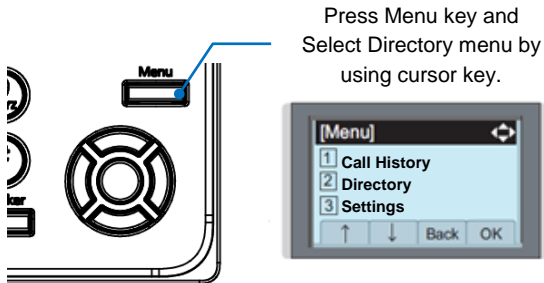
To Display Menu List

Menu Item	Digit key to select	Description
Call History	1	To access Call History
Directory	2	To access Directory
Setting	3	To control settings for ringing volume, LCD display, and music on hold. For details, see SETUP WITH MENU KEY FOR DT530 SERIES .

SIMPLE OPERATION BY MENU KEY AND CURSOR KEY DT530

By using **Menu** key and **Cursor** key, the terminal user can access Call History, Directory and terminal settings with simple operation.

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



SHORTCUT MENU DT530

Terminals has a Shortcut Menu for frequently-used features. You can access to Shortcut Menu by pressing **Enter** key.

Shortcut Menu includes the following features.

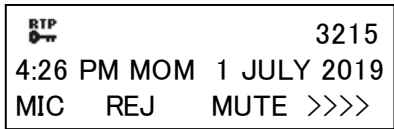
Feature	Description
1 Missed Calls	Access to history of Missed Call.
2 Voice Mail	Access to the Voice Mail System and retrieved message.

DISPLAY

The LCD displays Icons which provide notification when events occur.

DT920

The LCD displays RTP encryption icon which provides notification when the conversation is encrypted.

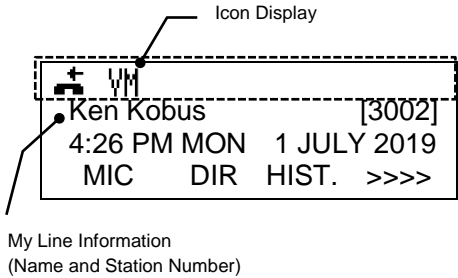


Feature	Icon	Description
Encryption		This icon appears when the conversation is encrypted. This icon is displayed once per 3 seconds.

- The LCD can display the My Line information (name and station number) when the station is in an idle state. My Line is an actual line that is directly associated with station number of the telephone. For the details, please contact the system administrator.
- The icon display setting is enabled at installation. For details, contact the system administrator.

DT530

The LCD of DT530 Series displays Icons which provide notification when events (such as missed a call and a voice mail) occur.



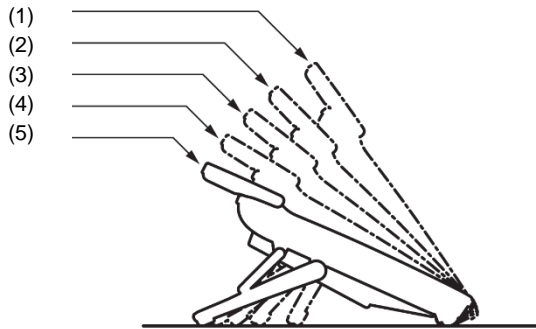
Feature	Icon	Description
Missed Call		This icon appears when there is a missed call. Once you have checked the missed call, this icon will disappear.
Voice Mail		This icon provides notification of received Voice Mail. Once you have checked the Voice Mail, this icon will disappear.
Cursor		This icon appears when you can do cursor operation.

The LCD can display the My Line information (name and station number) when the station is in an idle state. My Line is an actual line that is directly associated with station number of the telephone. For the details, please contact the system administrator.

INSTALLATION PROCEDURE

ADJUSTING ANGLE OF TILT LEG

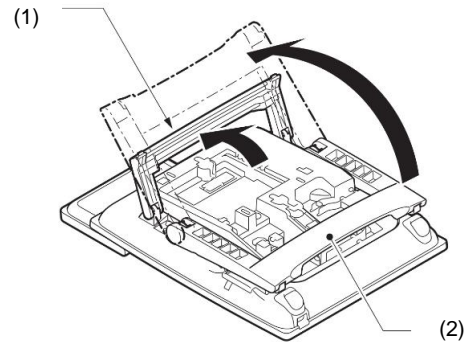
The angle of the tilt leg can be adjusted in 5 levels.



- (1) First Position
- (2) Second Position
- (3) Third Position
- (4) Forth Position
- (5) Fifth Position

Lowering Tilt Legs

1. Turn the terminal over (key side down).
2. Lower Tilt Legs to desired height.

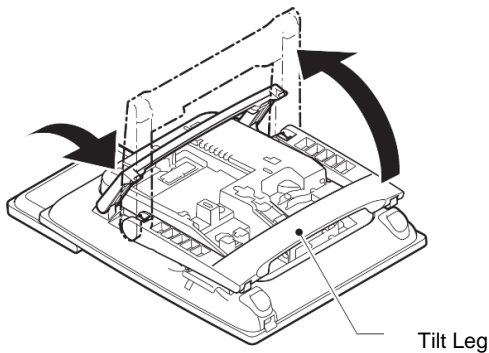


- (1) Stopper
- (2) Tilt Legs

3. Turn the terminal over (key side up).

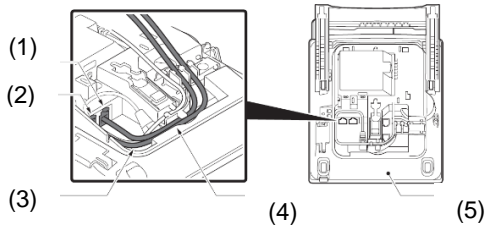
Raising Tilt Legs

1. Turn the terminal over (key side down).
2. Raise Tilt Legs to desired height.



3. Turn the terminal over (key side up).

CONNECTING LAN CABLE DT920



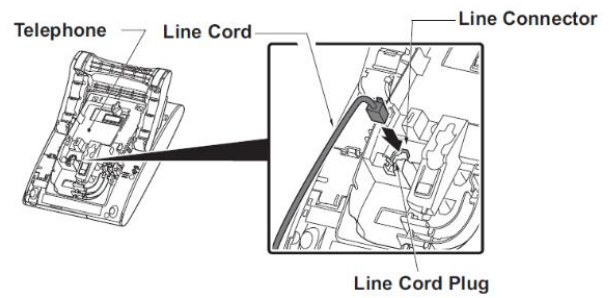
- (1) LAN Cable connector for PC (PC Port)
- (2) LAN Cable connector for the premises
- (3) LAN Cable
- (4) Groove
- (5) Terminal

1. Connect LAN cable to LAN cable connector (LAN (=)) of the terminal.
2. Press the LAN cable into the groove.

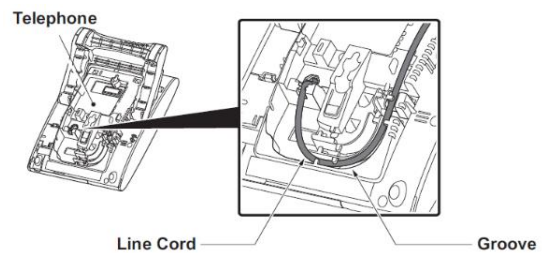


■The availability of Gigabit Ethernet depends on the terminal license setting or the terminal model. For details, contact the system administrator.
 ■1000 BASE-T is available when Gigabit Ethernet is enabled.

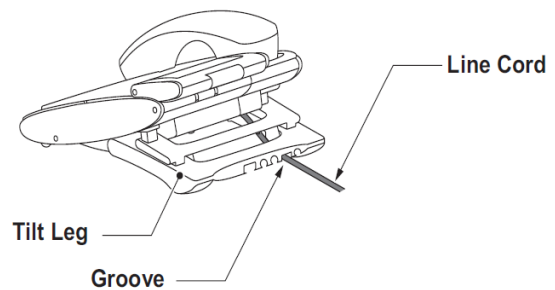
CONNECTING LINE CORD DT530



1. Insert a Line cord plug into the Line connector on the back of the telephone set until you hear it click.
2. Thread the line cord through the groove on the back of the telephone.

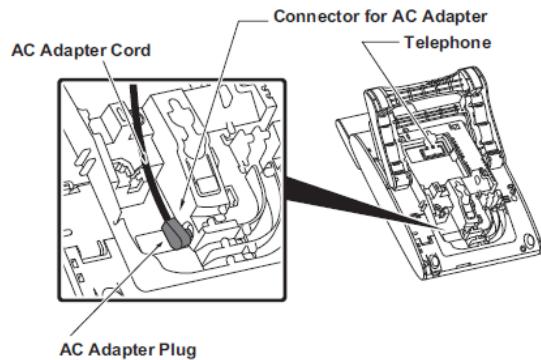


3. Lead the line cord out through the groove on the tilt leg as shown in the figure below.

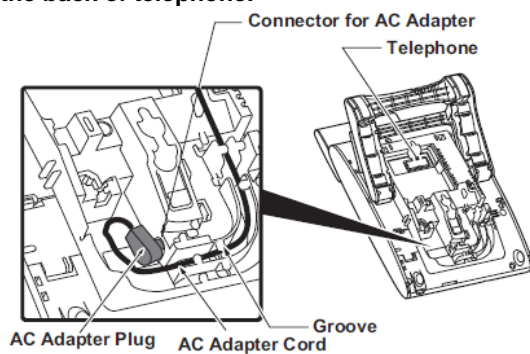


CONNECTING AC ADAPTER DT530

1. Insert the AC adapter plug into the connector of the AC adapter on the back of telephone.



2. Fix the AC adapter cord through the groove on the back of telephone.



When you remove the AC adapter from the terminal, disconnect the LAN cable beforehand.

INSTALLING DIRECTORY CARD

An optional 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.

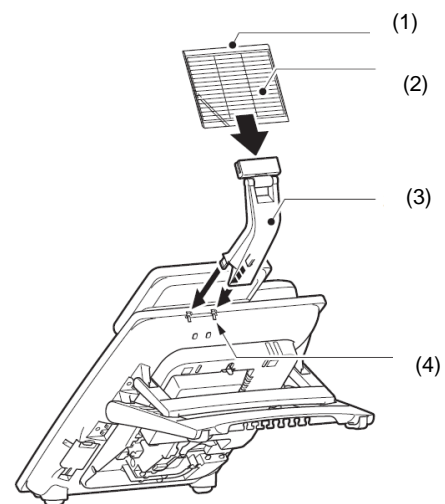


To remove the directory card, pinch both sides of the directory card holder inward until the tabs release and pull the holder out of the grooves.

1. Attach the Directory Card to the Directory Card Holder.
2. Take the protective sheet off from the plastic cover.

The surface of the plastic cover is put out.

3. Push the Directory Card Holder into the grooves on the terminal until they snap into place.

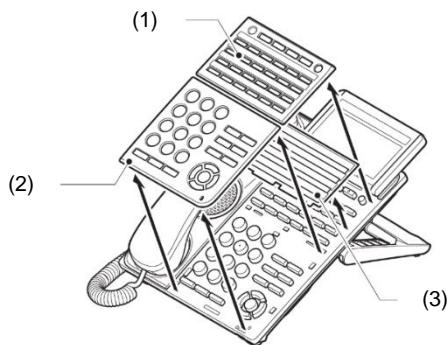


- (1) Plastic Cover
- (2) Directory Card
- (3) Directory Card Holder
- (4) Grooves

INSTALLING/REMOVING LINE KEY CARD

TO REMOVE KEY SET UNIT (LINE KEY PANEL AND LINE KEY CARD)

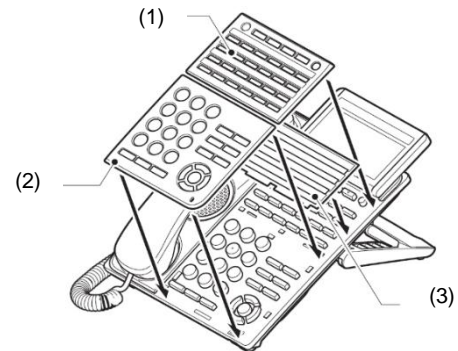
1. Use the small notch at the lower right corner of the terminal to lift the Faceplate up.
2. Remove the Faceplate.
3. Remove the DESI Printer Sheet.



- (1) Line Key Panel
- (2) Face Plate
- (3) DESI Printer Sheet

TO INSTALL KEY SET UNIT (LINE KEY PANEL, BUTTON PANEL, AND LINE KEY CARD)

1. After replacing the DESI Printer Sheet on the terminal, attach the Faceplate.
2. At each corner, press the locking pin back into place.



- (1) Line Key Panel
- (2) Face Plate
- (3) DESI Printer Sheet



Be sure to install the line key panel correctly, or it may cause undesired operation of the terminal.

TERMINAL SETUP

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

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

SETUP WITH UP/DOWN KEY

TO ADJUST HANDSET RECEIVER VOLUME

Press the **UP/DOWN** key in the off-hook status or during the call.

TO ADJUST SPEAKER VOLUME

Press the **UP/DOWN** key during speaker phone operation or during the call.

TO ADJUST RINGER TONE

Press the **UP/DOWN** key during ringing.

TO ADJUST LCD CONTRAST

Press the **UP/DOWN** key in the on-hook status.



For details of configuration setting, please contact the system administrator.

SETUP WITH FEATURE KEY

The available key operations the Feature key + digit keys for DT terminals are as listed below.

- Feature + 0 =Volume adjustment of a ringer.
- Feature + 1 =Selects microphone on or off
- Feature + 3 =Selects ringer tone.

