

Operating Instructions

HD-Phone Sarnen



Thank you for purchasing this product.

Please read this manual carefully before using this product and save this manual for future use.

Note

- The illustrations such as some keys may differ from the appearance of the actual product.
- Features described in this document may not be available. Contact your phone system dealer/service provider.
- The contents and design of the software are subject to change without notice.

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Important Information

Data Security

- To avoid unauthorized access to this product:
 - Keep the password secret.
 - Change the default password.
 - Set a password that is random and cannot be easily guessed.
 - Change the password regularly.
- This product can store your private/confidential information. To protect your privacy/confidentiality, we recommend that you erase the information such as the phonebook or call log from the memory before you dispose of, transfer or return the product, or have the product repaired.
- It is recommended that you lock the phonebook to prevent stored information from being leaked.

Information for Users on Collection and Disposal of Old Equipment and used Batteries



Information about disposal

Batteries should not be disposed of in general household waste. Observe the local waste disposal regulations, details of which can be obtained from your local authority or the dealer you purchased the product from.

At the end of its service life, this product must not be disposed of with normal household waste, but must be handed in at the place of purchase or at a collection point for recycling electrical and electronic devices in accordance with the ordinance governing the return, acceptance and disposal of electrical and electronic equipment (VREG).

The materials can be recycled according to their identification. By reusing the recycling materials along with other methods of recycling used equipment, you can make an important contribution to protecting the environment.



Ecodesign information

Ecodesign information under EU Regulation (EC) No.1275/2008 amended by (EU) Regulation No. 801/2013.

Please visit here: www.swisscom.ch/devices-help

Power consumption in networked standby and guidance are mentioned in the web site above.

Safety Information

Please note

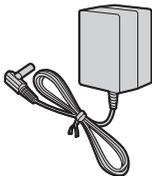
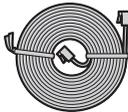
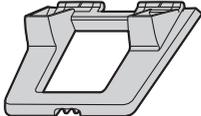
- Only use the power adaptor supplied.
- This telephone cannot be used to make emergency calls during a power cut. Make sure you have other phones available if required.
- Only operate the phone in temperatures between 0 and 40 degrees Celsius and keep it out of direct sunlight.
- Protect your phone from dampness, moisture and liquids. In order to avoid electric shocks, we recommend that you do not open up the phone.
- Do not use the phone in locations where explosions may occur (e.g. paint shops, petrol stations, etc.).
- Do not install the phone in a bathroom or shower room.
- Only clean the phone with a damp (not wet) cloth or anti-static cloth. Do not use a dry cloth due to the risk of a static charge!
- Never spray cleaning liquids directly onto the phone.
- Please do not use the phone during a thunder storm (risk of lightning strike). In order to prevent damage to the phone, unplug the phone from the mains during thunder storms.



- Return your device to Swisscom or hand it in at a specialized store.

Accessory Information

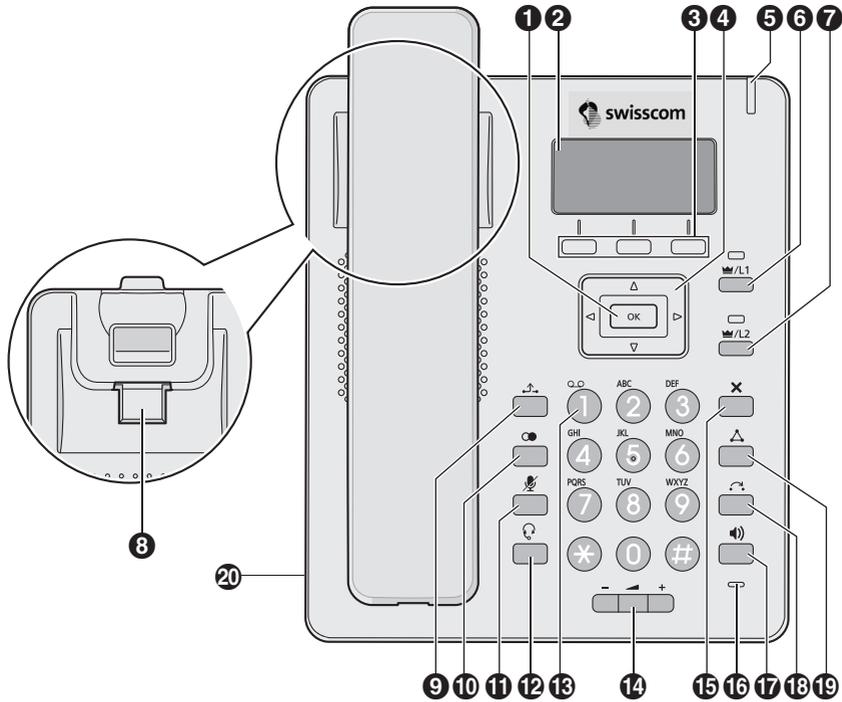
Included Accessories

AC Adaptor: 1 	DC Output: 6.5 V Part No.: PQLV219CE	Ethernet cable: 1 
Handset: 1 	Handset Cord: 1 	Stand: 1 

Optional Accessories

Item	SAP No.
Wall mount kit	10231352

Location of Controls



- 1 OK**
Used to confirm the selected item.
- 2 LCD (Liquid Crystal Display)**
For details about the LCD, see “Display”, Page 9.
- 3 Soft Keys**
These three keys are used to select the item displayed on the bottom line of the display. For details about the soft keys, see “Soft Keys”, Page 10.
- 4 Navigator Key**
The Navigator Key includes four direction keys. The direction keys are used to move the cursor to select an item.
- 5 Ringer/Message Waiting/Missed Call/LAN Status Indicator**
The lamp flashes when you are receiving a call, or when you have an unread message or missed call notification.
Also, the lamp flashes intermittently when the phone is disconnected from the LAN.
- 6 /L1**
Used to perform the assigned function. When this key is assigned as a Line key, it can be used to confirm the status or seize line 1. For details about changing the crown keys, see “Changing the Crown Keys”, Page 35.
For details about the line keys, see “LINE Keys”, Page 13.

Before Operating the Telephones

7 /L2

Used to perform the assigned function. When this key is assigned as a Line key, it can be used to confirm the status or seize line 2. For details about changing the crown keys, see “Changing the Crown Keys”, Page 35.

For details about the line keys, see “LINE Keys”, Page 13.

8 **Handset Hook**

Keeps the handset stable when the unit is mounted on a wall. For details, see “Hooking the Handset”, Page 42.

9

During talking, used to place a call on Hold. In standby mode, used to retrieve a call on hold.

10

Used to redial the last dialed number.

11

Used to mute the microphone/handset during a conversation.

12

Used for performing headset operations.

13

In standby mode, press and hold to access your COMBOX.

14

Used to adjust the ringer/receiver volume.

15

Used to cancel the selected item.

16 **Microphone**

Used for hands-free conversation.

17

Used for performing hands-free operations.

18

Used to transfer a call to another party.

19

Used to establish a multiple-party conversation.

20 **Headset Jack**

Optional headsets can be used with this unit. (Not all operations with the headsets can be guaranteed.)

The Display and Icons

Display

[Example]



1 Pictographs

Pictograph	Meaning
	All calls will be diverted to the preset number.
	All incoming calls will be blocked.
	Calls will be automatically answered.
	Ring tone is switched off. Turn it back on using the $-/+$ volume button.
	Indicates lower energy use. The PC connection cannot be used at the same time.
	You can see additional information (e.g. phone numbers). Navigate with the navigation buttons.

2 Date and Time Display

3 Missed Call, New Message, or Name/Number Display

4 Soft Keys

For more information, see “Soft Keys”, Page 10.

Note

- In standby mode, the line name is displayed. In all other modes, if only one line is configured on the telephone, the line name is not displayed.
- Example images of the display in this manual are samples only, and the actual screen on your phone may vary in color and/or appearance.

Before Operating the Telephones

Soft Keys

Icons and information shown on the display will vary depending on the context. To select an item shown on the display, press the corresponding soft key.

Icons may differ from the appearance of the actual product.

Soft Key (Left key)

Item	Meaning
	Opens the phonebook. Pressing this key for more than 2 seconds locks the phonebook.
Back	Returns to the previous display.
	Displayed when in Phonebook Lock. Pressing this key and then entering the password (default: not registered), unlocks the phonebook temporarily. Pressing for more than 2 seconds, then entering the password (default: not registered), unlocks the phonebook. If no password has been set, you cannot lock the phonebook. For details about setting the password, see "Setting the Password", Page 16.
Answer	Answers a call.
	Establishes a multiple-party conversation (Conference).

Soft Key (Middle key)

Item	Meaning
Menu	Opens the main menu.
OK	Confirms the entry.
Call	Makes a call.
	Turns the ringer off.
	Stores a new item in the phonebook.

