

# SMT-i6020/6021

## User Guide

The purpose of Safety Concerns is to ensure users' safety and to prevent property losses.  
Please read this document carefully for proper use.

The Samsung logo, consisting of the word "SAMSUNG" in white, uppercase letters inside a black, horizontally-oriented oval.

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# SAFETY CONCERNS

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The purpose of the Safety Concerns section is to ensure the safety of users and prevent property damage. Please read this document carefully for proper use.

## Conventions



### **Warning**

Provides information or instructions that you should follow in order to avoid personal injury or fatality.



### **Caution**

Provides information or instructions that you should follow in order to avoid a service failure or damage to your phone.



### **Note**

Indicates additional information for reference.



### **Checks**

Provides the operator with checkpoints for stable system operation.

## Symbols



### **Caution**

Indication of a general caution



### **Restriction**

Indication for prohibiting an action for a product



### **Instruction**

Indication for commanding a specifically required action



## WARNING

### Power



Do not use damaged power cord or loose outlets.



Do not pull or bend the cord by force, and do not touch the power plug with wet hand.



When the phone is out of use for a long time, leave the plug pulled out of the outlet.



For the power connection port of the phone, use the provided optional power adapter. Use of a power adapter that does not meet the specifications may cause the product to become damaged, to overheat, or to explode.



If there is dirt or moisture on the pin contact surface of a power plug, pull out the plug and wipe it away with a cloth. If dirt or moisture remains on the product even after wiping, contact the service center.



If an abnormal sound, smell or smoke is emitted from the phone, pull out the power plug immediately, and then contact the service center.

### Installation/Maintenance



Do not place the phone in a location with a lot of dust, in a location that is subject to severe changes in temperature, or near a heating device (cigarette heat, heater, etc.)



Do not use or store flammable spray or materials near the phone.



Do not place objects containing water such as vases, flowerpots, cups, cosmetics, or medicines near your phone. Humidity or liquid may damage the parts and circuits of this product.



## CAUTION

### Power



Do not power off the phone while upgrading a program.

### General



The LAN cable to the network should be connected to the LAN port of a phone, NOT to the PC connection port.



Do not place a heavy object on top of the phone.



Do not drop the product or apply impact on the product. It may damage product screen or exterior and its internal parts.



Do not install the phone under direct sunlight.



Safety is not guaranteed if expendable items or additional goods are used unauthorized by Samsung.



Do not attempt to disassemble, fix, or rebuild the phone yourself.



Use a soft and dry cloth when cleaning the phone. Do not spray water directly onto the product; and do not use chemicals such as wax, benzene, alcohol, thinner, mosquito killer, perfume spray, lubricant, detergent, etc.



Listening with a headset or earphone at high volume may damage your hearing.

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# BEFORE USE

## Checking Parts in the Package



Phone Body



Handset



Phone Cradle



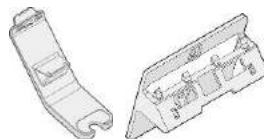
Quick Guide



LAN Cable



Power Adaptor  
(option)



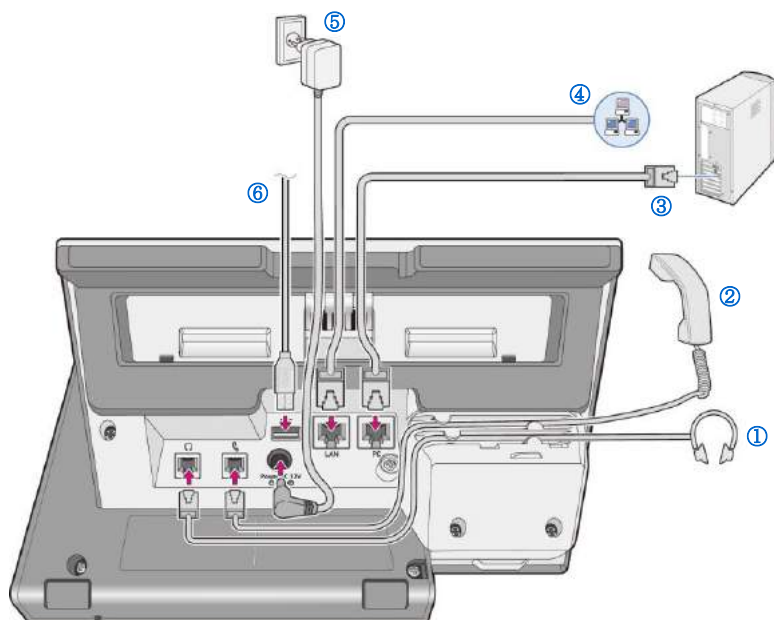
Wall-Mount Bracket (option)



- If any components are damaged or missing, contact the dealer.
- The Power Adaptor and Wall-Mount Bracket are options. If necessary, contact the dealer.

# Phone Installation

## Connection to Back Ports



1

If a headset is used, connect it to the **headset port**.

2

Connect a handset to the **handset port** of the phone.

3

Connect one end of the PC connection LAN cable, which was provided with the phone, to the PC connection port of the phone.  
Connect the other end to the PC network port.

4

**Connect the LAN cable connected to the network to the LAN connection port of the phone.**

- When power is supplied from the LAN port (PoE), the phone is booted upon LAN connection.

5

If PoE is not supported, connect the power adapter to the **power connection port**. When the plug of the connected power adapter is plugged into the outlet, the phone is booted up. (The power adapter is purchased separately.)

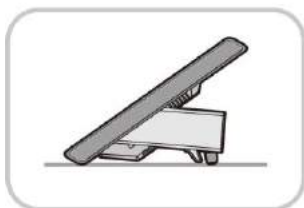
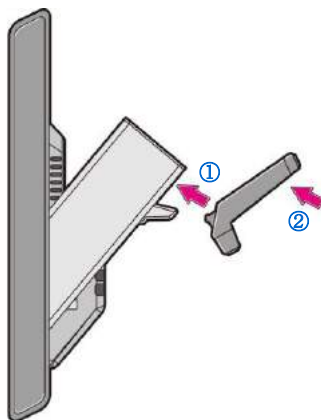
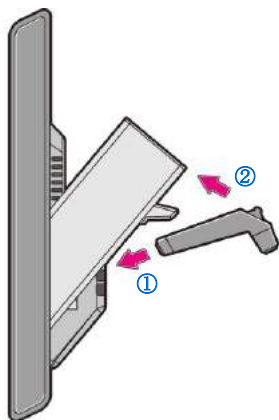
- When connecting the power cable, make it go through the center hole of phone cradle.

6

If a USB is used, connect a USB to the USB connection port.

## Assembling the Cradle for Desk

The installation angle of a phone can be changed depending on the assembly direction of the cradle.



- 1 Fix one latch of the cradle to the top or bottom groove of the phone.
- 2 Push the remaining latch into the remaining groove on the opposite side.
- 3 Place the phone on the installation location and check whether it shakes.

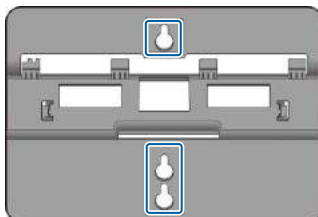
## Assembling the Wall-Mount Bracket (option)

Assemble the wall-mount bracket where you want to use the phone.

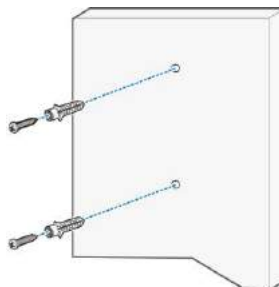
The wall-mount bracket is an optional item. If necessary, please contact your dealer.

- 1 Place the wall mount bracket installed on the wall, and mark two screw holes and drill it.

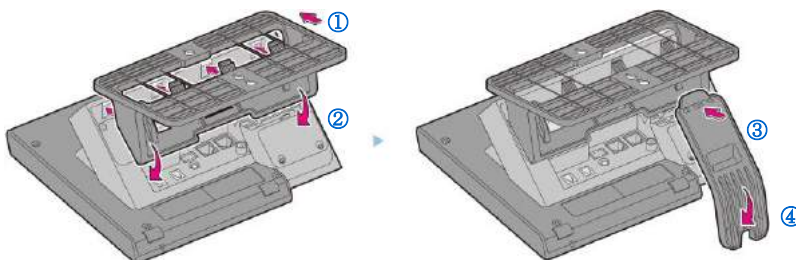
- Use one of two bottom holes.



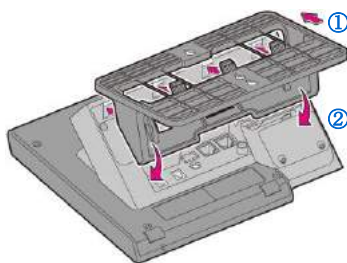
- 2 Insert the 2 plastic anchors in a hole in the wall with mallet, and fix with enclosed screws.



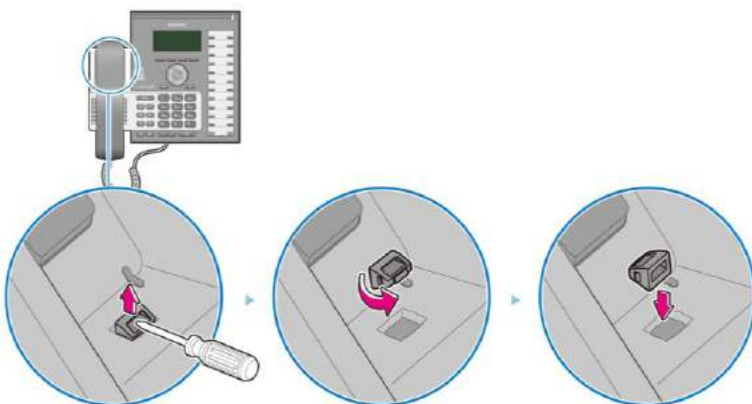
- 3 Handset bracket and wall mount bracket are fixed to the body as shown below for the order.



- 4 Insert the wall-mount bracket as shown in the figure.



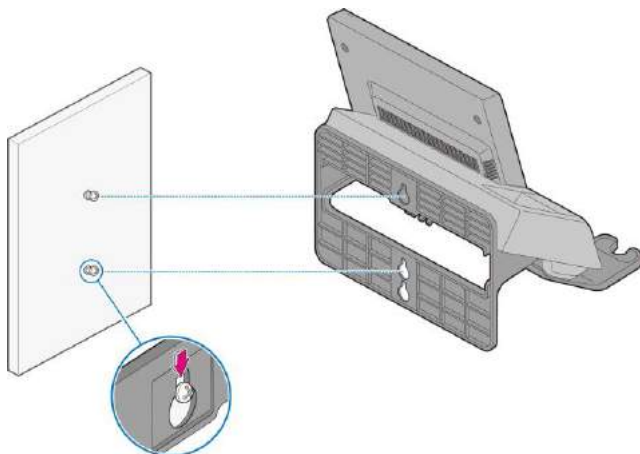
- 5 Extract hanger part which placing the handset in the body with a flat-blade screw driver and re-insert it a 180 degree turn.  
- This prevents the handset falling.





6

Attach to match wall mount bracket hole and screws, and pull down to make sure firmly fixed.



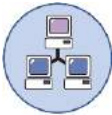
BEFORE USE

# THINGS YOU SHOULD KNOW

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## Key Functions

### IP Network



The SMT-i6020/6021 phone enables voice telecommunication through an already-installed data network, without requiring the installation of an additional telephone line. Therefore, it does not require the additional expense of maintaining telephone numbers, and can save on telephone costs for the businesses, and people, that use international phone calls frequently.

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### Bluetooth Headset



A user can talk to a counterpart by connecting a wireless Bluetooth headset to the phone.

---

### Bluetooth Smart Phone Mode



Connect the phone and a smartphone via Bluetooth, then you can use the phone to take the call received to the smartphone and you can also use the call move function.

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### Call Park



If you must interrupt a call, you can put the call on hold or transfer it to another person using the Call Park or Call transferring function.

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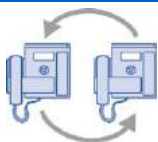
### Conference



During a call, you can have a conference call with others by pressing the **[Conference]** button.

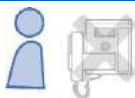
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## Call Forward



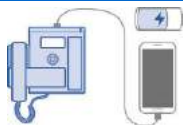
A call can be forwarded to another number when the call cannot be received.

## DND



If this function is selected, the phone does not ring even when a call is placed to the phone.

