Panasonic

Operating Instructions

SIP Phone

<KX-UTG300>

Model No. KX-UTG300

Thank you for purchasing this Panasonic product.
Please read this manual carefully before using this product and save this manual for future use.

KX-UTG300: Software File Version 1.131 or later

Document Version: 2014-04

Introduction

Feature Highlights

Easy Operation

You can easily access features using the Navigator key, fixed buttons, and soft buttons.
Also, the Message/Ringer lamp will inform you when you have an incoming call or a message waiting.

High-quality Voice Communication

This unit supports the standard SIP protocol and the G.722 codec, enabling reliable and high-quality voice communication.

ECO Mode

Enabling ECO mode allows you to use this unit while reducing the amount of electricity consumed (Page 45).

Compatible with Electric Hook Switch (EHS) Headsets

This unit supports EHS headsets (Page 58).

Compatible with Bluetooth® Wireless Headsets

This unit supports Bluetooth wireless headsets (Page 58).

Outline

This manual describes information about the installation and operation of the unit.

Related Documentation

Getting Started
Briefly describes basic information about the installation of the unit.

Administrator Guide
Describes information about the programming and maintenance of the unit.

Manuals and supporting information are provided on the Panasonic Web site at:
http://www.panasonic.com/sip

Note

- The contents and design of the software are subject to change without notice.

Other Information

Trademarks

- The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic System Communications Company of North America is under license.
- Plantronics is a trademark or registered trademark of Plantronics, Inc.
- Jabra is a registered trademark of GN Netcom A/S.
- All other trademarks identified herein are the property of their respective owners.

When you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-paid letter, detailing the symptom to the outside of the carton.
DO NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

Product Service

Panasonic factory service centers for this product are listed in the service center directory.
Consult your authorized Panasonic dealer for detailed instructions.

For Future Reference

Record the information in the space below for future reference.

Note

- The serial number and MAC address of this product may be found on the label affixed to the bottom of the unit. You should note the serial number and MAC address of this unit in the space provided and retain this manual as a permanent record of your purchase to aid in identification in the event of theft.

MODEL NO.	_____
SERIAL NO.	_____
MAC ADDRESS	_____
DATE OF PURCHASE	_____
NAME OF DEALER	_____
DEALER'S ADDRESS	_____
	_____
	_____
DEALER'S TEL. NO.	_____

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Important Information

Data Security

We recommend observing the security precautions described in this section, in order to prevent the following:

– loss, disclosure, falsification, or theft of user information
– unauthorized use of the unit
– interference or suspension of use caused by an unauthorized party

We cannot be responsible for damages resulting from the misuse of this product.

User information is defined as the following:

– Phonebook names, phone numbers, and IP addresses
– Forwarding destination numbers
– Numbers stored in One-touch Dialing buttons
– Passwords used to log in to the Web user interface
– Call logs

Preventing Data Loss

- Keep a copy of all important data (such as the phonebook list) in case the machine malfunctions and data cannot be recovered.
- There is a risk that data stored or saved on the unit may be changed or deleted when, for instance, the unit is being repaired. To protect important data from unexpected damage, see Data Security (Page 8).

Preventing Data Disclosure

- Store backups in a secure location.
- Do not store sensitive personal information in the unit.
- Personal information (such as the phonebook list and call log) can be registered and/or saved on this unit. To prevent data leakage or unexpected damages, make a record of necessary user information, etc., and initialize the unit to return it to its factory settings in the following cases.
  – When passing on or disposing of the unit
  – When lending the unit
  – When having the unit repaired
- Make sure the unit is serviced by only a certified technician.
- When user information is sent from the unit to a PC or other external device, the confidentiality of that information becomes the responsibility of the customer. Before disposing of the PC or other external device, ensure that data cannot be retrieved from it by formatting the hard disk and/or rendering it physically unusable.

Preventing Data Disclosure Over the Network

- To ensure the security of private conversations, only connect the unit to a secure network.
- To prevent unauthorized access, only connect the unit to a network that is properly managed.
- Make sure all personal computers that are connected to the unit employ up-to-date security measures.

Security Information

- Security settings, such as passwords, cannot be undone at Panasonic service centers. Take measures to prevent passwords from being lost or forgotten.
- If a password is forgotten, initialize the unit and configure the settings again. For details, consult your administrator or dealer.
- For best security, set passwords that cannot be guessed easily, and change passwords periodically.
- If using SSL authentication, an NTP server must also be specified. Furthermore, if SSL authentication is performed without specifying an NTP server, authentication will be unconditionally validated without confirming the validity of the SSL certificate.

Additional Information

FCC and Other Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

FCC Declaration of Conformity

Trade Name: Panasonic
Model Number: KX-UTG300
Responsible Party:
Panasonic Corporation of North America
Two Riverfront Plaza
Newark, NJ 07102-5490 U.S.A.
Telephone No.: 1-800-211-PANA (7262)

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of the cabinet of this equipment is a label that contains, among other information, a product identifier in the format
US:ACJ.....
If requested, this number must be provided to the telephone company.

If trouble is experienced with this equipment, for repair or warranty information, please contact:
Panasonic National Service Center
1615 Dundee Avenue Dock G
Elgin, IL 60120
1 (847) 888-7000

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

WHEN PROGRAMMING EMERGENCY NUMBERS AND (OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:

a. Remain on the line and briefly explain to the dispatcher the reason for the call.
b. Perform such activities in the off-peak hours, such as early morning or late evenings.

This equipment is hearing aid compatible.

When you hold the phone to your ear, noise might be heard in your Hearing Aid. Some Hearing Aids are not adequately shielded from external RF (radio frequency) energy. If noise occurs, use the speakerphone option (if applicable) when using this phone. Consult with your audiologist or Hearing Aid manufacturer about the availability of Hearing Aids which provide adequate shielding to RF energy commonly emitted by digital devices.
This unit features a built-in Bluetooth module that can be used to wirelessly connect a Bluetooth headset to the unit.

Radio Frequency Exposure Requirements

This product complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF exposure requirements, it must be installed and operated in accordance with provided instructions. The unit requires minimum 20 cm (8 in) spacing must be provided between antennas and all person's body (excluding extremities of hands, wrists and feet) during wireless modes of operation. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

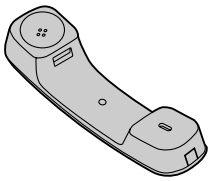
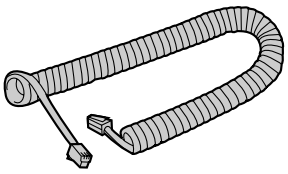
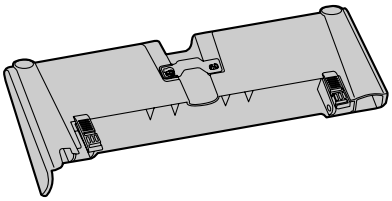
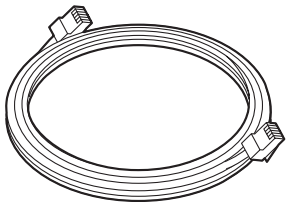
Compliance with TIA-1083 standard

Telephone handsets identified with this logo have reduced noise and interference when used with T-Coil equipped hearing aids and cochlear implants.

Before Operating the Telephone

Accessory Information

Included Accessories[*1]

Handset (1)	Handset Cord (1)
 [Part No.] 95.1204T00	 [Part No.] 371.00447.005
Stand (1)	**Ethernet cable (1)**
 [Part No.] 467.00209.005	 [Part No.] 371.00473.005

[*1] For extra orders for the accessories, call toll-free: 1-800-332-5368.

Note

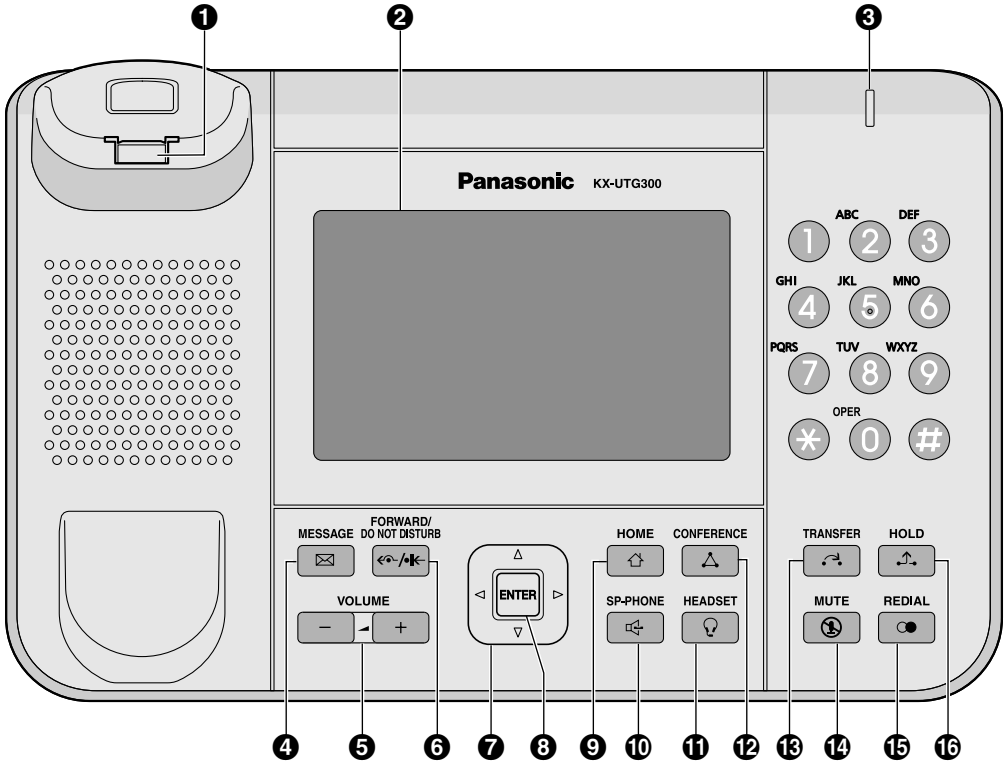
- The illustrations may differ from the appearance of the actual product.

Optional Accessories

AC Adaptor	• DSA-42D-48 2 480063 (P/N: 381.00398.005)
Wall Mount Kit	• KX-A433
Add-on key module	• KX-UTA336

Location of Controls

Front View



❶ **Handset Hook**
Keeps the handset stable when the unit is mounted on a wall.

❷ **LCD (Liquid Crystal Display)**
The unit is equipped with a 5.0-inch color LCD touch screen and LCD backlight.

❸ **Message/Ringer Lamp**
When you receive a call, the lamp flashes red.
When someone has left you a message, the lamp stays on red.

❹ **MESSAGE**
Used to access your voice mailbox.

❺ **VOLUME**
Used to adjust the volume.

❻ **FORWARD/DO NOT DISTURB**
Used to set Call Forwarding or Do Not Disturb on your extension.

❼ **Navigator Key**
Used to select desired items.

❽ **ENTER**
Used to assign the selected item.

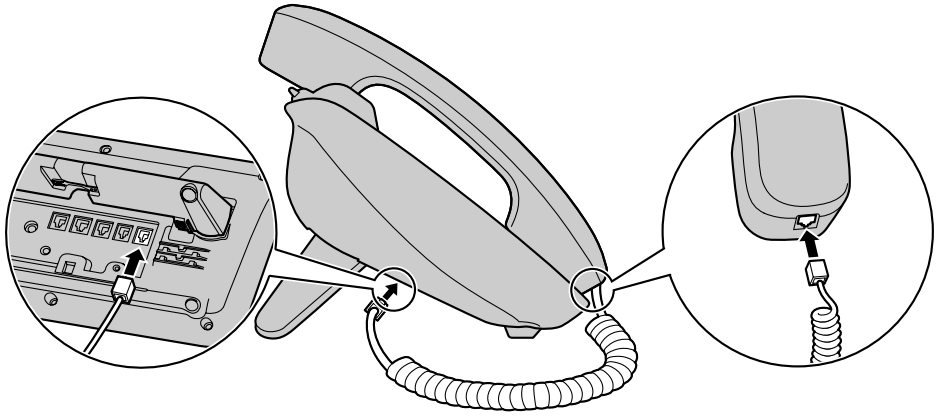
❾ **HOME**
Used to return the display to the home screen.

❿ **SP-PHONE (Speakerphone)**
Used for performing hands-free operations. When the SP-PHONE is used, its lamp turns red.

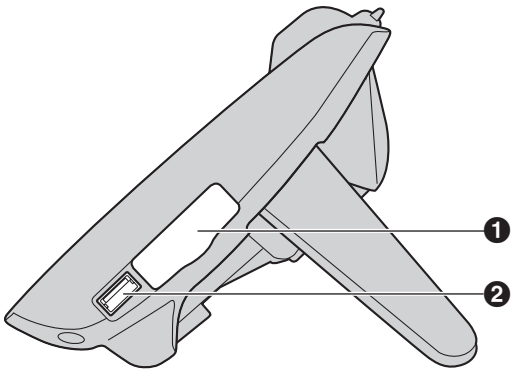
⓫ **HEADSET**
Used when using a headset. When the HEADSET is used, its lamp turns red.

⓬ **CONFERENCE**
Used to establish a three-way conference.
⓭ **TRANSFER**
Used to transfer a call to another party.
⓮ **MUTE**
Used to mute the microphone/handset/headset during a conversation. When the MUTE is used, its lamp turns red.
⓯ **REDIAL**
Used to redial the last dialed number.
⓰ **HOLD**
Used to put a call on hold.

Left Side View

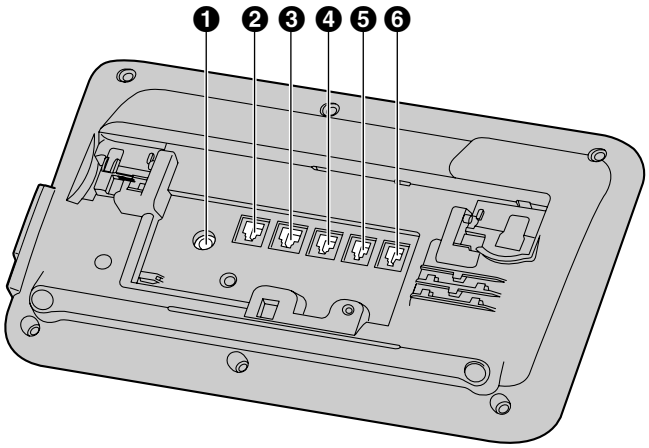


Right Side View



❶ **Add-on Key Module Slot Cover**
Remove the Add-on key module slot cover when connecting an Add-on key module to the unit.
❷ **USB Port**
Connect a USB headset or other USB device.