Soft Key (Right key)

Item	Meaning
	Opens the Outgoing Call Log.
	Opens the Incoming Call Log.
Blind	Performs an unscreened (blind) transfer.
ABC	Displayed when in Latin character entry mode.
0 - 9	Displayed when in Numeric character entry mode.
Reject	Used to reject an incoming call.
Next	Advances to the next display.

Clear	Clears digits or characters.
Search	Searches for an item in the phonebook alphabetically.
AM/PM	Used to select AM or PM when setting the time.
Cancel	Used to cancel the setting.
Delete	Used to delete the setting.
Save	Used to save a setting.
ŠŠŠ	Displayed when in Special character (Extended 2) entry mode.
↔/→ *1	Used to set Call Forwarding and Do Not Disturb.
HOT0 , HOT2 — HOT9 *1	Dials the number assigned to the Hot Key.
Park *1*2	Used to retrieve a parked call (Call Parking).
Call Log	Opens the call log.
New *1	Disconnects the current call and allows you to make another call without hanging up.
☎ *1*2	Displays the last dialed number.
Pause *1*2	Inserts a dialing pause.

*1 This soft key can be configured to appear as Soft Key Left, Middle or Right.

*2 This soft key is displayed only when configured on the telephone.

Editing Soft Keys

Changing the default settings

[In standby mode]

- Menu**
- [▲]/[▼]: "Basic Settings" → **OK**
- [▲]/[▼]: "Key Option" → **OK**
- [▲]/[▼]: "Soft Key Edit" → **OK**
- [▲]/[▼]: Select a desired soft key. → **OK**
- [▲]/[▼]: "Standby"/"Talking" → **OK**
- [▲]/[▼]: "Default" → **OK**

Assigning Function Keys

[In standby mode]

- Menu**
- [▲]/[▼]: "Basic Settings" → **OK**
- [▲]/[▼]: "Key Option" → **OK**
- [▲]/[▼]: "Soft Key Edit" → **OK**

Before Operating the Telephones

5. [▲]/[▼]: Select a desired soft key. → **OK**
6. [▲]/[▼]: "Standby"/"Talking" → **OK**
7. [▲]/[▼]: "Function Key" → **OK**
8. [▲]/[▼]: Select the desired item. → **OK**

Assigning Hot Key Dial keys

[In standby mode]

1. **Menu**
2. [▲]/[▼]: "Basic Settings" → **OK**
3. [▲]/[▼]: "Key Option" → **OK**
4. [▲]/[▼]: "Soft Key Edit" → **OK**
5. [▲]/[▼]: Select a desired soft key. → **OK**
6. [▲]/[▼]: "Standby"/"Talking" → **OK**
7. [▲]/[▼]: "Hot Key Dial" → **OK**
8. [▲]/[▼]: Select the desired item. → **OK**

LINE Keys

If a line is assigned to a crown key, the crown key works as a line key. In this case, the line key can be used to seize a line in order to make or receive a call. The color of each key's LED indicates the status of the line. For details about changing the setting of crown keys, see "Changing the Crown Keys", Page 35.

Status Indication

Status		Meaning
Color	Light pattern	
Blue	On	In Use <ul style="list-style-type: none">● You are on a call.
	Slow Flashing	"Line On Hold" <ul style="list-style-type: none">● A call is on hold.
	Quick Flashing	"Incoming Call/Recall" <ul style="list-style-type: none">● A call (including Hold Recall) is being received. Name or number of caller● A call to a shared line is being received.
Red	On	In Use <ul style="list-style-type: none">● A shared line is in use or a call is on private hold at another unit.
	Slow Flashing	"Line On Hold" <ul style="list-style-type: none">● A shared line is on hold at another unit.
Off	—	Free <ul style="list-style-type: none">● The line is idle.

Before Operating the Telephones

Main Menu

Press **Menu** to display the following main menu.

Fwd/DND

Sets the Call Forwarding or Do Not Disturb features.
See “Call Forwarding/Do Not Disturb”, Page 27.

New Phonebook

Adds a new entry into the local phonebook.
See “Storing an Item in the Local Phonebook”, Page 29.

Missed Calls

Used to display the missed call log.
See “Missed/Incoming/Outgoing Call Log”, Page 15.

Incoming Log

Used to display the incoming call log.
See “Missed/Incoming/Outgoing Call Log”, Page 15.

Outgoing Log

Used to display the outgoing call log.
See “Missed/Incoming/Outgoing Call Log”, Page 15.

Phonebook

Used to access the local phonebook.
See “Using the Phonebook”, Page 28.

ECO Mode

Sets the ECO mode feature.
See “ECO Mode”, Page 32.

Basic Settings

Used to access the basic settings menu.
See “Changing the Basic Settings”, Page 36.

System Settings

Used to access the system settings menu.
See “Changing the System Settings”, Page 37.

Adjusting the Volume

Adjusting the Receiver/Speaker/Headset Volume

1. **[−]/[+]** volume key: Adjust the volume during a conversation.

Adjusting the Ringer Volume or Turning the Ringer Off

[In standby mode]

1. **[−]/[+]** volume key: Adjust the ringer volume.

Note

- For details about setting the ringer pattern, see “Incoming Option”, Page 44.

Adjusting the Ringer Volume or Turning the Ringer Off while Ringing

While receiving a call, do the following to adjust the ringer volume or turn the ringer off:

Note

- If you attach a headset while receiving an incoming call, ringing will be heard from the speaker.

To adjust the ringer volume

1. [–]/[+] volume key: Adjust the ringer volume.*1
2. **Back**: Exit.

*1 The adjusted volume level will also be used for subsequent calls.

To turn the ringer off

1. 

Missed/Incoming/Outgoing Call Log

Displaying the Missed Call Log

[In standby mode]

1. **Call Log***1
2. [▲]/[▼]: "Missed Calls" → **OK**

*1 If you have a new missed call, the Missed Call Log is displayed.

Note

- Both new and confirmed missed calls are displayed.

Displaying the Incoming Call Log

[In standby mode]

1. **Call Log***1
2. [▲]/[▼]: "Incoming Log" → **OK**

*1 If you have a new missed call, the Missed Call Log is displayed.

Note

- The log displays all incoming calls, including missed calls.

Displaying the Outgoing Call Log

[In standby mode]

1. **Call Log***1
2. [▲]/[▼]: "Outgoing Log" → **OK**

*1 If you have a new missed call, the Missed Call Log is displayed. In that case, press **Menu** instead.

Making a call using the Missed, Incoming, or Outgoing Call Log

See "Using the Missed, Incoming, or Outgoing Call Log", Page 20.

Storing an item using the Missed, Incoming, or Outgoing Call Log

See "Storing an Item Using the Missed, Incoming, or Outgoing Call Log", Page 30.

Before Operating the Telephones

Deleting Items in the Missed Call Log

[When the Missed Call Log is displayed]

1. [▲]/[▼]: Select the desired item. → **Menu**
 2. [▲]/[▼]: "Delete"*1 → **OK**
 3. [▲]/[▼]: "Yes" → **OK**
- *1 You can select "Delete All" instead to delete all items.
-

Deleting Items in the Incoming Call Log

[When the Incoming Call Log is displayed]

1. [▲]/[▼]: Select the desired item. → **Menu**
 2. [▲]/[▼]: "Delete"*1 → **OK**
 3. [▲]/[▼]: "Yes" → **OK**
- *1 You can select "Delete All" instead to delete all items.
-

Deleting Items in the Outgoing Call Log

[When the Outgoing Call Log is displayed]

1. [▲]/[▼]: Select the desired item. → **Menu**
 2. [▲]/[▼]: "Delete"*1 → **OK**
 3. [▲]/[▼]: "Yes" → **OK**
- *1 You can select "Delete All" instead to delete all items.
-

Setting the Password

The telephone password is not set by default. You must register a password (4 digits) before use. You cannot use the following features without setting a password:

- Phonebook lock (See "Locking the Local Phonebook", Page 32).

Note

- To avoid unauthorized access to this product:
 - Set a password that is random and cannot be easily guessed.
 - Change the password regularly.
 - Make a note of the password so that you will not forget it.
-

To set

[In standby mode]

1. **Menu**
 2. [▲]/[▼]: "Basic Settings" → **OK**
 3. [▲]/[▼]: "Other Option" → **OK**
 4. [▲]/[▼]: "Change Password" → **OK**
 5. Enter a new password (4 digits [0–9]).
 6. Verify the password by entering it again as in step 5.
-

Selecting the Display Language

You can select the language displayed on your LCD.

[In standby mode]

1. **Menu**
2. [▲]/[▼]: "Basic Settings" → **OK**
3. [▲]/[▼]: "Display Option" → **OK**
4. [▲]/[▼]: "Language" → **OK**
5. [▲]/[▼]: Select a language. → **OK**

- For a list of the languages that can be selected, see "Display Option", Page 45.