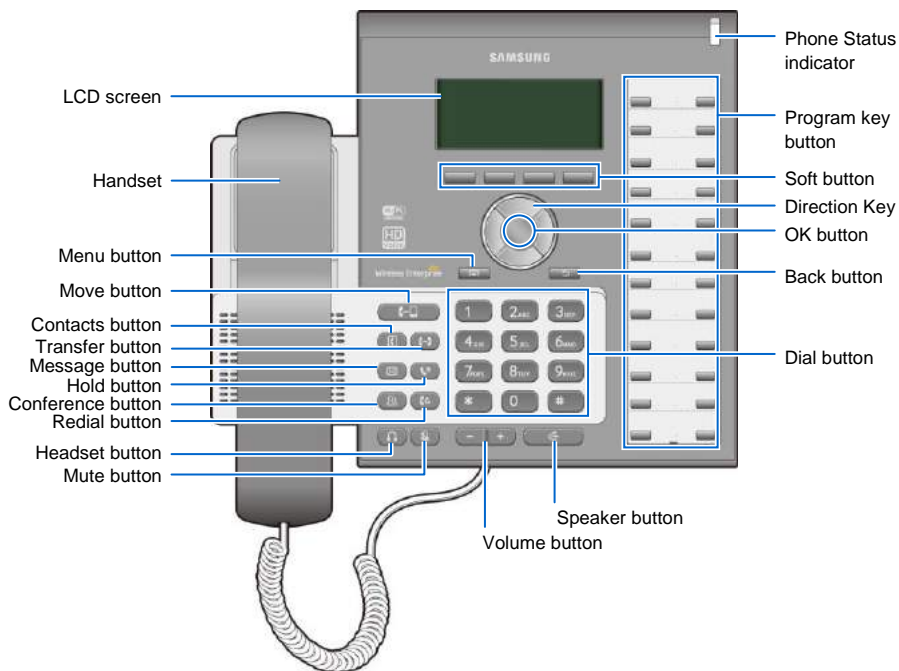
## USB Charging



With a phone to which a power adaptor is connected, you can use the USB charging function. (When PoE is connected, the USB charging function is not available during call.)

# Part Names and Functions

## Front Configuration



The color or image of the product in this manual may be different from the actual ones.



Handset placing part contains magnetic material to hold handset, so do not leave things which should not receive the influence of the magnetic material.

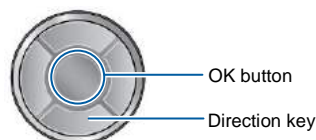
## Name and Function

Button	Function
<b>Phone Status Indicator</b>	A LED shows the phone status (busy, ringing, receiving an internal message, etc.).
<b>Soft button</b>	This button is used to select desired function from the menus displayed on the LCD screen.
<b>Direction key</b>	This button is used to edit the contents on the screen or move between menu items.
<b>OK button</b>	This button is used to select/save an item where a cursor is located in the menu status or to check the caller information from an outbound line while receiving an incoming call.
<b>Back button</b>	This button moves to a previous item.
<b>Menu button</b>	This button displays menu items.
<b>Headset button</b>	This button is used to talk using a headset
<b>Volume button</b>	This button is used to control the volume of the handset, speaker, key tone, etc.
<b>Mute button</b>	This button silences the voice of the user to the called party.
<b>Speaker button</b>	This button is used to converse via a speaker phone instead of a handset.
<b>Dial button</b>	This button is used to enter numbers and characters.
<b>Program key button</b>	You can assign a frequently used function to each button. When you press a specified button, the assigned function is executed. For details about how to set this function, contact the administrator.
<b>Conference button</b>	This button is used to make a conference call by calling other subscribers during call.
<b>Message button</b>	This button displays the message menu.
<b>Contacts button</b>	This button displays the contact menu.
<b>Hold button</b>	This button is used to hold a call temporary without hanging up.
<b>Transfer button</b>	This button is used to transfer a call to someone else.
<b>Move button</b>	If a UE is connected to a smartphone via FMC subscriber, NFC or Bluetooth (smartphone mode), a call can be switched between connected devices using the Move button.
<b>Redial button</b>	This button is used to call a previous number.

Button	Function
<b>LCD screen</b>	<p>The configuration of LCD screen is as follows:</p> <ul style="list-style-type: none"> <li>- On the top of the screen, the icons representing phone function settings are displayed.</li> <li>- On the main screen, selectable menus, the call processing status, or various messages are displayed.</li> <li>- On the bottom of the screen, soft menus are displayed.</li> </ul>
<b>Handset</b>	Handset transfers the caller's voice.

## Navigation button

The i6020/6021 phone has navigation buttons that allow users to use its functions easily.



Button		Function
Navigation	Direction key	This button is used to edit the contents on the screen or move between menu items.
	OK	<ul style="list-style-type: none"> <li>- This button is used to select or save the item where a cursor is placed in a menu mode.</li> <li>- This button is used to check the caller information received from an outbound line during receiving.</li> </ul>

# Phone Information Display

## Phone Status Indicator

Indicator light is turned on or off depending on the phone status.



Situation	Indicator status
<b>In a call</b>	Red indicator light stays on.
<b>When there is an incoming ringing</b>	Red indicator light blinks.
<b>When a voice message is left</b>	Red indicator light blinks.










## LED Indicator

The below button LED is turned on or off depending on status.

Button LED	LED Status	Description
<b>Speaker</b>	Red indicator light turns on	When a speaker phone is used.
<b>Mute</b>	Red indicator light turns on	When all voice sending is blocked.
<b>Headset</b>	Red indicator light turns on	When a call is made via a headset.
<b>Program Key</b>	Blinks fast in red (0.3 sec.)	When the user is receiving an incoming call.
	Blinks slowly in red (2 sec.)	When the user is on hold.
	Red indicator light turns on	A user is busy or the corresponding function is enabled

## Phone Status Icons

Icon shows the phone setting status, being displayed on the right top side.

Icon	Description
	Signal intensity of wireless network
	Types of headset in use (general/EHS/Bluetooth)
	Bluetooth headset
	Bluetooth mobile phone
	Smart phone connection status
	AOM connection status (Galaxy Tab 10.1)
	Call Transfer status
	DND status
	Lock status



# Supplementary Functions Menu

Supplementary functions menu is a user convenience function available per phone conditions.

It is provided via interworking with the system, and displayed as a menu on the right side of a screen.

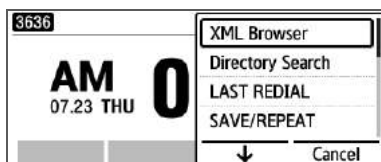


Supplementary functions menu varies depending on system version.

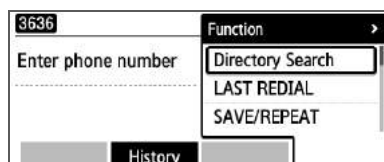
## Usage of Supplementary Functions Menu

While pressing the **[Function]** soft button at the bottom of screen, press the right selection button of the menu you want to use.

### Supplementary Functions Menu of Waiting Screen



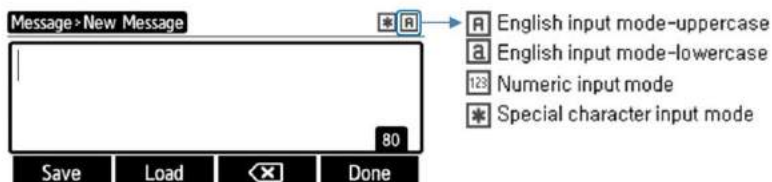
### Supplementary Functions Menu of Communication Status



# Text Input Method

Using the dial buttons and navigation buttons on the phone, the user can easily enter or modify the Korean, English, numbers, and special characters.

- 1 Whenever the user presses the dial button [\*] on a text input screen, the input mode is changed in sequence. The input mode status is displayed as an icon in the status area of the top-right corner of the LCD.



- 2 Alphabet and numbers can be input using the dial buttons.  
- Inputting special characters: Press the [\*] button to select the special character input mode, and select characters using the navigation button to input or modify them.

Navigation button



Dial button



# BASIC FUNCTIONS

## Easy Installation

In the phone initialization status, a user can easily register to the system.



If incorrect information is entered during easy installation, the phone may not be properly registered or there may be a network fault. Make sure to enter the information provided by the system administrator.

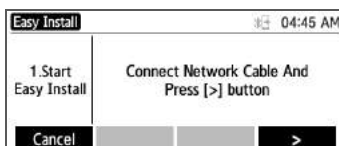
The SMT-i6020/6021 phone supports 3 types of phone registration.

Settings	Description
<b>General</b>	<p>A user directly enters the system information and phone registration information for registration.</p> <ul style="list-style-type: none"> <li>- SIP server information</li> <li>- SIP registration information</li> <li>- Time server information</li> </ul>
<b>Server</b>	<p>A phone is registered by using the information from the environment server.</p>
<b>PnP (Plug &amp; Play)</b>	<p>A phone is automatically registered if the system supports PnP.</p> <ul style="list-style-type: none"> <li>- To use the PnP function, a system administrator must configure an environment for PnP in advance. Contact the administrator to check whether the PnP environment is configured.</li> </ul>

1


When the power is connected during initialization status, the **[Easy Install]** soft menu is displayed at the bottom of screen. Start easy installation by pressing the **[Easy Install]** soft button.

- In the phone initialization status, the default language is English.



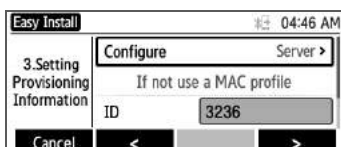
- 2 After selecting a language to use for the phone, press the **[>]** soft button.

- When the phone is connected to the system after easy installation, the language may be changed depending on the administrator's settings.



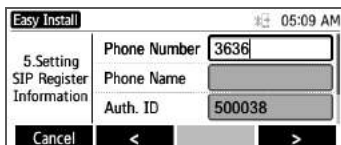
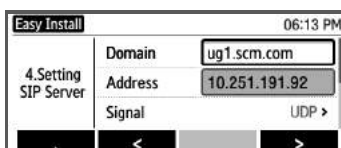
- 3 After selecting the setup method, press the **[Next]** soft button. Depending on the selected setup method, the easy installation step is changed.

- Select one of **Standard/Server/PnP**.



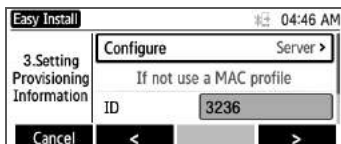
- 4 When the setup method is **[Standard]**

- Setting SIP server: Enter the SIP server information.
- Setting SIP register Information: Enter the phone registration information.
- Setting Time Server: Enter the address and update interval of time server.



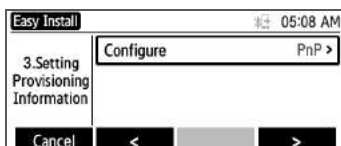
When the setup method is **[Server]**

- An ID or password is not required for phone registration using a MAC address.
- Contact the system administrator about whether to use an ID or password and regarding environment server address.



When the setup method is **[PnP]**

- If the setup method is PnP, the network connection type is fixed to DHCP and network setup step is omitted.



Press **[Next]** soft button.



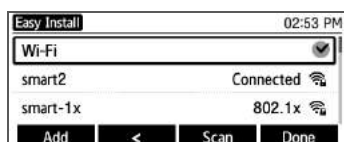
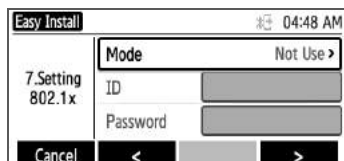
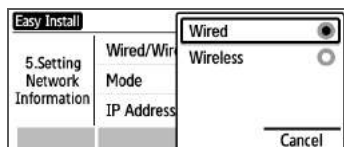
**[Wireless]** function is supported SMT-i6021 only.

5

Enter the network information.

When the setup method is **[Wired]**

- Select one out of DHCP/Static/PPPoE.
- Make sure to contact the system administrator because network connection may be failed if incorrect information is entered.



When the setup method is **[Wireless]**

- When Wi-Fi is selected, nearby APs are automatically searched.
- Wi-Fi is working properly when the AC adaptor is connected.
- After selecting an AP to connect in the searched list, connect to it in the STATIC or DHCP mode.

6

Enter the VLAN information.

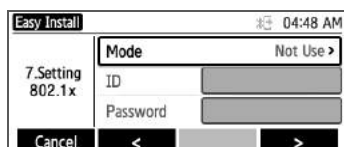
- Make sure to contact the system administrator because network connection may be failed if incorrect information is entered.



7

Enter the 802.1x information and press the **[>]** soft button.

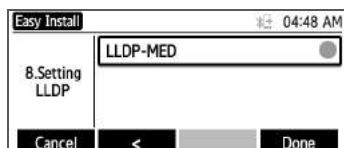
- Make sure to contact the system administrator because network connection may be failed if incorrect information is entered.



8

After configuring LLDP, Complete easy installation by pressing the **[Done]** soft button, then the phone is restarted.

- To modify already entered information, press the **[<]** soft button.



