



Enterprise IP Solutions

OfficeServ IP Phone User Guide

ITP-5012L

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CLASS B Digital device or Peripheral

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to International Standards EN55022, and EN61000, Part 15 of the FCC Rules and Australian Standard AS/NZS3548.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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Please read this guide before using the ITP-5012L IP phone, and follow the instructions to use the ITP-5012L IP phone safely and correctly.

This manual may be changed for the product improvement, standardization and other technical reasons without prior notice.

For further information on the updated manual or the content contained in the manual, contact your Authorised Samsung Reseller.[**HYPERLINK**](#)

ABOUT THIS GUIDE

This User guide provides instructions for the use of Samsung's latest ITP-5012L large LCD IP Phone that can be used in connection with the Samsung's Enterprise IP Solutions OfficeServ System.

Please take the time to study this guide to become familiar with the operation of your ITP-5012L phone and the benefits this new IP technology can provide. Keep this guide handy. You may need to look up instructions for infrequently used features.

Learning to use the power of the ITP-5012L phone will simplify your communication needs.

■ 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 ITP-5012L phone.



NOTE

Indicates additional information for reference.



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SAFETY CONCERNS

For product safety and correct operation, the following information must be read before the installation and operation of your ITP-5012L IP phone.

Symbols



Caution

Indication of a general caution



Restriction

Indication of a prohibited action when using the product



Instruction

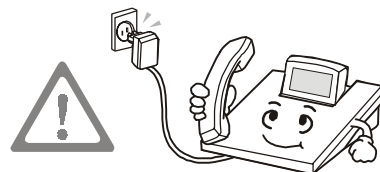
Indication of a required action



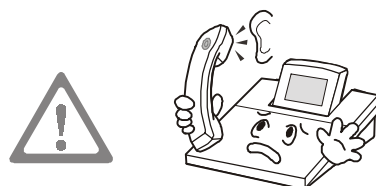
WARNING

The ITP-5012L IP phone shall be connected to the local AC power using the power adaptor provided with the IP phone.

Use of an alternative adaptor may result in serious damage and voids the product warranty.

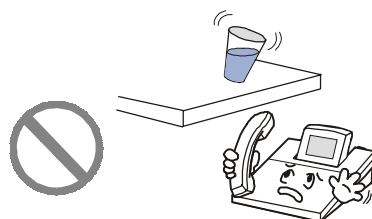


The handset receiver on the IP Phone may retain metallic objects. Care should be taken when using the handset in the vicinity of small metal objects.



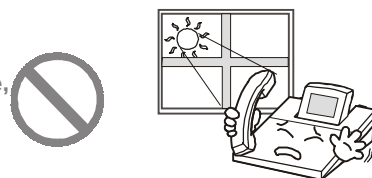
Avoid placing objects containing water such as vases, cups, cosmetics, and medicines near the phone.

Moisture in the IP phone may cause a fire and electric shocks.



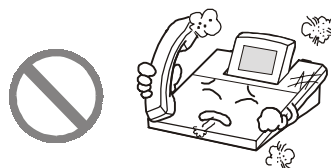
Do not install the phone on an unstable surface or in direct sunlight.

It may cause severe damage to the plastic case of the phone, and reduced the performance of your IP phone.



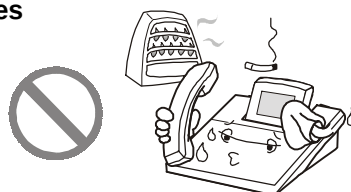
Do not place the phone in a dusty area or areas of extreme or volatile changes in temperature.

It may cause a fire or electric shocks.



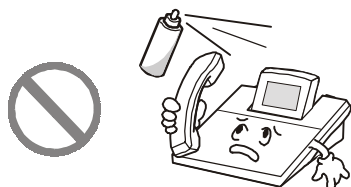
Do not install the phone near a heater or naked flames (cigarette lighter, heating apparatus, etc.).

It may cause a fire or electric shocks.

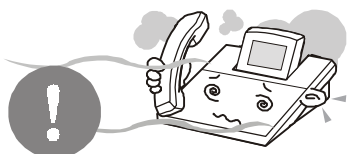


Do not use flammable solvent or materials near the phone. Do not store them near the phone.

It may cause a fire or electric shocks.



If the phone makes excessive noise, emits an odour, or smoke, immediately unplug the phone and call your Authorised Samsung Reseller.

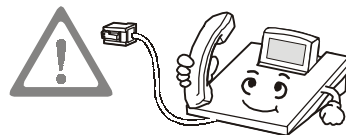




CAUTION

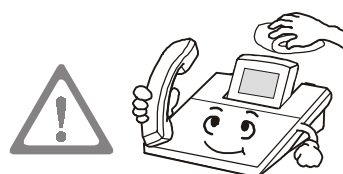
Be careful not to connect the network LAN cable to the PC connection port.

If the LAN cable connected to network is connected to the PC connection port, both telephone and PC communications will be disabled.



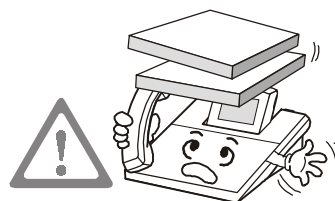
**Use a soft dry cloth to clean the phone.
Do not use any chemical solvents like wax,
benzene, alcohol, thinner,
aerosols, lubricant, or detergent.**

The use of chemicals on the phone may cause fading/discoloring or damage to the parts.



Do not place heavy things on the phone.

It may cause damage to some parts.



**Do not separate, repair or remodel
the phone arbitrarily.**

If a repair is needed, please contact your
Authorised Samsung Reseller.