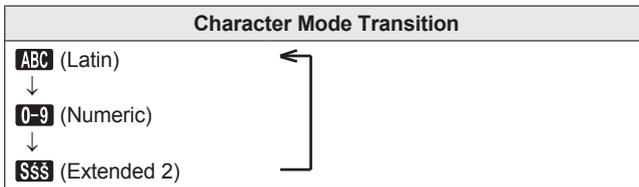
Entering Characters

You can enter characters and digits using the dialing keys.

You can select one of the character modes by pressing the **Right Soft Key** while entering a name. The function icon above the soft key displays the current character mode.

For available characters, see "Character Mode Table", Page 43.

To change the character mode while editing a name in the Phonebook, press the **Right Soft Key**.



Example: To enter "Anne" in Latin Mode.

[2] → [▶] → [✕] → [6] → [6] → [▶] → [6] → [6] → [▶] → [3] → [3]

- To switch between uppercase and lowercase, press [✕].
- To enter a character located on the same dialing key as the previous character, move the cursor by pressing the Navigator Key ▶, then enter the desired character.
- If you enter a different character by mistake, press the Navigator Key [◀] or [▶] to highlight the character, press **Clear** to delete it, then enter the correct character.
- To clear an entire line, press **Clear** for more than 1 second.
- To move the cursor, press the Navigator Key [◀], [▶], [▲] or [▼].

Basic Operation

Going off- and on-hook

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

- Using the corded handset
- Using the [M], [Q], [✕] key
- Using the soft key

Before Operating the Telephones

Going off-hook

In this manual, when you see the phrase "off-hook", you can do any of the following:

- Lift the corded handset off its cradle.
- Press **⏻** while the corded handset is on its cradle. This enables hands-free mode.
- Press **📞** when using a headset.
- Press the corresponding **👑/L1👑/L2** key to select a line.*1

*1 When a crown key is assigned as a Line key, this feature is available.

Going on-hook

In this manual, when you see the phrase "on-hook", you can do any of the following:

- Replace the corded handset on its cradle.
- Press **⏻**, **✖** when you are in hands-free mode.
- Press **📞**, **✖** when using a headset.
- Press **✖**.

Making Calls

- To enter characters, see "Entering Characters", Page 17
- You can confirm that the number was dialed correctly before calling (Predialing) by entering the number, then going off-hook.
- To clear an entire number while predialing, press **Clear** for more than 1 second.
- If an outside call is received from a phone number stored in the Phonebook, the number and name of the caller will be displayed in the call log.
- To cancel dialing, press **X**.
- To insert a 3 second pause between phone numbers, press **Pause** *1.

It is useful when you want to operate voice mail service without listening to pre-recorded announcement, for example. Repeat as needed to create longer pauses.

*1 This soft key is displayed only when configured on the telephone. Contact your administrator for further information.

Basic Calling

Calling by Dialing

1. In standby mode, go off-hook.
2. Dial the outside party's number.
3. **Call**
4. Go on-hook to end the call.

Note

To dial a new number without going on-hook, follow the procedure below.

1. **Menu**
2. [**▲**]/[**▼**]: "New Call"
3. **OK**

Predialing

In standby mode, you can start dialing while still on-hook. After dialing the number, go off-hook to begin the call.

Easy Dialing

Making a call using the redial list

The last phone number dialed is stored in the redial list (32 digits max.).

[In standby mode]

1. **☎**
2. Go off-hook.

Making Calls

Hot Key Dialing

You can assign a phone number to each number key and then access the desired phone number by simply pressing and holding the assigned number key.

1. Press and hold the dialing key (2–9 or 0) assigned as a Hot Key for more than 1 second.
2. Go off-hook.

Note

- Dial key 1 cannot be used as a Hot Key.
- While the Hot Key's information is displayed, you can press [▲] or [▼] to select another Hot Key number.
- If Hot Key dialing is set to "Auto", a Hot Key number can also be dialed by pressing and holding the assigned dialing key for a specified number of seconds. For details, see "Selecting the Type of Hot Key Dialing", Page 35.
- For details about assigning Hot Keys, see "Assigning Hot Keys From Phonebook", Page 34.

Using the Missed, Incoming, or Outgoing Call Log

Using the Missed Call Log

[In standby mode]

1. **Call Log***1
 2. [▲]/[▼]: "Missed Calls" → **OK**
 3. [▲]/[▼]: Select a missed call log.
 4. Go off-hook.
 5. Go on-hook to end the call.
- *1 If you have a new missed call, the Missed Call Log is displayed.

Using the Incoming Call Log

[In standby mode]

1. **Call Log***1
 2. [▲]/[▼]: "Incoming Log" → **OK**
 3. [▲]/[▼]: Select an incoming call log.
 4. Go off-hook.
 5. Go on-hook to end the call.
- *1 If you have a new missed call, the Missed Call Log is displayed.

Using the Outgoing Call Log

[In standby mode]

1. **Call Log***1
 2. [▲]/[▼]: "Outgoing Log" → **OK**
 3. [▲]/[▼]: Select an outgoing call log.
 4. Go off-hook.
 5. Go on-hook to end the call.
- *1 If you have a new missed call, the Missed Call Log is displayed. In that case, press **Menu** instead.

Using the Phonebook

Using the Local Phonebook

[In standby mode]

1. **📖**

2. [▲]/[▼]: Select the desired item. → [OK]*1
 3. [▲]/[▼]: Select the desired phone number.
 4. Go off-hook.
 5. Go on-hook to end the call.
- *1 If you push and hold [▲]/[▼], the next/previous items will be displayed automatically.

Note

- If the Local Phonebook is not permitted, this feature cannot be used. Contact your administrator for further information.
- For details about making a call using the Phonebook, see “Searching for an Item in the Local Phonebook”, Page 31.

Making a Call by Selecting a Line

You can select the line to use by pressing the Navigator Key [◀] or [▶].

[In standby mode]

1. [◀]/[▶]
 2. [▲]/[▼]: Select the line to make a call on.*1 → **OK**
 3. Dial the outside party's number.
- *1 The phone number or name assigned to each line is displayed.

Note

- Availability depends on your phone system. For details, contact your phone system dealer/service provider.

Receiving Calls

- You can select the ringer for each type of incoming call. See “Incoming Option”, Page 44.
- The volume of the ringer can be adjusted, or turned off. See “Adjusting the Ringer Volume or Turning the Ringer Off”, Page 14.
- If you attach a headset while receiving an incoming call, ringing will be heard from the speaker.

Caller ID

If an outside call that contains Caller ID information (a caller’s name and telephone number) is received, this information will be logged in the incoming call log and displayed on the LCD.

If a call from a number matching a number entered in the phonebook is received, the name registered in the phonebook for that number will be displayed along with the number.

If caller information is sent by the phone system and there is also information stored in the phonebook for the same number, the information stored in the phonebook will be displayed.

Answering Calls

To answer an incoming call

1. Go off-hook.*1

*1 When the handset is already off-hook, press and release the hook switch.

Note

- When a call is received while another call is on hold, pressing and releasing the hook switch will answer the call.

To answer an incoming call on a specific line

1. Press the corresponding /L1//L2 key.

Note

- When a crown key is assigned as a Line key, this feature is available.
- Line keys with incoming calls will be flashing blue rapidly.
- You can select the ringer pattern for each type of incoming call. For details, see “Incoming Option”, Page 44.

To reject an incoming call

1. While an incoming call is ringing, press **Reject**.
2. The call will be rejected, and the telephone will return to standby 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

If you press  in standby mode, you can enable hands-free mode.

During a conversation using a headset, you can enable hands-free mode by pressing .

Canceling hands-free mode

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

- During a conversation in hands-free mode, go off-hook.
- While you are talking in hands-free mode and a headset is attached to the unit, press \mathcal{Q} to continue the conversation using the headset.

During a Conversation

Transferring a Call (Call Transfer)

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

To transfer

1. Press  during a conversation.
2. Dial the party you want to transfer to. → **Call**
3. Wait until the other party answers to announce the transfer.
4. Press .

Note

- To return to the call before the transfer destination answers, press **X**.

To do a blind transfer

1. Press **Blind***1 during a conversation.
2. Dial the party you want to transfer to. → **Call**

*1 If blind transfers are not permitted, this soft key is not displayed. Contact your administrator for further information.

Holding a Call

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

Holding

To hold the current call

1. 

Note

- When a crown key is assigned as a Line key, if you press a Line key other than the one for the current call, the call is put on hold or is disconnected depending on the Automatic Call Hold settings. For details, contact your phone system dealer/service provider.

To retrieve a call on hold at your line

1. *1

*1 When the handset is already off-hook, press and release the hook switch.

Note

- When a call is received while another call is on hold, pressing and releasing the hook switch will answer the call.
- You can also retrieve a call on hold by following the step below.
 1. Press the corresponding /L1/L2 key. → **OK**

Holding in a System Parking Zone (Call Park)

You can use this feature as a transferring feature.