# Dialing

This section describes how to make a call to an extension number or outbound number.



An extension line is the telephone line through which a call can be placed to another internal phone connected to the system of the office.

An outbound line is the telephone line where the user can make or receive a call to/from outside (e.g. home), which is directly connected to the switching system of a central office.

## Dialing an Extension Number

1

Pick up the handset, check whether the dial tone is audible, and then press the extension number.



2

When you press the extension number, you can hear a call connection tone.

3

If the other party receives the call, begin the conversation.



## Dialing a Outbound Call

1

Pick up the handset, and check whether the dial tone is audible.



2

Press a key specified by the manufacturer to make an outbound call (e.g. '9')



3

When you dial a number, you can hear a call connection tone.

4

If the other party receives the call, begin the conversation.



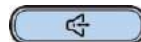
NOTE

As the outbound call number may vary per system, contact the system administrator.

## Dialing via Speaker Phone

1

Press the **[Speaker]** button without picking up a handset.



2

Press a phone number, then you can hear a call connection tone.

3

Start the conversation when the other party answers the phone.

- If the handset is picked during a call, the speaker is turned off, and the conversation can be continued through the handset.

4

When a call ends, press the **[Speaker]** button again.

- If a handset is being used, hang up.



## Dialing the Last Call Number

1

When you press the **[Log]** soft button at the bottom of waiting screen, the recent call log is displayed.

2

Move to a phone number you want by using the navigation button.

And press the **[Call]** soft button, then a call is made to the selected number.



# Answering Incoming Calls

This section describes how to answer a call.

## Receiving a Call via the Handset

- 1 Pick up the handset when a phone rings.



- 2 Converse with the counterpart.

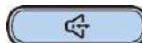


- 3 Hang up the handset when the call ends.



## Receiving a Call via Speaker Phone

- 1 When the phone rings, press the **[Speaker]** button.



- 2 Converse with the counterpart.

- If the handset is picked during a call, the speaker is turned off, and the conversation can be continued through the handset.

- 3 When a call ends, press the **[Speaker]** button again.



# Functions Available during Call

The functions below are convenient to use while making a call via an extension or outbound line.

## Call Park

A call can be held temporarily to make the caller wait, and then the conversation can be continued when convenient.



Operation may vary depending on your system. For more information, contact your system manager.

1

To hold the current call, press the **[Hold]** button during call.



2

The 'Hold' message is displayed.

- If **Speaker mode**, waiting screen is displayed.
- The call can be resumed by pressing the **[Program key]** → **[Resume]** soft button again.

## Mute

This function is used to silence the user's voice during a call via an extension line, but the user can still hear the voice of the other party.

1

To block your voice during call, press the **[Mute]** button.

- Now the counterpart cannot hear your voice.
- The LED of **[Mute]** button is turned on.



2

When you press the **[Mute]** button again, the function is cleared.



## Call Transfer

A current call can be transferred to another extension or outbound line's subscriber.

1

To transfer a call, press the **[Transfer]** button.



2

After hearing a dial tone, dial the phone numbers of the other conference participants.

- If you need to transfer a call to a phone number in an outbound line, enter the outbound call number first and then enter the phone number.

3

When a ring back tone is heard from the other subscriber, put down the handset.

- Alternately, wait until the called party receives the call, and then hang up the phone after telling him/her about it.



**If the subscriber who received a transferred call is busy or does not receive the call:**

To return to the original call, press the **[cancel]** button. Then you can retry by press the **[Transfer]** button again to retry, or, return to the existing call by pressing the **[Hold]** button.

# Conference Function

During a call, other subscribers of extension line can be invited to participate in a conference call.

1 Press the **[Conference]** button during a call.

- If the system does not support the conference function, the conference call is not available.



2 After hearing a dial tone, dial the phone numbers of the other conference participants.

3 When a call is connected, start to talk by pressing the **[Conference]** button.

- You can add a subscriber in the same manner during conference call. (To know the maximum number of conference participants, contact the system administrator.)



If this function does not work properly, contact the system administrator.

## Details (Premium CID)

Displays the counterpart's information on the screen during communication.

When the information is received, the counterpart's detail information is displayed on the screen.

Premium CID	
Name	SMT-i5243
JobTitle	Engineer
Company	Samsung Elec.
Department	WE CM Lab.
Close	



If system does not support, this function does not work. Contact you system manager.

## Call Move

You can move a call back and forth between the IP phone and mobile phone.

When IP phone is connected with smart phone's bluetooth headset, a call can be transferred from IP phone to smart phone using system function and bluetooth function.

- 1 Go to **[Menu]** → **[Settings]** → **[Bluetooth & Headset]** → After setting the **[Bluetooth Mode]** to the smartphone, connect your smartphone to the IP phone.

- For more information about how to setup, refer to the 'Bluetooth & Headset' part of this manual.

- 2 During communication using the IP phone, if you press the **[Move]** button, you can still talk through the smartphone.

- Operation may vary depending on call type.

- 3 During communication using the smartphone, if you press the **[Headset]** button, you can still talk through the IP phone.

- Operation may vary depending on smart



This function is supported for 6021 model only.

# Volume Control

The user can adjust the volume of a handset, speaker and tone sound.

## Volume Control of a Handset

- 1 The user can adjust the volume in the following way while making a call via a handset.



- 2 To increase the volume of a handset, press the (+) of the **[Volume]** button.



- 3 To decrease the volume, press the (-) of the **[Volume]** button.



## Volume Control of a Speaker

- 1 The user can adjust the volume of a speaker in the following way while calling.

- 2 To increase the speaker volume, press the (+) of the **[Volume]** button.



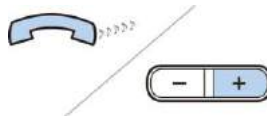
- 3 To decrease the speaker volume, press the (-) of the **[Volume]** button.



## Volume Control of Ringing Sound

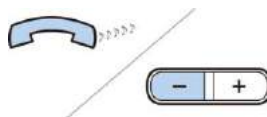
1

To increase the volume of the ringtone, press (+) of the **[Volume]** button while the bell is ringing.



2

To decrease the volume of the ringtone, press the (-) of the **[Volume]** button while the bell is ringing.



By pressing the **[Volume]** button in standby mode, the user can also adjust the key tone volume.

# HOW TO USE MENUS

This section describes menu functions. Call, phone, and setup are displayed as a menu.

## Menu Structure

Clicking the **[Menu]** soft button when a phone is in standby mode displays menus on a screen. The desired menu can be selected by using the navigation button or the selection button on the right side of screen or the soft button at the bottom of screen.



Function with mark(\*) may vary or does not supported depending on your system.

Menu	Sub-menus	Function
<b>Contacts</b>	-	This function provides save, search and registering function of the phone address book. You can search for a user registered in the directory server.
<b>History</b>	-	You can check the recent outgoing/incoming history.
<b>Message</b>	-	You can write and save a message.
<b>Language</b>	-	You can search and use the information provided from the browser server.
<b>Call Service</b>	<b>Auto Answer</b>	You can set up system service.
	<b>Call Waiting</b>	You can set up the Call forward/DND function
	<b>Absence</b>	If you can not answer a call, system sends a announcement.
	<b>Outbound Call Lock</b>	You can set up Outbound call lock.
	<b>Wake-Up Call</b>	The subscriber's phone rings at a wake-up time specified by the subscriber.
	<b>Call Forward</b>	When a call is received, the call is forwarded to a specific number.
	<b>DND</b>	You can set up DND function.



Menu	Sub-menus	Function
	<b>Follow Me</b>	If you cannot receive a call because you are away from the deskphone temporarily, you can forward a call to another phone.
<b>Settings</b>	<b>Sound</b>	You can select various bell sounds and button sounds and adjust the sound volume.
	<b>Screen</b>	You can change date, time, font, LCD power.
	<b>Security</b>	You can change the password, and lock the phone, so that other people cannot use their phone.
	<b>Bluetooth &amp; Headset</b>	You can set up a headset.
	<b>News &amp; Notice</b>	You can check news and notice.
	<b>Program Key</b>	You can set and view program key
	<b>Line Display Name</b>	You can set up Line Display Name
	<b>Time Zone</b>	You can set up phone's time zone
	<b>Clear User Settings</b>	You can initialize user settings.
	<b>Phone Information</b>	You can view phone version information.
	<b>Network Information</b>	You can check phone's network information.
	<b>Deskphone Manager</b>	You can check registered external devices and enable or disable them.
	<b>Wi-Fi 5G Only Set.</b>	You can enable or disable Wi-Fi 5G Only mode.
	<b>Phone Restart</b>	You can restart phone.
	<b>Administrator</b>	You can use Administrator menus.

# Contacts

## [Phone Contacts]

Using the contacts, the user can easily manage phone numbers, email ID, fax numbers, and photos, etc.

In addition, calls can easily be made using the contacts.

## [Directory Service]

You can search the users registered in the directory server.



The directory service is displayed only when the system supports it.  
For information on the specific server, contact the server administrator.

You can view the phone number saved in the contacts.

- 1 Select **[Menu] → [Contacts]**.  
And select a group you want.

Contacts > All (1/2)		04:50 AM
ABC		
DEF		
Groups   Search   Edit Mode		

- 2 The list of saved phone numbers is displayed.  
When you select a target and press the **[OK]** button, the detail information is displayed.

- **[Call]**: You can make a call to the selected phone number.

Contacts > Details		04:50 AM	
Name	ABC		
Company Number	1234		
Group	Unassigned		
Call	Message	Delete	Edit

## Search Phone Number

You can search a phone number saved in the contacts by using a name or number.

- 1 Press the **[Menu]** → **[Contacts]** → **[Search]** soft button.

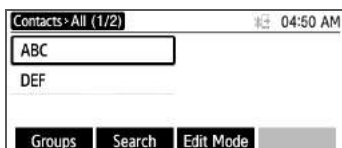
- 2 Enter a name or phone number and press **[OK]** button to display a list of the searched phone numbers.
  - You can search the number by entering just a part of the name to search.
  - After selecting a name in the search list, press the **[OK]** button. Then, the detail information of phone number is displayed.



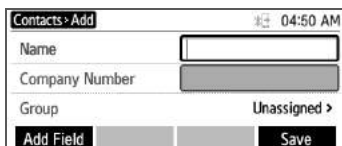
## Adding a Phone Number

The phone numbers of up to 300 people can be saved.

- 1 Press the **[Menu]** → **[Contacts]** → **[New]** soft button.



- 2 Enter the name and phone number information, etc. and press the **[Save]** soft button.
  - You can set up the numbers (company, mobile phone, home, fax, others), e-mail, memo, bell sound, buddy ID and register photos.



## Editing Contacts

You can edit a phone number registered in the contacts.

- 1 Press the **[Menu]** → **[Contacts]** → **[Search]**, select a phone number to edit, **[OK]** → **[Edit]** soft button.

- 2 Enter the modified information and press the **[Save]** soft button.

## Deleting Phone Number

You can delete a phone number registered in the contacts.

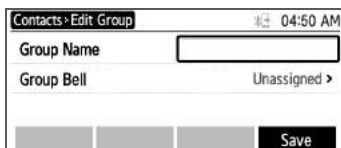
- 1 Go to **[Menu]** → **[Contacts]**, Select a group, press **[Option]**, select a phone number to delete and press the **[Del]** soft button.

- 2 Click the **[Delete]** soft button to delete the phone number.

## Add Group

This is the function used to add a new group.

- 1 Press the **[Menu]** → **[Contacts]** → **[Option]** → **[New]** soft button.



- 2 Enter a new group name and press the **[Save]** soft button.

## Delete Group

This is the function used to delete an existing group.

- 1 Go to **[Menu]** → **[Contacts]** → **[Option]** → select a group to delete and press the **[Del.]** soft button.

- 2 Click the **[Yes]** soft button to delete the phone number.  
- The members of the deleted group are moved to the unspecified group.

# History

The recently incoming/outgoing calls, incoming calls during absence are displayed. Up to 300 records can be saved.

Select **[Menu]** → **[History]**. You can move to Total, Outgoing, Incoming, Absence number list.

- **[All]**: You can check recent incoming/outgoing call and message.
- **[Inbox]**: You can check recent incoming call and message.
- **[Outbox]**: You can check recent outgoing call and message.
- **[Missed]**: You can check recent absent call.
- **[Message]**: You can check recent in/out message.
- If you select phone number using navigation key, and push **[OK]** button, you can view detail information.

# Message

You can manage voice messages by connecting to the Voicemail Box. You can also send and receive text messages and save a created message temporarily

## Voice Message

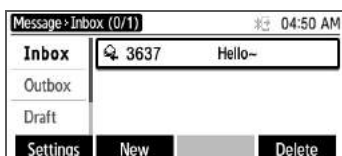
You can save or check a voice message.