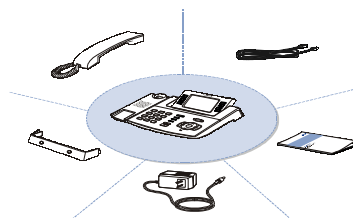


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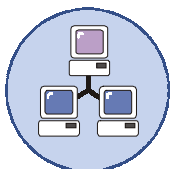
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PREPARATION

1. Main Features

IP Network



Network

The ITP-5012L IP phone provides voice communication through the previously installed data network line, making installation of additional telephone lines unnecessary.

Large LCD Screen



Displays various kinds of information, and you can simply press the related [Select] button next to the feature/menu. This feature provides easy search and selection of menus and features.

Application menu



Allows you to easily check the phone features(Phonebook, E-Diary, Message, Volume, Forward, Config., and My Phone) with an icon or menu on the LCD screen just like a mobile cellular phone. You can use the Application menu to search any long text displayed on the LCD panel.

Speed Dial



For further convenient use of your phone, you can program your frequently used phone numbers into the IP phone's Phone Book. For important numbers, you can press one dial button to make a call to the speed dial number.

Pickup



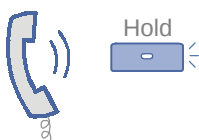
You can answer a call at another extension.

Automatic Redial/Retry



When your call is important but your party is busy on another call you can use automatic redial/retry function. The IP phone redials the called number automatically until your party is free to take your call.

Hold



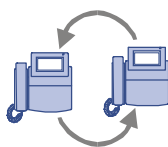
You can use the Hold function when you need something or another call arrives. Use this button to temporarily hold the current call until you are ready to resume the call. You can even pickup the held call at another station.

Conference Calls



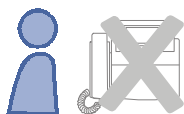
This button is used when multiple parties need to be connected simultaneously during a phone conversation. Up to five parties including you can be connected in a conference call.

Call Forwarding



If you cannot answer an incoming call, the call can be forwarded to another extension(unconditionally, while you are busy on a call, or when you are away from your phone).

Do Not Disturb



When you do not want to be disturbed, the DND feature can be set to block incoming calls and the phone will not ring. Your calls can be forwarded to another station when you cannot be disturbed.

Page



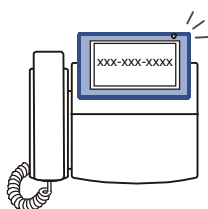
If you have an urgent announcement to make, or you wish to locate a colleague, you can page through the speaker of other stations, or through optional external speakers.

Executive/Secretary



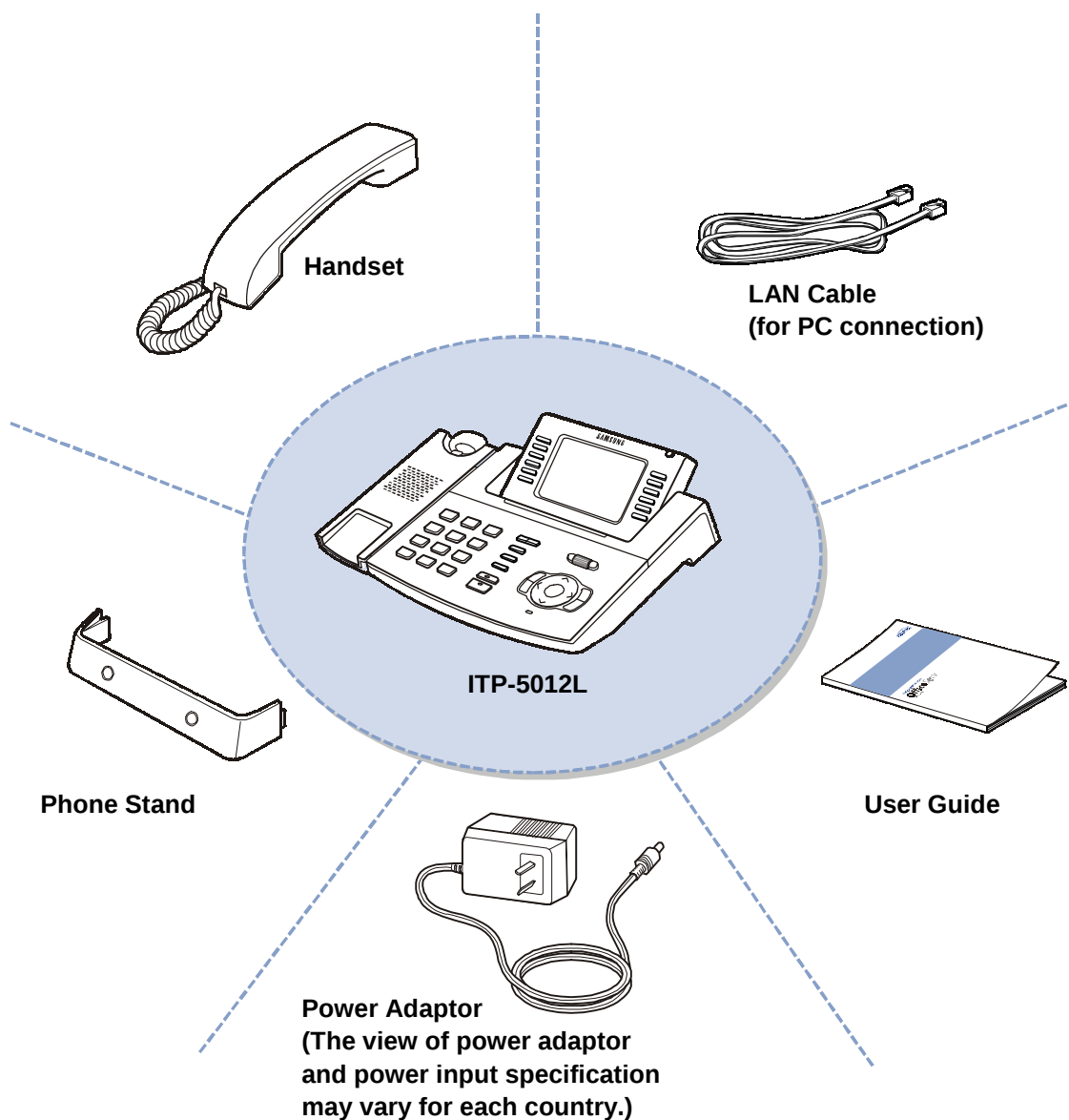
When the Executive/Secretary button is pressed once, the executive and his/her secretary can be connected. The secretary can use this Executive/Secretary feature to receive an incoming call and then simply forward it to the executive.