MICROPHONE ON/OFF

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

1. Press the soft key associated with the **MIC** on the LCD or press the **Feature** key and **[1]** key.

TO SELECT RINGER TONE DT530

The terminal have 10 kinds of ringer tones that you can select.

1. Press the **Feature** key and **[3]** key. The LCD displays the selected tone number (n=1 ~ 13).

No.	Frequency(Hz)	Modulation(Hz)
1	520/660	16
2	520/660	8
3	1100/1400	16
4	1100	
5	540	
6	1400/1100 Door Phone	
7	660/760	
8	1100 Envelop	
9	Door Phone Melody	
	Melody 1	
	Melody 2	
	Melody 3	
	Melody 1	
10	Melody4	
	Melody5	
11	C-Major Scale Ring tone	
12	Kanon	
13	Turkish March	



The tone number 5, 6, and 8~13 sound continuously.

SETUP WITH MENU KEY FOR DT920 SERIES DT920

TO ENABLE/DISABLE OFF-HOOK RINGING

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

1. Press Menu key while terminal is in an idle state.
2. Select 1 User Settings.
3. Select 1 Incoming Call.
4. Select 1 Offhook Ring.
5. To disable/enable the off-hook ringing, select 1 Disable or 2 Enable.



- Default setting is 2 Enable.
- The enabled item is highlighted.

TO SET RINGING OF HEADSET

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

1. Press Menu key while terminal is in an idle state.
2. Select 1 User Settings.
3. Select 1 Incoming Call.
4. Select 2 Headset Ring.
5. To disable/enable the ringing of headset, select 1 Disable or 2 Enable.



- Default setting is 1 Disable.
- The enabled item is highlighted.

TO SET RINGER TONE

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

1. Press Menu key while terminal is in an idle state.
2. Select **[1] User Settings**.
3. Select **[1] Incoming Call**.
4. Select **[3] Ring Tone**.
5. Select **[2] Internal Call**.



Do not select "**[1] External Call**".



Ringing Tone which has been selected in "**[2] Internal Call**" will be applied to both external and internal incoming calls.

6. Select a desired tone type. You can preview the designated ringer tone.

For example, press [1] + [5] to select **[15] Music Ring 1**.



The enabled item is highlighted.

NO.	MENU ITEM	FREQUENCY (Hz) 1st	FREQUENCY (Hz) 2nd	REMARKS
[0]	Automatic	520	660	16Hz modulation
[1]	Tone Type 1	520	660	16Hz modulation
[2]	Tone Type 2	520	660	8Hz modulation
[3]	Tone Type 3	1400	1100	Door Phone
[4]	Tone Type 4	1100	1100	No modulation
[5]	Tone Type 5	540	540	No modulation
[6]	Tone Type 6	1100	1400	16Hz modulation
[7]	Tone Type 7	660	760	16Hz modulation
[8]	Tone Type 8	1100	1100	Envelope
[9]	Tone Type 9	-	-	Door Phone Melody
[10]	Tone Type 10	-	-	Melody 1
[11]	Tone Type 11	-	-	Melody 2
[12]	Tone Type 12	-	-	Melody 3
[13]	Tone Type 13	-	-	Melody 4
[14]	Tone Type 14	-	-	Melody 5
[15]	Music Ring 1	-	-	C-Major Scale Ringtone
[16]	Music Ring 2	-	-	Kanon
[17]	Music Ring 3	-	-	Turkish March



- When selecting **Automatic** or not performing this ringer tone setting, **Tone Type 1** is automatically applied.
- When selecting **Automatic**, the preview function will not operate.
- Tone Type 1 to Tone Type 8:
In the preview function, each ringer tone sounds continuously. Actual ringer pattern of each tone is determined by the initial system settings.
- Terminal settings may not become effective, according as the system settings. For details, contact the system administrator.

TO SET ILLUMINATION PATTERN FOR CALL INDICATION LAMP

The procedure below shows how to set the illumination pattern (color of Call Indicator Lamp).

1. Press Menu key while terminal is in an idle state.
2. Select **[1]** User Settings.
3. Select **[1]** Incoming Call.
4. Select **[4]** illumination.
5. Select **[2]** Internal Call.



Do not select "**[1]** External Call".



Illumination which has been selected in "**[2]** Internal Call" will be applied to both external and internal incoming calls.

6. Select a desired pattern.



The enabled item is highlighted.

TO ENABLE/DISABLE RTP ALARM

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

1. Press Menu key while terminal is in an idle state.
2. Select **[1]** User Settings.
3. Select **[2]** Talk.
4. Select **[1]** RTP Alarm.
5. Select **[0]** Automatic, **[1]** Disable or **[2]** Enable (see the following table).

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



- For the setting on the System, contact the system administrator.
- The enabled item is highlighted.

TO ENABLE/DISABLE DTMF TONE

The procedure below shows how to enable/disable DTMF Tone.

1. Press Menu key while terminal is in an idle state.
2. Select **[1]** User Settings.
3. Select **[2]** Talk.
4. Select **[2]** DTMF Tone
5. Select **[0]** Automatic, **[1]** Disable or **[2]** Enable (see the following table).

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



- For the setting on the System, contact the system administrator.
- The enabled item is highlighted.

TO SET KEY TOUCH TONE

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

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[2]** Talk.
4. Select **[3]** Key Touch Tone.
5. Select **[0]** Automatic, **[1]** Disable or **[2]** Tone.



- When **[0]** Automatic is set, the default setting is applied.
- The enabled item is highlighted.

TO SET MUSIC ON HOLD

The procedure below shows how to set music on hold to be heard by the terminal's user.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[2]** Talk.
4. Select **[4]** Hold Music.
5. Select a desired music on hold. You can preview the designated music on hold.

Select **[1]** Default when the default data (Minuet) is used as music on hold. Select **[2]** Download when a downloaded data is used as music on hold.



When selecting Download, the music on hold file must be downloaded in advance. If there is no downloaded file, you hear no tone in the preview function (in actual operating conditions, "Minuet" is automatically applied).

TO SET CALENDAR FORMAT

The procedure below shows how to set the time display pattern on the LCD.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[3]** Display.
4. Select **[1]** Calendar Format.
5. Select **[1]** Calendar Format.
6. Select a desired setting from the following list.

No.	Menu	Meaning
0	Automatic	Follows the setting on the system
1	Type 1	7:25 AM MON 23 MAR 2015
2	Type 2	23 MAR MON 7:25AM
3	Type 3	7:25AM MAR 23 MON
4	Type 4	3-23 MON 7:25AM
5	Type 5	7:25AM MON 23 MAR



- Default setting is Automatic.
- The enabled item is highlighted.

TO SET TIME FORMAT

The procedure below shows how to set time display with a 12-hour or 24-hour clock format.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[3]** Display.
4. Select **[1]** Calendar Format.
5. Select **[2]** Time Format.
6. Select desired setting from the following list.

No.	Menu Item	Meaning
0	Automatic	Follows the setting on the system (default)
1	12 hour Indication	12-hour clock
2	24 hour Indication	24-hour clock



- When selecting Automatic or not performing this time format setting, 12-hour clock is automatically applied.
- Default setting is Automatic.
- The enabled item is highlighted.

TO ENABLE/DISABLE VOLUME GAUGE

The procedure below shows how to display the volume levels: handset receiver volume, speaker volume, ringer tone volume and LCD contrast.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[3]** Display.
4. Select **[2]** Local Volume.
5. Select desired setting from the following list.

No.	Menu Item	Meaning
0	Automatic	Each volume gauge is displayed on LCD (default).
1	Disable	Each volume gauge is not displayed on LCD.
2	Enable	Each volume gauge is displayed on LCD.



The enabled item is highlighted.

TO SET SCREEN SAVER

The procedure below shows how to set the Screen Saver. Screen Saver works after the telephone in an idle state for a certain period of time.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[3]** Display.
4. Select **[3]** Screen Saver.
5. Select **[1]** Screen Saver Mode.
6. Select either **[1]** Disable or **[2]** Enable.



- Default setting is **[1]** Disable.
- The enabled item is highlighted.

7. The display goes back to the Screen Saver screen.
When **[2]** Enable is selected on 6, Select **[2]** Wait Time.

Input **Wait Time** to launch the screen saver (1-999min) and then press **Enter** key or the **OK** soft key.



Default value is 120 min.
If the same screen is displayed for a long time, There are cases where LCD burning occur.
To prevent it, recommend you to enable screen saver.

TO ENABLE/DISABLE BACKLIGHT

The procedure below shows how to enable/disable the backlight of LCD.

The backlight illuminates (for approximately 10 seconds) when you press any key or lifts the handset.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[3]** Display.
4. Select **[4]** Back Light.
5. Select desired setting from the following list.

No.	Menu Item	Meaning
1	Disable	Backlights of LCD are disabled.
2	Enable	Lito enterBacklights).



The enabled item is highlighted.

TO SET A LANGUAGE

The procedure below shows how to set a language to be displayed on LCD.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[3]** Display.
4. Select **[5]** Language.
5. Select a desired language.

For example, press [1] + [3] to select **[13]** English.



The enabled item is highlighted.

Each item is displayed in its native language as follows:

- | | |
|----------------------------|--|
| ● [0] Automatic | 0:Telephony Server side's language setting is applied. |
| ○ [1] 日本語 | 1:Japanese |
| ○ [2] NEC English | 2:NEC English |
| ○ [3] NEC Português | 3:NEC Portuguese |
| ○ [4] NEC Español | 4:NEC Spanish |
| ○ [5] NEC Français | 5:NEC French |
| ○ [6] Deutsch | 6:German |
| ○ [7] ITALIANO | 7:Italian |
| ○ [8] Nederlands | 8:Dutch |
| ○ [9] Norsk | 9:Norwegian |
| ○ [10] Dansk | 10:Danish |
| ○ [11] Svensk | 11:Swedish |
| ○ [12] Ελληνικά | 12:Greek |
| ○ [13] English | 13:English |
| ○ [14] Português | 14:Portuguese |
| ○ [15] Español | 15:Spanish |
| ○ [16] Français | 16:French |
| ○ [17] Русский | 17:Russian |
| ○ [18] Türk | 18:Turkish |
| ○ [19] Azərbaycanca | 19:Azerbaijani |
| ○ [20] Român | 20:Romania |
| ○ [21] Polski | 21:Polish |
| ○ [22] Català | 22:Catalan |
| ○ [23] 한국어 | 23:Korean |
| ○ [24] 中文 (簡体字) | 24:Simplified Chinese |
| ○ [25] 中文 (繁体字) | 25:Traditional Chinese |

6. After the selection is completed, press Enter key or the OK soft key.

TO ENABLE/DISABLE BACKLIGHT FADE CONTROL

The procedure below shows how to enable/disable the backlight fade control.

The backlight fades in or fades out when this setting is enabled.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[3]** Display.
4. Select **[6]** Advanced.
5. Select **[1]** Backlight Fade Control.
6. Select desired setting from the following list.

No.	Menu Item	Meaning
1	Disable	Backlight fade control of LCD is disabled.
2	Enable	Backlight fade control of LCD is enabled (default).



The enabled item is highlighted.

TO CHANGE PASSWORD

The procedure below shows how to change the password. This password is used for the following occasion.

- To reset the telephone settings.



Depending on the System Configuration, the expiration date of password can be specified. When the expiration date has passed, the following error message is displayed on the screen. For details, please contact the system administrator.

Password Expired!
Please change your password.
OK



When the password entry ends in failure, the following error message is displayed. In that case, press the **OK** soft key and try again.

Password Error.

OK



When you enter the current password to the **New Pass**, the following error message is displayed. In that case, press the **OK** and enter the password except for the current password.

Can't repeat the previous password.

OK

1. Press Menu key while terminal is in an idle state..

2. Select **[1]** User Settings.

3. Select **[4]** Change Password.

4. The Change Password screen is displayed.

Enter the old password and then press the **DOWN** key or the **Set** soft key.



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

5. Enter the new password and then press the **DOWN** key or the **Set** soft key.

6. Enter the new password again and then press the **Enter** key or the **OK** soft key.



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



In order to ensure the security and avoid the unauthorized use, please be sure to change the password at the time of initial use. The password shall be difficult to guess from a third party. And it shall be changed regularly to keep security level.

7. When the password entry completes successfully, the display changes as follows.

Press the **Enter** key or the **OK** soft key.

Complete.

OK

TO SET USABILITY

The procedure below shows how to set the operation of the **Help** key while pop-up window is displayed.

1. Press Menu key while terminal is in an idle state..
2. Select **[1]** User Settings.
3. Select **[5]** Usability.
4. Select **[1]** Help Key Mode.
5. Select a desired mode of Help key.

No.	ITEM	DESCRIPTION
1	Option Menu	Set the Help key which displays option menu
2	Popup Window	Set the Help key which displays pop-up window

TO RESET TELEPHONE SETTINGS

The procedure below shows how to clear the personal data of the telephone.

1. Press Menu key while terminal is in an idle state.
2. Select **[1]** User Settings.
3. Select **[0]** Setting Reset.
4. Enter the password and then press Enter key or the OK soft key.



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

5. Press Enter key or the OK soft key to clear the personal data of the telephone.

TO DOWNLOAD A FILE

The user can download files for music on hold. When downloading these files, the terminal needs to be connected to the FTP/TFTP/HTTPS server.



- For details on the FTP/TFTP/HTTPS service, contact the system administrator.
- For details on character entry method, see [HOW TO INPUT CHARACTERS](#).

Before starting the download, the IP Address/URI of the FTP/TFTP/HTTPS server must be entered from the terminal.

1. Set up the FTP/TFTP/HTTPS server.

<FTP server>

Put the downloading file into the designated directory of the FTP server.