Bottom View

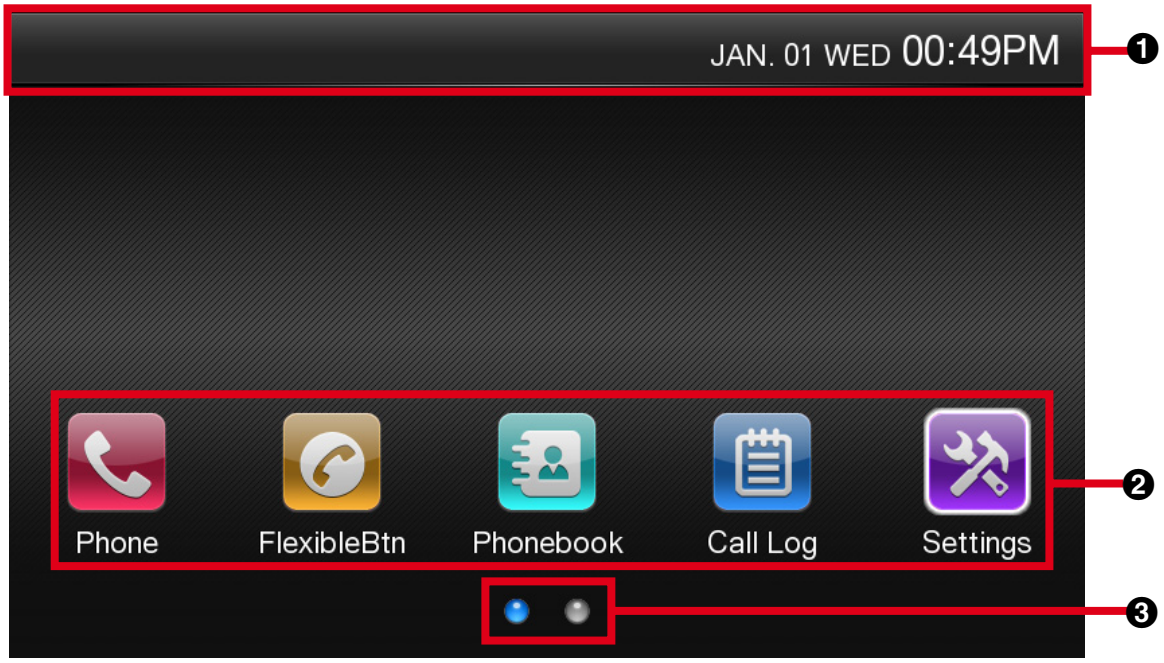


❶ DC Jack
❷ LAN Port
❸ PC Port
❹ EHS Jack
❺ Headset Jack
❻ Handset Jack

Screens

This section explains the screens, and the buttons and icons that appear on the display.

Home Screen



❶ **Status Bar**

Indicates the status of various features (Page 16) as well as information such as the date and time.

❷ **Home Screen Icons**

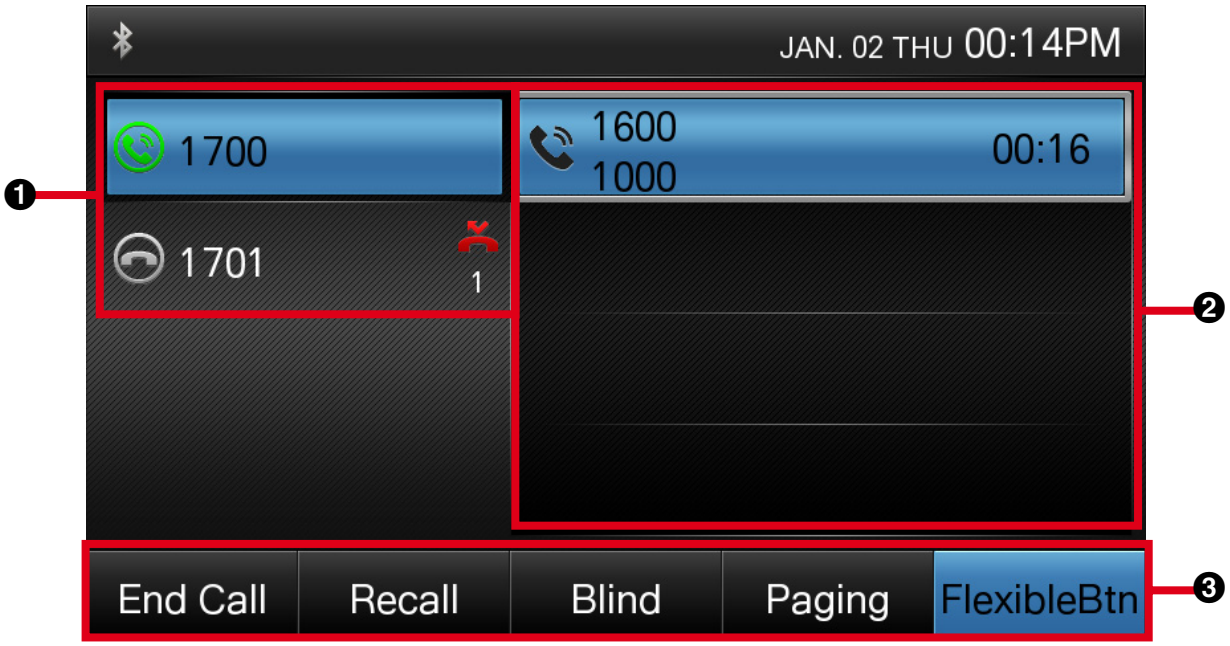
The Home screen icons can be used to access various functions and screens on the phone. You can select Home screen icons by touching them.

Icon	Description
	Access the Phone screen. (Page 20)
	Access the Flexible button screen. (Page 30)
	Access the phonebook. (Page 36)
	Access the call log. (Page 21)
	Access the user setting menus. (Page 39)
	Access the paging screen. (Page 22)
	Access the service screen. (Page 29)
	Access Instant Messaging and Presence. (Page 33)

❸ **Page Buttons**

Indicates how many pages are available for the Home screen and which page is currently displayed. If other pages are available, press **[▲]** or **[▼]** to display the other page.

Phone Screen



❶ **Line Buttons**
Line buttons are used to access the lines registered to the unit. Line buttons can be selected by touching them or by pressing **[▲]** or **[▼]**. A maximum of 6 lines can be registered to the unit. The status of line buttons can be confirmed with the displayed line icons (Page 17).

❷ **Call Buttons**
Call buttons are used to select calls to or from the unit. Call buttons can be selected by touching them or by pressing **[▲]** or **[▼]**. The status of call buttons can be confirmed with the displayed call icons (Page 17).

❸ **Soft Buttons**
Soft buttons are displayed for functions that can be used depending on the screen displayed and the state of the unit. If More is displayed, you can touch it to display other available soft buttons. See Page 18 for a list of commonly used soft buttons.

Icons

Status Icons

Status icons indicate the status of the unit and are displayed at the top of the screen in the status bar.

Icon	Description
	Displayed when the ringer is turned off (Page 20).
	Displayed when **[HEADSET]** is pressed.
	Displayed when the connection to the LAN is lost. If this icon is displayed, check the Ethernet cable connection.
	Displayed when the Bluetooth feature is activated but not connected to a device. (Page 68).

Icon	Description
	Displayed when the Bluetooth feature is activated and connected to a device. (Page 68).
	Displayed when ECO mode is enabled.
	Displayed when a firmware upgrade is available.

Line Icons

Line icons indicate the status of lines in the Phone or Call log screens.

General Line Icon	Shared Line*1 Icon	Description
		Displayed when registering to the SIP server.
		Displayed when registration to the SIP server has been lost. If this icon is displayed, consult your administrator or dealer.
		Indicates the line is registered to the SIP server.
		Displayed when the line is on a call.
		Displayed when the line has an incoming call.
		Displayed when the line has a call on hold.
 	 	Indicates that DND (Do not Disturb) settings are active for the line.
		Indicates that call forwarding settings are active for the line.
 	 	Indicates that auto answer settings are active for the line.
	—	Displayed next to lines that have new messages (Page 28).
	—	Indicates that there was a missed call. This icon also indicates a missed call in the call log.

*1 Shared line is an optional feature and may not be supported on your phone system. See Page 29 for information.

Call Icons

Call icons indicate the status of calls and lines in the Phone screen.

Icon	Description
	Displayed when dialing on-hook.

Icon	Description
	Displayed when dialing off-hook, or when on an active incoming or outgoing call.
	Displayed when there is an incoming call.
	Displayed when a call is on hold.
	Displayed when an incoming call is on hold.
	Displayed when another phone on a shared line*1 is on call.
	Displayed when another phone on a shared line*1 is on hold.

*1 Shared line is an optional feature and may not be supported on your phone system. See Page 29 for information.

Call Log Icons

Call log icons indicate the type of call displayed in the call log.

Icon	Description
	Indicates a missed call.
	Indicates a placed call.
	Indicates a received call.

Soft Button List

The following is a list of commonly used soft buttons.

Button	Description
Back	Return to the previous screen.
Call Log	Access the call log (Page 21).
Phonebook	Access the phonebook (Page 36).
Cancel	Cancel the operation.
Backspace	Erase the number or character to the left of the cursor (Page 21).
Search	Search for a phonebook entry (Page 21).
End Call	End a call.

Button	Description
Enter	Save or confirm the information shown on the display, or enter into the next screen. **Note** • You can also use the physical **[ENTER]** button to perform the same operation as this soft button.
More	Display other available soft buttons.
Answer	Answer an incoming call (Page 20).
Reject	Reject an incoming call (Page 23).
Blind	Perform a blind transfer (Page 26).
Save	Save the information shown on the display (Page 23, Page 36).
Send	Make a call (Page 21).
Edit	Edit the information shown on the display (Page 23, Page 36).
Prefer	Assign the preferred number to dial among multiple registered phone numbers in the same phonebook entry, when making a call using the phonebook (Page 36).
FlexibleBtn	Access the Flexible button screen.
Resume	Resume a call that has been put on hold.
New Call	Initiate a new call.

Basic Operations

This section explains the basics of using the unit.

Confirming Your Extension Number

In stand-by mode (i.e., when you do not have any active calls on the Phone screen), you can view the extension number and name registered to the unit.

Going off- and on-hook

There are several ways to go off-hook and on-hook:

- Using the handset
- Using the **[SP-PHONE/HEADSET]** button
- Using the soft buttons

Going off-hook

In this manual, when you see the phrase "go off-hook", it means to do any of the following:

- Lift the handset off of its cradle.
- Press **[SP-PHONE/HEADSET]** while the handset is on its cradle. This enables hands-free mode.
- Press **[SP-PHONE/HEADSET]** when using a headset.

Note

- Certain soft buttons, such as Answer, function like the **[SP-PHONE]** button.

Going on-hook

In this manual, when you see the phrase "go on-hook", it means to do any of the following:

- Replace the handset on its cradle.
- Press **[SP-PHONE/HEADSET]** when using a headset or when you are in hands-free mode.

Hands-free Mode

In hands-free mode, you can talk and hear the other party in a conversation without using the handset. This mode is useful for performing other tasks during a conversation, such as writing.

Enabling hands-free mode

You can enable hands-free mode in one of the following ways:

- In stand-by mode, press **[SP-PHONE]**.
- During a conversation while using the handset, press **[SP-PHONE]**. You can then return the handset to its cradle.
- When receiving an incoming call, touch Answer.

Canceling hands-free mode

You can cancel hands-free operation simply by lifting the handset off its cradle.

Adjusting the Volume

You can adjust the ringer, handset, headset, and speaker volume using **[–]** and **[+]** on the VOLUME key.

Adjusting the ringer volume

When receiving a call or when the handset or headset are not in use, press **[–]** or **[+]**.

Note

- When the ringer volume is turned all the way down, " " is displayed.

Adjusting the handset/headset/speaker volume

Press **[–]** or **[+]** during a conversation when using the handset, headset, or when you are in hands-free mode.

Feature Operations

Making Calls

This section explains the basic methods for making a call.

Making a Call

1. In stand-by mode, go off-hook.
2. Enter the number you want to call.
3. Touch Send, or wait a few seconds for the number to be dialed.
4. To end the call, go on-hook.

Note

- If more than one line is available at your unit, you can touch an idle line button assigned to the line you want to use before entering the number. For details about line buttons, see "Flexible Buttons (Page 30)".
  You can also select a line by pressing **[▲]** or **[▼]**.
- To delete a number you entered, touch Backspace.

Making a Call from the Phonebook List

Scrolling through all entries

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select an entry.
3. Go off-hook.
4. To end the call, go on-hook.

Note

- In step **2**, if multiple phone numbers are stored for the entry, you can touch Details and then select the phone number to call.

Searching by name

1. On the Home screen, select .
2. Touch Search.
3. Enter the name (max. 20 characters) you want to search for.
   - The entries that match your search are displayed.
4. Press **[▲]** or **[▼]** to select the desired entry.
5. Go off-hook.
6. To end the call, go on-hook.

Note

- For details about entering characters, see "Entering Characters (Page 52)".
- In step **4**, if multiple phone numbers are stored for the entry, you can touch Details and then select the phone number to call.

Dialing by Using Call Logs

The last 300 missed, received, and placed calls are stored in their respective logs, in order of newest to oldest call.
Missed, received, and placed calls appear in the All Calls call log in addition to their respective call logs.
You can make calls to the numbers listed in the call logs.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select the call log type, and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select the desired entry.
4. Go off-hook.
5. To end the call, go on-hook.

Note

- You can add a call log entry to the phonebook. See "Adding a Phonebook Entry from the Call Log (Page 36)".
- See Page 18 for information on call log icons.

Editing a phone number before dialing from the call log

You can edit a phone number in the incoming or missed call log before using it to dial.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select the log type, and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select the desired entry.
4. Touch Edit Dial.
5. Edit the number, and then go off-hook.
6. To end the call, go on-hook.

Redialing the Last Number You Dialed (Redial, Last Number)

You can redial the last phone number that you dialed.

1. Go off-hook.

2. Press **[REDIAL]**.
3. To end the call, go on-hook.

Note

- To select a line to use to redial, touch the appropriate line button before you press **[REDIAL]**. For details about line buttons, see "Flexible Buttons (Page 30)".
  You can also select a line by pressing **[▲]** or **[▼]**.

One-touch Dialing

You can make a call with a One-touch operation if a One-touch Dialing button has been created for the desired party. One-touch Dialing buttons can also be configured to access features of your phone system, if available.