Caller ID



When there is an incoming call, the caller ID or name will be displayed on the LCD screen. You can see who is calling before answering the call and respond accordingly.

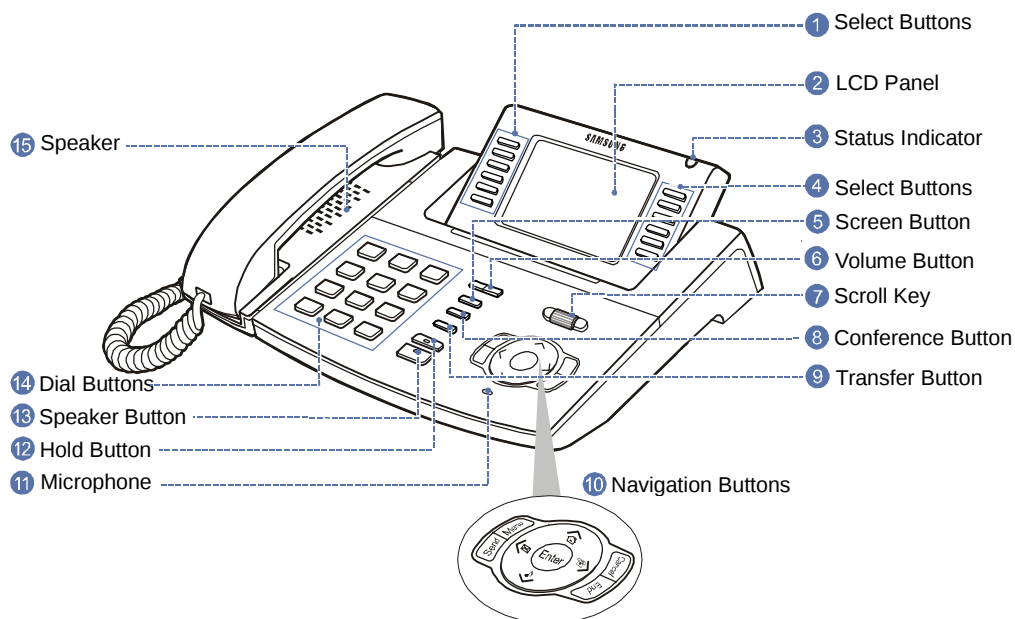
2. Checking the Parts in the Package



- Please contact your Authorised Samsung Reseller if any item above is missing or damaged.

3. Name and Features of the TTP-5012L IP phone

Front Panel



Name and Features of Each PartEMBED

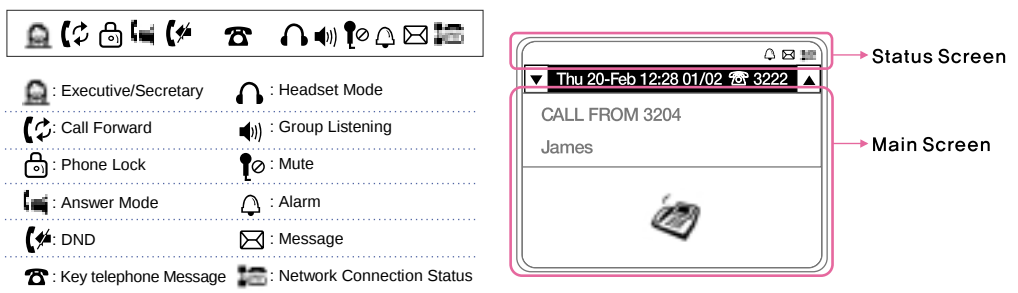
① ④ [Select] buttons

You can simply press the [Select] button next to the preferred item on the LCD panel.

② LCD Screen

The LCD screen consists of the Status screen and the Main screen.

- The Status screen on the top of the LCD screen indicates using icons the status of your phone features.



- The main screen shows selectable menus, call details, and other important messages.

③ Status Indicator

The three colors(red, blue, pink) indicate the phone status.

⑤ Screen Button

This button is used to move between the idle screen, the Programmable Feature screen, Soft menu screen or Executive Status screen available on the phone.

⑥ Volume Button

The Volume Up/Down buttons are used for adjusting the handset, paging or speaker volume.

⑦ Scroll Key

Scrolling up and down, this key allows you to move between options displayed on the LCD screen or expose other available options not currently displayed.

⑧ Conference Button

This button is used to connect multiple callers in a conference call.