<TFTP server>

Put the downloading file into a desired directory of TFTP server and then specify it as the directory for downloading.

<HTTPS server>

Put the downloading file into a desired directory of HTTPS server and specify it as the directory for downloading.

2. Press Menu key while terminal is in an idle state..

3. Select **[2]** Download.

4. Select **[3]** Protocol.

5. Select a protocol used by the server which stores the download file, then the display goes back to the Download Menu screen.

When **[1]** FTP/**[3]** HTTPS is selected here, go to **6**.

When **[2]** TFTP is selected here, go to **14**.

6. Select **[4]** Account Settings.

7. Select **[1]** User ID.

8. Enter a User ID by using digit keys, then press Enter key or the OK soft key.

9. The display goes back to the Account Settings screen. Select **[2]** Password.

10. Enter a password by using digit keys, then press the Enter key or the OK soft key.

11. The display goes back to the Account Settings screen. Select **[3]** Folder.

12. Enter the directory where the download file is stored and then press the Enter key or the OK soft key.

13. The display goes back to the Account Settings screen. Press the Enter key or the Back soft key to display the Download Menu screen.

14. Select **[2]** Download Address.

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

After entering the IP address, press the **Enter** key or the **OK** soft key.

16. The display goes back to the Download Menu screen. Select **[1]** Download Files.

17. Select **[1]** Hold Music.

18. The default file name will be displayed.



For the music on hold and ringer tone, the channel of voice output is monaural.

- When downloading a file for music on hold, the default file name is "MOH.wav".

Codec	File Format	Maximum Size	Ringing Time
G.711 μ -law 8kHz	WAVE	256 KB	under 32 seconds

When changing the file name, go to **19**.

When not changing the file name, go to **20**.

19. Press the BK soft key once to delete the default file name and then enter a new file name by using the digit keys.



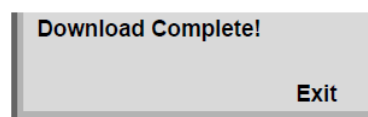
- A maximum of 20 characters ("0-9", "A-Z", "a-z", "*", "#", ".", "_", or "-") can be entered as a file name.
- To delete an entered character, press the **BK** soft key.

20. Press Enter key or the Exec soft key to start the downloading process. While downloading a file, the LCD displays "Downloading..." first and then "Saving..."



Be sure not to turn OFF the terminal while "Saving..." is displayed on the LCD.

21. After the downloading process is completed, the display changes as follows:



The display goes back to the **Download Files** screen with the **Exit** soft key.



When the downloading process ends in failure, "Downloading Failed!" is displayed on the LCD. Check to see the following table and then retry.

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

TO BACKUP PERSONAL SETTINGS

The user can backup personal settings of the terminal to the FTP/TFTP/HTTPS server.
To back up the setting data, the terminal needs to be connected to the network that has FTP/TFTP/HTTPS server.



- For details on the FTP/TFTP/HTTPS service, contact the system administrator.
- For details on character entry method, see [HOW TO INPUT CHARACTERS](#).

Before starting the backup, the IP Address/URI of the FTP/TFTP/HTTPS server must be entered from the terminal.

1. Set up the FTP/TFTP/HTTPS server.

<FTP server>

Confirm the designated directory for the backed up file.

<TFTP server>

Specify a desired destination directory for the backed up file.

<HTTPS server>

Confirm the designated directory for the backed up file.

2. Press Menu key while terminal is in an idle state..

3. Select **[3]** Data Backup/Restore.

4. Select **[4]** Protocol.

5. Select a protocol used by the destination server, then the display goes back to the Backup/Restore screen.

When **[1]** FTP/**[3]** HTTPS is selected here, go to **6**.

When **[2]** TFTP is selected here, go to **14**.

6. Select **[5]** Account Settings.

7. Select **[1]** User ID.

8. Enter a User ID by using digit keys, then press the Enter key or the OK soft key.

9. The display goes back to the Account Settings screen. Select **[2]** Password.

10. Enter a password by using digit keys, then press Enter key or the OK soft key.

11. The display goes back to the Account Settings screen. Select **[3]** Folder.

12. Enter the destination directory of the FTP/HTTPS server and then press Enter key or the OK soft key.

13. The display goes back to the Account Settings screen. Press the Left key or the Back soft key to display the Backup/Restore screen.

14. Select **[3]** Server Address.

15. Enter the IP address/URI of the destination FTP/TFTP/HTTPS server. For example, to set the IP address of 10.41.208.205, enter 10*41*208*205 [separate with an asterisk (*)].

After entering the IP address, press the **Enter** key or the **OK** soft key.

16. The display goes back to the Backup/Restore screen. Select **[1]** Data Backup.

17. The default file name is displayed as follows:



- Do not change the extension of the backup file. The setting data of the telephone can only be backed up as a ".tgz" file.
- When changing the default file name, press the **BK** soft key once to delete the default file name and then enter a new file name by using the digits keys.
- A maximum of 20 characters ("0-9", "A-Z", "a-z", "*", "#", "-", "_", or ".") can be entered as a file name.
- To delete an entered character, press the **BK** soft key.

Press the **Enc** soft key to download the encrypted backup file.
The encrypted backup file name is displayed as "PersonalData.tgz.ef".



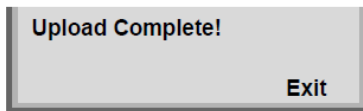
If you make the unencrypted file, press the **NoEnc** soft key.

18. Press the Enter key or the Exec soft key to start the data backup. While making a backup copy, the LCD displays "Uploading..." first and then "Saving..."



Be sure not to turn OFF the terminal while "Saving..." is displayed on the LCD.

19. After the data backup is completed, the display changes as follows:



The display goes back to the **Backup/Restore** screen by the **Exit** soft key.



When the data backup ends in failure, "Upload Failed!" is displayed on the LCD. Check to see the following table and then make a retry.

Check Points	Actions
A different file name is specified between the terminal and the FTP/ TFTP/HTTPS server.	Set the same file name to both the terminal and FTP/ TFTP/HTTPS server.
Incorrect IP address of FTP/TFTP/HTTPS server has been entered from the telephone.	Set the proper IP address of the FTP/TFTP/HTTPS server.
The power to FTP/TFTP/HTTPS server or network equipment is OFF.	Turn on the power.
LAN cable is disconnected.	Reconnect the cable securely.

TO RESTORE PERSONAL SETTINGS

The user can restore the personal settings of the terminal. To download the backup file to the telephone, the terminal needs to be connected to the FTP/TFTP/HTTPS server.



- For details on the FTP/TFTP/HTTPS service, contact the system administrator.
- For details on character entry method, see [HOW TO INPUT CHARACTERS](#).

Before starting the download, the IP Address/URI of the FTP/TFTP/HTTPS server must be entered from the terminal.

1. Set up the FTP/TFTP/HTTPS server.

<FTP server>

Put the backup file you want to restore into the designated directory of the FTP server.

<TFTP server>

Put the backup file you want to restore into a desired directory of the TFTP server and then specify it as the directory for downloading.

<HTTPS server>

Put the backup file you want to restore into a desired directory of the HTTPS server and specify it as the directory for downloading.

2. Press Menu key while terminal is in an idle state..

3. Select **[3]** Data Backup/Restore.

4. Select **[4]** Protocol.

5. Select a protocol used by the server which stores the backup file, then the display goes back to the Backup/Restore screen.

When **[1]** FTP/**[3]** HTTPS is selected here, go to **6**.

When **[2]** TFTP is selected here, go to **14**.

6. Select **[5]** Account Settings.

7. Select **[1]** User ID.

8. Enter a User ID by using digit keys, then press the Enter key or the OK soft key.

9. The display goes back to the Account Settings screen. Select **[2]** Password.

10. Enter a password by using digit keys, then press the Enter key or the OK soft key.

11. The display goes back to the Account Settings screen. Select **[3]** Folder.

12. Enter the directory where the backup file is stored and then press the Enter key or the OK soft key.

13. The display goes back to the Account Settings screen. Press the Enter key or the Back soft key to display the Backup/Restore screen.

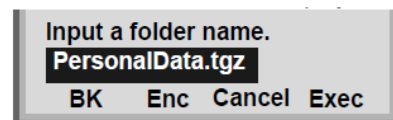
14. Select **[3]** Server Address.

15. Enter the IP address/URI of the FTP/TFTP/HTTPS server which stores the backup file. For example, to set the IP address of 10.41.208.205, enter 10*41*208*205 [separately with an asterisk (*)].

After entering the IP address, press Enter key or the OK soft key.

16. The display goes back to the Backup/Restore screen. Select **[2]** Data Restore.

17. The default file name is displayed as follows:



- Do not change the extension (.tgz) of the backup file. If the extension is changed, the file cannot be restored properly.
- When changing the default file name, press the **BK** soft key once to delete the default file name and then enter a new file name by using the digit keys.
- A maximum of 20 characters ("0-9", "A-Z", "a-z", "*", "#", ".", "-", or "_") can be entered as a file name.
- To delete an entered character, press the **BK** soft key.

Press the **Enc** to download the encrypted restore file. The encrypted restore file name is displayed as "PersonalData.tgz.ef".



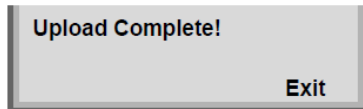
If you make the unencrypted file, press the **NoEnc** soft key.

18. Press the Enter key or the Exec soft key to start restoring the backup data to the telephone. While downloading the backup data, the LCD displays "Downloading..." first and then "Saving...".



Be sure not to turn OFF the terminal while "Saving..." is displayed on the LCD.

19. After the downloading process is completed, the display changes as follows:



The display goes back to the **Backup/Restore** screen by the **Exit** soft key.



When the downloading process ends in failure, "Download Failed!" is displayed on the LCD. Check to see the following table and then make a retry.

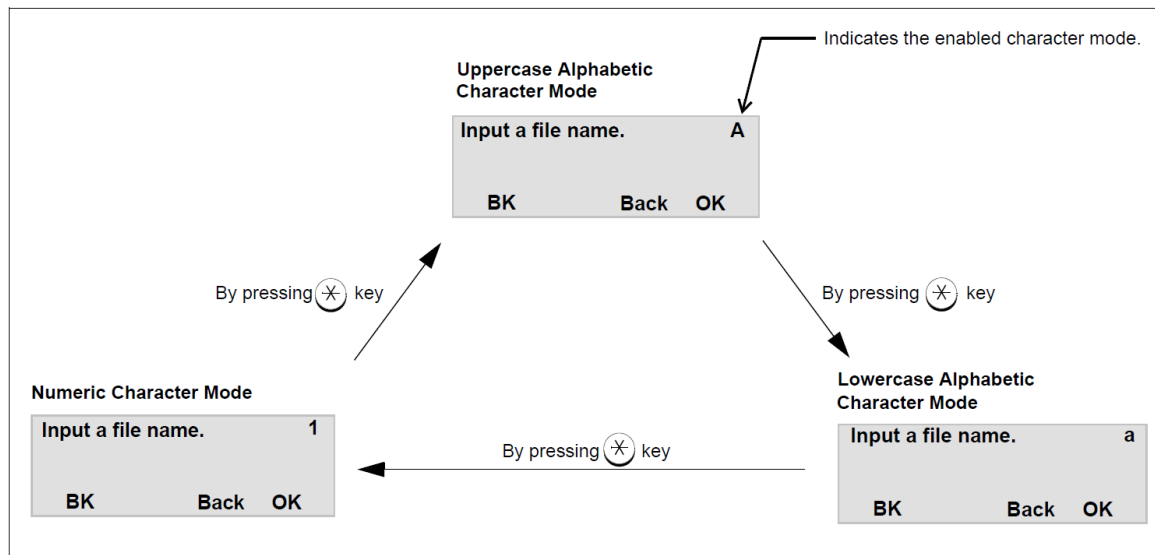
Check Points	Actions
Download file is not placed in the specified directory.	Place the download file in the specified directory.
A different file name is specified between the terminal and FTP/TFTP/HTTPS server.	Set the same file name to both the terminal and FTP/TFTP/HTTPS server.
Incorrect IP address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

HOW TO INPUT CHARACTERS

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

Character Entry Mode

When entering characters from the telephone set, the following three modes are available: uppercase alphabetic character, lowercase alphabetic character and numeric character. The character entry mode can be changed by pressing the [*] key (alphabetic (uppercase/lowercase)/numeric).



Character Code List

<Character Code For English (1/2)>

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

<Character Code For English (2/2)>

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

<Number Code>

DIGIT KEY	CASE SHIFT	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th
1	1	1														
2	1	2														
3	1	3														
4	1	4														
5	1	5														
6	1	6														
7	1	7														
8	1	8														
9	1	9														
0	1	0														
#	1	*	#	.	@	/	()	,	-	_	:	'	~	&	\
✖		Used as a case shift key. Shifts the characters between alphabetic and numeric.														



When entering password, "0-9", "*", and "#" are available.
 "#" is entered by pressing [#] key.
 "*" is entered by pressing [*]key.

Character Entry Method

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

1. Press the [5] key twice to enter “K”.
2. Press the [*] key to switch the text input mode from uppercase to lowercase.
3. Enter “en” by using digit keys.
Press the [3] key twice to enter “e”.
Press the [6] key twice to enter “n”.
4. Press the [0] key once to enter a space.
5. Press the [*] key twice to switch the text input mode from lowercase to uppercase.
6. Press the [5] key twice to enter “K”.
7. Press the [*] key twice to switch the text input mode from uppercase to lowercase.
8. Enter “obus” by using digit keys.
Press the [6] key three times to enter “o”.
Press the [2] key twice to enter “b”.
Press the [8] key twice to enter “u”.
Press the [7] key four times to enter “s”.
9. Press the Enter key or the OK soft key.