1. On the Home screen, select .
2. Touch the One-touch Dialing button.
3. To end the call, go on-hook.

Note

- A BLF (Busy Lamp Field) button can also be used to call an extension simply by touching the button. For details, consult your administrator or dealer.
- For details about flexible buttons such as One-touch Dialing buttons and BLF buttons, see "Flexible Buttons (Page 30)".

Intercom

If the SIP server supports the Intercom feature, you can use it to make intercom announcements to other phones. For details, consult your administrator or dealer.

Multicast Paging (Push To Talk)

Multicast paging enables you to send a one-way announcement to a preconfigured page group. To use multicast paging, the Enable Multicast Paging setting must be enabled through Web user interface programming (Page 54). For details, consult your administrator or dealer.

Sending multicast paging announcements

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select the page group, and then touch **Start**.
3. Make the announcement.
4. To end the announcement, touch **Stop**.

Receiving multicast paging announcements

When a multicast paging announcement is received, it is automatically played. By default, announcements are played through the speaker.

Note

- To pause received announcements, go on-hook, press **[SP-PHONE],** or touch **Pause**.
  To start playing messages again, touch **Play**.
- If Paging DND is enabled, all incoming pages are rejected except for priority 1 pages.

Multicast Paging Icons

Multicast paging icons indicate the status of pages and the multicast paging groups registered to the unit.

Icon	Description
	Indicates an outgoing page.
	Indicates an incoming page.
	Indicates the paging group is idle.
	Indicates the incoming page is paused.
	Indicates the incoming page is being played after being paused.

Receiving Calls

This section explains the basic methods for receiving a call.

Receiving a Call

1. Go off-hook.
2. To end the call, go on-hook.

Auto answer

You can have the unit automatically answer a received call. The call is connected after a programmed number of rings.

- To enable Auto Answer:
  On the Phone screen, touch AutoAns.
  "Auto-answer is turned on" is displayed.
- To disable Auto Answer:
  On the Phone screen, touch AutoAns.
  "Auto-answer is turned off" is displayed.

Note

- When Auto Answer is enabled, appears on the line button it was enabled for.

Rejecting Calls

You can reject a received call at your unit or set the unit to reject certain calls.

Rejecting receiving calls

1. When receiving a call, touch Reject.

Rejecting anonymous calls

You can set the unit to reject calls when the unit receives a call without a phone number.
To reject anonymous calls, the Block Anonymous Call setting must be enabled through Web user interface programming (Page 54). For details, consult your administrator or dealer.

If the Block Anonymous Call setting is enabled through Web user interface programming, you must configure the unit to block anonymous calls.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Basic Call Features", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "Block Anonymous Call".
4. Touch On.

Note

- Rejected phone numbers will not be stored in the incoming or missed call log.
- Depending on the line a call is arriving on, the call may not be rejected.

Rejecting specific calls

You can set the unit to reject specific phone numbers.

Note

- Rejected phone numbers will not be stored in the incoming or missed call log.

Adding a phone number

You can store a maximum of 30 phone numbers you want to reject in the rejection list of the unit.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Basic Phone Settings", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "Call Block", and then press **[ENTER]**.
4. Touch Add.
5. Enter the telephone number (max. 32 digits), and then touch Save.

Note

- To register additional telephone numbers, repeat the procedure from step **4**.

Adding a phone number from the call log

You can add a phone number by referring to the call log.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select the log type, and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select the entry with the phone number you want to reject.
4. Touch Save.
5. Press **[▲]** or **[▼]** to select "Call Block", and then press **[ENTER]**.
6. Touch Yes.

Note

- You cannot perform this operation in "Placed Calls" or on placed calls in "All Calls".

Editing a stored phone number

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Basic Phone Settings", and then press **[ENTER]**.

3. Press **[▲]** or **[▼]** to select "Call Block", and then press **[ENTER]**.
4. Press **[▲]** or **[▼]** to select the phone number you want to edit, and then touch Edit.
5. Edit the phone number as necessary, and then touch Save.

Deleting a stored phone number

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Basic Phone Settings", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "Call Block", and then press **[ENTER]**.
4. Press **[▲]** or **[▼]** to select the phone number you want to delete, and then touch Delete.
5. Touch Yes.

Ignoring Calls

You can ignore incoming calls at your unit. The ringer is muted when a call is ignored.

1. When receiving a call, touch Ignore.
   - To answer an ignored call, touch Answer.
   - To reject an ignored call, touch Reject.
   - To close the incoming call dialog, touch Close.

Holding a Call

You can put a call on hold by holding the call at your extension.

To hold the current call

1. Press **[HOLD]**, and then go on-hook.

To retrieve a call on hold at your extension

1. Press **[HOLD]**, and then go off-hook.

Note

- If a call is not retrieved within a specified time, you will hear an alarm as a reminder.
- If Automatic Call Hold is enabled on your unit, the call will also be put on hold if you touch a flexible button other than the one for the current call. For details, consult your administrator or dealer.

Receiving a Second Call (Answering Call Waiting)

During a conversation, if a second call arrives, you will hear a call waiting tone.
You can answer the second call by disconnecting or holding the current call.

To disconnect the current call and then talk to the new party

1. Go on-hook while hearing the call waiting tone.
2. Go off-hook.

To hold the current call and then talk to the new party

1. Touch the call button for the current call, and then press **[HOLD]**.
2. Touch the call button for the new call.

Note

- If Automatic Call Hold is enabled on your unit, the call will also be put on hold if you touch a flexible button other than the one for the current call. For details, consult your administrator or dealer.
- For details about call buttons, see Page 16.

Talking to Two Parties Alternately (Call Splitting)

When you are talking to one party and have another party on hold, you can switch the call on hold and the current call.

1. Press **[HOLD]** during a conversation.
2. Touch New Call and call the second party.
3. Press **[HOLD]** and touch the call button that corresponds to the other party on hold.

Note

- For details about call buttons, see "Flexible Buttons (Page 30)".
- If a call is not received within a specified amount of time, you will hear an alarm as a reminder.

Transferring a Call (Call Transfer)

You can transfer a call to another destination (extension or outside party).

To transfer

1. Press **[TRANSFER]** during a conversation.
2. Call the party you want to transfer the call to.
3. Wait until the other party answers to announce the transfer.
4. Press **[TRANSFER]**.

Note

- If unscreened transfers are supported on your phone system, step **3** can be omitted. For details, consult your administrator or dealer.

To do a blind transfer

1. Touch Blind during a conversation.
2. Call the party you want to transfer the call to.
3. Go on-hook.

To Transfer with a Flexible Button

1. Touch FlexibleBtn during a conversation.
2. Touch the desired flexible button.
3. Press **[▲]** or **[▼]** to select "Transfer", and then press **[ENTER]**.
4. Wait until the other party answers to announce the transfer.
5. Go on-hook.

Note

- If unscreened transfers are supported on your phone system, step **4** can be omitted. For details, consult your administrator or dealer.
- For details about flexible buttons, see "Flexible Buttons (Page 30)".

To Transfer with Flexible Buttons on the KX-UTA336

If the optional KX-UTA336 is installed, you can transfer calls using its flexible buttons.

1. Press **[TRANSFER]** during a conversation.
2. Press the desired flexible button on the KX-UTA336.
3. Wait until the other party answers to announce the transfer.
4. Press **[TRANSFER]**.
5. Go on-hook.

Note

- For details about flexible buttons on the KX-UTA336, see "Using Flexible Buttons with the KX-UTA336 (Page 31)".

Mute

You can mute your voice during a conversation. While the mute feature is turned on, you will be able to hear the other party, but the other party will not be able to hear you.
The built-in microphone, handset, and headset are all muted when the mute feature is turned on.

To mute/unmute

1. Press **[MUTE]**.

Conference Call

During a conversation, you can add an additional party to your call and establish a conference call.

Notice

- Your phone system may support advanced conference features, such as conference calls with four or more parties. In this case, the procedures for handling a conference call may be different from those explained in this section. For details about your phone system, consult your administrator or dealer.

Making a Conference Call

1. Press **[CONFERENCE]** to put the current call on hold.
2. Call the party you want to add to the conversation.
3. After the called party answers, press **[CONFERENCE]** to begin the conference call.

Removing a Party from the Conference

During a conference, you can remove other parties from the conference. However, this operation is available only during conference calls you initiate.

1. Touch the call button that corresponds to the party you want to disconnect.
2. Touch End Call.
   - The party is disconnected.
   - You can continue the conversation with the remaining party.

Note

- For details about call buttons, see "Flexible Buttons (Page 30)".

Ending a Conference Call

1. Go on-hook during a conference.

Checking Messages

Checking New Messages

When you receive a voice message, is displayed on the line button that received the call, and the Message/Ringer lamp turns red.
You can check your new messages by accessing your mailbox.

1. Press **[MESSAGE]**.
2. If the unit has multiple lines, touch the line button on which is displayed, and then go off-hook.

Checking Missed Calls

When there are new missed calls, appears in the Phone screen.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Missed Calls", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select the missed call.

Note

- In the "All Calls" and "Missed Calls" logs, is displayed for missed calls.
- For details about making calls from the call log, see "Dialing by Using Call Logs (Page 21)".

Erasing All Call Logs in a Log Category

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select the log category, and then press **[ENTER]**.
3. Touch Clear List, and then touch Yes.
   - All call logs for the selected category will be erased.

Call Forwarding/Do Not Disturb

You can have received calls automatically forwarded to another destination. You can also have received calls rejected (Do Not Disturb).

Note

- When Call Forwarding is enabled, appears on the line button it is enabled for.
  When Do Not Disturb is enabled, appears on the line button it is enabled for.

To access the FWD/DND settings

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select the desired line button, and then press **[FORWARD/DO NOT DISTURB]**.
3. Press **[▲]** or **[▼]** to select the type of FWD or DND setting to apply.
4. Configure the settings as necessary (Page 45).

Optional Group Features

The unit supports the optional ACD (Automatic Call Distribution), Call Pickup, Direct Call Pickup, Call Park, and Call Retrieve optional group features. If the SIP server supports these features, the following icons will be displayed in the Phone screen depending on the status of the groups. Consult your administrator or dealer for more information.

Icon	Description
	Indicates there is a parked call.
	Indicates that the line is signing in to an ACD group.
	Indicates that the line is signing out of an ACD group.
	Indicates that ACD is available for the line.
	Indicates that ACD is not available for the line.
	Indicates that ACD for the line is in wrap up mode.

SCA (Shared Call Appearance)

SCA (Shared Call appearance) or shared line is a feature that allows multiple units to use a shared line. This is an optional feature and may not be supported on your phone system. For more information consult consult your administrator or dealer.

Note

- See Page 17 for information on the statuses of shared lines.

Services

The Services function enables you to access interactive services, such as stock and weather information, and phone related services, such as Enterprise phonebook. The Application Settings (Page 50) must be configured in order to use Services. For information about the required settings and available services, consult your administrator or dealer.

Flexible Buttons

The flexible buttons on the unit can be customized to be used to make or receive calls or as feature buttons. These buttons are configured by your administrator or dealer.

Access the Flexible button screen by selecting on the Home screen or by touching FlexibleBtn on the Phone screen.

Flexible Button Screen

❶	Shows the available flexible buttons. Touch the flexible buttons to select them.
❷	Touch to return to the previous screen.
❸	Touch to display other flexible button pages.

The following types of flexible buttons are available:

One-Touch

Calls the party or accesses a feature assigned to the button. See "One-touch Dialing (Page 22)".

BLF (Busy Lamp Field)

Calls the extension assigned to the button. During a conversation, a BLF button can be used to transfer calls to the assigned extension ("To Transfer with a Flexible Button (Page 26)").
A BLF button's icon shows the current status of the assigned extension.

Note

- BLF (Busy Lamp Field) is an optional feature and may not be supported on your phone system.

Flexible Button Icons

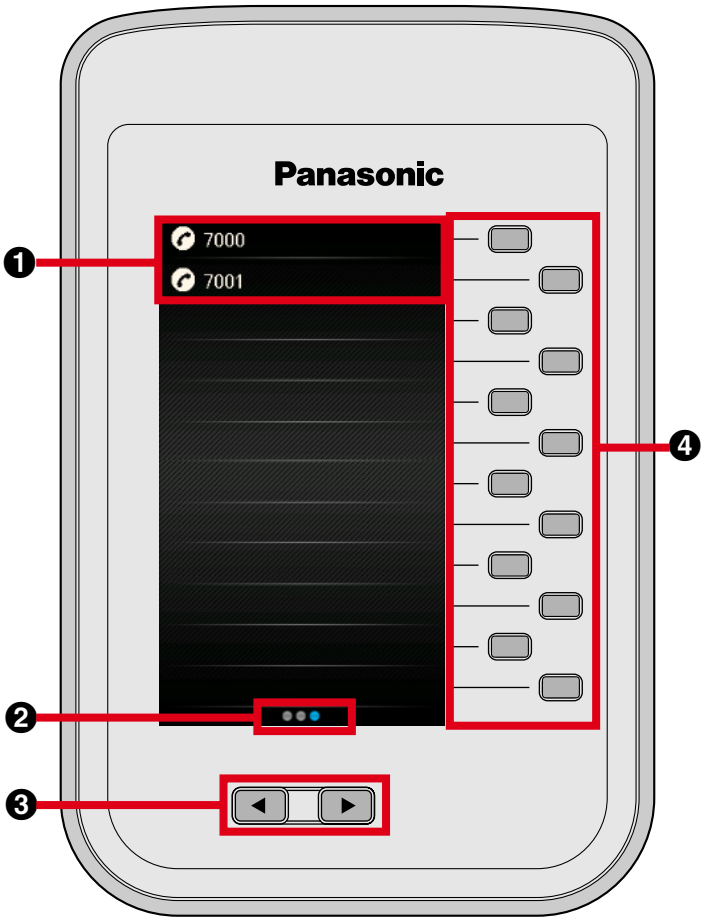
Flexible button icons indicate the type and status of the flexible buttons in use.

Icon	Description
	Indicates a one-touch flexible button.
	Indicates a BLF flexible button is subscribing.

Icon	Description
	Indicates a BLF flexible button is idle.
	Indicates a BLF flexible button is busy.
	Indicates a BLF flexible button is alert.
	Indicates a call with BLF flexible button is parked.

Using Flexible Buttons with the KX-UTA336

The optional KX-UTA336 allows 36 additional flexible buttons (3 pages of 12) to be used with the unit. The available flexible buttons (Page 30) and their icons (Page 30) are the same as for the unit.



No.	Description
❶	Shows the available flexible buttons.
❷	Indicates how many pages are available and which page is currently selected. (A maximum of 3 pages are available.)
❸	Press **[◄]** or **[►]** to change the displayed page.