Select **[Menu]** → **[Message]** → **[Voice Message]**, then you can go to the Voicemail Box. Check voice messages by following instructions.

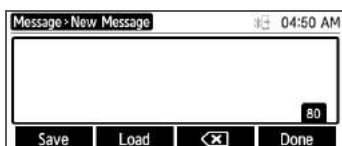
## Creating a Message

This is the function used to create and save a message to send.

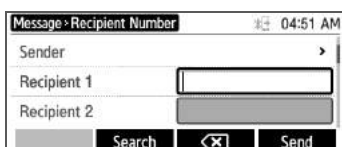
- 1 Press the **[Menu]** → **[Message]** → **[New]** soft button.



- 2 After creating a message, specify a recipient by pressing the **[OK]** button at the right.
  - **[Save]**: By pressing the below soft button, you can save a created message into the temporary box.
  - **[Load]**: By pressing the below soft button, you can load message from the temporary box.



- 3 After entering a called number, press the **[Send]** soft button. Then the message is transmitted.
  - **[Search]**: You can search a phone number in the contacts.
  - A message can be sent up to 10 people at a time.



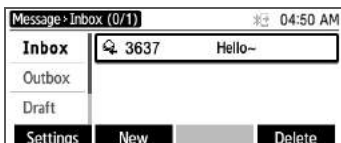


The calling line is subject to charge. A user can change a calling number, but the actual line to be charged can be changed only through the calling line change.

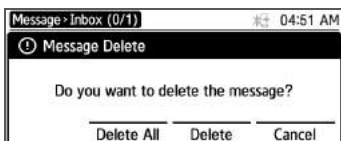
## Received Messages

You can save and check a received message.

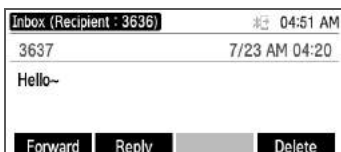
- 1 Select **[Menu] → [Message] → [Short Message] → [Inbox]**.



- 2 The list of received messages is displayed.
  - **[Delete]**: You can delete a selected message.
  - **[Delete All]**: You can delete all the messages.



- 3 To view all message information, select the message and then press **[OK]** button.
  - **[Forward]**: You can forward a message to others by pressing the below soft button.
  - **[Reply]**: You can reply to a counterpart who sent a message.
  - **[Call]**: You can call the person who send the message.
  - **[Delete]**: You can delete a message.





## Sent Messages

You can save and check a sent message.

- 1 Select **[Menu]** → **[Message]** → **[Short Message]** → **[Outbox]**.
- 2 Lists of sent messages are displayed.
  - **[Delete]**: You can delete a selected message.
  - **[Delete All]**: You can delete all the messages.
- 3 To view all message information, select the message and then press **[OK]** button.
  - **[Fwd]**: You can forward a message to others by pressing the below soft button.
  - **[Call]**: You can call the person who send the message.
  - **[Delete]**: You can delete a message.

## Storage Box

This is the function used to save a created message temporarily.

- 1 Select **[Menu]** → **[Message]** → **[Draft]**.
- 2 A temporarily saved message is displayed.
  - **[Delete]**: You can delete a selected message.
  - **[Delete All]**: You can delete all the messages.
- 3 To view all message information, select the message and then press **[OK]** button.
  - **[Forward]**: You can forward a message to others by pressing the below soft button.
  - **[Delete]**: You can delete a message.

# Language

Select **[Menu]** → **[Language]**. You can set language.

After rebooting, phone operates with selected language.



Supported language is vary depending on phone version or system.

# Call Service

You can set up Auto Answer, Call Waiting, absence, outbound call lock, and wake-up call. (The function may vary depending on each system.)

## Auto Answer

- 1 Select **[Menu]** → **[Call Service]** → **[Auto Answer]**.  
- If the auto answer feature is enabled, when there is an incoming call, the speaker will be turned on and the call will be answered automatically.
- 2 Push **[OK]** soft button of popup menu, then auto answer is enabled.  
- You can disable this function in the same way.

## Call Waiting

- 1 Select **[Menu]** → **[Call Service]** → **[Auto Answer]**.  
- When there is an incoming call while the subscriber is already engaged, the subscriber is notified that a call is waiting so that the subscriber can park or end the previous call and pickup the new call.
- 2 Push **[OK]** soft button of popup menu, then auto answer is enabled.  
- You can disable this function in the same way.

## Absense

- 1 Select **[Menu]** → **[Call Service]** → **[Absense]**.  
- If the absense feature is enabled, when there is an incoming call, the call will be answered automatically.
- 2 Push **[OK]** soft button of popup menu, then absence is enabled.  
- You can disable this function in the same way.

## Outbound Call Lock

- 1 Select **[Menu]** → **[Call Service]** → **[Outbound Call Lock]**.  
- This function locks outbound call.

- 2 After enabling this service, and enter password, the outbound call will be blocked.  
Push **[OK]** soft button of popup menu, then this function is enabled.  
- You can disable auto this function in the same way.

## Wakeup Call

- 1 Select **[Menu]** → **[Call Service]** → **[Wakeup Call]**.

- 2 You can set this function with navigation button, and set repeat option.  
- **[Once]**: If you enter month, date, hour, minute, it operates once at that time.  
(example: 06181500 → June 18, pm 3)  
- **[Repeat]**: if you enter only hour, minute, it operate at that time every day. (example: 1502-pm 3:02)

## Call Forward

- 1 Select **[Menu]** → **[Call Service]** → **[Call Forward]**.

- 2 Select Call Forward type.  
- All forward, Busy Forward, No Answer Forward, Unreachable Forward, Group forward, WM Forward.

- 3 Set enable with navigation button, and enter destination number.  
- You can disable this function in the same way.

## DND

- 1 Select **[Menu]** → **[Call Service]** → **[DND]**.

- 2 Push **[Save]** soft button to enable this function.

## Follow Me

- 1 Select **[Menu]** → **[Call Service]** → **[Follow Me]**.

- 2 Enable with navigation button, enter forward number, password, and **[Save]** soft button, you can use this function.  
- You can disable this function in the same way.

# Settings

You can set up screen, sound, language, password and lock and retrieve the phone information.

## Sound

### Volume

Select **[Menu]** → **[Settings]** → **[Sound]** → **[Volume]**.

By pressing the navigation button, you can set the volume of a handset (receiver), speaker, ringtone, key tone, headset, message alert, and alarm respectively.

### Ring Tone

Select **[Menu]** → **[Settings]** → **[Sound]** → **[Ring Tone]**.

You can set up a ringtone.

### Key Tone

Select **[Menu]** → **[Settings]** → **[Sound]** → **[Key Tone]**.

You can set up a key tone.

### Message Tone

Select **[Menu]** → **[Settings]** → **[Sound]** → **[Message Tone]**.

You can set up a message alert sound.

### Bluetooth Ring

Select **[Menu]** → **[Settings]** → **[Sound]** → **[Bluetooth Ring]**.

You can set bluetooth Ring type.



This function is supported on SMT-i6021 model only.

## System Ring Tone

Select **[Menu]** → **[Settings]** → **[Sound]** → **[System Ring Tone]**.

You can set up a system ring tone.

## Screen

### 24-Hour Time

Select **[Menu]** → **[Settings]** → **[Screen]** → **[24-Hour Time]**.

### Time Zone

Select **[Menu]** → **[Settings]** → **[Screen]** → **[Time Zone]**.

You can select **[Auto]** and **[Manual]**

### Font

Select **[Menu]** → **[Settings]** → **[Screen]** → **[Font]**.

You can select font which is displayed on screen.

### LCD Power Saving

Select **[Menu]** → **[Settings]** → **[Screen]** → **[LCD Power Saving]**.

Select the time when the LCD screen will be turned off.

- Always off/Off After 10 sec./Off After 20 sec./User configuration



Changing the default settings for the screen menu may affect the lifetime of the LCD and, therefore, do not change them if possible.

Below are shown the default LCD power Saving settings.

- Screen off: User Configuration (08:00 to 18:00)

### Main Screen Type

Select **[Menu]** → **[Settings]** → **[Screen]** → **[Main Screen Type]**.

You can select display type of Main Screen (Digital Clock/World Time)

## Security

The user can set a password which is then used to set the functions of the phone, and the lock function. This prevents other people from using the phone.

- The default password is **[1234]**.



If yo forget password, contact system manager.

### Change Password

Select **[Menu]** → **[Settings]** → **[Security]** → **[Change Password]**.

You can change a password.

### Phone Lock

Select **[Menu]** → **[Settings]** → **[Security]** → **[Phone]**.



# Bluetooth & Headset

You can set up a function related to the headset and Bluetooth.



This function is supported on SMT-i6021 model only.

## Using Hardware Headset Key

This prevents accidental presses Headset Key which is placed in front side

- 1 Select **[Menu]** → **[Settings]** → **[Bluetooth & Headset]**.
- 2 You can select whether to use the headset button.
  - **[Enable]**: you can use a headset key by pressing the **[Headset]** button when a screen is waiting screen.
  - **[Disable]**: you can not use a headset key when a screen is waiting screen.



This function is not for using a Headset but for IP phone's Headset key.

## Headset Mode

- 1 Select **[Menu]** → **[Setting]** → **[Bluetooth & Headset]** → **[Headset Mode]**.
- 2 You can adjust settings for the headset type to be used in the phone.
  - **[Standard]** You can use general voice call headset.
  - **[Bluetooth]** You can use Bluetooth headset.
  - **[EHS]** You can use EHS type headset.



If you set **[Bluetooth mode]** as **Smartphone**, you can use **[Headset mode]** as **Standard** only. And if you change setting, related setting value may be initialized.

## Bluetooth Mode

SMT-i6021 Phone provides two kind of Bluetooth function.

- **[Headset]**: You can register and use Bluetooth headset to IP Phone.
- **[Smartphone]**: IP Phone works as Bluetooth Headset of smart phone.  
In this case, to call with smart phone, you can use speaker or handset of IP phone.

1 Select **[Menu]** → **[Settings]** → **[Bluetooth & Headset]** → **[Bluetooth Mode]**.

2 Select Bluetooth mode.



- If you want to change **[Bluetooth mode]** as **[smartphone]**, you have to change **[Headset mode]** as **[Standard]** also.
- A Bluetooth headset is provided separately.
- The method of use and support may differ depending on the type of Bluetooth headset. Refer to the user manual of the Bluetooth device.
- EHS Equipment supported with phone is Plantronics APU-71.

## Bluetooth Connection

### [Bluetooth mode is 'Headset']

1 Select **[Menu]** → **[Settings]** → **[Bluetooth & Headset]** → **[Headset]** → **[Set]**.

2 After searching nearby Bluetooth devices, the connection information is displayed.



- 3 After selecting a Bluetooth headset to connect to the phone, press the **[Pair]** button.  
After checking it is the correct device, press the **[Yes]** button.
- The Bluetooth headset to connect must be in the pairing waiting mode.



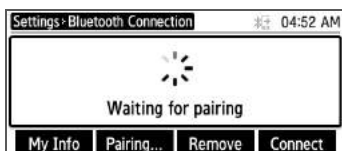
- 4 If Bluetooth headset is connected, Bluetooth Icon (📶) will be activated at the Title-Bar.
- If you use Bluetooth headset, you have to activate headset mode (📶) by pressing headset key.
  - The operation may differ from system.

- 5 When you press the **[Disconnect]** button, the device is disconnected.  
When you press the **[Remove]** button, the device is deleted from the search list as well as it is disconnected.

### [Bluetooth mode is 'Smart Phone']

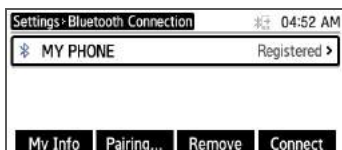
- 1 Select **[Menu]** → **[Settings]** → **[Bluetooth & Headset]** → **[Smartphone]** → **[Set]**.

- 2 To connect a smartphone to the phone, press **[Wait Pairing]** and start Bluetooth search in your smartphone.



3 When the smartphone is connected, you can use the call move function between the phone and smartphone.

- In the phone waiting screen, you can see 'Bluetooth' information is displayed under your phone number.
- When a call is received to the smartphone, there is a ringtone both at the phone and smartphone and you can select either one to receive the call.
- While talking through the smartphone, you can press the **[Headset]** button to move the call to the phone. You can also move a call from the phone to the smartphone by pressing the **[Move]** button.



4 When you press the **[Disconnect]** button, the device is disconnected.

5 When you press the **[Remove]** button, the device is deleted from the search list as well as it is disconnected.



Bluetooth is the name for a short-range radio networking technology that operates at 2.4 GHz to support wireless connection of various devices within a specific distance.