⑨ Transfer Button

This button is used to transfer a call to another station or to access your station's programming options.

⑩ Navigation Buttons

You can easily check the phone Application menus(Phonebook, E-Diary, Message, Volume, Forward, Config, and My Phone) with an icon or menu on the LCD screen.

⑪ Microphone

The microphone when in speakerphone mode and is located under the Navigation buttons.

⑫ Hold Button

This button is used for briefly holding a call without hanging up.

⑬ Speaker Button

This button is used for making a call through the speaker, without using the handset.

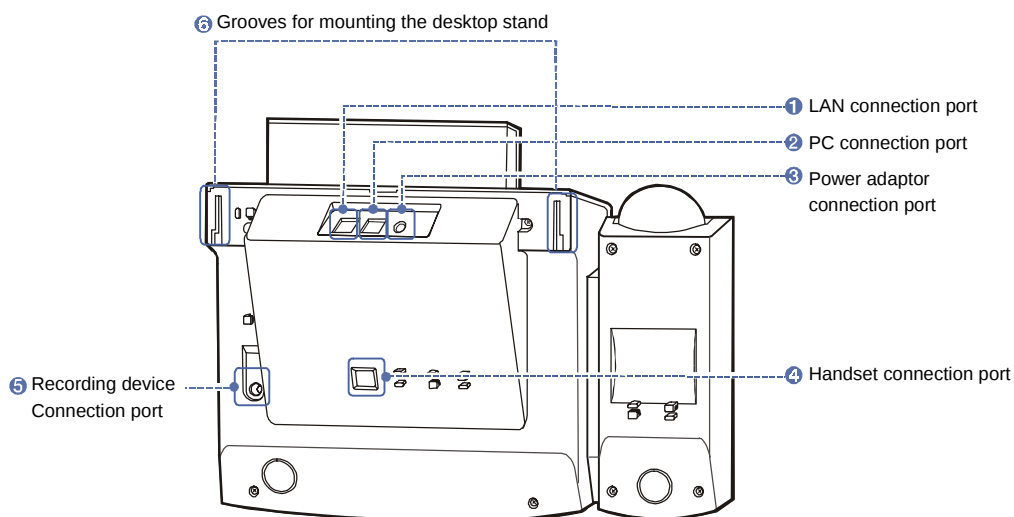
⑭ Dial Buttons

The dial buttons are used for entering numbers and characters.

⑮ Speaker

Used for providing ring tones, paging announcements and in speakerphone mode.

Bottom Panel of the ITP-5012L



1 LAN connection port

Connect the LAN cable connected to the network to this port.

2 PC connection port

Connect the LAN cable connected to your PC's network card to this port.

3 Power adaptor connection port

Connect the power adaptor plug to this port.

4 Handset connection port

Plug the handset cord into this port marked with the  symbol.

5 Recording device connection port

Connect your optional recording device to this port.

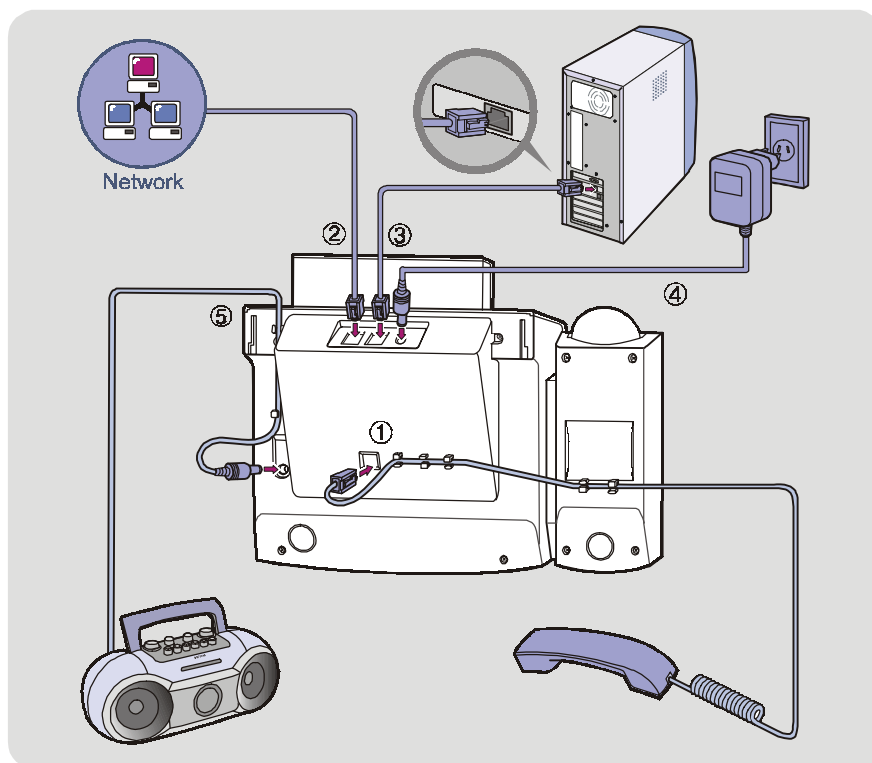
6 Grooves for mounting the desktop stand

When used as the desk phone, assemble the phone stand into these grooves.