No.	Description
❹	Press these buttons to select the corresponding flexible buttons.

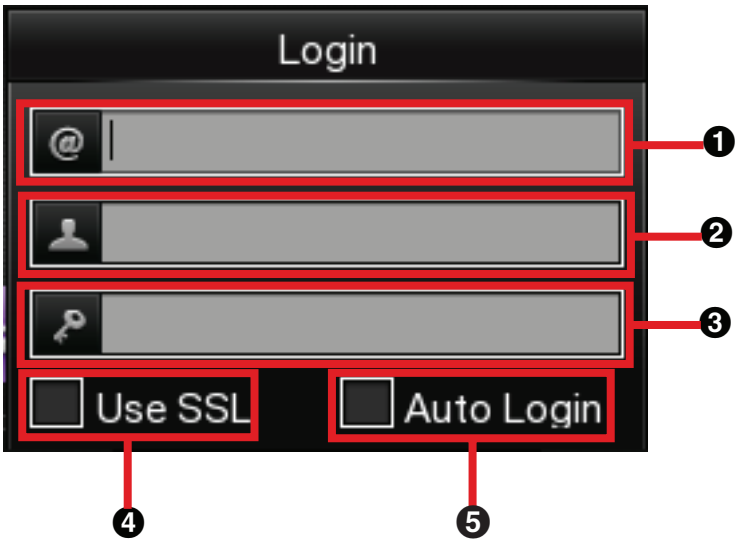
IM&P (Instant Messaging & Presence)

IM&P (Instant Messaging & Presence) is a service that enables you to send short messages and call other users registered to the service. In order to use IM&P, you must have a user account. For more information, consult your administrator or dealer.

Logging in to IM&P

When you first use IM&P you must log in by entering the server address, user name, and password.

IM&P Login Screen



❶	Enter the server address.
❷	Enter the user name.
❸	Enter the password.
❹	Select when secure connections are required.
❺	Select to log in to IM&P automatically.

Logging in for the first time

1. On the Home screen, select .
2. Touch the desired field and enter the server address, user name, and password.
   - If a secure connection is required, select "Use SSL".
3. Touch Login.
   - The IM&P screen is displayed.

Logging in subsequent times

1. On the Home screen, select .
   - The login screen is displayed with the configured server address, user name, and password already entered.
   - If you want to log in with a different account, change the settings as required.
2. Touch Login.

- The IM&P screen is displayed.

Logging out

1. On the IM&P screen, touch **Logout**.

Presence

Presence is used to show the status of users. You can check if other users are available by checking the presence displayed next to their names. Other users can also check if you are available by checking your presence. The following types of presences can be used.

Presence	Description
Available	Indicates that the user is online and is able to communicate.
Busy	Indicates that the user is online but is not able to communicate.
Away	Indicates that the user has been idle or is away.
Offline	Indicates that the user is offline.

Setting your Presence

1. On the IM&P screen, press **[▲]** or **[▼]** to select "My Status".
2. Press **[▲]** or **[▼]** to select "Presence State".
3. Press **[▲]** or **[▼]** to select the desired presence, and then touch **Select**.

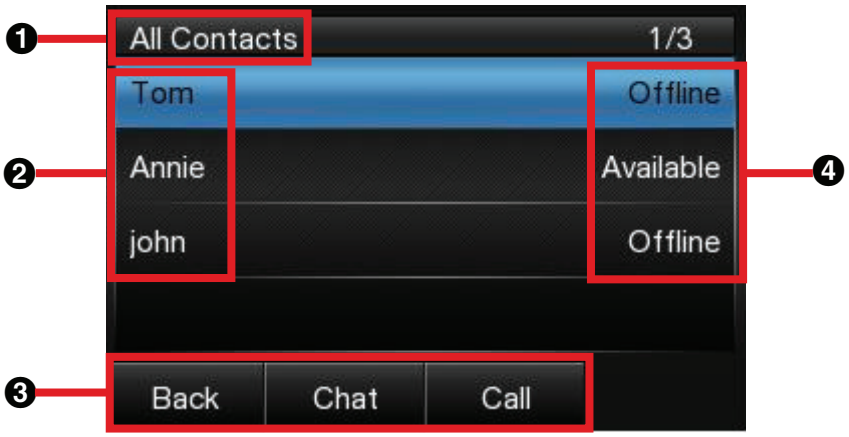
Contacts

Contacts are IM&P users registered to your IM&P account who you can send messages to or call. Addition, editing, or deletion of contacts cannot be performed on the unit and must be performed on the SIP server. For more information, consult your administrator or dealer.

Contact Type	Description
All Contacts	Contains a list of all the contacts registered to the unit.
Groups	Contains a list of contacts organized into separate groups. You can only send a message or call individual contacts within a group. You cannot send messages or call all contacts in a group simultaneously.
Non-IM&P contacts	Contains a list of contacts not related to IM&P.
Conferences	Contains a list of special groups configured for conference calls. By selecting a conference group, you can have a conference call with members of the conference group.
Favorites	Contains a list of favorite contacts.

Contact Type List Screen

The following screen is an "All Contacts" screen.



❶	Contact type
❷	Contacts
❸	Available actions
❹	Status of contacts

Sending Messages to Contacts

You can send instant messages to your contacts. Messages can be a maximum of 128 characters in length.

Sending Messages

1. On the IM&P screen, press **[▲]** or **[▼]** to select the contact type.
   - If "Groups" is selected, select the group after selecting the contact type.
2. Press **[▲]** or **[▼]** to select the contact, and then touch **Chat**.
3. Enter the message (max. 128 characters), and then touch **Send**.

Calling Contacts

You can use IM&P to make calls with your contacts.

Calling Contacts

1. On the IM&P screen, press **[▲]** or **[▼]** to select the contact type.
   - If "Groups" is selected, select the group after selecting the contact type.
2. Press **[▲]** or **[▼]** to select the contact, and then touch **Call**.

Making Conference Calls

You can use IM&P to make conference calls.

Making Conference Calls

1. On the IM&P screen, press **[▲]** or **[▼]** to select "Conferences".
2. Press **[▲]** or **[▼]** to select the conference group, and then touch **Call**.

Customizing the Telephone

Phonebook List

Adding a New Phonebook Entry

You can add a maximum of 1,000 phonebook entries to the unit.
To make a call from the phonebook, see "Making a Call from the Phonebook List (Page 21)".

1. On the Home screen, select .
2. Touch Add.
3. Enter a name (max. 24 characters).
4. Press **[▲]** or **[▼]** to select the phone number type (❶ to ❺) or "Ringtone".
5. Do one of the following, depending on your selection in the previous step:
   If you selected a phone number type
   - Enter the phone number (max. 32 digits).

   If you selected "Ringtone"
   - Press **[ENTER]**, press **[▲]** or **[▼]** to select the desired ringtone, and then touch Set.
6. To add another phone number to the entry, repeat the procedure from step **4**.
7. Touch Save.

Note

- If you store multiple phone numbers in the entry, you can assign the preferred number to use when you call this party. In step **4**, select the desired number, and then touch Prefer.

Adding a Phonebook Entry from the Call Log

You can add new phonebook entries from the call log.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select the call log type, and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select the desired call log entry, and then touch Save.
4. Do one of the following, depending on your selection in the previous step:
   If you selected a placed call
   - Go to step **5**.

   If you did not select a placed call
   - Press **[▲]** or **[▼]** to select "Phonebook", and then press **[ENTER]**.
5. Enter a name (max. 24 characters).
6. Press **[▲]** or **[▼]** to select the phone number type (❶ to ❺) or "Ringtone".
7. Do one of the following, depending on your selection in the previous step:
   If you selected a phone number type
   - Enter the phone number (max. 32 digits).

   If you selected "Ringtone"
   - Press **[ENTER]**, press **[▲]** or **[▼]** to select the desired ringtone, and then touch Save.
8. To add another phone number to the entry, repeat the procedure from step **6**.
9. Touch Save.

Note

- If a name is stored in the call log, it is automatically entered in step **5**.
- If you store multiple phone numbers in the entry, you can assign the preferred number to use when you call this party. In step **6**, select the desired number, and then touch Prefer.

Editing a Phonebook Entry

You can edit the information stored in phonebook entries.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to display the desired entry, or touch Search and search for the desired entry (Page 37).
3. Touch Edit.
4. Press **[▲]** or **[▼]** to select the item you want to edit.
5. Edit the item as necessary.
6. Touch Save.

Note

- If you store multiple phone numbers in the entry, you can assign the preferred number to use when you call this party. In step **4**, select the desired number, and then touch Prefer.

Searching for a Phonebook Entry

You can search the phonebook for the desired entry.

1. On the Home screen, select .
2. Touch Search.
3. Enter the name you want to search for.

Deleting a Phonebook Entry

You can delete phonebook entries.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to display the desired entry, or touch Search and search for the desired entry (Page 37).
3. Touch Delete, and then touch Yes.

Export/Import Phonebook Entries

You can export the phonebook entries through the Web user interface to your computer. This makes it possible to add and edit phonebook entries using a spreadsheet application or text editor on your computer. After editing, the file should be imported into the unit.
Also, phonebook entries exported from one unit can be imported into another, which makes it easy to share phonebook entries.
For information on exporting, importing, and editing entries, consult your administrator or dealer.

Note

- If you export the phonebook, delete some entries on your computer, and then import the phonebook to the unit, the entries deleted on your computer will not be deleted from the unit's phonebook. To erase unnecessary entries, use the unit's interface and not the Web user interface.
- If you import a phonebook with more than 1,000 entries, an error message is displayed and only the first 1,000 entries in the phonebook are imported.
- Phone calls cannot be made or received while phonebook entries are being imported or exported.

Local Phonebook

The phonebook stored on the unit is referred to as Local Phonebook. If other types of phonebooks, such as LDAP phonebook, are available, use the steps below to access the local phonebook.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Local Phonebook", and then press **[ENTER]**.

LDAP Phonebook

LDAP phonebook is a phonebook linked with an LDAP server. If your unit is configured to use LDAP, you can access phonebook entries on the LDAP server. LDAP phonebook entries cannot be added, edited, or deleted from the unit. LDAP is an optional feature and may not be available. For more information, consult your administrator or dealer.

Making a Call from the LDAP Phonebook List

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "LDAP Phonebook", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select the entry.
4. Touch Call.

Searching for an LDAP Phonebook Entry

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "LDAP Phonebook", and then press **[ENTER]**.
3. Touch Search.

Enterprise Phonebook

Enterprise phonebook is a server based phonebook that can be accessed through the Services function. The Application Settings (Page 41) must be configured in order to use Enterprise phonebook. Enterprise phonebook entries cannot be added, edited, or deleted from the unit. Enterprise phonebook is an optional feature and may not be available. For information about availability and the required settings, consult your administrator or dealer.

Making a Call from the Enterprise Phonebook List

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Directories", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select the entry.

4. Touch Call.

Searching for an Enterprise Phonebook Entry

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Directories", and then press **[ENTER]**.
3. Touch Search.

User Settings

You can configure various settings to customize the behavior of the unit.
This section explains how to configure the settings using the unit.

Accessing the Settings

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select the desired setting category, and then press **[ENTER]**.
3. Configure the settings as necessary.

Available Settings

Basic Phone Settings

Menu Item	Setting	Ref.
Date and Time	Date	Page 42
	Date Template	Page 42
	Time	Page 42
	Use 12-hour Format	Page 42
Ringtone	—	Page 43
Language	—	Page 43
Brightness	—	Page 43
Hotline	Enable Hotline	Page 43
	Phone Number	Page 43
	Delay Time (0-10)	Page 43
Call Block	—	Page 44
Display Lock	—	Page 44
Key Click Tone	—	Page 44
ECO Mode	—	Page 45
Bluetooth	Enable Bluetooth	Page 45

Basic Call Features

Menu Item	Setting	Ref.
FWD/DND Setting	Do Not Disturb	Page 45
	Enable FWD All	Page 45
	FWD All Number	Page 45

Menu Item	Setting	Ref.
	Enable FWD Busy	Page 45
	FWD Busy Number	Page 45
	Enable FWD No Ans	Page 46
	FWD No Ans Number	Page 46
	FWD No Ans Ring Count	Page 46
Block Anonymous Call	—	Page 46

Information Display

Displays a variety of information about the unit. See Page 46 for more information.

Network Settings

Menu Item	Setting	Sub-Setting	Ref.
Network	IP Address Mode	—	Page 47
	IPv4	Enable DHCP	Page 47
		IP Address	Page 47
		Subnet Mask	Page 47
		Default Gateway	Page 47
		Auto DNS	Page 47
		DNS1	Page 47
		DNS2	Page 47
	IPv6	Enable IPv6 DHCP	Page 47
		Allow Auto Configuration	Page 47
		Enable IPv6 Privacy	Page 47
		IPv6 Address	Page 47
		IPv6 Prefix Length	Page 47
		IPv6 Default Gateway	Page 48
		IPv6 Auto DNS	Page 48
		IPv6 DNS1	Page 48
		IPv6 DNS2	Page 48
LLDP Settings	Enable LLDP	—	Page 48
	LLDP-MED Interval timer	—	Page 48
CDP Settings	Enable CDP	—	Page 48
	CDP Interval timer	—	Page 48

Menu Item	Setting	Sub-Setting	Ref.
VLAN Settings	Enable IP Phone VLAN	—	Page 48
	IP Phone VLAN ID	—	Page 48
	Enable PC VLAN	—	Page 48
	PC VLAN ID	—	Page 48
802.1x	Enable 802.1x	—	Page 49
	Authentication Protocol	—	Page 49
	Authentication ID	—	Page 49
	Authentication Password	—	Page 49
Speed/Duplex	LAN Port	—	Page 49
	PC Port	—	Page 49
Embedded Web	—	—	Page 49
Port Mirroring	—	—	Page 49
HTTP Authentication	User ID	—	Page 50
	Password	—	Page 50
Provisioning	Enable Provisioning	—	Page 50
	Provision Server	—	Page 50
	User ID	—	Page 50
	Password	—	Page 50
	Enable SIP PnP	—	Page 50
	DHCP Options	Enable Option 160	Page 50
		Enable Option 159	Page 50
		Enable Option 66	Page 50
	DHCPv6 Options	Enable Sub Option 1	Page 50
Multicast Paging	Paging DND	—	Page 50

Application Settings

Menu Item	Setting	Ref.
Enable Application	—	Page 50
Application Server	—	Page 50
Service URL	—	Page 51
User ID	—	Page 51
User Password	—	Page 51

Network Test

Menu Item	Setting	Ref.
IP Address	—	Page 51
IPv6 Address	—	Page 51

Reset

Menu Item	Setting	Ref.
Exclude Private Settings	—	Page 51
Exclude Network Settings	—	Page 51

Restart

The unit can be restarted as necessary. See Page 51 for more information.