- Bluetooth may cause RF interference between low-power devices using the same frequency band such as the devices for industrial, scientific and medical use, microwave oven and wireless LAN units.
- Use Bluetooth devices at least 5 meters away from the wireless LAN area.
- Abnormal operation or noise may occur depending on the environment.
- If the user's obstructs signal transmission, abnormal operation or noise may occur.
- If a part of body contacts the radio transmission/receipt part of Bluetooth or a mobile phone, abnormal operation or noise may occur.
- Noise may occur depending on the position of the user if the reception power is reduced due to radio obstacles, e.g. walls and partitions.
- It may be difficult to talk due to the noise from the surroundings when the user is in a noisy area or outdoors.

## News & Notice

- 1 Select **[Menu]** → **[News & Notice]**.
- 2 To view the detail of notice, select a News or Notice, you can view detailed information.

## Program Key

- 1 Select **[Menu]** → **[Settings]** → **[Program Key]**.
- 2 After select with arrow key or soft button, press **[Edit]** or **[Add]** button, then view detailed information or add a function.

## Line Display Name

- 1 Select **[Menu]** → **[Settings]** → **[Line Display Name]**.
- 2 Input name of Phone Line and press **[Save]** soft button.  
Title Display: can change display format for waiting screen and communication screen. (number only/name only/number | name/name | number)

## Time Zone

- 1 Select **[Menu]** → **[Settings]** → **[Time Zone.]** → **[Time Update.]**.  
Can select system default value or user defined value
- 2 Select **[Menu]** → **[Settings]** → **[Time Zone.]** → **[Time Area Select.]**.  
Can select Time Area.
- 3 Select **[Menu]** → **[Settings]** → **[Time Zone.]** → **[Time City Select.]**.  
Can select Time City.

## Clear User Settings

Clear all user setting and data.

- 1 Select **[Menu]** → **[Settings]** → **[Clear User Settings]**.
- 2 Enter User Password.
- 3 Press the **[OK]** soft button.

## Phone Information

When you select **[Menu]** → **[Settings]** → **[Phone Information]**, the phone model name or software version information is displayed.

- **[License]**: You can check the phone license information.

## Network Information

When you select **[Menu]** → **[Settings]** → **[Network Information]**, the IP address, DSN information, or LAN connection status information, etc. is displayed.

## Deskphone Manager

When you select **[Menu]** → **[Settings]** → **[Deskphone Manage]**, you can check the connection information of a mobile device.

Display SDM (Samsung Deskphone Manager) App. Connection information.

- **[Disconnect]**: A mobile device is disconnected.

## Setting Wi-Fi 5G Only

When you select **[Menu]** → **[Settings]** → **[Wi-Fi 5G Only Set]**, the phone search only 5G band only.



This function is supported for 6021 model only.

## Phone Restart

When you select **[Menu]** → **[Settings]** → **[Phone Restart]**, the phone is restarted.

## Administrator

Select **[Menu]** → **[Settings]** → **[Administrator]**. You can enter into the administrator mode.

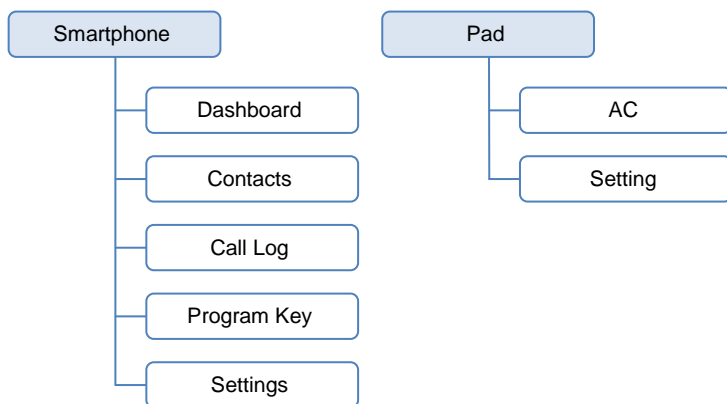
# INTEROPERATION SERVICE

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## Smart Phone Interoperation (SDM)

The Samsung Desktopphone Manager (SDM) is a smartphone application that allows a user to use the contacts, call log, or program keys and also do various settings by interoperating with SMT-i5343. The SDM supports Samsung Galaxy S2, S3, Note1, Note2, and Galaxy Note2 10.1'.

### System Configuration Diagram



The SDM supports only the AOM function when it is installed on a pad. The authentication procedure is the same both in a smartphone and pad. Only layout is different.



## Key Functions

Menu	Description
<b>Dashboard</b>	You can check or change the name or status (presence) of a currently connected user and also use contacts, call log, or AOM menu.
<b>Contacts</b>	You can manage the contacts of a smartphone, WeWork, and DeskPhone.
<b>Call Log</b>	You can manage the call log of a smartphone and deskphone.
<b>Program Key (AOM)</b>	You can use the program key and AOM function of deskphone.
<b>Settings</b>	You can set up the details of SDM.

## Registration Methods

SDM uses WIFI and USB to interoperate with the IP phone. After SDM installation, you can connect to the IP phone in the following procedures.

To use SDM, you have to register your IP phone.

You need only one registration and authentication for first use, and after then it is registered automatically. But if network configuration or phone configuration is changed, then it may be needed re-registration.



To download and install SDM, contactk system manager.

## Registration Using WIFI

### Authentication User ID

#### ◆ Auto Login

Try a authentication with wireless network. In case of auto login, it automatically acquire and authenticate IP phone's network IP address, so you don't know IP phone's network information.



#### For Auto Login

- SDM user should know a account for IP phone connection.
- Wireless Network have to support multicasting data.

If you have trouble to auto login, contact system manager.

- 1 Start the app and press the Start button.



- 2 Enter an ID/PW and select 'Deskphone IP input'.



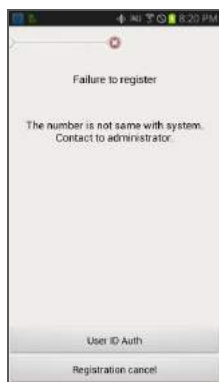
- 3 Enter deskphone IP information, and enter OK button.



- 4 If authentication success, Dashboard screen will displayed.



- 5 If account information or IP phone address is incorrect, registration will be fail.  
Contact to system manager.



## Registration Using USB

Smart phone uses USB tethering function with IP phone by USB data cable. In this case, IP phone and smart phone communicates 1:1 directly, so IP phone can't use smart phone's data communication and wireless network. This function is useful when used in environments without a wireless AP.



### For registration using USB tethering

- Smart phone can use USB tethering.
- Smart phone don't need WiFi connection.

- 1 Activate Simple interlock mode of IP phones **[Menu] → [Setting] → [Deskphone Manager Information]**.

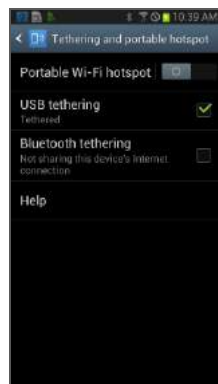
- Setting remains in effect until it is changed by the user.

- 2 Start the app and press the 'USB connection' button.



- 3 Turn on USB tethering by selecting USB tethering setting at the bottom and select the Back button.

If USB tethering is activated, then authentication is precessed automatically.



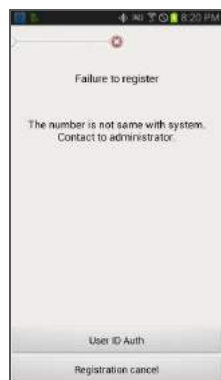
4

If the authentication procedure is successful, the dashboard screen is displayed.



5

If phone number of smart phone address is not registered, you have to authenticate using account information.

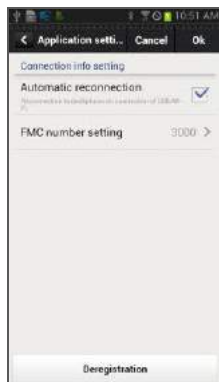


# Deregistration

Disconnect the smart phone connected to the deskphone.

## Deregistration in Settings

- 1 In the dashboard screen, go to 'Application settings' and select the 'Deregistration' in the 'Connection info setting'.



- 2 When the deregistration popup is displayed, press the 'Yes' button for deregistration.



# Dashboard

This is the first screen where you can change presence status or access key functions.



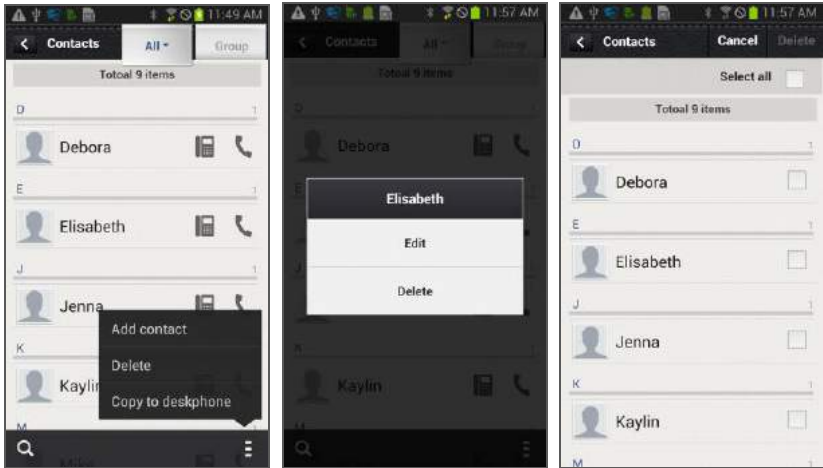
	Function	Description
Dashboard	Contacts icon	Moves to the contacts screen.
	Call Log icon	Move to the call log screen.
	Prog Key icon	Moves to the program key screen.
	Settings icon	Moves to the Settings screen.



# Contacts

## Contact List

You can manage the list of contacts (smartphone, deskphone, WeWork) per device. For copy or delete, it is changed to the selection mode.



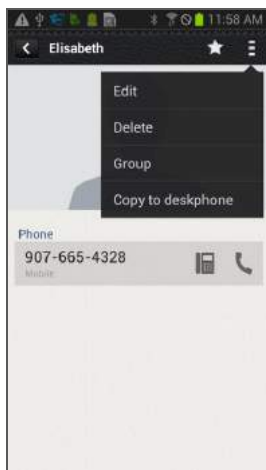
	Function	Description
<b>Contact List</b>	View contacts per device	You can see all the contacts of all, WeWork or deskphone.
	View group	You can see the group per device.
	View details	You can see the detail information of a selected contact.
	Search	You can search a contact.
	Add contact	You can add a contact.
	Delete	You can delete a contact.
	Copy to deskphone	You can save a contact to the deskphone.
	Dialing	You can make a call through the deskphone or smartphone.
	Long touch action	You can edit or delete a contact.



Contacts in smart phone can't be added/edited/deleted.

## View contact details

You can check or manage the detail information of a contact.



	Function	Description
<b>View contact details</b>	Favorites	You can enable/disable favorites.
	Dialing	You can make a call through the deskphone or smartphone.
	Edit	You can edit a contact.
	Delete	You can delete a contact.
	Group	You can manage the group of a contact.
	Copy to deskphone/Copy to smartphone	Copy a contact to the deskphone or smartphone.



Contacts in smart phone can't be added/edited/deleted.

## Add/Edit contact

A popup asking where you want to add a contact is displayed when you add a contact. The fields may vary per device.



	Function	Description
<b>Add/Edit Contacts</b>	Enter name	You can enter it briefly or in detail.
	Add Group	Select a group by going to the group list screen.
	Select type	Select a type if it exists.

## Select/Add group

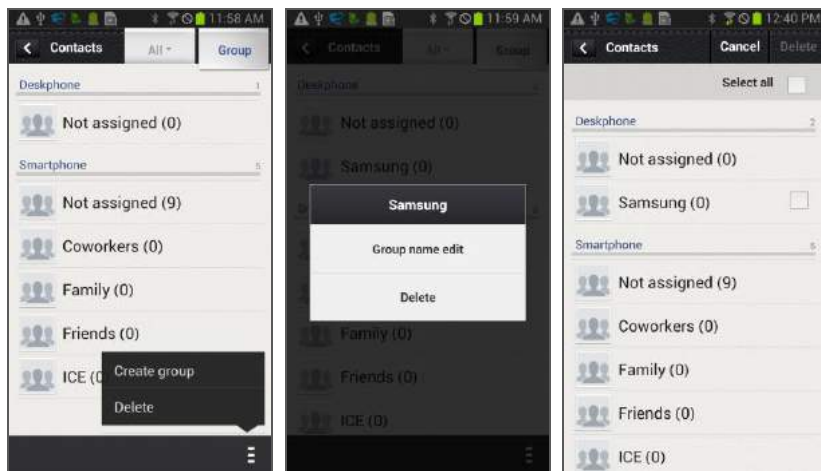
When you press Add group in the Add/Edit Contacts screen, the below screen is displayed. You can select multiple groups for the contact or create a new group.