SETUP WITH MENU KEY FOR DT530 SERIES DT530

TO CHANGE RINGER TONE VOLUME

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

1. Press Menu key while terminal is in an idle state.
2. Select 3 Settings.
3. Select 1 Ring Volume.
4. Ring Volume can be set in 13 levels (0 - 12). Adjust the ringer tone volume by using UP/DOWN key and then press the Enter key or the OK soft key.

TO ENABLE/DISABLE OFF-HOOK RINGING

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

1. Press Menu key while terminal is in an idle state.
2. Select 3 Settings.
3. Select 2 Off Hook Ring.
4. To disable/enable the off-hook ringing, select 1 Disable or 2 Enable.



- Default setting is 2 Enable.
- The enabled item is highlighted.

TO ENABLE/DISABLE BACKLIGHT

The procedure below shows how to enable/disable the backlights of LCD and digit keys.

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

1. Press Menu key while terminal is in an idle state.
2. Select **3** Settings.
3. Select **3** Back Light.
4. Select desired setting from the following list.

No.	Menu Item	Meaning
1	Disable	Backlights of LCD and digit keys are disabled.
2	Enable	Backlights of LCD and digit keys are enabled.



- Default setting is **2** Enable.
- The enabled item is highlighted.

5. After the selection is completed, press the Enter key or the OK soft key.

FEATURE OPERATION

This chapter describes how to login/logout, how to input characters and how to make a call/hold, etc.

LOGIN/LOGOUT DT920

TO LOGIN

When login mode is activated, the terminal prompts for Login ID and Password. When the terminal starts up with displaying the below screen, the Login Mode is activated.

Login ID:	
Password:	
Cancel	Back Set OK

1. The terminal is starting up with Login Mode.

2. Enter Login ID.



As initial setting, enter the extension number as Login ID.



Up to 16 characters can be entered for Login ID.

- After entering Login ID, press Soft key (Set).

3. Enter a password.



As initial setting, enter the extension number as password.



From 4 to 10 characters can be entered password displayed in “*”.

- After entering Login ID, press Soft key (OK).

4. If the Login ID and Password are accepted, display changes to normal idle status.

The terminal becomes available.



If you enter the wrong ID and/or password, normal screen is not displayed and return to [Login] screen.
In this case enter the correct “Login ID” and “Password”.

TO LOGOUT

The terminal which is operated with Login Mode can log out. Logout operation is as follows.

1. Press Speaker key

You will receive a dial tone.
Speaker key lamp lights red.

2. Press Logout feature key.



Logout feature key can be set by means of system data setting. For details, please contact the system administrator.



After Logout feature key is pressed, the terminal is logged out within 10 seconds.

MAKING A CALL

This section explains Preset Dialing. Before making a call, the terminal user can verify the dialed number displayed on the LCD. When a wrong number is entered, the user can correct the number before originating the call.

TO MAKE AN EXTERNAL CALL

Following explains how to make an external call.

1. **Dial a desired number after dial the Central Office access code.**
2. **Press Speaker key**
Originate a call
Speaker key lamp lights red.

TO MAKE AN INTERNAL CALL

Following explains how to make an external call.

1. **Dial a desired number.**
2. **Press Speaker key.**
Originate a call
Speaker key lamp lights red.

ANSWERING A CALL

This section explains how to answer a call with Answer key.

TO ANSWER AN EXTERNAL CALL

Following explains how to answer an external call.

1. **While hearing a ringing tone,**
Call Indicator Lamp lights red.
Answer key lamp lights red.
Line key lamp lights red.
2. **Press Answerer key.**
Call Indicator Lamp goes off.
Answer key lamp lights green.
Speaker key lamp lights red.
Line key lamp lights green.
3. **Lift the handset to answer the call.**



It is possible to answer a call by pressing Line key that is flashing instead of Answer key.



It is possible to answer a call by lifting handset and then pressing Answer key or Line key.

TO ANSWER AN INTERNAL CALL

Following explains how to answer an internal call.

1. **While hearing a ringing tone,**
Call Indicator Lamp lights red.
Answer key lamp lights red.
Line key lamp lights red.
2. **Press Answerer key.**
Call Indicator Lamp goes off.
Answer key lamp lights green.
Speaker key lamp lights red.
Line key lamp lights green.
3. **Lift the handset to answer the call.**

HOLDING A CALL (USING CALL HOLD)

This feature allows a terminal user to hold a call in progress by pressing the Call Hold key. User can then originate another call or returning to a previously held call.

TO HOLD

Following explains how to hold a call in progress.

1. **While a call in progress,**
Line key that is used during a call lights green.
Line key on the other terminals lights red.
2. **Press Hold key.**
The person on the other end hears the Music on Hold.
Line key that is placed on hold flashes green.
Line keys on the other terminals flash red.
3. **Replace the handset or make a new call.**

TO RETRIEVE THE HELD CALL

Following explains how to retrieve the held call.

1. **While holding a call,**
Line key that is placed on hold flashes green.
2. **Press Line key that is placed on hold.**
Line key lamp lights green.
3. **Lift the handset and return to the held call.**
It is possible to retrieve a call on hold from another terminal that has the same Line key flashing red.

IF UNANSWERED



After predetermined time, Automatic Recall is initiated and the user hears Automatic Recall ringer tone. Default time is one minute.



Starting time to ring Automatic Recall is set by system data setting at initial installation. For details, please contact the system administrator

HOLDING A CALL (USING EXCLUSIVE CALL HOLD)

This feature allows a terminal user to place a call on Hold and to exclude all other station users from retrieving the held call.

TO HOLD

Following explains to hold the call in progress.

1. **While a call in progress,**
Line key that is used during a call lights green.
Line key on the other terminals lights red.
2. **Press feature key.**
Feature key lamp lights red.
3. **Press Hold key.**
Line key that is placed on hold flashes green.
Line key on the other terminals lights red.
Feature key lamp goes off.
4. **Replace the handset.**

TO RETRIEVE THE HELD CALL

Following explains how to retrieve the held call.

1. **While holding a call,**
Line key that is placed on hold flashes green.
2. **Press Line key that is placed on hold.**
Line key lamp that was placed on hold lights green.
Line key on the other terminals lights red.
3. **Lift the handset and return to the held call.**
Only the terminal that set Exclusive Hold may retrieve the held call.

IF UNANSWERED



After predetermined time, Automatic Recall is initiated and the user hears Automatic Recall ringer tone. Default time is one minute.



Starting time to ring Automatic Recall is set by system data setting at initial installation. For details, please contact the system administrator

TRANSFER A CALL

TO TRANSFER A CALL (WITH ANNOUNCEMENT)

This feature allows a terminal user to transfer incoming or outgoing calls to another terminal within the system.

INITIATE TRANSFER (BY EX.200)

1. **Call in progress.**
Line key lamp lights green.
2. **Press Transfer key.**
You will receive a special dial tone.
Calling party is placed on hold.
3. **Dial the destination extension number.**
You will receive a dial tone.
The dialed extension number is displayed with flash.
4. **Destination extension answers transferred call.**
After the answer, announce the call is transferred.
5. **Replace the handset.**
Line key lamp goes off.
A call is transferred.

ANSWER TO A TRANSFERRED CALL (BY EX.210)

1. **Ringling is heard.**
Call Indicator Lamp flashes.
Line key lamp flashes red.
The extension number that initiates call transfer is displayed on the LCD.
2. **Lift the handset to start a conversation with the extension (200).**
Call Indicator Lamp goes off
Line key lamp lights green.
3. **Start conversation with transferred party.**
Extension (200) replaces the handset.

TO TRANSFER A CALL (WITHOUT ANNOUNCEMENT)

After dialing the transfer destination number, it is possible to replace a handset before answering the destination party. When the transfer destination party lifts the handset, it is automatically connected with transferred party. The phone number of transferred party is displayed on the destination terminal.

INITIATE TRANSFER (BY EX.200)

1. **Call in progress.**
Line key lamp lights green.
2. **Press Transfer key.**
You will receive a special dial tone.
Calling party is placed on hold.
3. **Dial the destination extension number.**
You will receive a dial tone.
The dialed extension number is displayed with flash.
4. **Replace the handset.**
Line key lamp goes off.
A call is transferred.

ANSWER TO A TRANSFERRED CALL (BY EX.210)

1. **Ringling is heard.**
Call Indicator Lamp flashes.
Line key lamp flashes red.
The extension number that initiates call transfer is displayed on the LCD.
2. **Lift the handset to start a conversation with transferred party.**
Call Indicator Lamp goes off
Line key lamp lights green.



When the destination party does not answer within the predetermined time, a recall is made to the terminal that initiates call transfer. When recall is received, the destination number is displayed on the LCD.

LAST NUMBER REDIAL

It is possible to search and redial the phone number up to 60 calls previously dialed.

1. **Press Left key or Soft key(OG) after pressing Soft key (HIST).**

Speaker key lamp lights red.
Line key lamp lights green.

2. **Press Soft key (↑Prev) or Soft key (↓Next) to find desired number and press “#” key.**

The number on LCD is automatically redialed.

3. **When party has answered, lift the handset.**

Speaker key lamp goes off.

ONE-TOUCH SPEED CALLING KEYS

This feature allows a terminal user to dial frequently-called numbers by pressing a One-touch key assigned for Station Speed Dialing.



Up to 32 digits can be registered for each dial number.



The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO PROGRAM

Following explains how to register phone number to a One-touch Speed Calling key.

1. **Press Feature key.**
Feature key lamp lights red.
2. **Press One-touch Speed Calling key.**
Feature key lamp flashes red.
Speaker key lamp lights red.
3. **Dial desired number.**
Feature key lamp lights red.
4. **Press Feature key.**
Feature key lamp goes off.
Speaker key lamp goes off.



If you dial a wrong number, you will need to start again from the beginning.



To register a pause, press # or * key between any digits. The pause can not be registered as a first digit. The pause entry by # or * key is set by system data setting at initial installation. For details, please contact the system administrator.



When a phone number has been already registered in One-touch key, that number is displayed on the LCD.
The previous number will be cleared when you register a new number.

TO VERIFY

Following explains how to confirm the registered number in the One-touch Speed Calling key.

1. **Press Feature key.**
Feature key lamp lights red.
2. **Press a desired One-touch Speed Calling key.**
The registered number is displayed on LCD.
Feature key lamp flashes red.
Speaker key lamp lights red.
3. **Press Speaker key.**
Feature key lamp goes off.
Speaker key lamp goes off.

TO MAKE A CALL

Following explains how to make a call with One-touch Speed Calling key.

1. **Press One-touch Speed Calling key.**
Speaker key lamp lights red.
The desired number is automatically dialed.
2. **When party has answered, lift the handset.**
Speaker key lamp goes off.

STATION SPEED DIALING

This feature allows a terminal user to dial long-digit or frequently-called numbers by pressing feature key and abbreviated code.

TO REGISTER FOR STATION SPEED DIALING



The feature is set to the terminal by system data setting at initial installation. For details, please contact the system administrator.

1. **Press Feature key.**
Feature key lamp lights red.
2. **Press Redial key.**
You will receive a special dial tone.
Feature key lamp flashes red.
Speaker key lamp lights red.
3. **Dial desired abbreviated code.**
Example: "09" is entered.
4. **Press "9" that is access code.**
You will receive a confirmation tone.
5. **Dial the desired number.**
6. **Press Feature key.**
Feature key lamp goes off.
Speaker key lamp goes off.

TO MAKE A CALL USING STATION SPEED DIALING

1. **Press Redial key.**
Speaker key lamp lights red.
2. **Dial abbreviated code.**
Example: "09" is entered.
3. **The phone number is automatically dialed.**
4. **Lift the handset.**
Speaker key lamp goes off.

ORIGINATING A VOICE CALL

Instead of ringing, this feature informs the incoming call by voice.



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.
Line key lamp lights green.
2. **Dial extension number.**
You will receive a ring back tone.
3. **Press Soft key (VOICE) or Voice Call feature key.**
4. **Lift the handset and announce an incoming call by voice to called party.**
Speaker key lamp goes off.
5. **Start conversation after called party answered.**



"VOICE" is displayed on the LCD of called party.

THREE/FOUR-PARTY CONFERENCE

This feature provides a terminal user the ability to add-on another party to a call already in progress.



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. **While extension A (200) and extension B (201) are engaged in a Two-party connection.**
Example: Add the ext. C to conversation.
2. **Extension A presses Transfer key.**
Ext. A will receive a special dial tone.
Ext. B will receive a Music on Hold.
3. **Extension A dials the number of Extension C (210).**
4. **Extension C answers the transfer call.**
5. **Extension A presses Soft key (CONF) or Three/Four-Party Conference feature key.**

VOICE MAIL

This section explains how to access to the Voice Mail System.

1. **Dial the Voice Mail access Code.**
Voice Mail System answers.
Example: Number "5205" is Voice Mail System.



For details of Voice Mail operations, please refer to the User Guides of Voice Mail System

PRESET ANSWER

It is possible to respond by simply lifting up the handset of the terminal as usual telephone.

TO SET PRESET ANSWER

1. **While Answer key lamp goes off.**
2. **Press Feature key.**
Feature key lamp lights red.
3. **Press Answer key.**
Feature key lamp goes off.
Answer key lamp lights red.

ANSWER TO A CALL WITH PRESET ANSWER

1. **Ringing and the Call Indicator Lamp flashing.**
2. **Lift the handset.**
Call Indicator Lamp goes off.