When Call Park is permitted, the **Park** soft key is displayed. However, the Call Park feature number must be set beforehand. Also, depending on your phone system, you may need to enter a parking zone

number to retrieve a parked call. The feature depends on your phone system. Contact your administrator for further information.

To set

1. **Park**

To retrieve (Call Park Retrieve) [In standby mode]

1. Enter the Call Park Retrieve feature number.
2. Go off-hook.

Note

- Depending on the telephone system, the **Park** soft key might blink to show that the line has a parked call. In this case, you can retrieve the call by pressing the blinking **Park** soft key. However, to retrieve a parked call using the soft key, the Call Park Retrieve feature number must be set beforehand. Contact your administrator for further information.

Talking to Two Parties Alternately (Call Splitting)

When talking to one party while the other party is on hold, you can swap the calls back and forth (alternately).

To alternate between the parties leaving one party on hold temporarily

1. Press  during a conversation.
2. Dial the other party's extension number.
3. After talking to the other party, press .
4. Talk to the original party.

Three-party Conference

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

Note

- 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, contact your phone system dealer/service provider.

Making a Conference Call

1. Press  during a conversation.
2. Dial the party you want to add to the conversation. → **Call**
3. 

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. During a conference call, press .
2. Press the corresponding /L1//L2 key for the party you want to disconnect.*1 → **OK**
3. Go on-hook.
4. Go off-hook. → .

*1 When a crown key is assigned as a Line key, this feature is available.

During a Conversation

Note

- To reestablish the conference without removing either party, press  after step 2 whether on-hook or off-hook.

Ending a Conference Call

To end the conference call, go on-hook.

Mute

You can disable the microphone or the handset to consult privately with others in the room while listening to the other party on the phone through the speaker or the handset.

To set/cancel

1. 

Note

- When the  icon is blinking on the LCD, Mute is on.
- During Mute, even if you switch from/to speakerphone, Mute will continue.
- During Mute, even if you connect/disconnect a headset, Mute will continue.

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.

This is an optional telephone company service. You can receive a call waiting tone and the caller's information. For details, contact your phone system dealer/service provider.

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

1. Go on-hook.
2. Go off-hook.

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

1. **Answer**

Note

- You can also answer the call by pressing .

Off-hook Monitor

During a two-party conversation with the corded handset, you can allow other people to listen to the conversation through the speaker while you continue the conversation using the corded handset.

To start/To cancel

1. Press  during a conversation.

Note

- When off-hook monitor is active, replacing the corded handset to its cradle enables hands-free mode.

Call Forwarding/Do Not Disturb

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

To access the FWD/DND settings

1. **Menu**
2. [**▲**]/[**▼**]: "Fwd/DND" → **OK**
3. If the unit has multiple lines, press [**▲**] or [**▼**] to select the desired line. → **OK**
4. [**▲**]/[**▼**]: Select the type of FWD or DND setting to apply. → **OK**
 The settings are as follows:
 - DND: Enable Do Not Disturb
(All incoming calls are automatically rejected.)
 - Fwd(All): Enable Forward All Calls
(All incoming calls are forwarded.)
 - Fwd(Busy): Enable Forward Busy
(Incoming calls are forwarded only when your extension is in use.)
 - Fwd(NA): Enable Forward No answer
(An incoming call is forwarded if you do not answer the call within a certain amount of time.)
5. If a Forward setting is selected, enter a new forward destination number, or confirm and modify a previously set forward destination number. → **OK**

Note

- When Call Forwarding and/or Do Not Disturb is enabled,  and/or  appears on the display in standby mode.

Listening to COMBOX

When you receive a COMBOX message, "COMBOX" is displayed. You can check your new messages by accessing your COMBOX.

[In standby mode]

1. Press and hold **Q.O.**
2. [**▲**]/[**▼**]: Select the line on which  is displayed. → **OK**

Note

- Step 2 is not necessary if only one line is configured on the telephone.

Using the Phonebook

Local Phonebook

This Phonebook is stored in the telephone.

	Local Phonebook
Storing new items	✓
Editing stored items	✓
Deleting store items	✓
Searching the phonebook by name	✓
Phone numbers for each item	Up to 3

Using the Local Phonebook

You can store up to 500 phone numbers in the telephone along with names for easy access. All Phonebook items are stored in alphabetical order. For security purposes, you can lock the Phonebook.

- To search for an item in the Phonebook, see “Searching for an Item in the Local Phonebook”, Page 31.

Note

- We recommend that backups are made of the phonebook data, in case the data becomes unrecoverable due to product malfunction.
- A single entry (i.e., name) can have multiple phone numbers. Since the phonebook capacity is limited by the number of stored phone numbers, storing multiple phone numbers in an entry decreases the maximum number of entries.
- In addition, if your phone service provider supports the following phonebook data, you can download it via the network.
In a name that exceeds 24 characters, the exceeding characters will be deleted.
Phone numbers that exceed 32 digits are invalid.

Storing an Item in the Local Phonebook

Storing a New Item

[In standby mode]

1. **Menu**
2. [▲]/[▼]: "New Phonebook" → **OK**
3. Enter a name (max. 24 characters). → **OK**
4. [▲]/[▼]: Select a phone number type (🏠: Home, 🏢: Office, 📱: Mobile). → **OK**
5. Enter the phone number (max. 32 digits). → **OK**
6. Repeat steps 4 and 5 to add additional phone number types.
7. To select a default number for the entry, press [▲] or [▼] to select "Default TEL No". → **OK**
8. [▲]/[▼]: Select the number to use as the default number. → **OK**
9. **Save**

Note

- Steps 7 and 8 can be omitted if you do not want to assign a default number. (The first number entered for an entry will automatically be assigned as the default number.)
- The valid digits are "0" through "9", "✳", "☎", "+", "P".
- If an item with the same name and number exists, the new information added will be merged with the existing item.
- To enter characters, see “Entering Characters”, Page 17.

Storing an Item Using the Dialing

You can dial a number first and then add it as a phonebook entry.

[In standby mode]

1. Dial a number.
2. 
3. Enter a name (max. 24 characters). → **OK**
4. [▲]/[▼]: Select a phone number type (🏠: Home, 🏢: Office, 📱: Mobile). → **OK**

Using the Phonebook

5. Edit the phone number if desired. → **OK**
6. Repeat steps 4 and 5 to add additional phone number types.
7. To select a default number for the entry, press **[▲]** or **[▼]** to select "Default TEL No" → **OK**
8. **[▲]/[▼]**: Select the number to use as the default number. → **OK**
9. **Save**

Note

- Steps 7 and 8 can be omitted if you do not want to assign a default number. (The first number entered for an entry will automatically be assigned as the default number.)
- The valid digits are "0" through "9", "✳", "☎", "✚", "P".
- If an item with the same name and number exists, the new information added will be merged with the existing item.
- To enter characters, see "Entering Characters", Page 17.

Storing an Item Using the Missed, Incoming, or Outgoing Call Log

You can add a number listed in the Missed, Incoming, or Outgoing Call Log to the Local Phonebook.

[In standby mode]

1. Display the missed, incoming, or outgoing call log. For details, see Page 15.
2. **[▲]/[▼]**: Select the desired item. → **Menu**
3. **[▲]/[▼]**: "Save Phonebook" → **OK**
4. Edit the name if desired. → **OK**
5. **[▲]/[▼]**: Select a phone number type (🏠: Home, 🏢: Office, 📱: Mobile). → **OK**
6. Edit the phone number if desired. → **OK**
7. Repeat steps 5 and 6 to add additional phone number types.
8. To select a default number for the entry, press **[▲]** or **[▼]** to select "Default TEL No" → **OK**
9. **[▲]/[▼]**: Select the number to use as the default number. → **OK**
10. **Save**

Note

- Steps 8 and 9 can be omitted if you do not want to assign a default number. (The first number entered for an entry will automatically be assigned as the default number.)
- The valid digits are "0" through "9", "✳", "☎", "✚", "P".
- If an item with the same name and number exists, the new information added will be merged with the existing item.
- To enter characters, see "Entering Characters", Page 17.

Editing a stored item in the Local Phonebook

Editing a Stored Item

[In standby mode]

1. 
2. **[▲]/[▼]**: Select the desired name, phone number or default telephone number. → **Menu**
3. **[▲]/[▼]**: "Edit" → **OK**
4. Edit the data as necessary. → **OK**
5. Repeat step 2 to 4 and edit the items you want to change.

6. **Save****Note**

- To change a character or digit, press [◀] or [▶] to highlight it, press **Clear** to delete it, and then enter the new character or digit.
- To clear an entire line, press and hold **Clear** for more than 1 second.
- To move the cursor to the left or right, press [◀] or [▶], respectively.
- For details about entering characters, see "Entering Characters", Page 17.