	Function	Description
<b>Select Group</b>	Create group	You can create a new group.
	Select Group	Select a group where a contact will belong.

## Group List

You can see the list of groups per device. For deletion, it is changed to the selection mode.



	Function	Description
<b>Group List</b>	View contacts	You can see the list of contacts.
	Create group	You can add a new group.
	Delete	You can delete a group.
	Long touch action	You can edit or delete a group name.



Contacts in smart phone can't be added/edited/deleted.

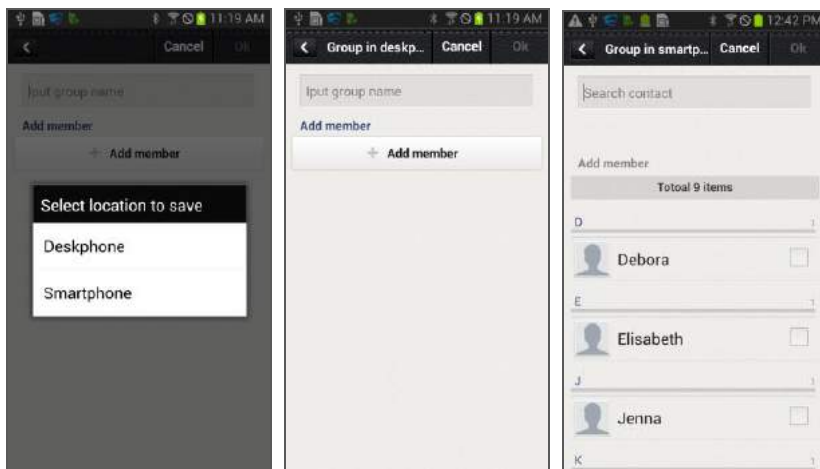
## Group name edit

When you press group name edit after long touch in the group list, the below popup where you can enter a group name is displayed. Enter a name and press OK.



## Add Group

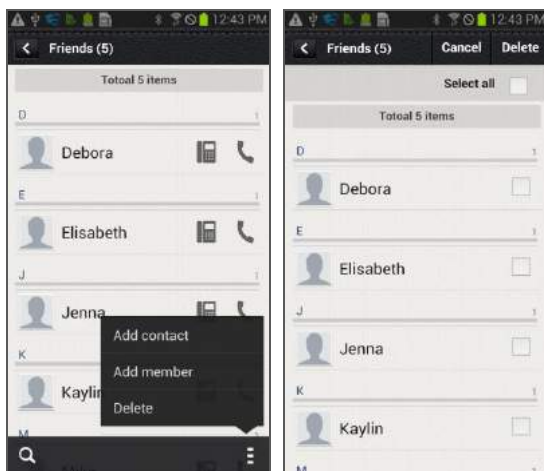
After selecting a device, just as contacts, you can enter its name and select members.



	Function	Description
<b>Add Group</b>	Enter name	Enter a group name. (If it is duplicate, there will be a warning popup.)
	Add Member	Moves to the member selection screen.
	Find Contact	You can search a contact using an entered keyword.

## Contacts in Group

When you select a group, the contacts in the group are displayed. For deletion, it is changed to the selection mode. If you add a contact in a group, the device selection window is not displayed. (The contact automatically belongs to the group.)

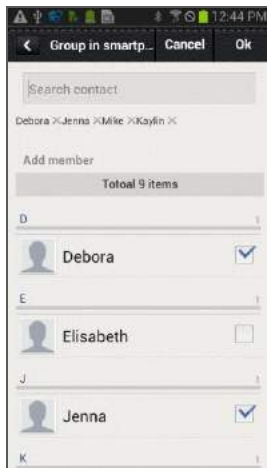


	Function	Description
<b>Contacts in Group</b>	Search	Search a contact in a group.
	Add contact	Create a contact in a group.
	Add Member	Manage a group member (add or remove).
	Delete	Delete a group member.



## Add Member

You can add/remove a group member. The bar above means the selected contacts.



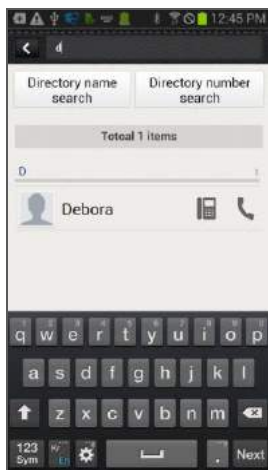
	Function	Description
<b>Add Member</b>	Select/Remove a group member	You can add a group member or remove an existing group member.
	Find Contact	You can search a contact using an entered keyword.

## Search/Directory Search

You can search a contact by pressing the Search button (magnifier button).

Basically, it is real time search and it supports initial sound search and phone number search. (The WeWork contacts do not support phone number search.)

You can perform directory name search or number search by entering search keyword.

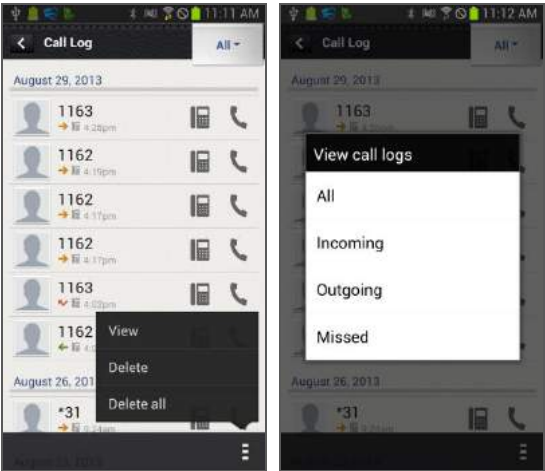


	Function	Description
<b>Search/ Directory Search</b>	Search	Real time search for a text entered in the search box
	Directory name search	Name based search in the directory service
	Directory number search	Number based search in the directory service

# Call Log

## Call Log

You can see the call log per device. You can classify calls per call log type and delete selectively or all the calls. The call log of deskphone is synchronized in real time.



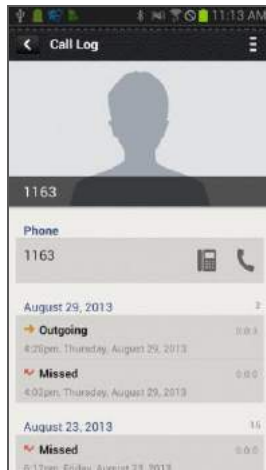
	Function	Description
Call Log	Call log per device	View call log per device (All, Deskphone).
	View	View by classifying per call log type. (All, Incoming, Outgoing, Missed)
	View call log details	View the detail information of a call log.
	Delete	Delete a call log.
	Delete all	Delete all the calls.



Contacts in smart phone can't be added/edited/deleted.

## View call log details

View the detail information of a call log. Shows all the call log of a specific number in order and provides dialing and the contact interoperation function.



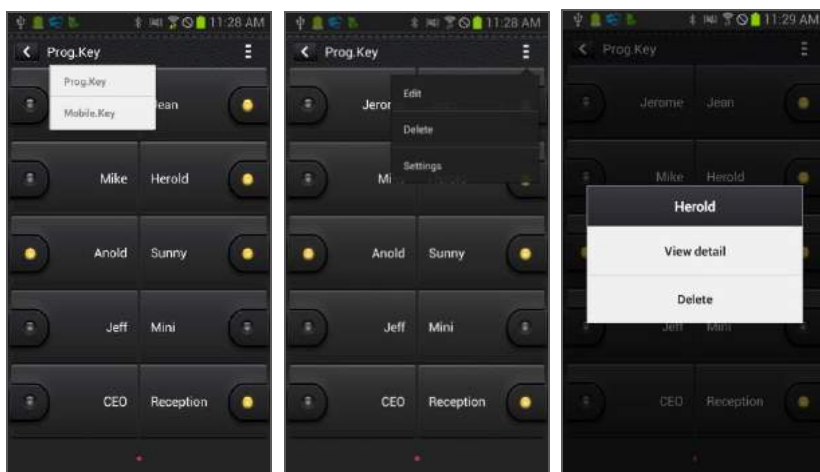
	Function	Description
View call log details	Dialing	You can make a call using the deskphone or smartphone.
	Delete	Delete a call log.
	Add/Edit	Add/Edit a new contact

# Program Key

Only layout is different with a pad, but the functions are the same.

## Program Key Main Screen

You can use program keys and the AOM function.



	Function	Description
<b>Program Key</b>	Change device	You can change a device by pressing its name.
	Change page	Using the left/right swipe at the top title bar, you can change a page.
	Add function	You can add a function.
	Long touch action	You can see the details and delete the information.
	Edit/Delete	You can edit or delete a function.
	Settings	Moves to the Settings screen.

## Edit/Delete function

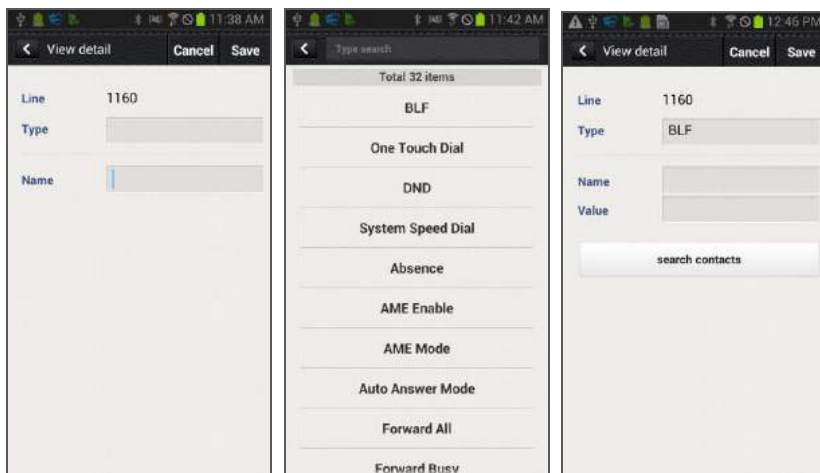
You can edit or delete a program key. It supports multi-tasking. You must press Save to make it applied after checking what you want to edit or delete.



	Function	Description
<b>Edit/Delete Function</b>	Edit	Moves to the Edit screen.
	Delete	Select a function to delete.
	Done	Apply the changes.

## Add/Edit Function screen

You can add or edit a function. Select a function and enter a value corresponding to the function.



	Function	Description
<b>Add/Edit Function screen</b>	Select function	Move to the function selection screen and select a function you want.
	Input	Enter a value for the function or search the value.
	Done	Apply the addition or change.

# Settings

## Settings main screen

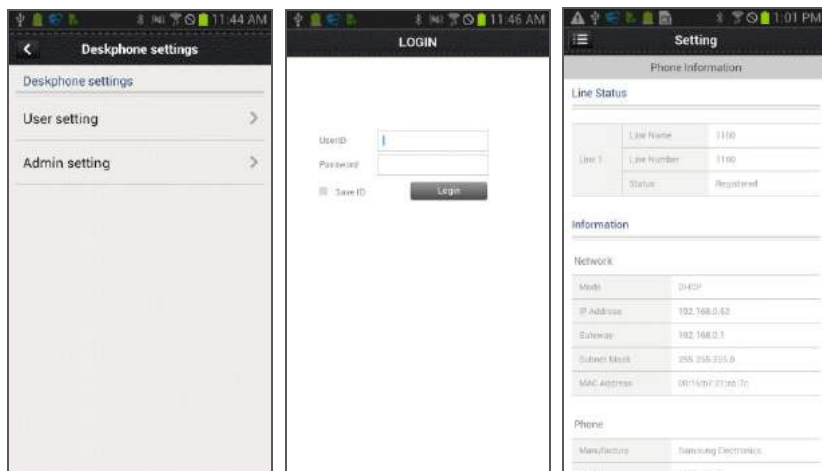


	Function	Description
Settings	Contacts view setting	Setting to view the contacts of a smartphone in IP phone.
	Connection info setting	Option setting for IP phone connection
	Deskphone call setting	Option setting for deskphone incoming call
	Application info	Check and upgrade application information.



## Deskphone settings

Moves to the deskphone function setup screen (Web). There are User setting and Admin setting.



## Contacts Synchronization Setting

You can set up contacts view. If it is set to ON, you can see the contacts of smartphone in the deskphone. Contacts of smartphone does not saved in the deskphone.

## Deskphone incoming call notification

Setting for deskphone incoming call notification. Depending on the notification window check/uncheck, a notification bar is displayed when there is an incoming call. You can set up screen off status, sound, or vibration, etc. Based on this setting, the Smart CID function is working.

## SDM shortcut

If you select this when the SDM is registered to the deskphone, the SDM shortcut notification is registered to the notification bar.