TO CANCEL

1. **While Answer key lamp lights red,**
2. **Press Feature key.**
Feature key lamp lights red.
3. **Press Answer key.**
Feature key lamp goes off.
Answer key lamp goes off.

RECEIVING A VOICE FROM SPEAKER

It is possible to change the terminal to "listen-only" during the call in progress. You can hear the caller's voice from the speaker on the terminal with putting the handset on the hook.

TO RECEIVING A VOICE FROM SPEAKER

1. **Call in progress.**
2. **Press Speaker key.**
Speaker key lamp lights red.
3. **Replace the handset.**
You can hear the voice of calling party from the speaker.

TO RESTART TALKING

1. **Receiving a voice from the speaker.**
2. **Lift the handset.**
Speaker key lamp goes off.

TALKING HANDSFREE

Dialing or answering a call is possible without lifting the handset.

TO SET HANDSFREE

1. **Press Mic key or Soft key (MIC).**
Mic key lamp lights red.

TO CANCEL

1. **Press Mic key or Soft key (MIC).**
Mic key lamp goes off.

TO MAKE A CALL WITH HANDS FREE

1. **Mic key lamp is going off.**
2. **Press Speaker key.**
Speaker key lamp lights red.
Line key lamp lights green.
3. **Dial desired number.**
4. **The called party answers.**
 - Press Mic key or Soft key (MIC).
Mic key lamp lights red.
 - Talk toward the mic.

TO ANSWER A CALL WITH HANDS FREE

1. **The Call Indicator Lamp flashing.**
Line key lamp flashes red.
2. **Press Speaker key.**
Speaker key lamp lights red.
Line key lamp lights green.
3. **Talk toward the mic.**



When you make a call handsfree, please note the following items.

- Avoid using in a place where there is a lot of echo or noise.
- The Microphone is located at the front of the terminal. It should be no further away than 50 cm.
- When talking handsfree, be aware of the volume level as to not disturb people close to you.
- Talk alternately with the other party. The voice may be interrupted if both party talk at the same time.

CALL PICKUP - GROUP

This feature permits a terminal user to answer any calls directed to other extensions in their preset pickup group.



This feature is set by system data setting at initial installation. For details, please contact the system administrator.



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. **Ringing terminal in your Call Pickup - Group.**
2. **Press Speaker key.**
Speaker key lamp lights red.
Line key lamp lights green.
3. **Press Soft key (PICK) or Call Pickup - Group feature key.**
4. **Start conversation with calling party.**

CALL PICKUP - DIRECT

This feature permits a terminal user to pickup a call to any other terminal in the system.



This feature is set by system data setting at initial installation. For details, please contact the system administrator.



This feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. **Press Speaker key.**
Speaker key lamp lights red.
Line key lamp lights green.
2. **Press Call Pickup - Direct feature key.**
Speaker key lamp lights red.
Line key lamp lights green.
3. **Dial the extension number of ringing terminal.**
4. **Start conversation with calling party.**

MULTILINE APPEARANCE

This feature allows you to accommodate the lines (another terminal number) other than My Line on the Programmable line/feature keys.

When accommodating another terminal number on the Programmable line/feature key, the user can answer the call routed to another by pressing the key that is assigned.



This feature is set by system data setting at initial installation. For details, please contact the system administrator.

TO ANSWER A CALL

1. **A call is terminated to the terminal whose terminal number is accommodated to the Multiline Appearance feature key.**
Call Indicator Lamp flashes.
Multiline key lamp flashes red.
2. **Press Multiline Appearance feature key.**
Call Indicator Lamp goes off.
Speaker key lamp lights red.
Multiline key lamp lights green.
3. **Lift the handset to start a conversation.**
Speaker key lamp goes off.



When you press a feature key with a call in progress, the call will be disconnected.

DND (DO NOT DISTURB)

This feature restricts incoming calls to a terminal.



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET DND

1. **Press Speaker key.**
Call Indicator Lamp goes off.
Speaker key lamp lights red.
Line key lamp lights green.
2. **Press Soft key (>>>>) when Soft key is used.**
3. **Press Soft key (DND) or DND feature key.**
You will receive a service set tone.
4. **Press Speaker key**
Speaker key lamp goes off.
Line key lamp goes off.

TO CANCEL

1. **Press Speaker key.**
Call Indicator Lamp goes off.
Speaker key lamp lights red.
Line key lamp lights green.
2. **Press Soft key (>>>>) when Soft key is used.**
3. **Press Soft key (DND) or DND feature key.**
You will receive a service set tone.
4. **Press Speaker key**
Speaker key lamp goes off.
Line key lamp goes off.

SAVE AND REPEAT A NUMBER

This feature allows a terminal to save a specific dialed number and then redial that number.



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.



Up to one Save and Repeat feature keys can be assigned per terminal.

TO SET SAVE AND REPEAT

1. **Dial the desired number and press Soft key (S&R) or Save and Repeat feature key**

HOW TO DIAL BY SAVE AND REPEAT

1. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.
Line key lamp lights green.
2. **Press Save and Repeat feature key.**
The terminal automatically redials the programmed number.
Example: "04XXXXXXXX" is programmed number.
3. **Lift the handset to start a conversation.**
Speaker key lamp goes off.



Redialing the same number is possible until new number is registered by this feature.

TRUNK QUEUING - OUTGOING

This feature allows a terminal user, upon encountering a busy signal on a trunk, to set a call and enter a first-in, first-out queue. As soon as an outgoing trunk becomes available, terminals in the queue will be called back on a first-in, first-out basis.



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET TRUNK QUEUING –OUTGOING



This feature is available only for the terminal that is set by system data setting at initial installation

1. Press Speaker key and dial the outgoing access code.

Speaker key lamp lights red or ring back tone.
Line key lamp lights red.
The lines are all busy status.
You will receive a busy tone.

2. Press Soft key (CB) or Trunk Queuing - Outgoing feature key.

You will receive a service set tone.
Outgoing feature key lamp lights red.

3. Press Speaker key.

Speaker key lamp goes off.
Wait until the outgoing line is available

WHEN TRUNK IS AVAILABLE

1. Ringing of external incoming call is heard.

Call Indicator Lamp flashes red.
Line key lamp flashes green.

2. Lift the handset or press Speaker key.

Outgoing feature key lamp goes off.
Call Indicator Lamp goes off.
Line key lamp lights green.

3. Dial the desired number.

TO CANCEL



This feature is available only for the terminal that is set by system data setting at initial installation.
This feature cannot be canceled by Soft key.

1. Lift the handset.

Line key lamp lights red.

2. Press Trunk Queuing – Outgoing feature key.

You will receive a service set tone.
Trunk Queuing – Outgoing feature is cancelled.
Outgoing feature key lamp goes off.

3. Replace the handset.

Line key lamp goes off.

CALL BACK

This feature allows a calling party to set an automatic Call Back when a busy or no answer condition is encountered. When the busy terminal becomes idle, the terminal that set the Call Back will be called.



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET CALL BACK



This feature is available only for the terminal that is set by system data setting at initial installation.

1. The called party extension is busy or no answer.

You will receive a busy tone.
Line key lamp lights green.

2. Press Soft key (CB) or Call Back feature key.

You will receive a service set tone.

3. Replace the handset.

Wait Call Back.
Line key lamp goes off.

WHEN THE BUSY TERMINAL BECOMES IDLE

1. The terminal which has set Call Back is alerted by ring.

When busy terminal becomes idle or the terminal that did not answer initiates or answers a call or accesses a feature and then becomes idle, the setting terminal is alerted by ring.
Call Indicator Lamp flashes.
Line key lamp flashes green.

2. Lift the handset.

The extension number that was busy/no answer is automatically dialed.
Line key lamp lights green.

TO CANCEL



This feature is available only for the terminal that is set by system data setting at initial installation. This feature cannot be canceled by Soft key.

1. While the terminal is set Call Back feature,

Call Back feature key lamp lights red.

2. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.
Line key lamp lights green.

3. Press Call Back feature key.

You will receive a service set tone.
Call Back feature key lamp goes off.

4. Press Speaker key.

Speaker key lamp goes off.
Line key lamp goes off.

TIMED QUEUING (OUTSIDE LINE ONLY)

When a user originates an outgoing trunk call and the called party is busy or does not answer, the caller can set the Timed Queuing. When this feature is set, the trunk seizure is repeated and the number is dialed again after a predetermined time interval.



The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Dial Outside Line access code.

3. Dial desired number.

You will receive a busy tone or a ring no answer from distant end.

4. Press Call Back feature key.

Line key lamp flashes green.

5. Leave speaker on.

The desired number is automatically redialed.

6. Start conversation with called party.



Busy tone is sent to the calling party when the call is made to the extension that is in Timed Queue mode.

TO MAKE/ANSWER A CALL DURING CALL IN PROGRESS

This feature permits a user to hold a call in progress by pressing the Call Hold feature key. This line can then be used for originating another call or answering another incoming call. After finishing another call and replace the handset, the original held call rings back.



It is required that the dedicated feature key other than fixed feature key (Hold) shall be set by system data setting at initial installation. For details, please contact the system administrator.

1. While call in progress,

The Line key lamp lights green.

2. Press call hold feature key.

Call hold feature key lamp doesn't light.
The called party will receive a hold tone.

3. To make a call to another party or answer the incoming call.

Replace the handset after finishing a call.

4. The original call rings back.

Call Indicator Lamp flashes red.
Line key lamp flashes green.

5. Lift the handset to restart a conversation.

Line key lamp lights green.

STATION HUNTING

When a busy terminal which is assigned Station Hunting pilot number is called, this feature permits the incoming call to be routed to another terminal within the hunt group.



The terminal that is set the Station Hunting feature and the pilot number are set by system data setting at initial installation. For details, please contact the system administrator.



You cannot set Call Back, Call Waiting, or Executive Override to the pilot number of the hunt group.

1. **Lift the handset.**
Line key lamp lights green.
2. **Dial the desired number.**
If the pilot number is busy, the call is routed to another terminal within the hunting group.
3. **Start conversation with called party.**

STEP CALL

This feature allows the terminal user, after calling a busy terminal, to call an idle terminal by simply dialing an additional digit.



The feature is set by system data setting at initial installation. For details, please contact the system administrator.

1. **Lift the handset.**
Line key lamp lights green.
2. **Dial the extension number.**
You will receive a busy tone.
3. **Dial the last digit (0-9) of another terminal.**



It is possible to select the last digit of the extension number from 0-9 arbitrarily.

CALL WAITING

This feature allows a terminal to camp itself on to a busy terminal.



This feature is available only for the terminal that is set by system data setting at initial installation. For details, please contact the system administrator.

TO ACTIVATE CALL WAITING

1. **Receive a busy tone.**
2. **Press Transfer key.**
3. **Press Soft key (CW)**
You will receive a special ringback tone.

TO ANSWER CALL WAITING

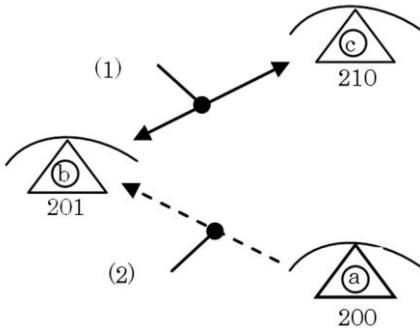
1. **Call in progress.**
2. **Call Waiting feature is set.**
Answer key lamp flashes red.
You will receive a Call Waiting tone (three tone bursts).
3. **Press Answer key.**
The original party is placed on hold and connected to another party who initiates Call Waiting feature.
4. **Press Answer key again.**
Return to the original party and another party is placed on hold. (It is possible to change the connection as many times.)

EXECUTIVE OVERRIDE

This feature allows selected users to override a busy condition on a called terminal.



The feature key is set by system data setting at initial installation. For details, please contact the system administrator.



(1) Call in progress.

(2) Override

The terminal "b" is talking with the terminal "c", and the terminal "a" is going to override the connection.

1. **Terminal "a" dials 201. (The called party is a call in progress.)**

You will receive a busy tone.

2. **Press Executive Override feature key.**

You will receive a warning tone.
Talking three parties.

CALL FORWARDING - BUSY LINE

This feature permits a call to a busy extension to be routed to a designated terminal.

TO SET CALL FORWARDING- BUSY LINE



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. **Press the Soft key (>>>>) repeatedly until display shows "FDN" when Soft key is used.**
2. **Press Soft key (FDN) or Call Forwarding - Busy Line feature key.**
3. **Dial the desired target terminal number.**
4. **After 4 seconds, return back to the idle screen automatically. (or Press Speaker key)**
Speaker key lamp goes off.
Line key lamp goes off.

TO VERIFY

1. **Press Soft key (FDN) or Call Forwarding - Busy Line feature key**
The terminal number of the forwarding destination is displayed on the LCD.

TO CANCEL

1. **While being set the Call Forwarding - Busy Line,**
2. **Press the Soft key (>>>>) repeatedly until display shows "FDN" when Soft key is used.**
3. **Press Soft key (FDN) or Call Forwarding - Busy Line feature key.**
4. **Press "*" key.**
5. **After 4 seconds, return back to the idle screen automatically. (or Press Speaker key)**
Speaker key lamp goes off.
Line key lamp goes off.

CALL FORWARDING – NO ANSWER

When a call is placed to a terminal that does not answer, this feature forwards the call to another terminal.