Deleting a Stored Item in the Local Phonebook

Deleting a Stored Item**[In standby mode]**

1. 
2. [▲]/[▼]: Select the desired item.
3. **Menu**
4. [▲]/[▼]: "Delete" → **OK***1
5. [▲]/[▼]: "Yes" → **OK**

*1 To delete all items, select "Delete All" instead of "Delete".

Searching for an Item in the Local Phonebook

You can search for an item in the phonebook by following the steps below.

Searching by Name

You can also search for an item in the phonebook by entering a name:

[In standby mode]

1. 
 2. Enter the name or the first character(s) of the desired name. → **OK**
 3. [▲]/[▼]: Select the desired item. → [OK]*1
 4. [▲]/[▼]: Select the desired phone number.
 5. To make a call, go off-hook.
- *1 If you push and hold [▲]/[▼], the next/previous items will be displayed automatically.

Searching by pressing Dial Keys

You can also search for an item in the phonebook by pressing multiple dial keys when the phonebook list is displayed:

1. Press the dial keys to enter the first character(s) of the desired name in accordance with the character tables.*1 → **OK**
- *1 For details about the characters assigned to the dial keys, see the following table.

Keys	ABC (Latin)
1	†→*→1
2	A→B→C→2
3	D→E→F→3
4	G→H→I→4

Using the Phonebook

5	J→K→L→5
6	M→N→O→6
7	P→Q→R→S→7
8	T→U→V→8
9	W→X→Y→Z→9
0	0→Space

- Pressing a key repeatedly will cycle through the characters associated with that key. For example, to enter the letter "C" in Latin Mode, press **2** 3 times.
- The illustrations of the keys in the table may differ in appearance from the actual keys on the telephone.

Example: To enter "ANNE" in Latin Mode.

2 → **6** → **6** → [**>**] → **6** → **6** → **3** → **3**

Note

- Availability depends on your phone system. Contact your administrator for further information.
-

Locking the Local Phonebook

You can lock/unlock the phonebook while in standby mode. If no password has been set, you cannot lock the phonebook. For details about setting the password, see "Setting the Password", Page 16.

Locking/Unlocking the Phonebook

To lock

1. Press and hold  for more than 2 seconds.  will be displayed.*1

To unlock

1. Press and hold  for more than 2 seconds.
2. Enter your password.*2
3. To return to standby mode, press **X**.

Unlocking the Phonebook Temporarily

1. 
2. Enter your password.*2

*1 The call log is also locked.

*2 If you enter an incorrect password 3 times, you cannot enter another password for approximately 30 seconds.

ECO Mode

Enabling this mode reduces the amount of electricity consumed by the unit.

Note

- When ECO mode is enabled, the "Link Speed" setting (Page 49) changes as follows:
 - Link Speed: "10M/Full"
 - PC port cannot be used
 - When the ECO mode setting is changed, the unit will restart.
 - When ECO mode is enabled, **ECO** is displayed while the unit is in standby mode.
-

Setting ECO Mode

[In standby mode]

1. **Menu**
2. [▲]/[▼]: "ECO Mode" → **OK**
3. [▲]/[▼]: "On"*1 → **OK**

*1 To disable ECO mode, select "Off" (default).

Customizing the Telephone

Changing the Telephone's LCD Display

You can change what is displayed on the telephone's LCD while the telephone is in standby mode.

1. **Menu**
2. [▲]/[▼]: "Basic Settings" → **OK**
3. [▲]/[▼]: "Display Option" → **OK**
4. [▲]/[▼]: "Standby Display" → **OK**
5. [▲]/[▼]: Select the desired item. → **OK**

Hot Keys

By assigning phone numbers to dial keys, you can make a call by pressing and holding a dial key.

- Dial key 1 cannot be used as a Hot Key.
- "Hot Key Dialing", Page 20

Assigning Hot Keys From Phonebook

You can assign a phone number stored in the Local Phonebook to a key to be used as a Hot Key.

1. In standby mode, press and hold a dial key (2–9 or 0) for more than 1 second.
2. **Menu**
3. [▲]/[▼]: "Copy from P.book". → **OK**
4. Enter the desired name. → **OK**
5. [▲]/[▼]: Select a number → **OK**
6. "Save" → **OK**

Note

- For details about searching for an item in the phonebook, see "Searching for an Item in the Local Phonebook", Page 31.

Editing Hot Keys

1. In standby mode, press and hold a dial key (2–9 or 0) for more than 1 second.
2. **Menu**
3. [▲]/[▼]: "Edit" → **OK**
4. Edit the Hot Key Name, if necessary. → **OK**
5. Edit the Hot Key Number, if necessary. → **OK**
6. "Save" → **OK**

Deleting a Hot Key

1. In standby mode, press and hold the dialing key assigned as a Hot Key for more than 1 second.*1
2. **Menu**
3. [▲]/[▼]: "Delete" → **OK***2
4. [▲]/[▼]: "Yes" → **OK**

- *1 While the Hot Key's information is displayed, you can press [▲] or [▼] to select another Hot Key number.
- *2 To delete all items, select "Delete All" instead of "Delete".

Selecting the Type of Hot Key Dialing

You can select one of 2 types of Hot Key Dialing for each assigned Hot Key.

1. In standby mode, press and hold a dial key (2–9 or 0) for more than 1 second.
2. **Menu**
3. [▲]/[▼]: "Automatic Call" → **OK**
4. "Manual"/"Auto" → **OK**
 - Manual:
Press and hold the dialing key (2–9 or 0) assigned as a Hot Key for more than 1 second, and then go off-hook. For details, see "Hot Key Dialing", Page 20.
 - Auto:
Pressing and holding an assigned Hot Key for the set number of seconds will dial that Hot Key's assigned number immediately.

Note

- To select the number of seconds before the call is automatically made, see "Hot Key Time" in "Key Option", Page 44.

Changing the Crown Keys

Each of the 2 crown keys can be assigned one of the following functions.

- One Touch Dial
Used to dial a previously set phone number with one touch.
- Line
Used to seize a line or confirm its status.
- Missed Calls
Used to view missed calls if you have any.
- Blacklist
Used to register the phone number of the last received call to a server in order to reject further calls from that phone number.
- Do Not Disturb
Used to enable the Do Not Disturb feature.
- Anonymous Rej.
Used to enable the Block Anonymous Calls feature.
- Forward Direct
Used to enable the Forward All Calls feature.
- Forward NoReply
Used to enable the Forward No answer feature.
- Forward Busy
Used to enable the Forward Busy feature.
- CLIR (Calling Line Identification Restriction)
Used to disable sending your telephone number to the network when making a call.
- Silent
Used to turn the ringer and key tone on or off.

[In standby mode]

1. **Menu**
2. [▲]/[▼]: "Basic Settings" → **OK**

Customizing the Telephone

3. [▲]/[▼]: "Key Option" → **OK**
4. [▲]/[▼]: "Crown Key" → **OK**
5. [▲]/[▼]: Select the key to change. → **OK**
6. [▲]/[▼]: Select the new item to assign. → **OK**

Making an anonymous call

Before making a call, specify the following:

IMPORTANT

- We recommend setting with your administrator. Contact your administrator for further information.

1. **Menu**
2. [▲]/[▼]: "Basic Settings" → **OK**
3. [▲]/[▼]: "Call Settings" → **OK**
4. [▲]/[▼]: "Anonymous Call" → **OK**
5. [▲]/[▼]: Select a line. → **OK**
6. [▲]/[▼]: "On"/"Off" → **OK**

Changing the Basic Settings

To select the main item in standby mode

1. **Menu**
2. [▲]/[▼]: "Basic Settings" → **OK**
3. [▲]/[▼]: Select the main item. → **OK**

Main Item	Sub Item			Page
Incoming Option	Ringer Volume	Ringer Type		Page 44
Talk Option	Speaker Volume	Handset Volume	Headset Volume	Page 44
Answer Option	Auto Answer	Auto Ans Device	Auto Ans Delay	Page 44
Key Option	Crown Key	Soft Key Edit	Soft Key Name	Page 44
	Hot Key Time			
Display Option	Language	Backlight	LCD Contrast	Page 45
	Standby Display	Date Format	Time Format	
Key Tone				Page 46
Call Settings	Anonymous Call	Blacklist	Anywhere* ¹	Page 46
	Remote Office* ¹	SimultaneousRing* ¹	System Lock	
Other Option	Change Password	Silent		Page 46

*1 This item is displayed only when the feature is enabled. Contact your administrator for further information.

Changing the System Settings

IMPORTANT

- The feature depends on your phone system. Contact your administrator for further information.