Settings Details

Basic Phone Settings

Date and Time

Setting	Description	Value Range	Default
Date	Set the date.	—	2013/10/02
Date Template	Set the date format.	mm/dd dd/mm dd/mm/yyyy dd/mm/yy mm/dd/yyyy mm/dd/yy yyyy/mm/dd yy/mm/dd	mm/dd
Time	Set the time.	—	10:01
Use 12-hour Format	Set the time format to 12-hour or 24-hour time. Select "Yes" to use 12-hour time and "No" to use 24-hour time.	Yes, No	Yes

Note

- Daylight-saving time can be set through Web user interface programming. For details, consult your administrator or dealer.

Ringtone

Setting	Description	Value Range	Default
Ringtone	Select a ringtone to play when you receive a call. If multiple lines are configured on your unit, you must first select which line to use the ringtone for. You can assign a different ringtone to each line. If you select "Automatic", the ringtone assigned through Web user interface programming (Page 54) will be used. Touch Play to listen to the highlighted ringtone.	Automatic, Silence, Ringtone 1–Ringtone 9	Automatic

Note

- Ringtones can also be assigned to individual entries in the phonebook list (Page 36).

Language

Setting	Description	Value Range	Default
Language	Select the language to use for the display.	English(US)	English(US)

Brightness

Setting	Description	Value Range	Default
Brightness	Press **[▲]** or **[▼]** to adjust the brightness.	Level 1 to 14	Level 7

Hotline

Setting	Description	Value Range	Default
Enable Hotline	Enable or disable the hotline.	On, Off	Off
Phone Number	Enter the hotline phone number.	1-32 digits	—
Delay Time (0-10)	Select the delay time.	0-10	5

Call Block

Setting	Description	Value Range	Default
Call Block	Register telephone numbers so that calls received from those numbers are blocked. You can also delete registered numbers. **To register** 1. Touch Add. 2. Enter the telephone number to block, and then touch Save. **To edit** 1. Press [▲] or [▼] to select the blocked telephone number to edit. 2. Touch Edit. 3. Edit the number as necessary, and then touch Save. **To delete** 1. Press [▲] or [▼] to select the blocked telephone number to delete. 2. Touch Delete. 3. Touch Yes.	—	—

Display Lock

Setting	Description	Value Range	Default
Display Lock	Lock access to your call log and phonebook list by entering your extension PIN (Personal Identification Number).	On, Off	Off

Note

- The extension PIN can be configured through Web user interface programming. For details, consult your administrator or dealer.

Key Click Tone

Setting	Description	Value Range	Default
Key Click Tone	Select the volume of the tone that is heard in response to key presses.	High, Middle, Low, Off	High

ECO Mode

Setting	Description	Value Range	Default
ECO Mode	Enabling this mode reduces the amount of electricity consumed by the unit.	On, Off	Off

Note

- When ECO mode is enabled, the Speed/Duplex setting (Page 49) for LAN Port and PC Port changes as follows:
  - Speed/Duplex: "10M-Full"
  - PC port cannot be used.
- When the ECO mode setting is changed, the unit will restart.
- When ECO mode is enabled, is displayed in the status bar at the top of the screen.

Bluetooth

Setting	Description	Value Range	Default
Enable Bluetooth	Enable or disable Bluetooth for use with Bluetooth devices.	On, Off	Off

Basic Call Features

FWD/DND Setting

If multiple lines are available at your unit, press **[▲]** or **[▼]** to select the line to apply the settings to when you select "FWD/DND Setting" and "Block Anonymous Call".

Setting	Sub-Setting	Description	Value Range	Default
FWD/DND Setting	Do Not Disturb	Enable DND (Do Not Disturb) to reject all incoming calls.	On, Off	Off
	Enable FWD All	Enable or disable forwarding of all incoming calls to a specified destination.	On, Off	Off
	FWD All Number	Specify the number to forward calls to when "Enable FWD All" is enabled.	1-32 digits	—
	Enable FWD Busy	Enable or disable forwarding of incoming calls to a specified destination when you are on a call.	On, Off	Off
	FWD Busy Number	Specify the number to forward calls to when "Enable FWD Busy" is enabled.	1-32 digits	—

Setting	Sub-Setting	Description	Value Range	Default
	Enable FWD No Ans	Enable or disable forwarding of incoming calls to a specified destination if you do not answer after a specified number of rings.	On, Off	Off
	FWD No Ans Number	Specify the number to forward calls to when "Enable FWD No Ans" is enabled.	1-32 digits	—
	FWD No Ans Ring Count	Specify the number of times the unit will ring before forwarding the call.	0, 2-20	3
Block Anonymous Call	—	Enable or disable blocking of all anonymous calls.	On, Off	Off

Information Display

Setting	Description	Value Range	Default
Information Display	View a variety of information about the unit. Press **[▲]** and **[▼]** to display the various settings. The following settings can be viewed: • Firmware Version • KEM 1 Firmware version (if an optional KX-UTA336 is installed)[*1] • KEM 2 Firmware version (if a second optional KX-UT336 is installed)[*1] • MAC Address • Line status • IP Address • Subnet Mask • Default Gateway • DNS1 • DNS2 • IPv6 Address • IPv6 Prefix Length • IPv6 Default Gateway • IPv6 DNS1 • IPv6 DNS2 • IP Phone VLAN ID • PC VLAN ID • IEEE802.1X Status • Display Lock	—	—

[*1] "KEM" refers to the KX-UTA336 Add-on Key Module in this manual.

Network Settings

IMPORTANT

We recommend configuring these settings with your administrator or dealer. Network settings can also be configured through Web user interface programming (Page 54). Contact your administrator or dealer for further information.

Network

Setting	Sub-Setting	Description	Value Range	Default
IP Address Mode	—	Specify the IP address mode to use.	IPv4 only IPv6 only Dual stack	Dual stack
IPv4	Enable DHCP	Enable or disable DHCP for IPv4.	Yes, No	Yes
	IP Address	If DHCP is not enabled, you must specify the IP address.	xxx.xxx.xxx.xxx	—
	Subnet Mask	If DHCP is not enabled, you must specify the subnet mask.	xxx.xxx.xxx.xxx	—
	Default Gateway	If DHCP is not enabled, you must specify the default gateway.	xxx.xxx.xxx.xxx	—
	Auto DNS	Enable or disable Auto DNS for IPv4.	Yes, No	Yes
	DNS1	If Auto DNS is not enabled, you can specify the primary DNS server IP address.	xxx.xxx.xxx.xxx	—
	DNS2	If Auto DNS is not enabled, you can specify the secondary DNS server IP address. Leave blank if a secondary DNS server is not used.	xxx.xxx.xxx.xxx	—
IPv6	Enable IPv6 DHCP	Enable or disable DHCP for IPv6.	Yes, No	Yes
	Allow Auto Configuration	Enable or disable auto configuration for IPv6.	Yes, No	Yes
	Enable IPv6 Privacy	Enable or disable privacy for IPv6.	Yes, No	No
	IPv6 Address	If DHCP is not enabled, you must specify the IP address.	1-46 characters	—
	IPv6 Prefix Length	If DHCP is not enabled, you must specify the prefix length.	1-128	—

Setting	Sub-Setting	Description	Value Range	Default
	IPv6 Default Gateway	If DHCP is not enabled, you must specify the default gateway.	1-46 characters	—
	IPv6 Auto DNS	Enable or disable Auto DNS for IPv6.	Yes, No	Yes
	IPv6 DNS1	If IPv6 Auto DNS is not enabled, you can specify the primary DNS server IP address.	1-46 characters	—
	IPv6 DNS2	If IPv6 Auto DNS is not enabled, you can specify the secondary DNS server IP address. Leave blank if a secondary DNS server is not used.	1-46 characters	—

LLDP Settings

Setting	Description	Value Range	Default
Enable LLDP	Enable or disable LLDP*1.	Yes, No	No
LLDP-MED Interval timer	Specify the LLDP-MED*1 interval timer.	5-3600 seconds	30

*1 LLDP: Link Layer Discovery Protocol, MED: Media Endpoint Discovery

CDP Settings

Setting	Description	Value Range	Default
Enable CDP	Enable or disable CDP.	Yes, No	No
CDP Interval timer	Specify the CDP interval timer.	5-3600 seconds	30

VLAN Settings

Setting	Description	Value Range	Default
Enable IP Phone VLAN	Enable or disable VLAN (Virtual LAN) settings.	Yes, No	No
IP Phone VLAN ID	Specify the VLAN ID.	NULL, 0-4094	2
Enable PC VLAN	Enable or disable PC over a VLAN (Virtual LAN).	Yes, No	No
PC VLAN ID	Specify the PC VLAN ID.	NULL, 0-4094	1

802.1x

Setting	Description	Value Range	Default
Enable 802.1x	Enable or disable 802.1x.	Yes, No	No
Authentication Protocol	Select the authentication protocol.	EAP-MD5 EAP-TLS EAP-FAST EAP-PEAP-GTC EAP-PEAP-MSCHAPv2 EAP-TTLS-GTC EAP-TTLS-MSCHAPv2	EAP-MD5
Authentication ID	Enter the authentication ID.	1-127 characters	—
Authentication Password	Enter the authentication password.	1-127 characters	—

Speed/Duplex

Select the connection mode (combination of link speed and duplex mode) of the LAN port and PC port.

Setting	Description	Value Range	Default
LAN Port	Select the connection mode of the LAN port.	Auto 10M-Half 10M-Full 100M-Half 100M-Full 1000M-Full	Auto
PC Port	Select the connection mode of the PC port.	Auto 10M-Half 10M-Full 100M-Half 100M-Full 1000M-Full	Auto

Embedded Web

Setting	Description	Value Range	Default
Embedded Web	Enable or disable Web User Interface Programming.	On, Off	Off

Port Mirroring

Setting	Description	Value Range	Default
Port Mirroring	Enable or disable port mirroring.	On, Off	Off

HTTP Authentication

Setting	Description	Value Range	Default
User ID	Enter the authentication ID.	1-127 characters	—
Password	Enter the authentication password.	1-127 characters	—

Provisioning

Setting	Sub-Setting	Description	Value Range	Default
Enable Provisioning	—	Enable or disable provisioning.	Yes, No	Yes
Provision Server	—	Enter the provisioning server's URL.	1-1024 characters	—
User ID	—	Enter the provisioning ID.	1-127 characters	—
Password	—	Enter the provisioning password.	1-127 characters	—
Enable SIP PnP	—	Enable or disable SIP PnP.	Yes, No	Yes
DHCP Options	Enable Option 160	Enable or disable DHCP Option 160.	Yes, No	Yes
	Enable Option 159	Enable or disable DHCP Option 159.	Yes, No	Yes
	Enable Option 66	Enable or disable DHCP Option 66.	Yes, No	Yes
DHCPv6 Options	Enable Sub Option 1	Enable or disable Sub Option 1.	Yes, No	Yes

Multicast Paging

Setting	Description	Value Range	Default
Paging DND	Enable or disable paging DND.	On, Off	Off

Application Settings

Setting	Description	Value Range	Default
Enable Application	Enable or disable application settings.	Yes, No	No
Application Server	Select the type of application server.	Broadsoft Switchvox	Broadsoft

Setting	Description	Value Range	Default
Service URL	Enter the service URL.	1-128 characters	—
User ID	Enter the user ID.	1-64 characters	—
User Password	Enter the user password.	1-64 characters	—

Network Test

Confirm whether other network devices (e.g., SIP server, routers, switching hubs) respond to network requests. If a device does not respond, first check the unit's network settings, and then check the device's network settings and connection.

Setting	Description	Value Range	Default
IP Address	Enter the IPv4 address of the device to which you want to test the connection, and then touch Ping.	xxx.xxx.xxx.xxx	—
IPv6 Address	Enter the IPv6 address of the device to which you want to test the connection, and then touch Ping.	1-46 characters	—

Reset

Setting	Description	Value Range	Default
Exclude Private Settings	Reset all settings excluding private settings (Page 69). Private settings include ringtone volume, brightness, phonebook, and call history.	—	—
Exclude Network Settings	Reset all settings excluding network settings (Page 69). Private settings and Bluetooth settings are also reset when Exclude Network Settings is executed.	—	—

Restart

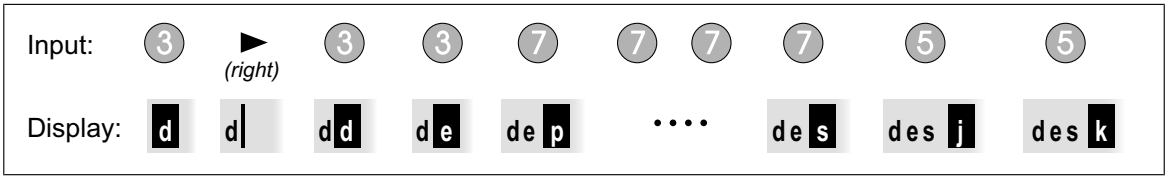
Setting	Description	Value Range	Default
Restart	Restart the unit (Page 69).	—	—

Entering Characters

The dial keys are used to enter characters and numbers. Each dial key has multiple characters assigned to it. (For example, a, b and c are assigned to the 1 key.)
To enter a character, press the corresponding dial key until the character you want appears. To enter another character that is assigned to the same key, first press [►] to move the cursor to the right.

Example

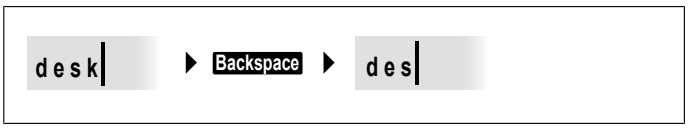
To enter "desk", press the keys as follows:



For details about the characters assigned to each key, see "Character Table (Page 52)".

Deleting characters

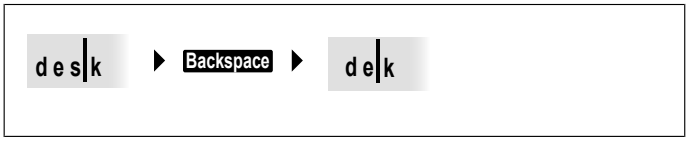
Touch Backspace to delete the last character entered.