TO SET CALL FORWARDING - NO ANSWER



The Soft key that is used as Call Forwarding - No Answer is same as Call Forwarding - Busy Line (Soft key (FDN))



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. Press the Soft key (>>>>) repeatedly until display shows "FDN" when Soft key is used.
2. Press Soft key (FDN) or Call Forwarding - No Answer feature key.
3. Dial the desired target terminal number.
4. After 4 seconds, return back to the idle screen automatically. (or Press Speaker key)
Speaker key lamp goes off.
Line key lamp goes off.

TO VERIFY

1. Press Soft key (FDN) or Call Forwarding - No Answer feature key.
The terminal number of the forwarding destination is displayed on the LCD.

TO CANCEL

1. While being set the Call Forwarding - No Answer,
2. Press the Soft key (>>>>) repeatedly until display shows "FDN" when Soft key is used.
3. Press Soft key (FDN) or Call Forwarding - No Answer feature key.
4. Press "*" " key .
5. After 4 seconds, return back to the idle screen automatically. (or Press Speaker key)
Speaker key lamp goes off.
Line key lamp goes off.

CALL FORWARDING – ALL CALLS

This feature allows all calls directed to a particular extension to be rerouted to an alternate destination, regardless of the busy or idle status of the extension.

TO SET CALL FORWARDING - ALL CALLS



This feature is set by Soft key or feature key. The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. Press the Soft key (>>>>) repeatedly until display shows "FDA" when Soft key is used.
2. Press Soft key (FDA) or Call Forwarding - All Calls feature key.
3. Dial the desired target terminal number.
4. After 4 seconds, return back to the idle screen automatically. (or Press Speaker key)
Speaker key lamp goes off.
Line key lamp goes off.

TO VERIFY

1. Press Soft key (FDA) or Call Forwarding - All Calls feature key.
The terminal number of the forwarding destination is displayed on the LCD.

TO CANCEL

1. While being set the Call Forwarding - All Calls,
2. Press the Soft key (>>>>) repeatedly until display shows "FDA" when Soft key is used.
3. Press Soft key (FDA) or Call Forwarding - All Calls feature key.
4. Press "*" " key .
5. After 4 seconds, return back to the idle screen automatically. (or Press Speaker key)
Speaker key lamp goes off.
Line key lamp goes off.

CALL FORWARDING - DESTINATION

This feature allows a station user to set Call Forwarding - All Calls from another station within the system.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET CALL FORWARDING - DESTINATION

1. **Press Speaker key.**
Speaker key lamp lights red.
Line key lamp lights green.
2. **Dial Call Forwarding – Destination feature access code or press Call Forwarding - Destination feature key.**
You will receive a special dial tone.
3. **Dial station number to be forwarded to this line.**
Wait for service set tone.
4. **Press Speaker key.**
Speaker key lamp goes off.
Line key lamp goes off.

TO CANCEL CALL FORWARDING - DESTINATION

1. **Press Speaker key.**
Speaker key lamp lights red.
Line key lamp lights green.
2. **Dial Call Forwarding – Destination Cancel feature access code or press Call Forwarding – Destination Cancel feature key.**
3. **Dial station number to cancel.**
4. **Press Speaker key.**
Speaker key lamp goes off.
Line key lamp goes off.

CID (CALLER ID) CALL DISPLAY

Without answering incoming calls or held calls that terminate to the Line keys of a terminal, the calling party's information can be confirmed by the indications on the LCD.



The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO DISPLAY CALLING PARTY INFORMATION

1. **Press CID Call Display feature key.**
Line key lamp lights red.
Calling Party information is displayed.

TO REDISPLAY CALLING PARTY INFORMATION

2. **While on a call press CID Call Display feature key to recall the Calling Party Information.**
Calling Party information is displayed

VOICE FIRST/TONE FIRST

This feature allows incoming calls to your terminal to either ring or go to voice announcement.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET VOICE FIRST/TONE FIRST MODE

1. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.
2. **Dial Voice First/Tone First access code or press Voice First/Tone First feature key.**
LCD shows current mode.
You will receive a feature dial tone.
3. **Dial any single digit ("0" – "9").**
Voice First mode is switched to Tone First mode (or vice versa).
You will receive a feature set tone.
4. **Press Speaker key.**
Speaker key lamp goes off.
5. **The called party can reply.**

WHEN A CALLED TERMINAL HAS BEEN SET TO VOICE FIRST

1. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.
Line key lamp lights green.
2. **Dial extension number.**
Wait for voice page alert tone.
3. **Speak to the called party.**
4. **Dial "1 " .**
The called party's extension will ring.

WHEN A CALLED TERMINAL HAS BEEN SET TO TONE FIRST

1. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.
Line key lamp lights green.
2. **Dial extension number.**
The called party's extension will ring.
3. **Dial "1 " .**
Wait for voice page alert tone.
4. **Start conversation with called party.**
5. **The called party can reply.**

ANSWER A VOICE CALL HANDSFREE

This feature allows the terminal user to answer a Voice Call without lifting the handset.

1. **You will receive an incoming Voice Call.**
2. **Press Mic Key.**
Mic key lamp lights red.
3. **Respond to call handsfree.**

AUTOMATIC INTERCOM

Automatic Intercom provides a path for voice announcement calls between two terminals using a Line key. Private conversations can be held. The Busy/Idle status of the associated terminal is displayed on the Automatic Intercom feature key LED.



The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO INITIATE

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Press Automatic Intercom feature key.

The called terminal receives a tone burst.

TO ANSWER

1. While hearing ringing tone,

Automatic Intercom feature key lamp flashes green.
Voice Call alert tone is heard.

2. Press Automatic Intercom feature key.

Automatic Intercom feature key lamp lights green.

3. Press Speaker key.

Speaker key lamp lights red.

MANUAL INTERCOM

The Manual Intercom groups have up to six terminals sharing a common signal path. Users can call other members of the Manual Intercom group by pressing a Manual Intercom feature key; each press sends a tone burst over the speakers of all the terminals in the group. When another user answers the call a speech path is established.



The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO INITIATE

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Press Manual Intercom feature key.

You will receive a ringback tone

3. Each press of Manual Intercom feature key sends tone bursts.

TO ANSWER

1. While hearing ringing tone,

Manual Intercom feature key lamp flashes green.
You may receive a ring tone.

2. Press Manual Intercom feature key.

Manual Intercom feature key lamp lights green.

3. Press Speaker key.

Speaker key lamp lights red.

4. If called terminal is engaged in a non-intercom call, the terminal may press Manual Intercom feature key after placing original caller on hold (with Hold key).

DIAL INTERCOM

Dial Intercom comprises up to 10 terminals that can call each other using a dedicated Dial Intercom feature key with abbreviated dialing. Dial Intercom calls can be voice announce with ringing calls.



The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO INITIATE

1. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.
2. **Press Dial Intercom feature key.**
Dial Intercom feature key lamp lights green.
3. **Dial desired intercom terminal number ("0"- "9").**
4. **Press "1".**
Change to ring tone signal.
Tone burst is sent.

TO ANSWER

1. **While hearing ringing tone,**
Dial Intercom feature key lamp flashes green.
Tone burst or ring tone is heard.
2. **Press Dial Intercom feature key.**
Dial Intercom feature key lamp lights green.
3. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.

INTERNAL ZONE PAGING WITH MEET-ME PAGE

This feature allows terminal users to page over the built-in speakers of the terminals within the assigned zone or all zones.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO PAGE (TERMINAL A)

The terminal A pages the terminal B.

1. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.
2. **Dial Internal Paging access code for desired zone or all zones or press Internal Paging feature key assigned for desired zone or all zones.**
3. **Page the terminal B.**

TO ANSWER (TERMINAL B)

1. **1. Dial Meet-Me Answer access code.**
They are immediately connected.

BOSS/SECRETARY CALLING

A secretary with a terminal can use an appearance of the boss' extension to screen calls for that extension, and announce and/or transfer calls to that extension. Additionally, the secretary can call the boss during a busy condition and can send a message waiting indication to the boss' terminal.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO CALL BOSS FROM SECRETARY

1. **Lift the handset.**
You will receive a dial tone.
Speaker key lamp lights red.
2. **Press boss' ringing line and ask calling party to hold.**
3. **Press boss' line again.**
Voice Call is automatically established to boss' extension.
4. **Announce the call to the boss.**

IF BOSS ACCEPTS CALL

1. **Secretary replaces the handset.**
Boss and secretary extension each display the other's number.
2. **Boss lifts the handset or presses flashing line to answer the call.**

IF BOSS REFUSES CALL

1. **Secretary presses Transfer key to return to calling party**

TIMED REMINDER

This feature allows the system to be programmed to automatically call terminals at specified times. Upon answering, the terminal is connected to a recorded announcement or music source.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET

1. **Press Speaker key.**
You will receive a dial tone.
Speaker key lamp lights red.
2. **Set Timed Reminder.**
Dial Timed Reminder feature access code or press Timed Reminder feature key. You will receive a feature dial tone.
3. **Dial the desired reminder time in military format.**
You will receive service set tone.
4. **Press Speaker key.**
Speaker key lamp goes off.

PRIVACY RELEASE

A terminal is engaged in a conversation, and allows another terminal to enter the call in progress.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. **Press Soft key (CONF) or Conference feature key.**
Line key lamp lights green.
2. **Another terminal with the same line appearance presses that Line key.**
3. **A three-way conference is established.**

RETURN MESSAGE SCHEDULE

This feature allows terminal user to register a return schedule when leaving the office and have the schedule display on the calling terminal LCD.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Dial Return Message Schedule access code or press Return Message Schedule feature key.

3. Dial the number corresponding to desired message.

Message Patterns

DIAL	MESSAGE
0	IN: BACK HH: MM
1	OUT: BACK HH: MM
2	AWAY: BACK MM: DD
3	VACATION MM: DD

- Press "0" or "1" and dial desired time.
- Press "2" or "3" and dial the month and date (Example: for June, 8, enter "0608")

4. Press Speaker key.

Speaker key lamp goes off.
Return Message Schedule is registered.

TO CANCEL

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Dial Return Message Schedule cancel code.

3. Press Speaker key.

Speaker key lamp goes off.

WHISPER PAGE

This feature allows a secretary to interrupt the boss in a private way. By pressing a feature key or dialing an access code, the secretary terminal can interrupt the conversation between the boss and another party. When the conversation is interrupted, the boss can hear the secretary but the other party is unaware of the voice override.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET

Whisper Page has two kinds of operations.

PATTERN 1

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Dial desired extension number.

You will receive a busy tone.

3. Press Transfer key.

4. Dial Whisper Page access code or press Whisper Page feature key.

You will receive a service set tone.

5. Listen to conversation and speak to boss terminal only.

PATTERN 2

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Dial Whisper Page access code or press Whisper Page feature key.

You will receive a feature dial tone.

3. Dial desired extension number.

You will receive a service set tone

TO ANSWER

1. Press Answer key.

Call in progress is placed on hold.
A hold tone is not transmitted to the other party of the original call.
Calling terminal and called terminal can privately speak.
Answer key lamp lights red.

2. Press Answer key.

Answer key lamp goes off.
Return to original call.

SYSTEM CLOCK SETUP BY STATION DIALING

This feature enables a terminal user to adjust the system clock.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Dial System Clock Setup access code or press System Clock Setup feature key.

You will receive a feature dial tone.

3. Dial new time in 24 hr. format using 6 digits (HHMMSS).

You will receive a service set tone.

4. Press Speaker key.

Speaker key lamp goes off.

DAY/NIGHT MODE CHANGE BY STATION DIALING

This feature allows selected terminals to activate a change from day mode to night mode by dialing a special code.



The feature access code/feature key is set by system data setting at initial installation. For details, please contact the system administrator.

1. Press Speaker key.

You will receive a dial tone.
Speaker key lamp lights red.

2. Dial Day/Night Mode Change access code or press Day/Night Mode Change feature key.

3. Press “1” –“4” and set in various mode.

- Press for DAY mode.
- Press for NIGHT mode.
- Press for MODE-A mode.
- Press for MODE-B mode.

4. Press Speaker key.

Speaker key lamp goes off.



If a programmable key is used lamp indication will be,

- Night Mode = Red lamp on Mode-A = Red lamp flashing (60 ipm)
- Mode-B = Red lamp flashing (120 ipm)

CALL HISTORY

This feature records information such as numbers you have dialed or one received from other parties. And also it allows a terminal user to make a call using the recorded data.



The history data of incoming and outgoing calls are recorded in the system memory. They are not recorded in the terminal.



The outgoing/incoming call history can store up to 60 records per terminal. If the number of registered records exceeds 60, the oldest stored number is deleted and the new number is stored.

OUTGOING CALL HISTORY

TO VIEW CALL HISTORY

There are following way to display outgoing call history.

DISPLAYING OUTGOING CALL HISTORY BY PRESSING SOFT KEY (HIST.)

1. Press Soft key (HIST.).

2. Press Soft key (OG).

The history of the last outgoing call is displayed.

3. Display the target outgoing call history.

Select one of the following operations.

- Press Up/Down cursor key
- Press Soft key (↑ Prev) or Soft key (↓ Next).

TO MAKE A CALL FROM OUTGOING CALL HISTORY

You can make a call using the outgoing call history.

1. Refer TO VIEW CALL HISTORY and display the outgoing call history of the number you want to call.

2. Make a call.

Select one of the following operations.

- Lift the handset and press Soft key (Redial).
- Press Soft key (Redial) to make a handsfree call.
Make a call to the target party in the outgoing call history.

TO DELETE OUTGOING CALL HISTORY

Following explains how to delete one outgoing call history data.

1. Refer to TO VIEW CALL HISTORY and display the outgoing call history of the number you want to delete.

2. Display the outgoing call history of the number you want to delete.

Select one of the following operations.