4. Assembling the ITP-5012L IP phone

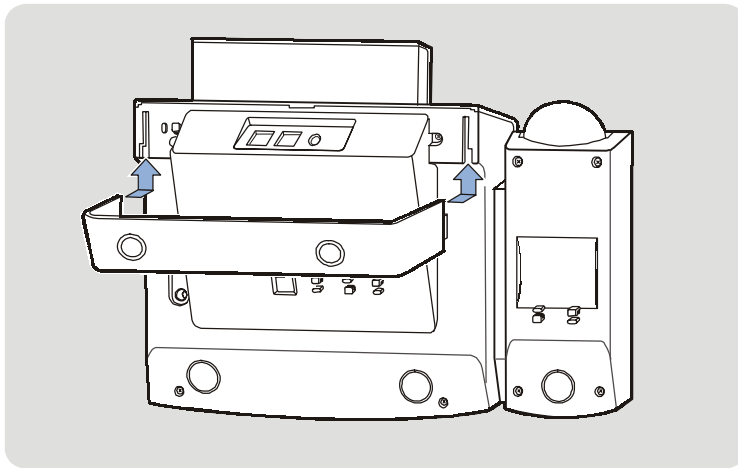
Connecting lines to the phone

1. Connect the handset to the handset connection port.
2. Connect the LAN cable connected to the network to the LAN connection port at the bottom panel of the IP phone.
3. Connect the LAN cable connected to the PC's network card to the PC connection port at the rear of the IP phone.
4. Connect the power adaptor. There is a power connection port for the power adaptor at the rear of the IP phone. Connect the power adaptor cable to this port. Plug the power adaptor into the AC power outlet and the IP phone is automatically booted.
5. To connect an optional recording device to the phone(REC.) to your recorder.
 - This allows you to record your telephone conversations.
 - Prior to recording conversations you must be aware of local privacy laws.



Using the Desktop Stand

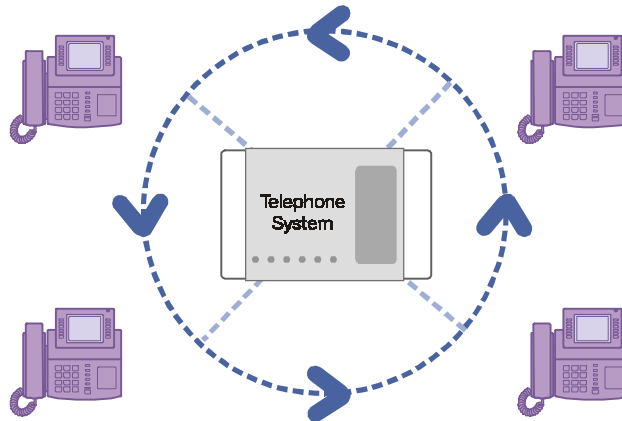
If the phone needs to be used in a desktop environment, insert the desktop stand into the two side holes, which are located at the rear of the phone, and push it in the upward direction, as shown in Figure below.



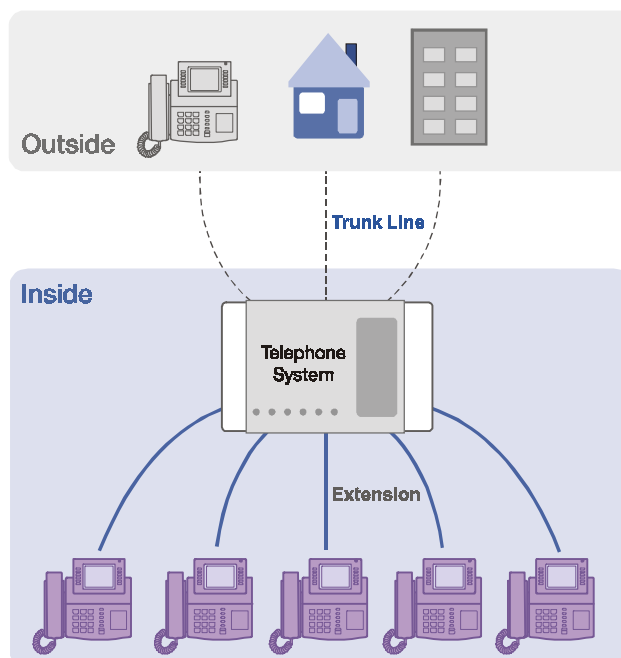
THINGS YOU SHOULD KNOW

1. About Stations and Trunk Lines

A **station** is a digital or IP phone or standard telephone connected to the OfficeServ system.



A **Trunk line** is directly connected to your phone company's telephone network. It allows you to make telephone calls to parties outside your office (for example, your home) or to receive incoming calls from external parties.



2. Introduction of Main Screens

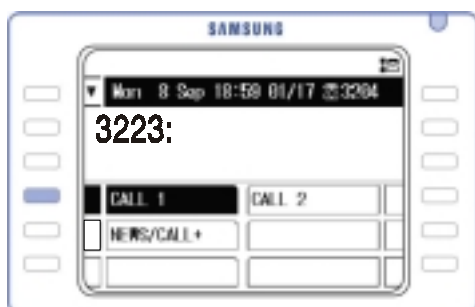
The main screens displayed on LCD of this IP phone are as follows.

Programmable Feature Screen

The programmable feature screen appears when the **[Screen]** button is pressed in standby mode or during a call. In this screen, the various features programmed in the telephone system are displayed such as speed dial keys or station keys.

You can use these features by pressing the **[Select]** button for each feature.