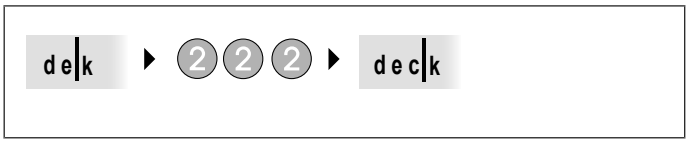
Modifying entered text

Use **[◄]** and **[►]** to move the cursor to where you want to modify the text. Then, modify the text as follows:

- Touch Backspace to delete the character to the left of the cursor.



- Press a dial key to insert a character at the cursor's location.



Note

- Depending on the type of information you are entering, you cannot enter certain characters. For example, when you are entering a phone number, only numeric characters can be entered.

Character Table

Button	Characters
①	/ . @ 1 : ; = ? - _ & %
②	a b c 2 A B C
③	d e f 3 D E F

Button	Characters
4	g h i 4 G H I
5	j k l 5 J K L
6	m n o 6 M N O
7	p q r s 7 P Q R S
8	t u v 8 T U V
9	w x y z 9 W X Y Z
0	<Space> 0 , ! ^ ’ " |
*	+ * ~ ‘ < >
#	# $ \ ( ) { } [ ]

Web User Interface Programming

The unit provides a Web-based interface for configuring various settings and features, including some that are not programmable directly from the unit. The following list contains some useful features that are programmable through the Web user interface.
For details, consult your administrator or dealer.

- Basic network settings[*1] (Page 40)
- User password (for access to Web user interface)
- HTTP authentication settings
- Date and time settings[*1] (Page 42)
- Default outgoing line
- Call rejection phone numbers[*1] (Page 44)
- Block caller ID
- Block anonymous calls
- Do Not Disturb[*1] (Page 45)
- Call forward[*1] (Page 45)
- Flexible button settings (Page 30) (One-Touch, BLF, etc.)
- Key click tone
- Extension PIN
- Phonebook import and export (Page 37)

[*1] These settings can also be configured directly through the unit.

Notice

- Each time you want to access the Web user interface, you must enable Web programming (Page 49).
- Available settings depend on the user level and configuration file settings used.

Installation and Setup

Notice

- Panasonic assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with this documentation.

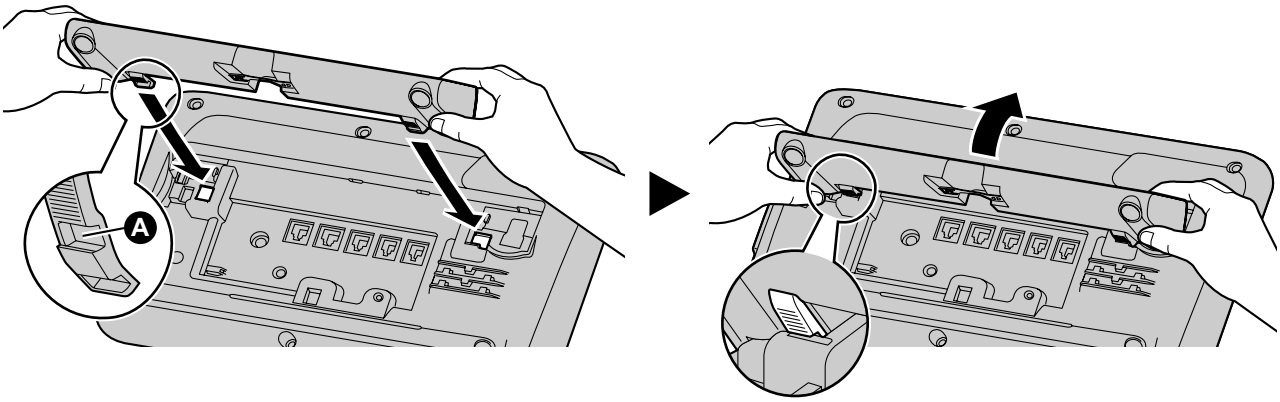
Attaching/Removing the Stand

Attaching the Stand

Notice

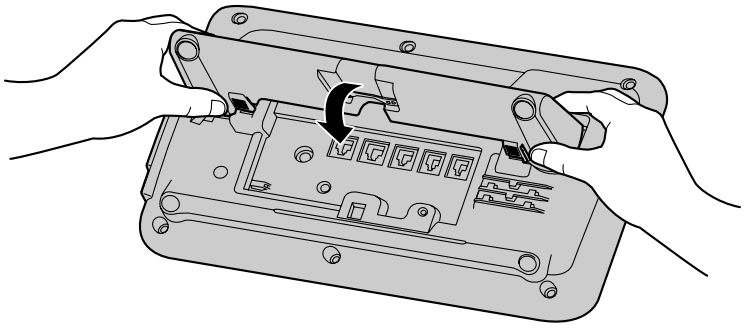
- If you place the display face down when you attach the stand, be sure to place a soft cloth under the display. Failure to do so may result in damage to the display.

1. Insert the catches (Ⓐ) of the stand into hooks located in the unit.
2. Gently push the stand in the direction indicated until it locks into place.
   The stand will be mounted in the high position.

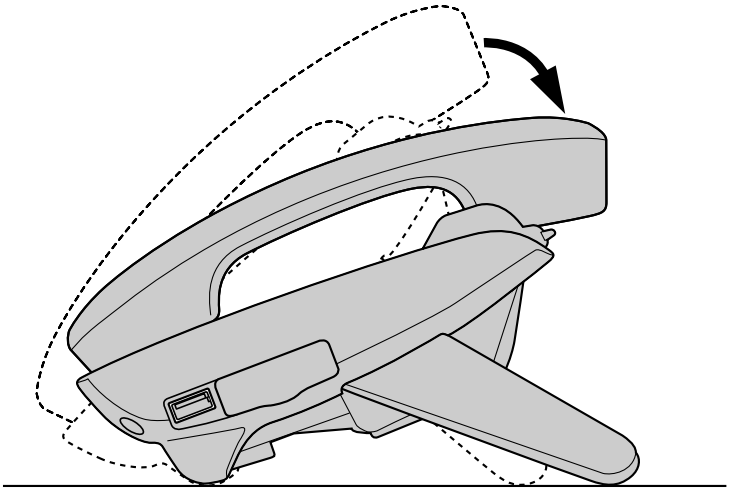


Removing the Stand

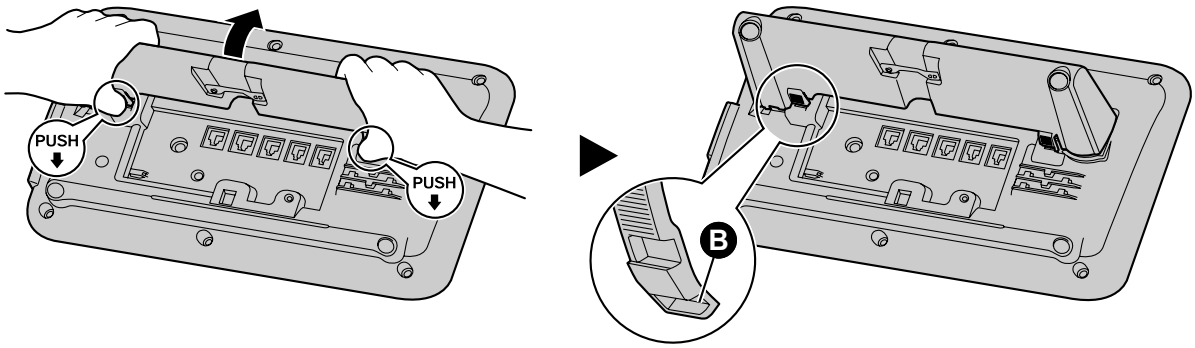
1. Hold the stand with both hands.
2. Gently rotate the stand in the direction indicated until it is released.



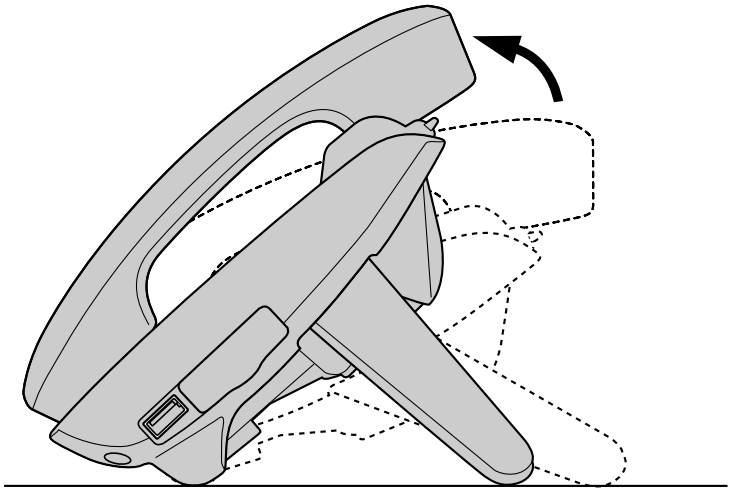
Adjusting from High to Low Position



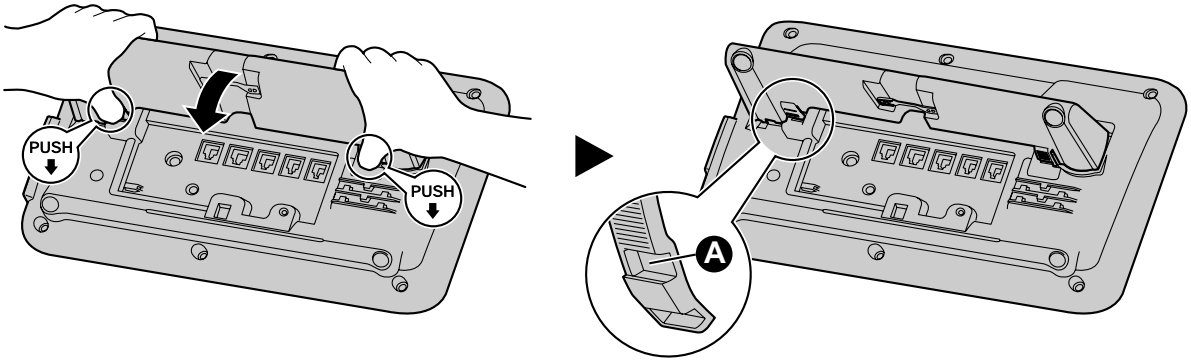
1. Tilt the stand in the direction indicated while pushing the PUSH mark with both hands as shown until it locks into the low position (Ⓑ).



Adjusting from Low to High Position



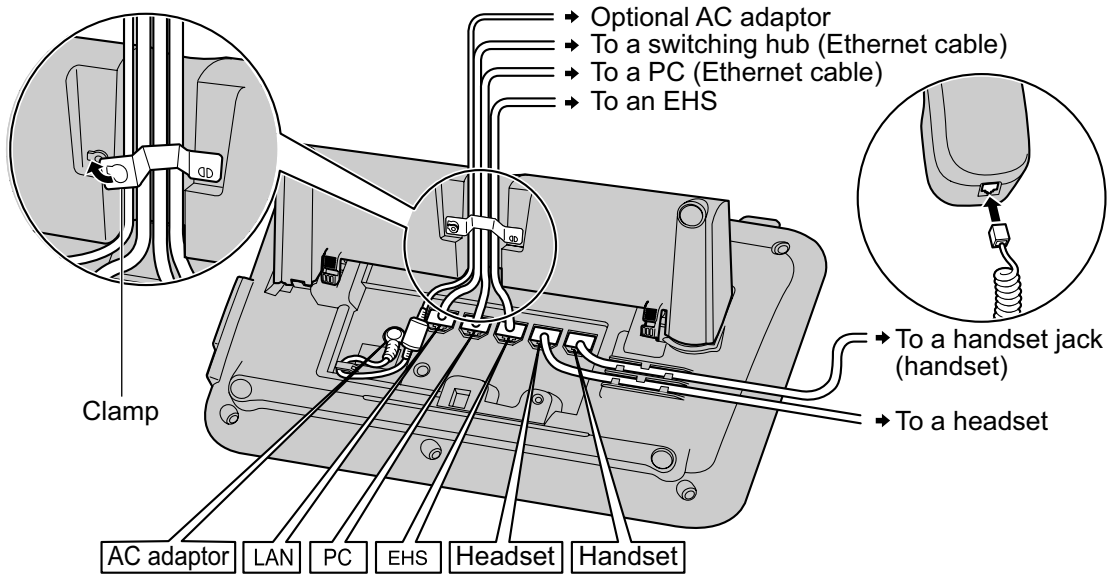
1. Tilt the stand in the direction indicated while pushing the PUSH mark with both hands as shown until it locks into the high position (Ⓐ).



Connections

This section explains the ports and connectors on the unit.

Connections for AC Adaptor/LAN/PC



CAUTION

Optional AC Adaptor

- Use the following AC adaptor:
  - DSA-42D-48 2 480063 (P/N: 381.00398.005)
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the unit and is easily accessible.

When connecting a headset

- Ensure that the headset cord has slack and is not pulled tight during use to prevent damage to the connectors.
- Cords used to connect devices to the EHS jack or headset jack must be less than 3 m (9.8 ft) in length.

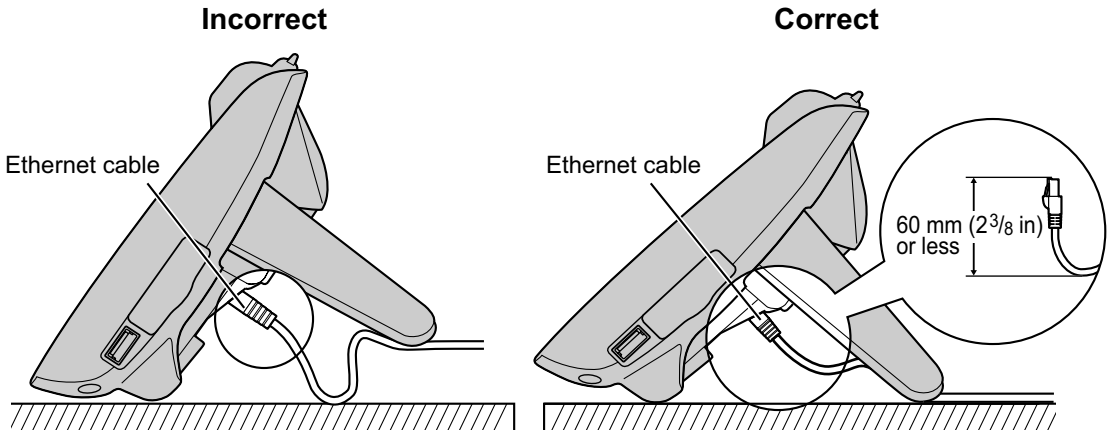
Notice

- The following headsets can be used with this unit. (Not all operations with the headsets can be guaranteed.)
  - EHS headsets/USB headsets
    Selected Plantronics®-brand headsets
    Selected Jabra®-brand headsets
  - Bluetooth headsets

  For up-to-date information about headsets that have been tested with this unit, refer to the following web site:
  http://www.panasonic.com/sip

When connecting the Ethernet cable

- Connect the cables as shown in the following illustration.