[In standby mode]

1. **Menu**
2. [▲]/[▼]: "System Settings" → **OK**
3. [▲]/[▼]: Select the main item. → **OK**

Main Item	Sub Item			Page
Status	Line Status	Firmware Version	IP Mode	Page 48
	IPv4 Settings	IPv6 Settings	MAC Address	
	LLDP	VLAN		
Network Settings	IP Mode Select	IPv4 Settings	IPv6 Settings	Page 48
	LLDP	VLAN	Link Speed	
System Settings	Authentication	Xsi Setting* ¹	UC Setting* ¹	Page 49
	Factory Reset			

*1 This item is displayed only when the feature is enabled. Contact your administrator for further information.

Installation and Setup

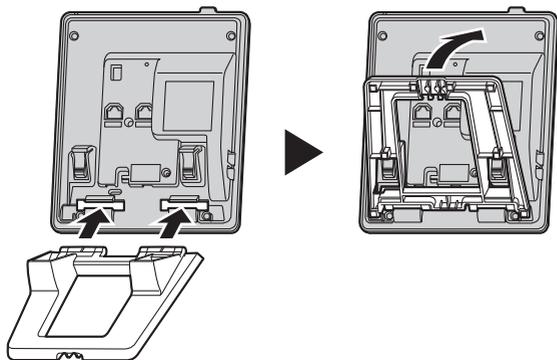
Note

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

Attaching the Stand

Attach the stand to the desk phone.

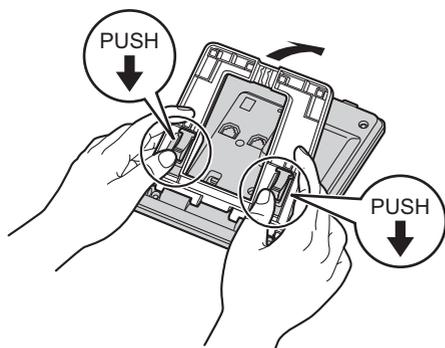
1. Insert the stand into the slots located in the unit.
2. Gently rotate the stand in the direction indicated until it is fixed.



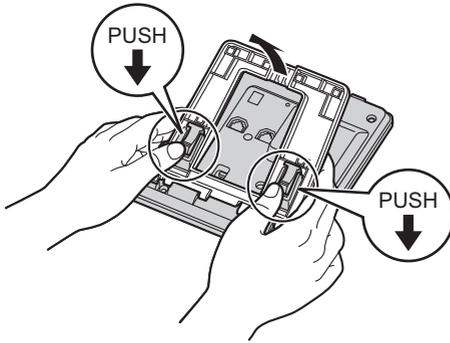
Adjusting the Stand Position

Push the PUSH marks in the direction indicated, with both hands, and tilt and slide the stand until it becomes fixed in the desired position.

- High Position → Low Position

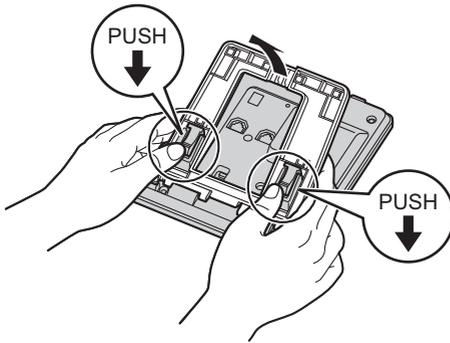


- Low Position → High Position



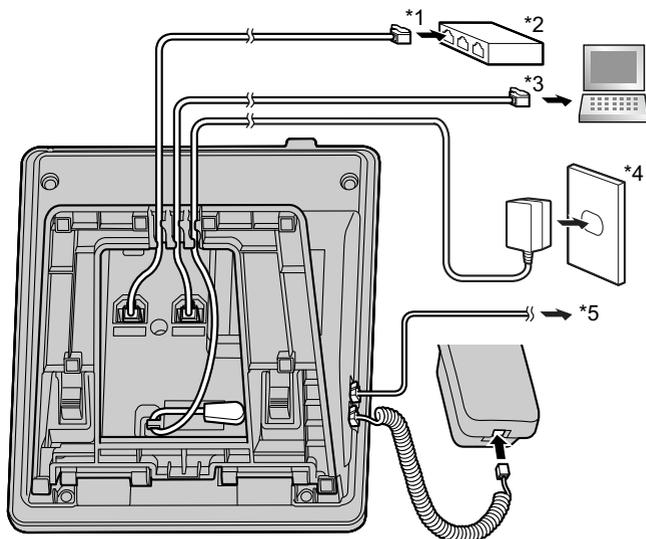
Removing the Stand

Tilt the stand in the direction indicated while pushing the PUSH marks with both hands.



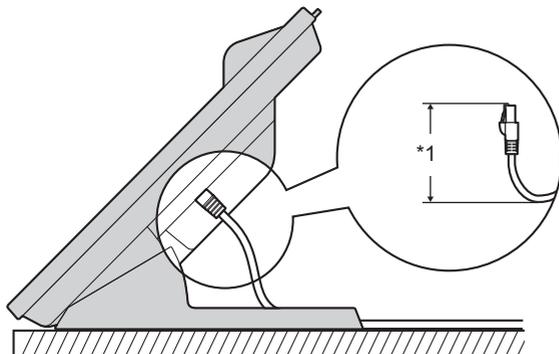
Connections

Connect the Ethernet cable, the Handset Cord and the AC adaptor to the unit.



- *1 Included Ethernet cable
- *2 Centro Business
- *3 Optional Ethernet cable
- *4 AC adaptor
- *5 Optional headset

Connect the cables as shown in the following illustration.



*1 60 mm or less

When connecting to a switching hub

- If PoE is available, an AC adaptor is not needed.

- This unit complies with the PoE Class 1 standard.

When connecting a PC

- The PC port does not support PoE for connected devices.

When connecting cables and the AC adaptor

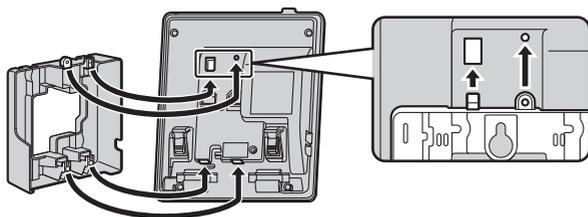
- Pass the Ethernet cable and the AC adaptor cord under the stand.

Wall Mounting

Note

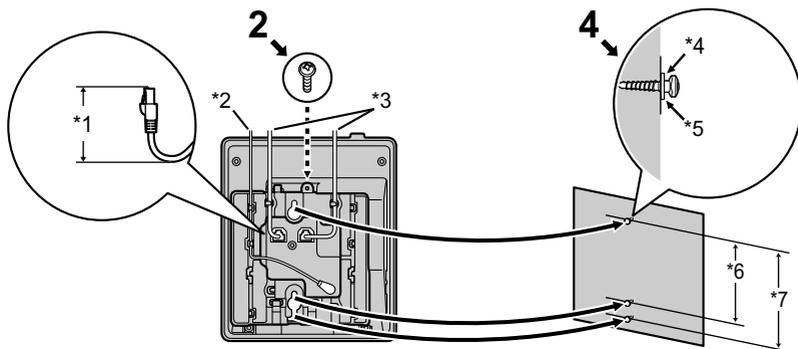
- Make sure that the wall and the fixing method are strong enough to support the weight of the unit.
- The wall mount kit is optional and is available from Swisscom.
SAP No.: 10231352

1. Insert the 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 the small screw.
(Recommended torque: 0.4 N·m [4.08 kgf·cm] to 0.6 N·m [6.12 kgf·cm])
3. Connect the AC adaptor and handset cord.

4. Drive the large screws into the wall either 83 mm or 100 mm apart, and mount the unit on the wall.



*1 40 mm or less

*2 AC adaptor

*3 Ethernet cables

*4 Washer

*5 Drive the screw to this point.

*6 83 mm

*7 100 mm

- You can find a wall mounting template at the end of this manual.
- When inserting screws, avoid pipes and electrical cables, etc., that may be present/buried.

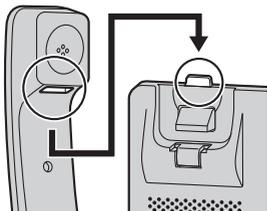
Installation and Setup

- The screw heads should not be flush to the wall.
- Certain types of wall may require plugs to be anchored in the wall before the screws are inserted.

Hooking the Handset

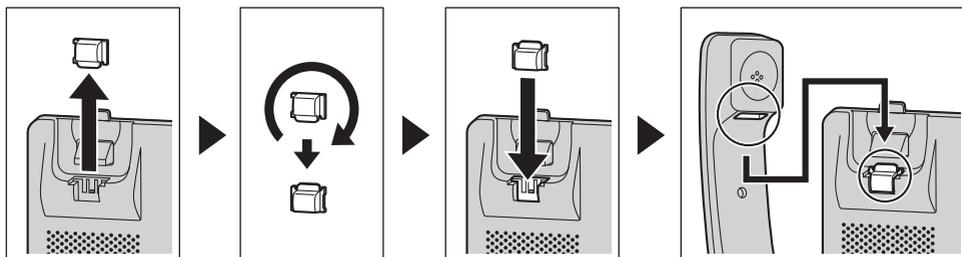
To Hook the Handset During a Conversation

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 up-side-down.
3. Slide the handset hook back into the slot until it locks.
4. Handset is safely hooked when it is in the cradle.