- Example of the Programmable Feature screen during a call



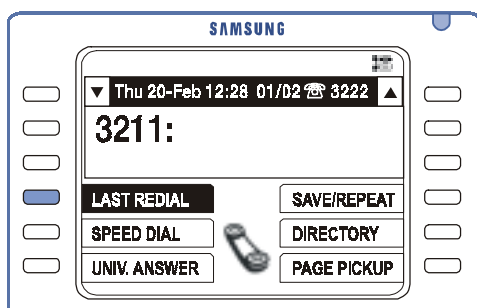
- Example of the Programmable Feature screen that appears when the **[Screen]** button is pressed twice in standby mode



Soft Menu Screen

There are two types of Soft menu screens: a screen that appears during the setup of a call and the other screen that appears when the **[Screen]** button is pressed twice in standby mode. You can use those features by pressing the associated **[Select]** button of each

- Example of the Soft menu screen during a call



- Example of the Soft menu screen that appears when the **[Screen]** button is pressed twice in standby mode



menu.

Background Screen

This is the default screen that appears in standby mode.

- You can use the 'My Phone' menu in the application menus to change this background screen. Refer to the Application Menus section.



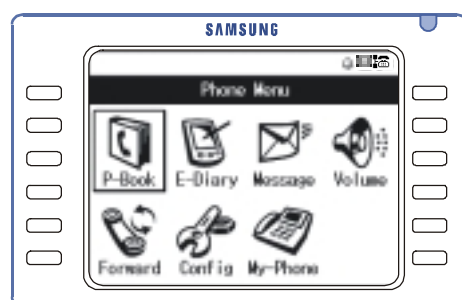
Executive Status Display

This screen appears when the **[Screen]** button is pressed three(3) times during standby mode. The telephone shows this screen only when the Executive/Secretary function is set, and the secretary can conveniently set the executive status appropriate to each situation.



Application Menu Screen

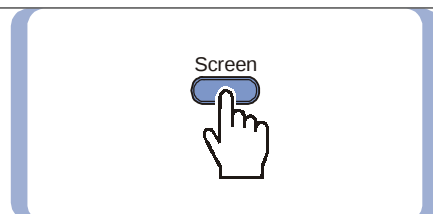
This screen appears when the **[Menu]** button is pressed during standby mode. The Phonebook, E-diary, Message, Volume, Forward, Config, and My Phone menus are displayed with icons.



3. Using the Programmable Feature Screen

In this screen, the various features programmed in the telephone system are displayed such as speed dial keys. You can use the features by pressing the associated [Select] button.

1. When the telephone is in standby mode or during a call, press the **[Screen]** button until the programmable feature screen is displayed.



2. Press the **[Select]** button of the required feature from the displayed features. For example, if you want to use the [Message] feature, you can press the **[Select]** button next to **[Message]**.

- Example of the Programmable Feature screen during a call



- Example of the Programmable Feature screen that appears when the [Screen] button is pressed twice in standby mode



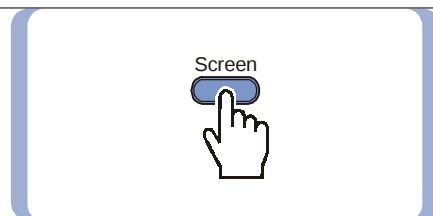
- When the phone is in standby mode, the programmable feature screen, Soft Menu screen, Executive status display and background screen are displayed consecutively whenever the [Screen] button is pressed. Press the [Screen] button until the desired screen appears.
- The features displayed on the programmable feature screen can be tailored to your requirements. Please consult your System Administrator.

4. Using the Soft Menu Screen

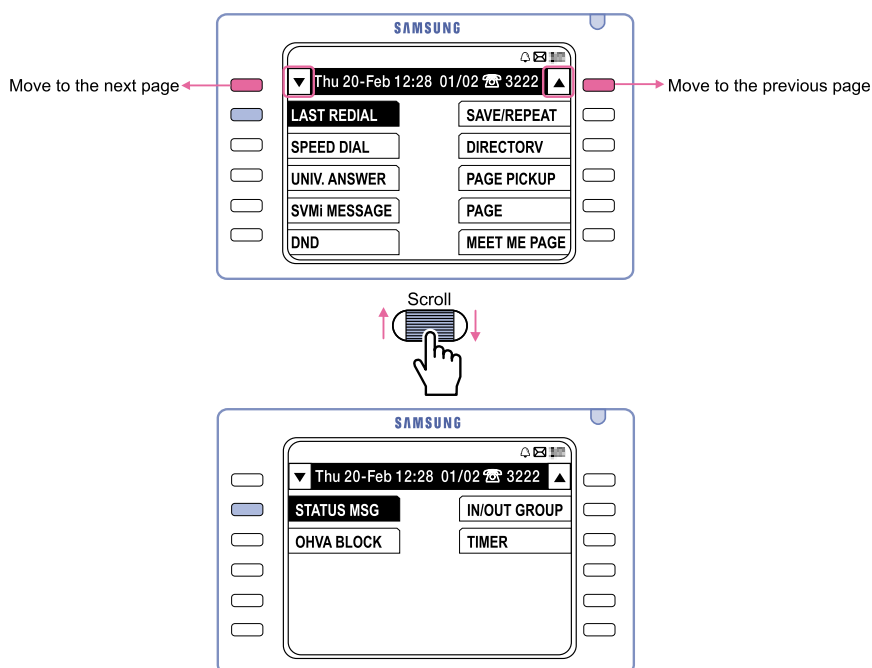
In the Soft Menu screen, the various features that can be used during the setup of a call or during standby mode are displayed. You can use those features by pressing the associated [Select] button.

1. When the telephone is in standby mode or during a call, press the **[Screen]** button until the Soft menu screen is displayed.

- Even if you do not press the **[Screen]** button during a call, the features that can be used during a call will be displayed.



2. Press the **[Select]** button of the desired function from the displayed menus.
For example, if you want to use the [Last Redial] feature, you can press the [Select] button next to [Redial].