- Use the included Ethernet cable.

When connecting to a switching hub

- If PoE is available, an AC adaptor is not needed. An AC adaptor must be used when the KX-UTA336 Add-on key module is installed to the unit.
- This unit complies with the PoE Class 2 standard.

When connecting a PC

- Only a PC can be connected to the PC port. Other SIP phones, or network devices such as routers or switching hubs, cannot be connected.
- The PC port does not support PoE for connected devices.

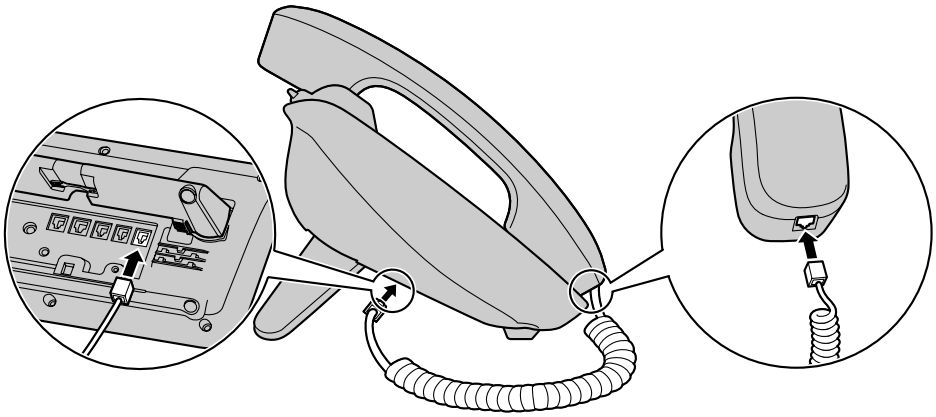
When connecting cables and the AC adaptor

- Ensure that the Ethernet cables and the AC adaptor cord are clamped to prevent damage to the connectors.

When registering a Bluetooth headset

- One Bluetooth headset can be registered to this unit. For details, see "Connecting the Bluetooth headset (Page 68)".

Connections for Handset



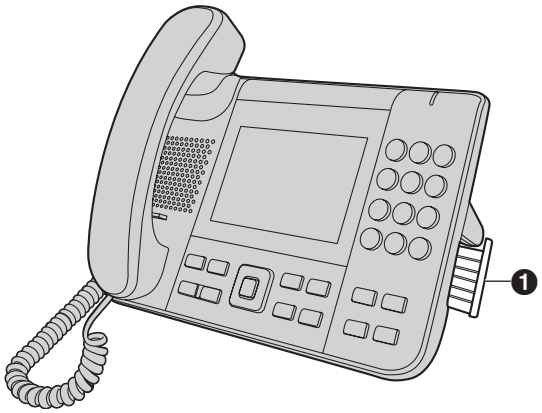
Installing the KX-UTA336

The optional KX-UTA336 allows 36 additional flexible buttons (3 pages of 12) to be used with the unit. These flexible buttons are used to make calls or receive calls, or perform a feature that has been assigned to the button. Flexible buttons for the KX-UTA336 are configured and used in the same way as flexible buttons for the unit. See Page 30 for more information. A maximum of 2 KX-UTA336 Add-on key modules can be connected to the unit.

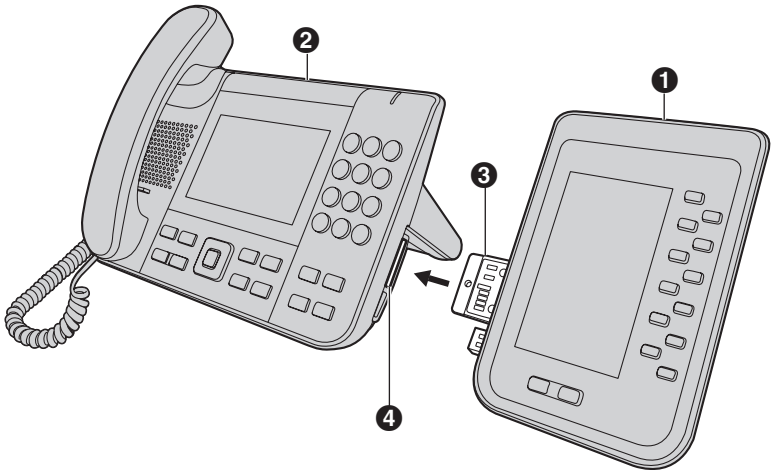
Notice

- An AC adaptor must be used to supply power when the KX-UTA336 Add-on key module is installed to the unit.

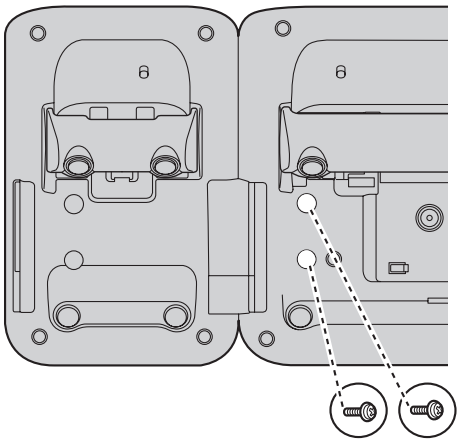
1. Remove any devices or cords connected to the USB port.
2. Remove the Add-on key module slot cover (❶).



3. Connect the KX-UTA336 (❶) to the unit (❷) by inserting the connector (❸) into the Add-on key module slot (❹).



4. Secure the KX-UTA336 to the KX-UTG300 by inserting the 2 screws supplied with the KX-UTA336 into the rear of the KX-UTG300.



Wall Mounting

Before Mounting on a Wall

To mount the unit, it is necessary to remove the stand. For details, see "Removing the Stand (Page 55)".

Mounting the Unit

WARNING

- Do not mount the unit in a manner other than that described in this section.
- Make sure that the wall that the unit will be attached to is strong enough to support the unit. If not, it is necessary for the wall to be reinforced. For information about the weight of the unit, see "Specifications (Page 86)".
- Only use the optional wall mount kit with the unit. The wall mount kit includes the necessary screws, washers, and wall mounting adaptor.
- When driving the screws into the wall, be careful to avoid touching any metal laths, wire laths, or metal plates in the wall.
- When this unit is no longer in use, make sure to detach it from the wall.

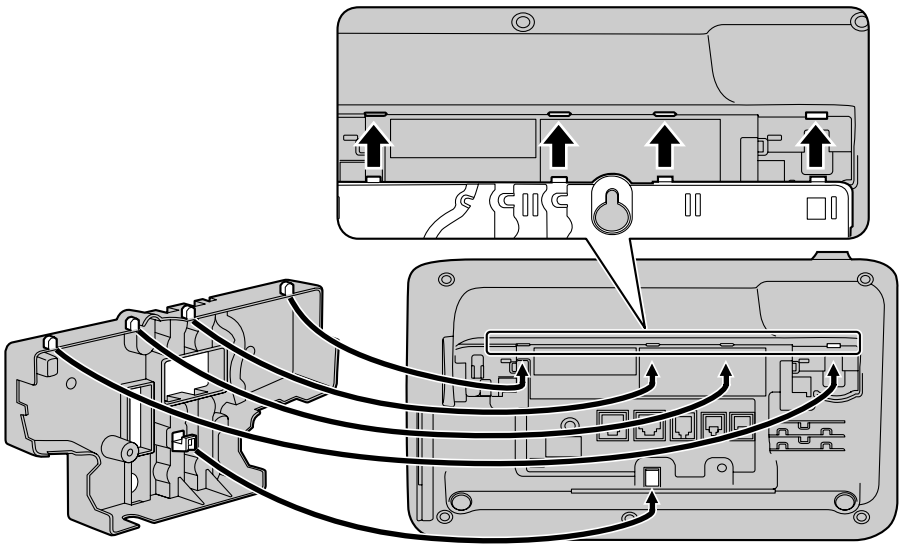
CAUTION

- Make sure the cables are securely fastened to the wall.

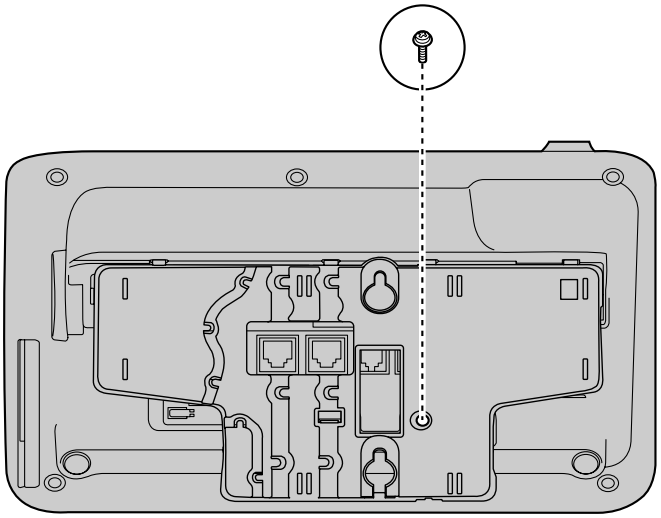
Notice

- If you place the display face down when you attach the wall mounting adaptor, be sure to place a soft cloth under the display before attaching the adaptor. Failure to do so may result in damage to the display.

1. Insert the 5 tabs of the wall mounting adaptor into the designated openings in the base, and then slide the wall mounting adaptor in the direction of the arrow until it clicks.



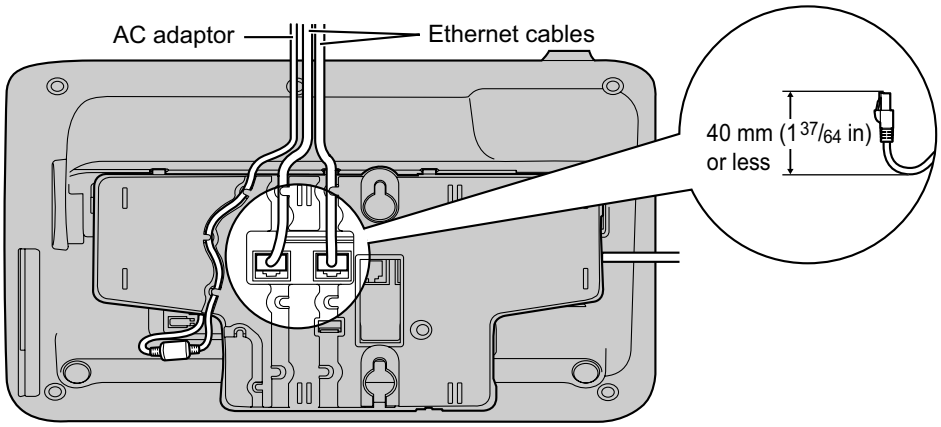
2. Fasten the wall mounting adaptor to the base with 1 screw. (Recommended torque: 0.4 N·m [4.08 kgf·cm/3.54 lbf·in] to 0.6 N·m [6.12 kgf·cm/5.31 lbf·in])



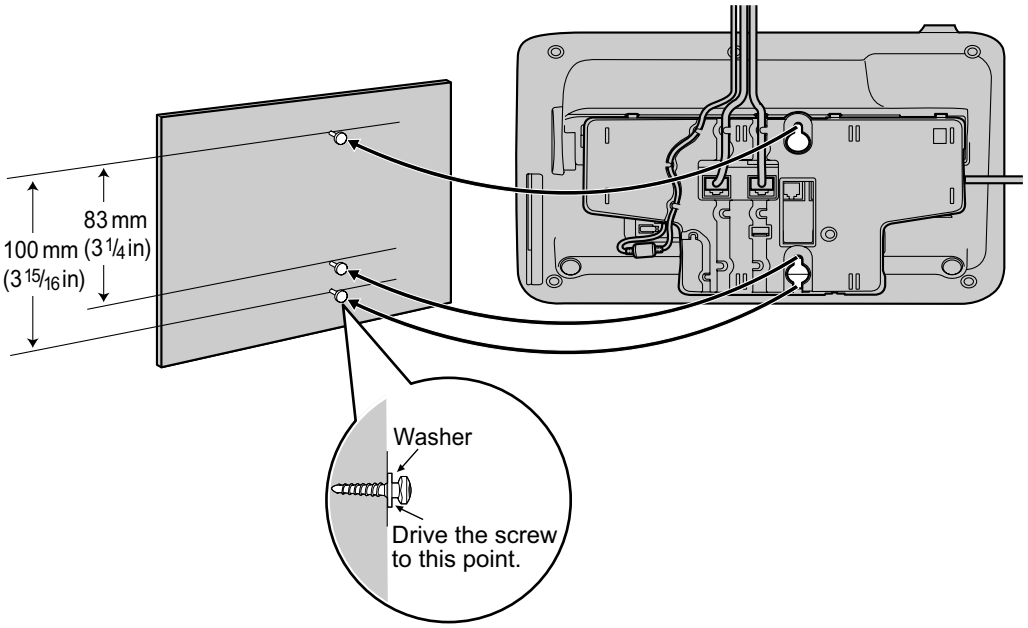
3. Connect the cables to the unit, and run the cables through the wall mounting adaptor, as shown in the illustration below.
For details about connecting the cables, see "Connections (Page 58)".

Note

- The cables can also be run from the bottom of the unit.



4. Drive the 2 screws into the wall either 83 mm (3 1/4 in) or 100 mm (3 15/16 in) apart, and mount the unit on the wall.



Note

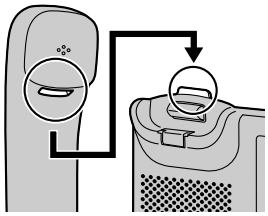
- You can find a wall mounting template at the end of this manual.
- For information about locking the handset, see "Hooking the Handset (Page 66)".

Hooking the Handset

You can hook the handset with the following operations.

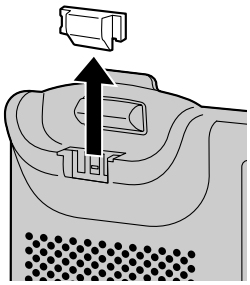
To Hook the Handset During a Conversation

1. Hook the handset over the top edge of the unit.

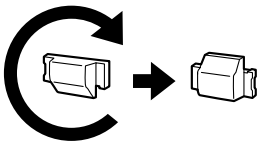


To Lock the Handset Hook when the Unit is Wall Mounted

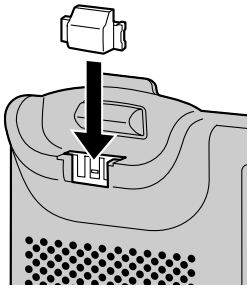
1. Remove the handset hook from the slot.