Updating the software

Swisscom may offer new features and improve its software version from time to time.

Appendix

Character Mode Table

Keys	ABC (Latin)	0–9 (Numeric)	ŠŠŠ (Extended 2)
[1]	Space # & ' () * , - . / 1	1	Space # & ' () * , - . / 1
[2]	A B C 2	2	A Á Ā Ą A B C Č 2
	a b c 2		a á ā ą a b c č 2
[3]	D E F 3	3	D Ď E É ě Ě F 3
	d e f 3		d ě é ě ě f 3
[4]	G H I 4	4	G H I í 4
	g h i 4		g h i í 4
[5]	J K L 5	5	J K L ł ł ł 5
	j k l 5		j k l ł ł 5
[6]	M N O 6	6	M N Ń Ņ O Ó Ö
	m n o 6		ó 6 m n Ń Ņ o ó ö 6
[7]	P Q R S 7	7	P Q R Ŕ Ŗ S Š Š 7
	p q r s 7		p q r ŕ ř s š š 7
[8]	T U V 8	8	T Ţ Ť U Ú Ū Ů V 8
	t u v 8		t ť ŧ u ú ū ů v 8
[9]	W X Y Z 9	9	W X Y Ÿ Z Ž Ž Ž
	w x y z 9		w x y ý z ž ž ž 9
[0]	Space ! ? " : ; + = < > 0	0	Space ! ? " : ; + = < > 0
[#]	\$ % & @ € £	#	\$ % & @ € £

- Press [X] before or after entering a character to change between uppercase and lowercase.
- Pressing a key repeatedly will cycle through the characters associated with that key. For example, to enter the letter "C" in Latin Mode, press [2] 3 times.
- Characters that are entered using the [#] key (for example, "\$") cannot be entered when searching the phonebook. See "Searching for an Item in the Local Phonebook", Page 31.
- The illustrations of the keys in the table may differ in appearance from the actual keys on the telephone.

Basic Settings Menu Layout

Incoming Option

Sub Item	Description	Setting	Default
Ringer Volume	Adjusts the ringer volume	<input type="checkbox"/> Level 1–8 <input type="checkbox"/> Off	Level 5
Ringer Type • Line 1–2	Ringer Pattern Selects the ringtone for each type of call.*1	<input type="checkbox"/> Ringtone 1–8	Ringtone 1

*1 The preset melodies in this product are used with permission of © 2010 Copyrights Vision Inc.

Talk Option

Sub Item	Description	Setting	Default
Speaker Volume	Adjusts the speaker volume.	Level 1–8	Level 5
Handset Volume	Adjusts the handset volume.	Level 1–8	Level 5
Headset Volume	Adjusts the headset speaker volume.	Level 1–8	Level 5

Answer Option

Sub Item	Description	Setting	Default
Auto Answer	Turns the Auto Answer feature on or off.	<input type="checkbox"/> Auto Answer on <input type="checkbox"/> Auto Answer off	Auto Answer off
Auto Ans Device	Selects the types of devices that can be answered by Auto Answer.	<input type="checkbox"/> Speaker Phone <input type="checkbox"/> Headset	Speaker Phone
Auto Ans Delay	Selects the number of seconds before a call is automatically answered when Auto Answer is turned on.	0s–20s	6s

Key Option

Sub Item	Description	Setting	Default
Crown Key • Crown Key/L1–2	Assigns a function to each crown key.	<input type="checkbox"/> One Touch Dial <input type="checkbox"/> Line <input type="checkbox"/> Missed Calls <input type="checkbox"/> Blacklist <input type="checkbox"/> Do Not Disturb <input type="checkbox"/> Anonymous Rej. <input type="checkbox"/> Forward Direct <input type="checkbox"/> Forward NoReply <input type="checkbox"/> Forward Busy <input type="checkbox"/> CLIR <input type="checkbox"/> Silent	Not stored

Sub Item	Description	Setting	Default
Soft Key Edit <ul style="list-style-type: none"> ● Left Edit ● Middle Edit ● Right Edit 	Edits the soft keys in the following situations. <ul style="list-style-type: none"> ● Standby ● Talking 	<input type="checkbox"/> Default <input type="checkbox"/> Function Key <input type="checkbox"/> Fwd/DND* ¹ <input type="checkbox"/> New Call* ² <input type="checkbox"/> Incoming Log <input type="checkbox"/> Outgoing Log <input type="checkbox"/> Phonebook <input type="checkbox"/> Call Park* ^{2*3} <input type="checkbox"/> Pause* ³ <input type="checkbox"/> Hot Key Dial* ¹	Not stored
Soft Key Name <ul style="list-style-type: none"> ● Name Left ● Name Middle ● Name Right 	Edits the names of the soft keys in the following situations. <ul style="list-style-type: none"> ● Standby ● Talking 	Max. 5 characters	Not stored
Hot Key Time	Selects the number of seconds before a call is automatically made when a Hot Key assigned to "Auto" is pressed and held.	1s–20s	2s

*1 Displayed only when "Standby" is selected.

*2 Displayed only when "Talking" is selected.

*3 Displayed only when configured on the telephone.

Display Option

Sub Item	Description	Setting	Default
Language	Selects the display language.	<input type="checkbox"/> English <input type="checkbox"/> Deutsch <input type="checkbox"/> Français <input type="checkbox"/> Italiano	Not stored
Backlight	Turns the LCD backlight on or off. If "Auto" or "On" is selected, set the brightness of the backlight from Level 1–3.	<input type="checkbox"/> Auto <input type="checkbox"/> On <input type="checkbox"/> Off	Auto
LCD Contrast	Adjusts the contrast of the backlight of the LCD.	Level 1–6	Level 3
Standby Display	Selects what is shown on the display while in standby mode.	<input type="checkbox"/> Phone Number <input type="checkbox"/> Phone No&Name <input type="checkbox"/> Off	Phone Number
Date Format	Selects the format for the date shown on the display in standby mode.	<input type="checkbox"/> DD-MM-YYYY <input type="checkbox"/> MM-DD-YYYY	DD-MM-YYYY
Time Format	Selects the format for the time shown on the display in standby mode.	<input type="checkbox"/> 12H <input type="checkbox"/> 24H	24H

Appendix

Key Tone

Sub Item	Description	Setting	Default
Key Tone	Turns the key tone on or off.	<input type="checkbox"/> On <input type="checkbox"/> Off	On

Call Settings

Sub Item	Description	Setting	Default
Anonymous Call	Specifies whether or not to make outgoing anonymous calls.	Line 1–2 <input type="checkbox"/> On <input type="checkbox"/> Off	Off
Blacklist	Registers the phone number of the last received call to a server in order to reject further calls from that phone number.	Blacklist → OK	—
Anywhere* ¹	Specifies/edits the Xsi's Anywhere settings.	–Anywhere* ² <input type="checkbox"/> On <input type="checkbox"/> Off –Name –Phone Number* ³	—
Remote Office* ¹	Specifies the Xsi's Remote Office setting.	–Remote Office <input type="checkbox"/> On <input type="checkbox"/> Off –Phone Number* ³	—
SimultaneousRing* ¹	Specifies the Xsi's Simultaneous Ring setting.	–SimultaneousRing <input type="checkbox"/> On <input type="checkbox"/> Off –Phone Number* ³	—
System Lock	Selects whether to lock the Call Settings menu.	<input type="checkbox"/> On* ⁴ <input type="checkbox"/> Off	Off

*1 If the Xsi's service is available, you can select this item. Contact your administrator for further information.

*2 Displayed only when editing.

*3 In a phone number that exceeds 32 digits, the exceeding digits will not be displayed.

*4 Password is required (4 digits).

Other Option

Sub Item	Description	Setting	Default
Change Password* ^{1*2}	Changes the telephone password (4 digits) used for unlocking the Phonebook.	Enter Old Password.* ^{3*4} ↓ Enter New Password. ↓ Verify New Password.	Not registered
Silent	Specifies whether to turn the ringer and key tone on or off.	–Silent <input type="checkbox"/> On <input type="checkbox"/> Off	Off

- *1 To avoid unauthorized access to this product:
 - Set a password that is random and cannot be easily guessed.
 - Change the password regularly.
- *2 Make a note of the password so that you will not forget it.
- *3 If a password has not already been set, you can skip the first step.
- *4 For details about setting the password, see “Setting the Password”, Page 16.