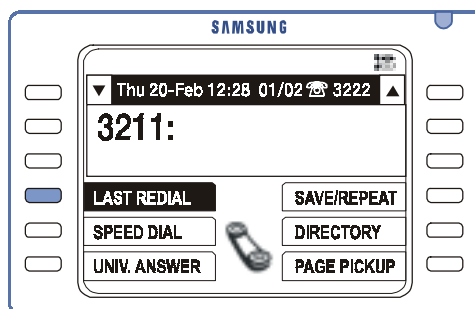
- Moving the Scroll key up and down, allows you to search over multiple menu pages on the soft menu screen.
- You can move to the preferred feature using either the Scroll key or navigation direction buttons.
- The features displayed on the Soft menu screen vary with OfficeServ system versions.

5. Choosing a Function

Because various features of this IP phone are displayed on the LCD screen, you can press the [Select] button corresponding to the desired feature or dial the desired function code. Refer below.

The features available during a call are displayed on the LCD screen.

Press the [Select] button of the desired function.



To use the phone during standby mode, you can press the [Screen] button and bring up the **Programmable Feature screen** or **Soft menu screen** or **Executive Status Display**, and then press the [Select] button corresponding to the desired function.

- The Executive Status Display screen will show up only on the phone where the Executive/Secretary feature is set up.

- Programmable Feature Screen

- Soft menu screen



- For the main screen, refer to the 'Introduction of Main Screens' section.
- If you want to use the function code to activate a function, refer to the next page.
- If you want to see additional menu pages or text on the LCD screen, scroll up and down using the [Scroll] key, direction buttons or next page [Select] button.

6. Using a Function Code

Many of the OfficeServ system functions can be invoked by dialling function codes. Please refer to the table below for the default function codes (these may be changed in your system, refer to your System Administrator.).

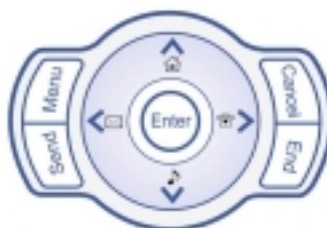
Dial Button	Functions	Dial Button	Functions
2XX(Note)	Station number	49	Flash
3XX(Note)	Station number	53+grp+0	Delete from the group
7XX(Note)	Trunk line	54+zone	Page forward
8X	Trunk group number	55+0/1/2/3/4	Page 0/1/2/3/4 internal zone
0	Trunk group number	55+5/6/7/8	Page 1/2/3/4 external zone
10+XXX	Answer a call in standby mode	55+9	Page all the external zones
11	Set/Clear a call on hold	55+*	Page all the zones
12+ XXX	Pick up a call on hold from another station	56	Meet Me Page pickup
13	Door open	59	Change to self station level
16+XXX	Set speed dials	65	Direct call pickup
17	Dial the saved numbers	66	Group call pickup
19	Redial	67	Universal Answer
41	Leave a message	400	Cancel DND
42+XXX	Cancel a message	401	Set DND
43	Set/Return a message	500-5XX (Note)	Station Group
44	Reserve access to station/ Trunk line during a call	600	Clear all forwarding calls
45	Wait for a busy extension	601+XXX	Forward all calls
46	Conference	602+XXX	Call forward on busy
47	Enter a billing code	603+XXX	Call forward on no answer
48	Assign a station message	604+XXX	Call forward on busy/no answer



- Extension, trunk and station group numbers can be 3 or 4 digits.
- If the table above does not have the desired function code or the function code does not match with the desired function, the system's numbering plan may have been changed, please consult with your System Administrator.

7. Entering Characters

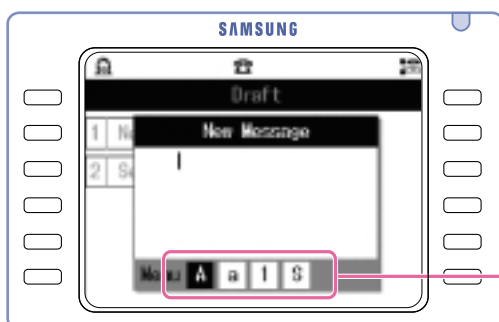
Using the dial buttons and the navigation buttons of this phone, you can easily enter/edit, letters, numbers and special characters.



Selecting an Input Mode

When the input screen appears, press the **[Menu]** button until the required input mode is selected.

- Example of Character Input Screen



- A** : Alphabet Capital Letters Input Mode
- a** : Alphabet Lowercase Input Mode
- 1** : Numeric Input Mode
- S** : Special Characters Input Mode



- The default input mode is set to English.

EMBED Entering Letters of the Alphabet

1. Press the **[Menu]** button to select the alphabet input mode. Use the  direction button to move a cursor.
2. Then, press the dial buttons to modify or insert the desired letters.
If the letter to enter is the same as the previous character, press the  direction button to move the cursor one space to the right or wait until the cursor moves automatically after a 3 second delay.

The location of alphabet letters on dial buttons is as follows.

Dial Button	Alphabet	Dial Button	Alphabet	Dial Button	Alphabet
			A B C		D E F
	G H I		J K L		M N O
	P Q R S		T U V		W X Y Z
	* / .				# @ -

- Press the button repetitively until the desired alphabet letter appears.
e.g.) Dial  twice to enter K.
Dial  three times to enter L.
- To enter another letter from the same button sequentially, enter the first letter, wait for about 3 seconds, and then press the button again.
 - Press the  direction button to insert blank.
 - To insert a blank between the entered characters, press the  buttons to move a cursor to a character that will be right next to the blank, and press the dial button [0] once.
- Press the **[Cancel]** button to delete any characters one by one. Press the **[Cancel]** button for more than 2 seconds to delete all characters.