- Press Up/Down cursor key
- Press Soft key (↑ Prev) or Soft key (↓ Next).

3. Press Left key or Soft key (<<<<).

4. Press Soft key (Del).

5. To end the operation after deleting the outgoing call history, press Speaker key.

Speaker lamp goes off.

ADD OUTGOING CALL HISTORY TO STATION SPEED DIALING

Following explains how to register outgoing call history data to station speed dialing.

1. Referring to TO VIEW CALL HISTORY and display the outgoing call history of the number you want to register.

2. Display the outgoing call history of the number you want to register.

Select one of the following operations.

- Press Up/Down key.
- Press Soft key (↑ Prev) or Soft key (↓ Next).

3. Press Left key or Soft key (<<<<).

4. Press Soft key (Entry).

INCOMING CALL HISTORY

TO VIEW INCOMING CALL HISTORY

There are following way to display incoming call history.

DISPLAYING INCOMING CALL HISTORY BY PRESSING SOFT KEY (HIST.).

1. **Press Soft key (HIST.).**
Speaker key lamp lights red.
2. **Press Soft key (IC).**
The history of the last incoming call is displayed.
3. **Display the target incoming call history.**
Select one of the following operations.
 - Press Up/Down key.
 - Press Soft key (↑ Prev) or Soft key (↓ Next).

TO MAKE A CALL FROM INCOMING CALL HISTORY

You can make a call using the Incoming call history.

1. **Refer to TO VIEW INCOMING CALL HISTORY and display the incoming call history.**
2. **Make a call**
Select one of the following operations.
 - Lift the handset and press Soft key (CB).
 - Press Soft key (CB) to make a handsfree call.
3. **Make a call to the target party in the incoming call history.**

TO DELETE INCOMING CALL HISTORY

Following explains how to delete one incoming call history data.

1. **Refer to TO VIEW INCOMING CALL HISTORY and display the incoming call history of the number you want to delete.**
2. **Display the incoming call history of the number you want to delete.**
Select one of the following operations.
 - Press Up/Down key.
 - Press Soft key (↑ Prev) or Soft key (↓ Next).
3. **Press Left key or Soft key (<<<<).**
4. **Press soft key (Del).**
5. **To end the operation after deleting the incoming call history, press Speaker key.**
Speaker lamp goes off.

ADD INCOMING CALL HISTORY TO STATION SPEED DIALING

Following explains how to register an incoming call history data to station speed dialing.

1. **Refer to TO VIEW INCOMING CALL HISTORY and display the incoming call history of the number you want to register.**
2. **Display the incoming call history of the number you want to register.**
Select one of the following operations.
 - Press Up/Down key.
 - Press Soft key (↑ Prev) or Soft key (↓ Next).
3. **Press Left key or Soft key (<<<<).**
4. **Press Soft key (Entry).**

DOUBLE HEIGHT CHARACTERS ON LCD DT530

One of the four lines in the LCD can be displayed in double height size. While one line is being displayed in double height size, one of the other lines disappears.



The feature keys is allowed by system data setting at initial installation. For details, please contact the system administrator.

TO CHANGE OF THE TARGET LINE TO BE DISPLAYED IN DOUBLE HEIGHT SIZE

Normal Indication

(1)	(2)	(3)	(4)
	MARY SMITH		[200]
	4:26 PM MON	1	JULY 2019
	MIC	DIR	HIST. >>>>

- (1) The first line
- (2) The second line
- (3) The third line
- (4) The fourth line

When the first line is displayed in double height size,

MARY SMITH	[200]
MIC DIR HIST. >>>>	

When the second line is displayed in double height size,

MARY SMITH	[200]
4:26 PM MON 1 JULY 2019	
MIC DIR HIST. >>>>	

When the third line is displayed in double height size,

MARY SMITH	[200]
4:26 PM MON 1 JULY 2019	
MIC DIR HIST. >>>>	

When the forth line is displayed in double height size,

MARY SMITH	[200]
4:26 PM MON 1 JULY 2019	
MIC DIR HIST. >>>>	



The feature key is set by system data setting at initial installation. For details, please contact the system administrator.

TO SET REVERSING CONTRAST FROM REVERSE SCREEN

Following explains how to reset the LCD contrast.

1. While displaying the reverse screen,

MARY SMITH	[200]
4:26 PM MON 1 JULY 2019	
MIC DIR HIST. >>>>	

2. Press Reverse Contrast feature key.

The display is changed normal screen.

MARY SMITH	[200]
4:26 PM MON 1 JULY 2019	
MIC DIR HIST. >>>>	

TO SET REVERSING CONTRAST ON LCD

This feature allows the LCD display to reverse the contrast black-and-white.

TO SET REVERSING CONTRAST FROM NORMAL SCREEN

1. While displaying the normal screen,

MARY SMITH	[200]
4:26 PM MON 1 JULY 2019	
MIC DIR HIST. >>>>	

2. Press Reverse Contrast feature key.

The LCD contrast is changed (from white to black)
You will receive a feature dial tone.

MARY SMITH	[200]
4:26 PM MON 1 JULY 2019	
MIC DIR HIST. >>>>	

DIAL BY NAME (DIRECTORY SEARCH)

This feature is a common/personal directory service which is supported by UNIVERGE SV9300 communication server. This feature allows a terminal user to search desired party by name. After searching the called party, the user can originate a call to that party.



The feature is set to the terminal by system data setting at initial installation. For details, please contact the system administrator.



The dialed numbers of common directory are set by system data setting at initial installation. For details, please contact the system administrator.

TO MAKE A CALL USING DIAL BY NAME (DIRECTORY SEARCH)

1. Display the search screen.

- When using the System Speed Dialing, press Soft key (DIR).
- When using the Station Speed Dialing,
 - Press Right key (Searching for Directory).
 - Press Menu key to display the Menu Screen and select "Directory".

2. Enter the characters of the name that want to search.



Up to 4 characters can be entered for keyword searching.
Please refer to "HOW TO INPUT CHARACTERS" for how to enter the character.

3. Select the directory database. (Common or Personal directory)

Press Soft key (Common) or Soft key (Person)



When pressing Soft key (↑Prev) or Soft key (↓Next) without entering the keyword, the registered dial number or name is displayed on the LCD in order.

4. Press Speaker key or Enter key to make a call.

You will receive a dial tone.
Speaker key lamp lights red.
Line key lamp lights green.

5. Lift the handset to start a conversation.

Speaker key lamp goes off.

TO REGISTER PERSONAL DIRECTORY

Following explains how to register called party into the personal directory.

1. Press Soft key (DIR).

2. Press Personal Soft key.

3. Search the vacant area of directory.

Select one of the following operations.

- Press Up/Down key.
- Press Soft key (↑ Prev) or Soft key (↓ Next).

4. Register the information of the called party.

Press Left key or Soft key (ENTRY).

5. Press Left key or Soft key (NAME) and then register the name.



Up to 16 characters can be registered for each name.



Please refer to "HOW TO INPUT CHARACTERS" for how to enter the character.



When returning to the previous screen, press Up key or Soft key (CANCEL).



When erasing character, press Left key or Soft key (BK).

6. Press Enter key or Soft key (SET).

7. Press Enter key or (SET) to register the dial number.



Up to 30 digits can be registered for each dial number.
(access code: up to 4 digits, called number: up to 26 digits)

8. Press Enter key or Soft key (SET).



If it is not necessary to register the number just press Enter key or Soft key (SET) without entering the dial number.



When returning to the previous screen, press Up key or Soft key (CANCEL).



When erasing character, press Left key or Soft key (BK).

9. Press Enter key or Soft key (OK).

10. Press Exit key.

Return back to the idle screen.

HEADSET OPERATION

The table below shows supported headsets and headset cables for the terminal.

Headset		Supported Cable
Wired Headset	HW510	A10
Wireless Headset DT530	WT100/Voyager Legend CS	APN-91
Wireless Headset DT920	W710	APD-80

ATTACHING THE HEADSET



The **Headset** key must be programmed in advance. For details, contact the system administrator.

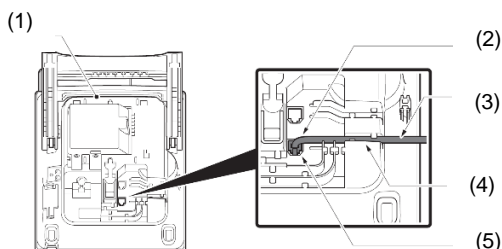
Connect the headset cable to HEADSET connector on the bottom of the telephone following the procedure below.



The headsets which can be connected to the telephone are wired headset "HW510 (A10)"

To Connect the Headset

1. Insert the modular plug into the **HEADSET** connector on the bottom of the telephone until it clicks.
2. Place the headset cord into the groove as shown in the figure below, and fix it.



- (1) Terminal
- (2) Modular Plug
- (3) Cord
- (4) Groove Modular Plug
- (5) HEADSET connector

TERMINAL OPERATION USING THE HEADSET

The following procedure explains how to operate a terminal using the headset. While using the headset, the operations equivalent to answering and ending a phone call with handset are available by pressing the **Headset** key.

DT920 DT920 Series supporting WT100-APD80-NE.

DT530 DT530 Series supporting Voyage Legend-CS-EHS-NE and WT100-EHS-NE

To Originate a Call

1. Press the **Headset** key, and the Headset key lights red.
2. A Line key lights green and dial tone is received.
3. Dial a desired telephone number, after the target party answers the call, you can start a conversation.
4. Press the **Headset** key to end the call, and the Headset key turns off.



To switch to handset mode, lift the handset and press the **Headset** key during a conversation.

To Answer a Call

1. Press the **Headset** key while the terminal is ringing, and the Headset key lights red.
2. Press the flashing line key to start a conversation with calling party. Depending on the settings at the installation phase, you can answer the call by pressing the Answer key instead of the line key.
3. Press the **Headset** key to end the call, and the Headset key turns off.



To switch to headset mode, press the **Headset** key during a conversation.

ADJUSTING HEADSET RINGER TONE VOLUME

You can adjust the ringer tone volume for a headset in an idle or a busy state.



- The ringer tone can be sent to the headset by terminal Menu settings. For the details, refer to "MENU LIST".
- A ringer tone volume can be adjusted only for a wired headset connected to the terminal headset connector.
- A ringer tone volume in a busy state cannot be changed when the ringer tone is set to be sent both the speaker and the headset. For details, contact the system administrator.

To Adjust the Ringer Tone Volume in Idle State

1. Press the Headset key while in an idle state to switch from headset mode to handset mode, and the Headset key lamp turns off.
2. Receives an incoming call.
3. Press the UP/DOWN key while the terminal is ringing.



For Ringer Tone Volume in Busy State

If other lines are accommodated in the telephone as a subline, and when an incoming call is terminated to the subline while a call in progress with headset, the ring tone volume is lower than usual.



When you receive another call during a call with the headset, the ringer tone volume for other lines in headset mode can be set to the same level as the normal two-way call. For details, contact the system administrator.

HOW TO USE THE WIRELESS HEADSET

When using Wireless Headset (W710 (APD-80) or WT100/Voyager Legend CS(APN-91)), you can answer a call, conduct a conversation, or disconnect the call with hooking operations. This section explains about the terminal operation using Wireless Headset.



- The **Headset** button of Wireless Headset must be programmed in advance. For the programming of **Headset** button, contact the system administrator.
- For details on how to connect a telephone and Wireless Headset, see the manual attached to the Wireless Headset.

To Answer a Call

1. Press the Call Control button of the Wireless Headset while the terminal is ringing, and the Headset button lights red. Depending on the installation phase, you can answer the call with hooking operations*.
※Hooking operations: Pressing Answer key or Headset button.
2. Press Call Control button to end the call, and the Headset button turns off.



When a party hangs up on the end of the call, the Wireless Headset user may hear signal tones. However, it does not affect the operation for the devices.

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

The following shows the technical specifications of DT920 Series.

	ITK-6D	ITK-12D
Display (LCD)	168 x 41 dot	
Display Color	Gray scale (with 8 shades of gray)	
Character on LCD	Characters supported by Multilingual Display	
Programmable Key	6 Keys	12 Keys
Fixed Feature Key	13 keys (with Menu/4 Cursors/Enter/Hold/Transfer/Speaker/Recall/Feature/ Answer/Mic)	
Backlight	Display (lit for 10 seconds when operating)	
Soft Key	4 Keys	
Local Phonebook (System Feature)	100 records	
Call History (System Feature)	Outgoing Call: Max 60 records Incoming Call: Max 60 records	
XML Browser	Available	
Hands-free	Available (Full duplex), Wideband support	
Headset (Cable)	HW510 (A10)/HW251N (A10)/W710 (APD-80)	
LAN Interface	2-port, 10BASE-T/100BASE-TX/1000BASE-T (Note3) ,Full-duplex/Half-duplex, Auto Negotiation /Fixed	
Voice CODEC	G.711 (μ-law, A-law), G.729a, G.722	
IP Address Setting	Sets via DHCP server/Sets Statically	
QoS	ToS (IP Precedence, Diffserv)	
Supporting standard/protocol for VLAN	Tag VLAN (IEEE802.1Q/p), LLDP-MED, DHCP	
Security	IEEE802.1x authentication (EAP-MD5, EAP-TLS), IEEE802.1x authentication support (EAPoL Forwarding) on the PC port via switch at a high hierarchy level, SIP&RTP Encryption, VPN (L2TP/IPsec (IPv4)) (Note4), HTTPS (File Downloading/Web Programming)	
Power Supply	Center Power Supply = IEEE802.3at Type1	
Power Consumption	Maximum = 3.6 [W], Minimum (in idle state) = 1.8 [W]	Maximum = 3.7 [W], Minimum (in idle state) = 1.8 [W]
Download	Program/Configuration data/Music on Hold	
Color	Black	
Dimension (W×D×H)	181(W) × 243(D) × 133(H) [mm]	
Weight	0.9 kg	
Environmental	Operational Temperature range = 0 to 40 °C (Storage temperature range = -20 to 60 °C) Humidity = 10 to 90% RH (non condensing)	



Note1 For details of terminal model, see MODEL LINE UP OF DT920 SERIES.