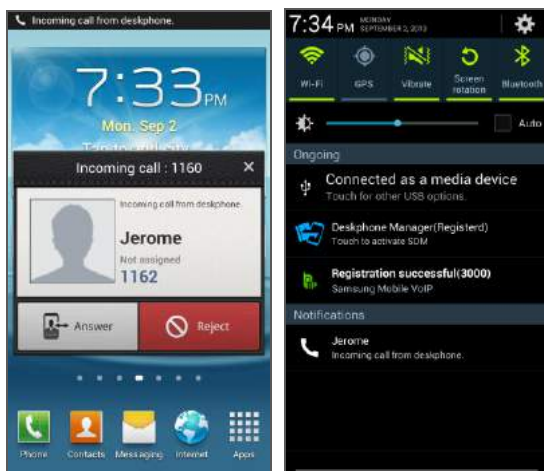
## Application info

Check the application information. You can do upgrade and NFC simple setting.

## Smart CID

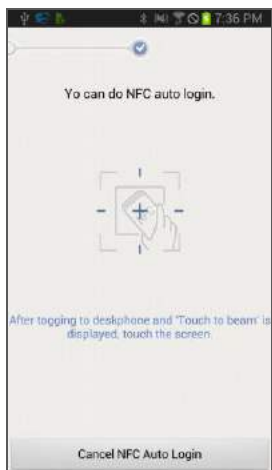
If you enabled Incoming call notification in Settings, the Smart CID is working whenever there is an incoming call to the deskphone. When you press the Close button (X), it is not displayed on the screen but it still remains in the notification bar. Therefore, you can load it anytime. You can accept or reject a call.

When you accept a call, it is connected through the Samsung Mobile VoIP app.



## Deskphone Auto Login

Log in a logout deskphone through NFC tagging.



# SUBSCRIBER SERVICE

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The subscriber service is provided based on a subscriber's settings.

Only a subscriber with service privilege provided by the administrator can use the service. To set up the function, press the function button in the phone or dial the function code.



- The items of subscriber service menu may vary depending on system type or settings.
- To use the subscriber service, the function code of each service must be defined. And the privilege for the function must be set to the subscriber. For more information about subscriber service privilege, contact the system administrator.
- For the service that a user sets up in advance, he/she can set up the service in the Personal Web Page (PWP). The PWP is a subscriber dedicated web setup function provided by the system. For how to connect, contact the system administrator.
- You can change the password used for the subscriber service in PWP.

# Call related service

## Call Forward

When a call is received, the call is forwarded to a specific number.

### All Forward

All the calls are forwarded to a specific number.

You can enable/disable the all forward function as follows:

- Enable: Dial 'All Forward-Enable' function code + Phone number used for forwarding.
- Disable: Dial 'All Forward-Disable' function code.

### Busy Forward

A call is forwarded to a specific number only when you are busy.

You can enable/disable the busy forward function as follows:

- Enable: Dial 'Busy Forward-Enable' function code + Phone number used for forwarding.
- Disable: Dial 'Busy Forward-Disable' function code.

### No Answer Forward

A call is forwarded to a specific number when you do not pick up the phone.

You can enable/disable the no answer forward function as follows:

- Enable: Dial 'No Answer Forward-Enable' function code + Phone number used for forwarding.
- Disable: Dial 'No Answer Forward-Disable' function code.



The no answer time can be specified in PWP.

If No Answer Forward is enabled by pressing the feature code on the phone, the default time of 15 seconds is used.

## Unreachable Forward

A call is forwarded to a specific number when you do not use the phone.

You can enable or disable the unreachable forward function as follows:

- Enable: Dial 'Unreachable Forward-Enable' function code + Phone number used for forwarding.
- Disable: Dial 'Unreachable Forward-Disable' function code.

## Selective Call Forward

Only specific caller numbers are forwarded.

There are two types; Selective Call Forward Allowance that forwards pre-registered numbers and Selective Call Forward Restriction that forwards the numbers not registered.



You can register the numbers for Selective Call Forward in PWP.

## Follow Me

If you cannot receive a call because you are away from the deskphone temporarily, you can forward a call to another phone.

You can enable/disable the follow me function as follows:

- Enable: Dial 'Follow Me-Enable' function code + Your password + Your phone number from the phone where you want to receive a call.
- Disable: Dial 'Follow Me-Disable' function code + Your password + Your phone number from the phone where you enable the Follow Me function.

## Call Park

You can reconnect a call that is held during call by pressing a button or function code.

### Call Park (Extension)

Since an extension number is used as the hold ID, only one call can be held per extension number.

You can hold a call to an extension number as follows:

- After pressing the **[Hold]** button of Supplementary Function menu during call, Dial 'Call Park' function code + Target extension.
- After pressing the **[Hold]** button of Supplementary Function menu during call, Dial 'Call Park' function code with the extension number.

### Call Park Orbit

Because an independent number is used as a hold ID, one extension can hold several calls. You can hold calls to a number as follows:

- After pressing the **[Hold]** button of Supplementary Function menu during call, Dial 'Orbit Park' function code + call saving number.

### Parked Call Pickup

This feature allows a parked call to be reconnected on the phone for it had been parked or on another phone.

You can reconnect a held call as follows:

- Dial 'Parked Call Pickup' function code + Hold ID.

### Park Recall

This feature allows a parked call to be redirected to the subscriber who parked the call if the call is not picked up after a specified period of time.

### Shared Call Retrieve

This feature is used to pick up a held call from another phone.

If there is a held call, it is displayed on the right side of screen. You can use Shared Call Retrieve as follows:

- Press the right selection button after locating the held call.
- Dial 'Shared Call Retrieve' function code.

## Auto Answer

If the auto answer feature is enabled, when there is an incoming call, the speaker will be turned on and the call will be answered automatically.

You can enable/disable the auto answer function as follows:

- Enable: Dial 'Auto Answer-Enable' function code.
- Disable: Dial 'Auto Answer-Disable' function code.

## Call Pickup

This feature allows a subscriber to answer another subscriber's incoming call.

### Direct Call Pickup

This feature allows a subscriber to pickup another subscriber's incoming call by specifying the subscriber's number.

You can pick up another subscriber's incoming call with ringing as follows:

- Dial 'Direct Call Pickup' function code + Phone number with ringing.
- Press the **[Call Pickup]** right selection button of Supplementary Function menu.

### Group Call Pickup

You can pick up an incoming call to a selected group (instead of a subscriber number).

You can pick up another group's incoming call with ringing as follows:

- Dial 'Group Call Pickup' function code + Group number of a phone with ringing.
- Dial 'Group Call Pickup' function code.
- Press the **[Call Pickup]** right selection button of Supplementary Function menu.



If you dial the 'Group Call Pickup' function code without a pickup group number, it is working as the 'My Group Call Pickup' function.



## Outbound Call Lock

A subscriber requests Outbound Call Lock to the subscriber's number.

You can enable/disable the outbound call lock function as follows:

- Enable: Dial 'Outbound Call Lock-Enable' function code.
- Disable: Dial 'Outbound Call Lock-Disable' function code.

## Call Transfer

The call transfer feature allows the subscriber to park the current call and transfer it to another number. If transfer is failed, the call is reconnected to the subscriber who attempted the transfer.



To use the call transfer function, the 'Transfer' service must be allowed in the service level.

### Semi-Blind Transfer

Similar to Blind Transfer, this feature allows the subscriber to park the current call and call another number, and then transfer the call by pressing the transfer button while the phone is ringing.

### Consultative Transfer

This feature allows the subscriber to park the current call and call another number, and then transfer the call by pressing the **[Transfer]** button after the call is established.

### Transfer Recall

If transfer is failed, the call is reconnected to the subscriber who attempted the transfer.

## Call Waiting

When there is an incoming call while the subscriber is already engaged, the subscriber is notified that a call is waiting so that the subscriber can park or end the previous call and pickup the new call. If the call waiting feature is enabled for a phone, the phone can accommodate as many calls as the call buttons configured.

If no call button is configured, all incoming calls while the phone is engaged are treated as busy.

You can enable/disable the call waiting function as follows:

- Enable: Dial 'Call Waiting-Enable' function code.
- Disable: Dial 'Call Waiting-Disable' function code.

## Callback

This is the function used to make a call reservation when the called party is busy or does not answer.

When the callee becomes available, the caller's phone will ring, and if the caller answers the phone, the callee's number is redialed.

You can enable/disable the callback function as follows:

- Enable: Press the **[Callback]** right selection button of Supplementary Function menu when a callee is busy or does not reply.
- Disable: Dial 'Call Back-Disable' function code.

## DND

This is the Do Not Disturb (DND) function that rejects all the incoming calls.

When a call is made to a phone number with DND setting, the DND message is played and the call is ended.

You can enable/disable the DND function as follows:

- Enable: Dial 'Do Not Disturb-Enable' function code.
- Disable: Dial 'Do Not Disturb-Disable' function code.

### DND White List

This feature allows a call that is from a registered caller is not rejected when the call is received to the phone with DND.



A subscriber can register the numbers to exclude in the 'DND White List' menu of PWP.

## DND Override

The DND setting is ignored and the call can be received. If you press **[DND Override]** of Supplementary Function menu when you listen to DND message, the callee can receive a call because of ringing. Even when the DND override feature is used, the call may not be connected if the callee is busy or otherwise unavailable.



To use the DND override feature, both 'Override Level' and 'Privacy Level' must be defined in Service Class. DND override is allowed only when the override level is higher than the privacy level. The override level is applied to the subscriber overriding DND and the privacy level is applied to the subscriber with DND.

## Auto Retry

If an outbound line callee does not reply, a call is made automatically after certain period of time. If this function is enabled, a call is made to the last number at a fixed interval.

You can enable/disable the auto retry function as follows:

- Enable: If it is busy or no reply after dialing to an outbound line, select **[Auto Retry]** right selection button of Supplementary Function menu.
- Disable: Dial 'Auto Retry-Disable' function code.

## Last Call Redial

This feature allows you to dial the last called/calling number.

You can use the last call redial feature as follows:

- Redial to the last calling number: Dial 'Last Call Redial' function code.
- Redial to the last called number: Dial 'Last Received Call Redial' function code.

## Barge In

This feature allows you to intrude into a subscriber's current call for a three-way conference call.

The call intrusion feature is also known as Call Intrusion, Barge In or Call Override.

Barge In can be with Warning or without Warning depending on whether you let them know the call becomes three-way conference call.

### Call Intrusion

When you intrude into a call and establish a three-way conference, this service periodically plays a tone to notify the subscriber being intruded that the call has been intruded.

You can use the call intrusion feature as follows:

- Press **[Barge In]** right selection button of Supplementary Function menu when the callee is busy.
- Dial 'Barge In' function code + The busy subscriber' phone number.

### Call Intrusion without Tone

When a three-way conference call is established by intruding into a call, the subscriber being intruded is not given any notification. The intruding subscriber's voice is muted so that the call can be monitored in secret.

You can use the call intrusion without tone feature as follows:

- Press **[Call Monitoring]** right selection button of Supplementary Function menu when the callee is busy.
- Dial 'Call Monitoring' function code + The busy subscriber' phone number.

## No Ring

The no ring feature prevents the phone from ringing when there is an incoming call.

If there is simultaneous ringing with several phones due to the function such as multi ring, this feature is useful to make some phones not ringing.

You can enable/disable the no ring function as follows:

- Enable: Dial 'No Ring-Enable' function code.
- Disable: Dial 'No Ring-Disable' function code.

## Multi-Ring

When there is an incoming call for the subscriber, the call is directed to multiple phones at the same time.

When the call is answered by one of the phones, the call is connected to the phone and the rings on other phones are canceled. This service is useful for incoming calls to ring the deskphone and the mobile phone at the same time.



When there is an incoming call, the services enabled for the master subscriber who enabled multi-ring will be provided, but the services enabled for the multi-ring members will not be provided except no ring.

For example, if the subscriber number 2000 is set as a multi-ring member for the subscriber number 1000 and if there is an incoming call to the subscriber number 1000:

- The call will be forwarded if call forwarding is enabled for the subscriber number 1000, but the call will not be forwarded if call forwarding is enabled for the subscriber number 2000.
- The call will be rejected if DND is enabled for the subscriber number 1000, but the call will not be rejected if DND is enabled for the subscriber number 2000.
- Only the subscriber number 1000 will not ring if no ring is enabled for the subscriber number 1000, and only the subscriber number 2000 will not ring if no ring is enabled for the subscriber number 2000.

### Multi-Ring Setting

Even if a subscriber is set as a member on a multi-ring list, the multi-ring feature must be enabled for the subscriber in order to use the multi-ring feature.