System Settings Menu Layout

Status

Sub Item	Description	Setting	Default
Line Status ● 1–2	Displays the line status.	Registered*1/ Registering*1/(NULL)	—
Firmware Version	Displays the firmware version of the telephone.	—	—
IP Mode	Displays the IP network mode.	IPv4/IPv6/IPv4&IPv6	—
IPv4 Settings	Displays information about IPv4 settings.	–IP Address*2 –Subnet Mask*2 –Default Gateway*2 –DNS*2	—
IPv6 Settings	Displays information about IPv6 settings.	–IP Address*3 –Prefix*3 –Default Gateway*3 –DNS*3	—
MAC Address	Displays the MAC address of the telephone.	—	—
LLDP	Displays the LLDP status.	On/Off	—
VLAN	Displays the VLAN ID and priority.	—	—
Silent	Displays the Silent status.	On/Off	—

*1 If you select this item and press **OK**, the phone number of the selected line is displayed.

*2 If this item is not set, “0.0.0.0” is displayed. If the telephone is not connected to the network, “...” is displayed.

*3 If this item is not set, “0::0” is displayed. If the telephone is not connected to the network, “:.” is displayed.

Network Settings

Sub Item	Description	Setting	Default
IP Mode Select	Changes the network settings of the telephone. Current settings are displayed as a highlight.	–IPv4 –IPv6 –IPv4&IPv6	IPv4
IPv4 Settings	Specifies the IPv4 settings.	<input type="checkbox"/> DHCP <input type="checkbox"/> Auto <input type="checkbox"/> Manual –DNS 1 –DNS 2 <input type="checkbox"/> Static –IP Address –Subnet Mask –Default Gateway –DNS 1 –DNS 2	DHCP–Auto

Sub Item	Description	Setting	Default
IPv6 Settings	Specifies the IPv6 settings.	<input type="checkbox"/> DHCP <input type="checkbox"/> Auto <input type="checkbox"/> Manual –DNS 1 –DNS 2 <input type="checkbox"/> RA –DNS 1 –DNS 2 <input type="checkbox"/> Static –IP Address –Prefix –Default Gateway –DNS 1 –DNS 2	DHCP–Auto
LLDP	Specifies the LLDP settings.	<input type="checkbox"/> PC Port –VLAN ID –Priority <input type="checkbox"/> On <input type="checkbox"/> Off	VLAN ID: 0 Priority: 0 On
VLAN	Specifies the VLAN settings.	<input type="checkbox"/> Enable VLAN <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> IP Phone –VLAN ID –Priority <input type="checkbox"/> PC –VLAN ID –Priority	Enable VLAN: No IP Phone: –VLAN ID: 2 –Priority: 7 PC –VLAN ID: 1 –Priority: 0
Link Speed	Specifies the Ethernet PHY mode settings.	<input type="checkbox"/> IP Phone <input type="checkbox"/> Auto <input type="checkbox"/> 100M/Full <input type="checkbox"/> 100M/Half <input type="checkbox"/> 10M/Full <input type="checkbox"/> 10M/Half <input type="checkbox"/> PC <input type="checkbox"/> Auto <input type="checkbox"/> 100M/Full <input type="checkbox"/> 100M/Half <input type="checkbox"/> 10M/Full <input type="checkbox"/> 10M/Half	Auto

System Settings

Sub Item	Description	Setting	Default
Authentication	Specifies the ID and password for HTTP authentication.	–ID* ¹ –Password* ¹	Not stored

Appendix

Sub Item	Description	Setting	Default
Xsi Setting* ²	Specifies the ID and password for the Xsi service.	Line 1–2 –ID* ¹ –Password* ¹	Not stored
UC Setting* ²	Specifies the ID and password for the Broadsoft UC service (IM&P).	–ID* ¹ –Password* ¹	Not stored
Factory Reset	Returns the phone to its factory default settings.	<input type="checkbox"/> Yes <input type="checkbox"/> No	No

*1 Max. 128 characters

*2 This item is displayed only when the feature is enabled. Contact your administrator for further information.

Specifications

Item	Specifications
Power Supply	AC adaptor / PoE (IEEE 802.3af)
Power Consumption	PoE Stand-by: approx. 2.2 W (ECO mode off), approx. 1.9 W (ECO mode on) Talking: approx. 2.3 W (ECO mode off), approx. 2.0 W (ECO mode on) AC Adaptor Stand-by: approx. 2.0 W (ECO mode off), approx. 1.3 W (ECO mode on) Talking: approx. 2.1 W (ECO mode off), approx. 1.4 W (ECO mode on)
Maximum Power Consumption	Approx. 2.8 W
Operating Environment	0 °C to 40 °C
Ethernet Port	LAN: 1 (RJ45), PC: 1 (RJ45)
Ethernet Interface	10Base-T/100Base-TX (Auto / 100MB-FULL / 100MB-HALF / 10MB-FULL / 10MB-HALF) Auto MDI / MDIX
Wideband Codec	G.722
Narrowband Codec	G.711a-law / G.711 μ -law / G.729a
Multiple Line	2
LCD Display	Monochrome graphical
LCD Size	132 × 64 pixels, 4 lines
LCD Backlight	3 levels (Always On/Automatic/Always Off)
VoIP Connection Method	SIP
Speaker	1
Microphone	1
Headset Jack	1 (RJ9)
Dimensions (Width × Depth × Height; stand attached)	"High" position: 167 mm × 165 mm × 148 mm "Low" position: 167 mm × 173 mm × 115 mm
Weight (with handset, handset cord and stand)	691 g

Troubleshooting

Common Issues and Solutions

General Use

Issue	Possible Cause	Solution
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.
The display is not shown well.	The display's contrast is too low.	Adjust the display's contrast.
The unit is not performing properly.	Cables or cords are not connected properly.	Check all connections.
	Your connection settings are incorrect.	<ul style="list-style-type: none"> ● Consult your administrator to confirm that your settings are correct. ● If the problem persists, consult your dealer.
	An error has occurred.	Restart the unit.
I cannot hear a dial tone.	—	Confirm that the LAN cable is properly connected.
I cannot cancel the phonebook lock.	The password you entered was incorrect.	Enter the correct password.
I forgot my password.	—	Consult your administrator or dealer.
The date and time are not correct.	—	Adjust the date and time of the unit.
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.

Making and Receiving Calls

Issue	Possible Cause	Solution
I cannot make calls.	The phone number was entered incorrectly.	<ul style="list-style-type: none"> ● Confirm that you have entered the phone number of the other party correctly. ● Consult your administrator or dealer.
	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.

Issue	Possible Cause	Solution
	The phonebook list is being imported or exported.	<ul style="list-style-type: none"> ● 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 is turned off.	Press the [+] volume key while a call is being received, or change the ringer volume setting.
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
The other party cannot hear my voice.	The unit is muted.	Press  to turn off the mute feature.
	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.
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.	<ul style="list-style-type: none"> ● Do not use the unit within 2 m 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.

Appendix

Issue	Possible Cause	Solution
	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.

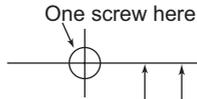
Phonebook List

Issue	Possible Cause	Solution
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 500.

Error Messages

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

Error Message	Possible Cause	Solution
Error:001 Check LAN cable.	The LAN cable is not connected.	Check all connections.
Error:002 IP Address Collision	The unit's network settings are incorrect.	Consult your system administrator or dealer.
Error:002 IP Address		
Error:003 Not Registered	Failed to register to SIP server.	Consult your system administrator or dealer.
Memory Full	The Phonebook is full and cannot store the new item.	Remove unnecessary data in the Phonebook and try again.
No Entries	When trying to view the Phonebook: No items have been stored. See "Storing an Item in the Local Phonebook", Page 29. When trying to view the Missed, Incoming, or Outgoing Call Log: No logs have been stored.	
Need Repair	Device fault.	Contact your phone system dealer/ service provider.
Phonebook Error	The memory became full during a phonebook download.	<ul style="list-style-type: none"> ● Remove unnecessary data in the phonebook, or consult your administrator regarding the number of items being downloaded. ● This message disappears if you access the phonebook.

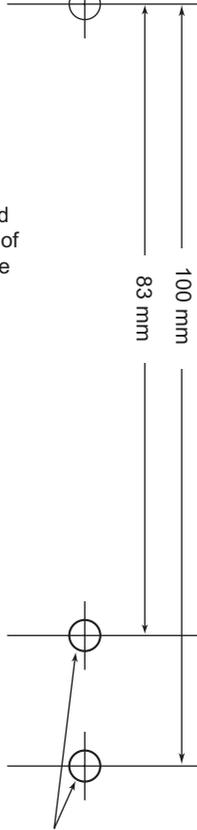


WALL MOUNTING TEMPLATE

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

Note:

Make sure to set the print size to correspond with the size of this page. If the dimensions of the paper output still deviate slightly from the measurements indicated here, use the measurements indicated here.



One screw at either point