Note2 The number of programmable keys depends on the terminal license setting or the terminal model.

Note3 The availability of Gigabit Ethernet (1000BASE-T) depends on the terminal license setting or the terminal model.

Note4 VPN (L2TP/IPsec (IPv4)) is not supported in China.

The following shows the technical specifications of DT530 Series.

	DTK-12D/24D
Display (LCD)	168 × 58 dot
Display Color	Monochrome (with no shades of gray)
Character on LCD	Characters supported by Multilingual Display
Programmable Key	Key data is displayed on LCD. 24/12 Keys [2-color (red and green) LED]
Fixed Feature Key	10 keys (with Menu/Cursor button)
Backlight	Display and Digit Key (lit for 10 seconds when you press any key)
Soft Key	4Keys
Phonebook	30000 entries, 1000 entries / extension (System)
Call History	Outgoing Call: 60 records, Incoming Call: 60 records(System)
Hands-free	Standard equipment (Full-duplex)
Headset (Cable)	HW510 (A10)/HW251N (A10) WT100/Voyager Legend CS (APN91)
Power Consumption	2.0 [W]
Adapter (optional)	Recording Unit (ADA)/Analog Port Unit (APR)/Wall-mounting kit (WM)/Line Feature Key Unit (8LK)
Color	Black/White
Dimension (W×D×H)	181(W) × 244(D) × 143(H) [mm]
Weight	1.0 kg
Environmental	Operational Temperature range = 0 to 40 °C (Storage temperature range = -20 to 60 °C) Humidity = 10 to 90% RH (non condensing)

MENU LIST

MENU LIST FOR DT920 SERIES

Menu List for Setting

Menu Item		Description	Default Value
Settings			
	1 User Settings	Select this option to make the user settings of a terminal.	-
	1 Incoming Call	Select this option to set up for incoming call.	-
	1 Offhook Ring	Select this option to specify whether to use Off-hook ringing. (Disable/Enable)	Enable
	2 Headset Ring	Select this option to specify whether to use the ringing of headset. (Disable/Enable)	Disable
	3 Ring Tone	Select a ringer tone for Internal Call. (Automatic/Tone Type 1~17) Note: Do not select " 1 External Call"	Automatic (Tone Type1)
	4 Illumination	Select Illumination for External Call and Internal Call. (Automatic/Disable/Red/Green/Blue/Yellow/Purple/Light Blue/White/Rotation) Note: Do not select " 1 External Call"	Automatic
	2 Talk	Select this option to set up for telephone conversation.	-
	1 RTP Alarm	Select this option to specify whether to use RTP alarm. (Automatic/Disable/Enable)	Automatic
	2 DTMF Tone	Select this option to specify whether to use DTMF tone. (Automatic/Disable/Enable)	Automatic
	3 Key Touch Tone	Select this option to set key touch tone generated when the digit keys are pressed while the telephone is off-hook. (Automatic/Disable/Tone)	Automatic (Tone)
	4 Hold Music	Select a music on hold to be heard by DT920 user. (Default/Download)	Default (Minuet)
	3 Display	Select this option to set up for LCD display.	-
	1 Calender Format	Select this option to set up for calender display format and time display format.	-
	1 Calender Format	Select this option to configure the type of calender display format. (Automatic/Type 1/Type 2/Type 3/Type 4/Type 5)	Automatic (Type 1)
	2 Time Format	Choose between 12-hour and 24-hour clock format.	Automatic (12-hour format)
	2 Local Volume	Specify whether to display the following volume levels: handset receiver volume, speaker volume, ringer tone volume and LCD contrast. (Automatic/Disable/Enable)	Automatic (Enable)
	3 Screen Saver	Select this option to set up Screen Saver related data.	-
	1 Screen Saver Mode	Select this option to specify whether to use Screen Saver. (Disable/Enable)	Disable
	2 Wait Time	Select this option to specify the Wait Time to launch Screen Saver (1-999 min)	120 min
	4 Back Light	Select this option to specify whether to use the backlights of LCD. (Disable/Enable)	Automatic (Enable)

Menu Item		Description	Default Value
	5 Language	Select this option to specify a language to be displayed on LCD. <ul style="list-style-type: none"> ○ 0 Automatic ○ 1 日本語 ○ 2 NEC English ○ 3 NEC Português ○ 4 NEC Español ○ 5 NEC Français ○ 6 Deutsch ○ 7 ITALIANO ○ 8 Nederlands ○ 9 Norsk ○ 10 Dansk ○ 11 Svensk ○ 12 Ελληνικά ○ 13 English ○ 14 Português ○ 15 Español ○ 16 Français ○ 17 Русский ○ 18 Türk ○ 19 Azərbaycanca ○ 20 Român ○ 21 Polski ○ 22 Català ○ 23 한국어 ○ 24 中文 (簡体字) ○ 25 中文 (繁体字) 	Automatic
	6 Advanced	Set other data for display.	-
	1 Backlight Fade Control	Set whether Backlight Fade Control is in service, when turning on/off the backlight of the display. (Disable/Enable)	Enable
	4 Change Password	Select this option to change the password to lock/unlock the telephone.	0000
	5 Usability	Select this option to set the operation of Help key while pop-up window is displayed.	-
	1.Help Key Mode	Select this option to set up Help Key Mode (SubMenu/Popup Window)	SubMenu
	0 Setting Reset	Select this option to reset the telephone settings.	-
	2 Download	Select this option to set up the file downloading.	-
	1 Download Files	Select this option to download the files for music on hold.	-
	1 Hold Music	Select this option to download a file for music on hold.	MOH.wav
	2 Download Address	Select this option to enter an IP address/URI of the FTP/TFTP/HTTPS server.	0.0.0.0
	3 Protocol	Select this option to select a protocol of the server.	FTP
	1. FTP	Select this option to select FTP for the download server.	
	2. TFTP	Select this option to select TFTP for the download server.	
	3. HTTPS	Select this option to select HTTPS for the download server.	
	4 Account Settings	Select this option to set necessary data.	-
	1 User ID	Select this option to enter a user ID for downloading.	-
	2 Password	Select this option to enter a password for downloading.	-
	3 Folder	Select this option to specify the directory where the download file is stored.	-

Menu Item		Description	Default Value
	3 Data Backup/Restore	Select this option to set the data required for the file backup/restore.	-
	1 Data Backup	Select this option to specify the file name to be backed up.	PersonalData.tgz
	2 Data Restore	Select this option to specify the file name to be restored.	PersonalData.tgz
	3 Server Address	Select this option to enter an IP address/URI of the FTP/TFTP/HTTPS server.	0.0.0.0
	4 Protocol	Select this option to select a protocol of the server.	FTP
	1. FTP	Select this option to select FTP for the download server.	
	2. TFTP	Select this option to select TFTP for the download server.	
	3. HTTPS	Select this option to select HTTPS for the download server.	
	5 Account Settings	Set necessary data when using FTP service.	-
	1 User ID	Select this option to enter a user ID for the data backup.	-
	2 Password	Select this option to enter a password for data backup.	-
	3 Folder	Select this option to specify the destination directory.	-

MENU LIST FOR DT530 SERIES

Menu Item	Description
Menu	Press the Menu key while the terminal is in idle state.
1 Call History	Select this option to view call history data.
2 Directory	Select this option to access Phonebook feature. For details, see PHONE-BOOK .
3 Settings	Select this option to make the user settings of the terminal.

Menu List For **1** Call History

Menu Item	Description	Default Value
1 Call History		
1 Incoming	Select this option to view the history of incoming calls. You can also make a call from this menu.	-
2 Outgoing	Select this option to view the history of outgoing calls. You can also make a call from this menu.	-

Menu List For **3** Settings

Menu Item	Description	Default Value
3 Settings		
1 Ring Volume	Select this option to select a ringer tone volume.	Eight scales
2 Off Hook Ring	Select this option to select a Off-Hook Ringing.	Enable
3 Back Light	Select this option to select a LCD back-light.	Enable

WEB PROGRAMMING

DT920

OUTLINE

Web Programming allows you to configure the terminal settings from the PC. An Internet browser (Internet Explorer, etc.) is used to access Web Programming. It is not necessary to install any special application software to the PC.



- The terminal and Web Programming PC need to be connected to the same network. When downloading the files for Music on Hold and Ringer Tone to the terminal, FTP/TFTP/HTTPS server is required on the network. For details on the download service, contact the system administrator.
- Terminal settings through the Web Programming is available while the DT920 Series logs into the system.

PC Requirements for Web Programming

Items	Operating Conditions
Operating System	Microsoft® Windows® 7/Windows® 8.1/Windows® 10
CPU	Comply with conditions for use of Microsoft® Windows or Microsoft® Internet Explorer.
Memory	
Browser	Microsoft® Internet Explorer 7.0 or later
Monitor	SVGA (minimum: 800 × 600 pixel, recommended: 1024 × 768 pixel)
Others	Mouse, LAN connection port (RJ-45)

TO LOG IN

Follow the steps below to open the Web Programming.

1. Start-up Internet browser on the PC.
2. Enter IP address of the target terminal on the address toolbar and then press Enter key.



When you log in to the Web Programming using HTTPS protocol, enter "https://" before IP address. Then, a warning message displays on the browser though, the message has no problem. Select "Continue".

3. The Web Programming Login screen appears. Enter a user name (type "USER") and a password, then click **OK**.



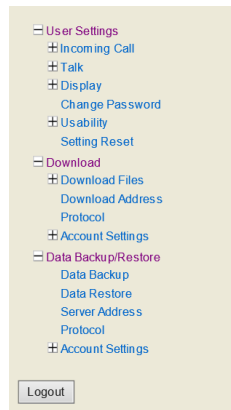
- Enter the password you assigned on the procedure "TO CHANGE PASSWORD". "0000" is used as password by the default setting.
- For IP address of the terminal, contact the system administrator.
- When the login screen does not appear, check the LAN connection status and entered IP address. If the problem persists, please contact the system administrator.

4. The following Web Programming Home screen appears.

TO LOG OUT

Follow the steps below to exit the Web Programming.

1. Click **Logout** at the lower left of the screen.



2. The confirmation message appears. Click **OK** to log out of Web Programming.
3. The display changes as follows. Click **Back**.



4. After the Web Programming Login screen is displayed, close the Internet browser.

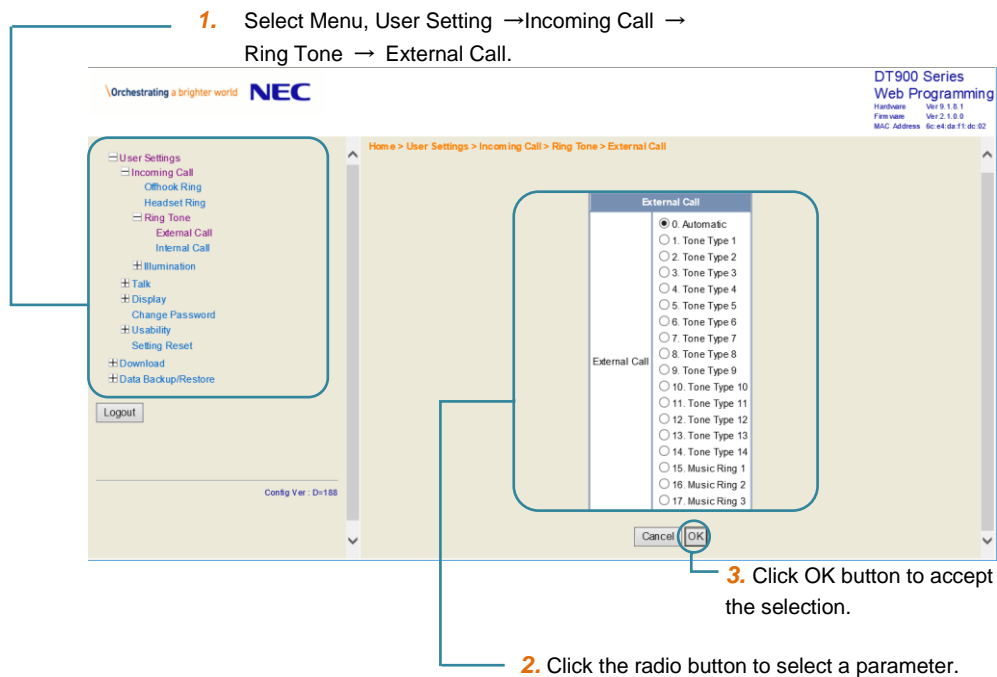


- Make sure to perform the logout operation after the data setting of the telephone.
- When 10 minutes have passed leaving the PC without operation after log in to Web Programming, you are forcibly logged out from the Web Programming.

HOW TO OPERATE

As an example of setting method on the Web Programming, the following explains how to change the ringer tone for external call. Web Programming includes the same menu configuration as "Setting" of the terminal. For details on each menu item, see [MENU LIST](#).

1. From the Home screen, click User Setting → Incoming Call → Ring Tone → External Call.
2. Select a desired tone type by clicking the corresponding radio button.
3. Click **OK** to save the change to the database.



4. A confirmation dialog appears. Click **OK** on the dialog.