You can enable/disable the multi-ring service as follows:

- Enable: Dial 'Multi-Ring On' function code.
- Disable: Dial 'Multi-Ring Off' function code.

### Registering Multi-Ring Member

You can add or delete a multi-ring member as follows:

- Add a member: Dial 'Add Multi-Ring Member' function code + Phone number.
- Delete a member: Dial 'Delete Multi-Ring Member' function code + Phone number.

## Mobile Extension (MOBEX)

The Mobile Extension (MOBEX) function allows an external mobile phone to receive an incoming call. It also allows a call to be transferred from the mobile phone to the deskphone in the office.

### Call Pickup on Desk Phone

This feature allows the call answered with an external mobile phone by the multi-ring feature to be transferred to the deskphone in the office and picked up for continued conversation.

You can transfer a call from the mobile phone to the master phone as follows:

- Dial 'MOBEX on Desk Pick up' function code in the multi-ring configured master phone.

### Transfer to Mobile Phone

This feature allows the subscriber to transfer a call to an external mobile phone specified as a multi-ring member without parking the call. It works in the same way as blind transfer.

You can transfer a call to a mobile phone as follows:

- Transfer a call by pressing **[Transfer]** button and a mobile phone number in the multi-ring configured master phone.

## Intercom

When a call is made between the subscribers for whom intercom is enabled, the call is automatically answered through the speaker.

When using the manager/secretary feature, the intercom feature is used together.

## Malicious Call Tracking

This feature allows you to track a caller when there is a malicious call although the call is dropped.

You can use the malicious call tracking function as follows:

- Dial 'Malicious Call Tracking' function code.
- Press the **[Malicious Call Trace]** right selection button of Supplementary Function menu.

## Extension Announcement

An extension number for announcement is registered in advance, and announcement is used for conversation to the extension announcement group number. The call is automatically answered by the phones paged so that the subscribers can listen to the moderator's announcement.

## CLI Control

### Temporary CID Restriction

This feature does not expose your number to your counterpart.

You can use the temporary CID restriction function as follows:

- Dial the Temporary CID Restriction function code + Phone number.

### Distinctive Ring by CLI

This feature allows incoming calls to be distinguished by different rings depending on the caller numbers.

# Conference Features

## Conference On Answer (COA)

A call is made to an attendee and when the callee answers the call, the callee is automatically included in the conference.

## Predefined Conference

A list of conference attendees are registered in advance and the attendees are paged using the conference group number. Those attendees answering the call are automatically included in the conference.

## Progressive Conference

The attendees' phone numbers are entered one by one according to the interactive voice announcement. When the call is made, those attendees answering the call are automatically included in the conference. The conference attendees are not registered in advance.

## Meet-Me Conference

A conference room is reserved, and then the conference attendees call the conference system to join the conference. When the conference moderator uses the Conference Reservation menu on PWP to set the conference room number, password, etc. and register the conference attendees, the conference attendees receive an invitation mail.

The conference attendees can call the conference ID at the conference time as instructed by the invitation mail to join the conference.



# Voicemail Interoperation

By interoperating with the default voice mail system, this feature provides Answering Machine Emulation (AME), call recording, call forward to voice mail during ringing, transfer to voicemail box, etc.

## Answering Machine Emulation (AME)

If the AME feature is enabled, when there is an incoming call, the call is automatically answered by the voice mail system and the caller's message is recorded in the voicemail box. The voicemail system announcement and the caller's voice message are heard over the phone's speaker.

### AME Auto Start

If the AME feature is enabled in advance, it works as AME through the voicemail system.

You can enable or disable the AME auto start function as follows:

- Enable: Dial 'AME-Enable' function code.
- Disable: Dial 'AME-Disable' function code.

### AME Manual Start

This method allows the incoming calls to be connected to AME without configuring the AME feature in advance.

You can enable or disable the AME manual start function as follows:

- Manual connection: Press the **[AME-Enable]** right selection button of Supplementary Function menu when there is a ringing on the phone.
- Stop: Press the **[AME-Disable]** right selection button of Supplementary Function menu when the AME is working.
- When Auto Answer is stopped, you can talk to the caller.

## Call Recording

This feature allows call recording into the voicemail box. When call recording is started, 'Recording' is displayed on the phone screen and you can see the Supplementary Function menu of **[CANCEL]**, **[PAUSE]**, and **[STOP]**.

### Auto Call Record

This feature enables an incoming call to be automatically recorded. When enabling the auto call record feature, you can specify a type of calls to record selectively.

### Manual Call Record

You can record a call by pressing the button during call.

You can use call recording as follows:

- Press **[Call Recording]** of Supplementary Function menu + Voicemail Box number during call to record a call to the specified voicemail box.
- Press **[call recording]** of Supplementary Function menu + My Voicemail Box during call.



'Call Recording' must be allowed in the service level to use the manual recording function.

## Deflect to Voicemail

When a phone is ringing, the call is forwarded to the voice mail system through No Answer Forward. A caller can leave a voice memo after hearing no answer message.

You can forward a call to the voice mail when a phone is ringing as follows:

- Press the **[Deflect to VM]** right selection button of Supplementary Function menu.

## Transfer to Voicemail

This feature allows the current call to be connected to a specified mailbox in the voice mail system so that the caller can leave a message.

If the transfer to voice mail feature is used, the caller can leave a voice message without entering a service code, mailbox number, or password.

You can leave a voice memo by transferring a call to the voicemail box as follows:

- Dial 'Deflect to Voicemail' function code + Voicemail Box number.

# Other

## Function Allocation Initialization

The service initializes all the allocated functions to my number.

Dial 'Function Allocation Initialization' function code to initialize all the allocated functions.

## Changing Password

You can change a service password. Dial 'Change Password' function code to change a service password.

## Hot Desking

The hot desking feature allows a subscriber to log in from a phone shared by multiple users.

You can use a phone in the logged out status to enter his/her ID and password to log in and use the phone as your own phone until logged out.



You can log out using **[Menu] → [Settings] → [Logout]** menu.

You can log in again when pressing the login soft button in the waiting screen when you are in the logout status.

## Extension Group Login/Logout

When a call is received to the index number of extension group, this service makes the call received to a subscriber in the extension group.

You can use the extension group login/logout function as follows:

- Setting only to a specific extension group: Dial 'Extension Group Login/Logout (Station Group-In/Station Group-Out)' function code + Extension group number.
- Setting to all the member groups: Dial 'Extension Group Login/Logout (Station Group-In/Station Group-Out)' function code.



If a member logs out of his or her hunt group, the member is excluded from the available member list, and incoming hunt group calls are not directed to the member.

## Absence

You can notify that you are not available using this service. If the absentee feature is enabled, when there is an incoming call, an announcement is played to notify the caller of the absence status and the call is terminated.

You can enable/disable the absence service as follows:

- Enable: Dial 'Absence-Enable' function code.
- Disable: Dial 'Absence-Disable' function code.

## Account Code

This feature allows the subscriber to enter his/her account code in the account information when making an outbound call. The account code entered will be saved in the charging data record (CDR), which can be used for calculating call charges for the subscriber.

### Forced Account Code

You can make an outbound call when you enter a registered account code.

### Voluntary Account Code

When an outbound call is made from a phone set with voluntary account code, you can enter an account code as follows before making an outbound call or after holding a call.

- Press **[Account Code]** of Supplementary Function menu and enter an account code.

## Wake-Up Call

The subscriber's phone rings at a wake-up time specified by the subscriber. If the subscriber answers the call, an announcement is played to notify that it is the wake-up time.

You can enable/disable the wake-up call function as follows:

- Enable: Dial 'Wake-Up Call-Enable' function code + Ring time (HHMM) + Ringing times.
- Disable: Dial 'Wake-Up Call-Disable' function code + Ring time (HHMM).

## Language Selection

You can select a language displayed on the phone.

# TROUBLESHOOTING

The following are examples of frequently occurring problems and solutions. Please check the list of solutions before requesting repair services from the service center. Please call the service center if the problem is not resolved using the following solutions.

## Installation/Connection

Trouble	Solution
The phone is not reset after it is connected to the power supply.	<ul style="list-style-type: none"><li>- Check if all of the cables are connected to the phone correctly.</li><li>- Check if the power adapter meets the specifications. (Please use the optional power adapter provided. If you need to purchase a power adapter, please seek advice from the store where you purchased the phone.)</li><li>- Disconnect the power adapter from the phone for about 10 seconds, and reconnect it.</li></ul>
The phone's functions do not work after the phone has been reset.	<ul style="list-style-type: none"><li>- If the message 'IP conflict' appears on the screen, it means that your IP address is already being used (by a phone or PC). Please contact the system administrator.</li><li>- If the message 'ID conflict' appears on the screen, it means that your ID is already being used by another phone. Please contact the system administrator.</li></ul>
When you pick up the phone or press the <b>[Speaker]</b> button, you cannot hear the dial tone.	<ul style="list-style-type: none"><li>- Check if the power adapter and all of the cables are connected to the phone correctly.</li><li>- Check if all of the network environments, such as the IP address, are set up correctly. (Please refer to 'Menu → Settings → 2. Network Information' in this user manual.)</li><li>- Check if the IP address that has already been set up for the connected computer is available by using the 'ping' command. If the IP address is already being used, contact the system administrator to receive an available IP address.</li></ul>



## Screen

Trouble	Solution
Nothing is displayed on the LCD screen during the call.	Check if the phone cables are properly connected to the ports. (Please refer to the section on 'Phone Installation' under 'Preparations' in this user manual.)



## General

Trouble	Solution
The phone does not ring or the sound is too quiet.	By pressing the <b>[Volume]</b> button, make the phone bell volume larger. (Please refer to the 'Volume Control' section under 'Basic Functions' in this user manual.)
The sound is not clear due to interference or crossed lines.	If you were using the speaker, try using the handset.
There are a lot of echoes coming from the speaker.	When you broadcast, the noise from the speaker may cause echoing. Maintain a distance of 1 m from the phone.
Caller ID does not appear on the LCD screen.	<ul style="list-style-type: none"> <li>- Ask the service provider whether the Caller ID service is activated.</li> <li>- If the user has requested to be removed from the Caller ID service, it will not appear on the screen.</li> <li>- If the user is calling from an area where the Caller ID service is not valid (e.g. making an international call), Caller ID will not appear on the screen.</li> <li>- If the user calls from a payphone, Caller ID will not appear on the screen.</li> <li>- If the user received invalid information from the service provider, Caller ID will not appear on the screen.</li> <li>- If the service provider does not provide the Caller ID service, Caller ID will not appear on the screen.</li> </ul>
You are unable to access the main menu from the call forward or rejection screen.	Set the UC dial to a central position then you will be able to access the menu.

## Product Specifications

The features and specifications of the SMT-6020/6021 are as follows.

Item	Specifications
Model	SMT-i6020/6021
Weight (kg)	1,280 g $\pm$ 5 % (Full Set; Unit Box included), Single Piece: 1,000 g $\pm$ 5 %
Dimensions (mm)	240 (Width) $\times$ 181 (Depth) $\times$ 164 (Height)
LCD	Mono Graphic LCD (384 $\times$ 160 Pixel)
Adaptor input power	AC 100-250 V/50-60 Hz, 1.0 A
Adaptor output power	DC 12 V; 2 A
PoE Input Power	DC 48 V; 0.3 A
PoE Device	802.3 af standard support (For CLASS 0)
Operating conditions	Temperature: 0-45°C, humidity: 10-90 %

### Class B Device (Broadcasting communication device for home use)

This device obtained EMC registration mainly for home use (Class B) and may be used in all areas.

Caution: This wireless device is subject to electromagnetic interference.

## Conformity Assessment and Product Safety Marks

### ■ SMT-i6020

Country	Certificate	Cert No.
EUROPE	CE	CB Certificate No. : NL-36551 <b>CE</b>
	CB	
USA/CANADA	FCC/IC	IC : 649E-SMTI6021 US : A3LIPNANSMTI6021
	UL	

### ■ SMT-i6021

Country	Certificate	Cert No.
EUROPE	CE	CB Certificate No. : NL-36551 NB No. : 1177 <b>CE1177</b>
	CB	
USA/CANADA	FCC/IC	IC : 649E-SMTI6021 US : A3LIPNANSMTI6021 FCC ID : A3LSMTI6021
	UL	



A blank sheet of lined paper with rounded corners and a light gray border. The page contains 25 horizontal dashed lines for writing, evenly spaced across the page.

A blank sheet of lined paper with rounded corners and a light gray border. The page contains 25 horizontal dashed lines for writing, evenly spaced across the page.

This image shows a blank sheet of lined paper, likely for a notebook or a worksheet. The paper is white with a light gray border. It features horizontal dashed lines for writing, with a solid gray line at the top. The lines are evenly spaced and extend across the width of the page. The corners of the paper are rounded.



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