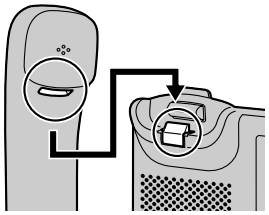
2. Turn it upside-down.



3. Slide the handset hook back into the slot until it locks.



4. Handset is safely hooked when it is in the cradle.



Using a Headset

If a headset is connected, you must enable Headset mode by pressing **[HEADSET]**.

Note

- The Headset button light shows the current status as follows:
  Off: Headset mode off
  Red: Headset mode on

For a Bluetooth Headset User

A Bluetooth headset can be used with the unit. Before using the Bluetooth headset, you must enable Bluetooth and connect the headset.

Connecting the Bluetooth headset

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Basic Phone Settings", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "Bluetooth", and then press **[ENTER]**.
4. Press **[▲]** or **[▼]** to select "Enable Bluetooth", and then touch On.
5. Touch Scan.
6. A list of available Bluetooth devices is displayed. Press **[▲]** or **[▼]** to select the desired Bluetooth headset, and then touch Connect.

Note

- is displayed in the Status bar when Bluetooth is enabled.
- is displayed in the Status bar when Bluetooth is enabled and a Bluetooth device is connected.

Receiving a call with the Bluetooth headset

1. Press **[HEADSET]**.
2. To end the call, press **[HEADSET]** again.

Disconnecting the Bluetooth headset

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Basic Phone Settings", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "Bluetooth", and then press **[ENTER]**.
4. Press **[▲]** or **[▼]** to select the Bluetooth headset, and then touch Disconnect.

Deleting the Bluetooth headset

Delete the Bluetooth headsets that are no longer used from the unit.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Basic Phone Settings", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "Bluetooth", and then press **[ENTER]**.
4. Press **[▲]** or **[▼]** to select the Bluetooth headset, touch Delete, and then touch Yes.

Switching from your Bluetooth headset to the handset during a call

1. Lift the handset off of its cradle.

Operating Distance

Please keep units containing Bluetooth modules 3 m or more apart from each other. Also, if a Bluetooth headset is in use near a telephone containing a Bluetooth module other than the one it is registered to, noise may be heard. To improve the signal, move away from the telephone and closer to the one it is registered to.

Noise

Signals are transmitted between the unit and the Bluetooth headset using radio waves. For maximum distance and noise free operation, it is recommended that the unit is situated away from electrical appliances such as faxes, radios, personal computers, or microwaves.

- Systems using the 2.4 GHz ISM (Industrial, Scientific and Medical) band may interfere with this product. Examples of such systems are cordless telephones, wireless LAN, Home RF, microwave ovens and other ISM devices. These systems may cause minor noise.

Notice

Operation is subject to the following two conditions:

1. this unit may not cause interference, and
2. this unit must accept any interference, including interference that may cause undesired operation of the unit. Privacy of communications may not be ensured when using the unit.

USB Devices

USB devices, including USB headsets and hubs, can be connected to the USB port on the right side of the unit (Page 13). If the KX-UTA336 is installed to the unit,

USB devices can be connected to the KX-UTA336 (Page 61).

USB Headsets

USB headsets can be used with the unit. See Page 58 for information on supported headsets.

Note

- Only 1 USB headset can be connected to the unit at a time.

USB Hubs

A USB hub can be connected to the unit in order to expand the number of devices that can be connected to the unit. All supported USB devices can be connected to the unit through a USB hub.

Note

- Only 1 USB hub can be connected to the unit.
- Depending on the number and type of devices connected to a USB hub, an AC adaptor may have to be connected to the USB hub in order to power the connected devices.

Setting Up the Unit

The user settings can be used to setup the unit by configuring the settings as required. See Page 39 for information about the settings.

Maintaining the Unit

Resetting the Unit

Resetting all settings except for private settings

Executing "Exclude Private Settings" resets all settings except for private settings. Private settings include ringtone volume, brightness, phonebook, and call history.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Reset", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "Exclude Private Settings", and then press **[ENTER]**.
4. Touch **Yes**.
   - To cancel, touch **No**.

Resetting all settings except for network settings

Executing "Reset Excluding Network Settings" resets all settings except for network settings. Private settings and Bluetooth settings are reset in this case. Network settings include IPv4, IPv6, LLDP Settings, CDP Settings, VLAN Settings, Speed/Duplex, and Port Mirroring.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Reset", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "Reset Excluding Network Settings", and then press **[ENTER]**.
4. Touch **Yes**.
   - To cancel, touch **No**.

Restarting the Unit

When some of the settings on the unit have been changed via Web user interface programming or configuration file programming, the unit must be restarted.

1. On the Home screen, select .
2. Press **[▲]** or **[▼]** to select "Restart", and then press **[ENTER]**.
3. Touch **Yes**.
   - To cancel, touch **No**.

Cleaning the Unit

Clean the unit periodically by wiping it with a soft and dry cloth.

When cleaning the unit, observe the following precautions.

When cleaning the display

- Wipe the display with only the following types of materials:
  - A soft and dry cloth.
  - A soft cloth with a very small quantity of neutral detergent or ethyl alcohol.
- Do not press or rub the display with too much force.

When cleaning the body

- To avoid damaging the unit, disconnect the Ethernet cable and all other cables from the unit before cleaning. If the unit is powered with an AC adaptor, disconnect the AC adaptor from the unit and power outlet before cleaning.
- If the unit becomes particularly dirty, apply a light kitchen cleanser to a soft cloth, wring the cloth thoroughly, and then wipe the unit. When finished, dry the unit with a soft and dry cloth.
- To avoid damage or discoloration, do not clean the unit with any of the following materials or with cleaners that contain any of the following materials:
  - Petroleum
  - Scouring powder
  - Alcohol
  - Paint thinner
  - Benzene
  - Wax
  - Hot water
  - Powdered soap
- When using chemical cleansers, follow the instructions on the label carefully.

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  incompatible with the protocol description in the RFC file, it must be
  called by a name other than "ssh" or "Secure Shell". "

=====

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loginrec.h
atomicio.h
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and strlcat() (included in util.c) are from OpenSSH 3.6.1p2, and are licensed
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 *
 * curve25519-donna: Curve25519 elliptic curve, public key function
 *
 * http://code.google.com/p/curve25519-donna/
 *
 * Adam Langley <agl@imperialviolet.org>
 *
 * Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>
 *
 * More information about curve25519 can be found here
 *   http://cr.yp.to/ecdh.html
 *
 * djb's sample implementation of curve25519 is written in a special assembly
 * language called qhasm and uses the floating point registers.
 *
 * This is, almost, a clean room reimplementation from the curve25519 paper. It
```

```
 * uses many of the tricks described therein. Only the crecip function is taken
 * from the sample implementation.
 */
```

<<curl-7.31.0>>

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<<openssl-0.9.8x>>

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Appendix

Specifications

Item	Specifications
LCD Display	Color, WVGA
LCD Size	5.0 inch
LCD Brightness	14 levels
Flexible Buttons	24 (Three pages of eight flexible buttons are shown on the display)
VoIP Connection Method	SIP
VoIP Audio Codec	G.711A, G.711U, G.729AB, G.722, G.726
Ethernet Interface	10Base-T/100Base-TX/1000Base-T
IP Address Mode	Dual stack, IPv4 only, IPv6 only
Speaker	1
Microphone	1
Ethernet Port (LAN)	2 (RJ45)
USB Port	1 (USB 2.0 Host)
Headset Jack	1 (RJ9)
EHS Jack	1 (RJ11)
Bluetooth	1 (Bluetooth wireless technology 2.0)
Dimensions (Width × Depth × Height; handset on cradle, stand attached)	"High" position: 267 mm × 170 mm × 180 mm (10.5 in × 6.69 in × 7.09 in) "Low" position: 267 mm × 187 mm × 155 mm (10.5 in × 7.36 in × 6.10 in)
Weight (with handset, handset cord and stand)	1130 g (2.49 lb)
PoE	IEEE 802.3af Class 2 standard compliant
Power Consumption	PoE Stand-by: approx. 3.31 W Talking: approx. 3.65 W AC Adaptor Stand-by: approx. 3.26 W Talking: approx. 3.6 W
Maximum Power Consumption	6.3 W

Item	Specifications
Operating Environment	0 °C to 40 °C (32 °F to 104 °F)

Troubleshooting

Common Issues and Solutions

General Use

Issue	Possible Cause & Solution	Reference
The display is blank.	• The unit is not receiving power. → The unit is not designed to function when there is a power failure. Make sure that the device supplying PoE is receiving power and that the Ethernet cable is properly connected. If an AC adaptor is connected, confirm that the AC adaptor is connected and receiving power.	Page 58
The display is not shown well.	• The display's brightness is too low. → Adjust the display's brightness.	Page 43
The unit is not performing properly.	• Cables or cords are not connected properly. → Check all connections.	Page 58
	• Your connection settings are incorrect. → Consult your administrator to confirm that your settings are correct. → If the problem persists, consult your dealer.	Page 39
	• An error has occurred. → Restart the unit.	Page 69
is displayed on the screen.	• Registration to the SIP server has been lost. → Consult your administrator or dealer.	—
I cannot hear a dial tone.	• Confirm that the LAN cable is properly connected.	Page 58
I cannot cancel the display lock.	• The PIN number you entered was incorrect. → Consult your administrator or dealer.	—
I forgot my PIN number.	• Consult your administrator or dealer.	—
The date and time are not correct.	• Adjust the date and time of the unit.	Page 42
The Message/Ringer lamp is lit.	• You received a voice message while you were on the phone or away from your desk. → Check the voice message.	Page 28

Making and Receiving Calls

Issue	Possible Cause & Solution	Reference
I cannot make calls.	• Your phone system/service has disabled service for your unit. → On the **Information Display** screen (Page 40), if "Not registered" is displayed for the lines registered to your phone, consult your administrator or dealer.	—
	• The phone number was entered incorrectly. → Confirm that you have entered the phone number of the other party correctly. → Consult your administrator or dealer.	Page 21
	• The unit is downloading a firmware update. → You cannot make calls while the unit is downloading updates. Wait for the update to finish, and then try making a call.	—
	• The phonebook list is being imported or exported. → Wait a few minutes for the operation to complete. → Confirm with your administrator or dealer.	—
I cannot make long distance calls.	• Your telephone service does not allow you to make long distance calls. → Make sure that you have subscribed to your telephone company's long distance service.	—
The unit does not ring when a call is received.	• The ringer volume is turned off. → Press **[+]** on the VOLUME key.	Page 20
While talking to an outside party, the line is disconnected.	• Your phone system/service may impose a time limit on outside calls. → Consult your dealer to extend the time limit, if necessary.	—

Sound Quality

Issue	Possible Cause & Solution	Reference
The other party cannot hear my voice.	• The unit is muted. → Press **[MUTE]** to turn off the mute feature.	Page 27
	• If you are using the speakerphone, objects may be obstructing the microphone. → Do not obstruct the unit's microphone during calls. Keep your hands, as well as common objects such as folders, cups, and coffee pots away from the unit during calls.	—

Issue	Possible Cause & Solution	Reference
Sound cuts out; I can hear myself through the speaker.	• You are too far away from the microphone. → Try speaking closer to the microphone.	—
	• The environment is not suited to speakerphone calls. → Do not use the unit within 2 m (6.6 ft) of projectors, air conditioning devices, fans, or other audible or electrical noise emitting devices. → If using the unit in a room with windows, close the curtains or blinds to prevent echoes. → Use the unit in a quiet environment.	—
	• The unit was moved during a call. → Do not move the unit while on a call.	—
	• Objects are obstructing the microphone. → Do not obstruct the unit during calls. Keep your hands, as well as common objects such as folders, cups, and coffee pots away from the unit during calls.	—
	• The other party is using a half-duplex speakerphone. → If the other party is using a half-duplex speakerphone, sound may cut out occasionally during calls. For best performance, the other party should use a full-duplex speakerphone.	—
	• Just after a call begins, the unit may not have yet adjusted itself to the call's environment. → Just after a call begins, take turns with the other party talking to each other. The unit will adjust itself in accordance with the call environment so that both you and the other party can hear each other as clearly as possible.	—

Phonebook List

Issue	Possible Cause & Solution	Reference
I cannot add or edit entries to the phonebook list.	• The phonebook list is full. → Delete any unnecessary entries. The maximum number of entries in the phonebook list is 1,000.	Page 36

Bluetooth Headset

Issue	Possible Cause & Solution	Reference
I cannot have a conversation using the Bluetooth headset.	• Make sure that the headset is properly registered to the unit. • Make sure that the headset is properly charged by following the instructions in the headset's documentation.	—

USB Devices

Issue	Possible Cause & Solution	Reference
The USB device I connected does not work.	• You connected a USB device that this unit does not support. → Consult your administrator or dealer for information on supported devices. • The maximum number of connected devices has been exceeded. → Only 1 USB headset and 1 USB hub can be connected to the unit at a time.	—

Error Messages

During operation, error messages might appear on the unit. The following table lists these messages and possible causes and solutions.

Message	Possible Cause & Solution	Reference
IP Address, Subnet Mask and Default Gateway are not matched.	• The unit's network settings are incorrect. → Consult your system administrator or dealer.	—
Default Gateway is not matched with the IP Address and Subnet Mask		
IP Address: Invalid Value		
Maximum save count limit reached.	• A new entry for the phonebook or call block list cannot be stored because the phonebook or call block list is full. → Erase unneeded entries.	Page 37

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WALL MOUNTING TEMPLATE

1. Drive the screws into the wall as indicated.
2. Hook the unit onto the screw heads.

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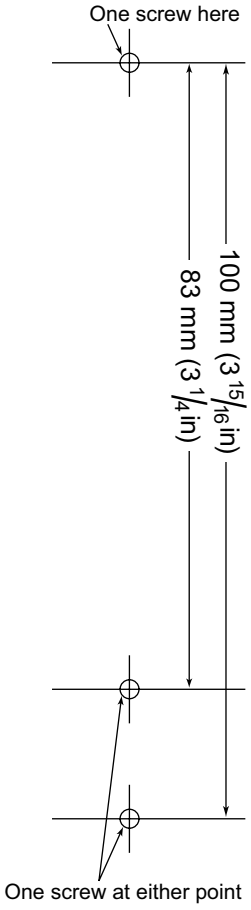

Notes

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