Entering Special Characters

1. Press the **[Menu]** button to select the special character input mode.
2. Then, the special characters that can be selected will be displayed on the lower part of the character input screen.

Press  direction button, to select the special characters and press the **[Enter]** button. or

Press  direction button to select another type of special characters.



- Press the dial button [0] to insert a blank.
- Press the **[Cancel]** button to delete special characters one by one.
Press the **[Cancel]** button for more than 2 seconds to delete all characters.

Entering Numbers

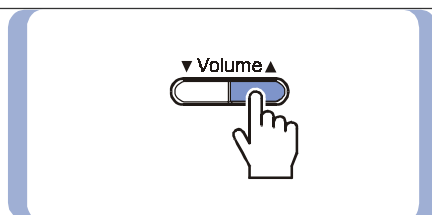
Press the **[Menu]** button to select the numeric input mode and then press the dial button associated with the desired number.

8. Volume Adjustment

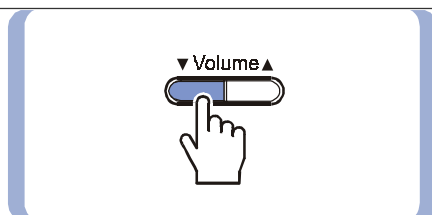
[▼Volume▲] button is used for adjusting the volume of the handset, speaker, and ringer.

Adjusting Handset Volume

1. During a call using the handset, press the [Volume▲] button to increase the handset volume.

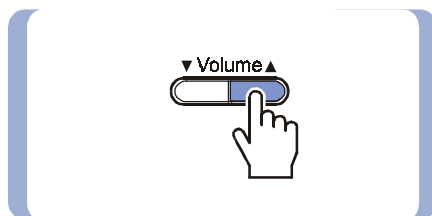


2. Press the [▼Volume] button to decrease the handset volume.

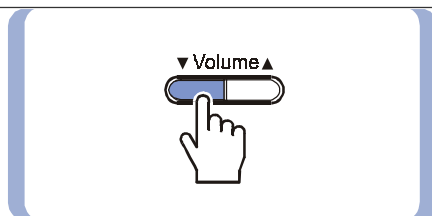


Adjusting Speaker Volume

1. During a call using the [Speaker] button, press the [Volume▲] button to increase the speaker volume.

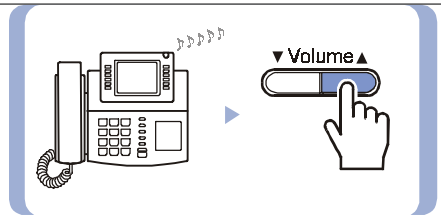


2. Press the [▼Volume] button to decrease the speaker volume.

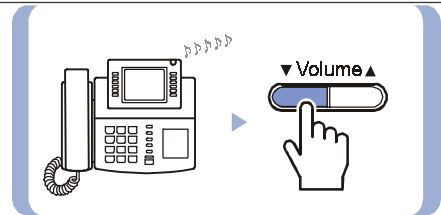


Adjusting Ring Volume

1. To increase the ring volume, press the **[Volume▲]** button while the phone is ringing.



2. To decrease the speaker volume, press the **[▼Volume]** button while the phone is ringing.



- In order to set the required volume of the various options for this IP phone, refer to the 'Volume Menu' of 'Application Menus' described in this guide.

9. Types of Signal Tone

The types of signal tone used in this telephone system are described in the following table.

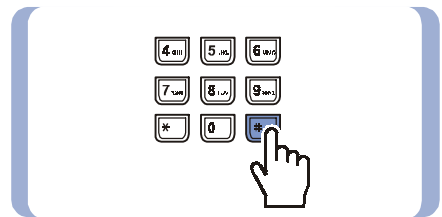
Signal Tone Name	Usages	Signal Interval
Dial tone	A steady tone that indicates you can begin dialling.	Trunk. Line Continuous Station 1s ON/0.25s OFF
Ring back tone	Indicates the station you dialled is ringing.	1s ON/ 2s OFF
Busy tone	Indicates the station you dialled is busy.	0.5s ON/ 0.5s OFF
Transfer tone	Indicates your call is being held and you can dial another station.	0.1s ON/ 0.1s OFF
Confirmation tone	Very short beeps that indicate you have correctly set or cancelled a system feature.	0.05s ON/ 0.05s OFF

* The Signal Interval may vary for each country.

10. Changing the Dial Mode

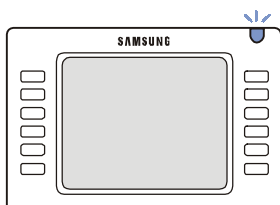
The OfficeServ system allows you to dial to the local telephone network using either pulse (mechanical) or tone dialling modes.

To change from pulse(mechanical) dial mode to tone dial mode, press the [#] button while dialling an external number. Then, every number pressed after the [#] button will be transmitted in tone mode(electronic mode).



11. Telephone Status Indicator

The status indicator turns on or off according to the telephone status.



Situation	Status Indicator
Busy	Steady red.
Station Ring	Flashing red.
Trunk Ring	Flashing blue.
Recall Ring	Flashing purple.
Message Camp On	Flashing red.
DND	Fast flashing red within 1-second interval.

12. Button LED

The [Transfer] button, [Hold] button, and [Speaker] button have a LED that turns on or off according to the phone status.

- [Transfer] button LED • • • • 

LED Status	Function
Steady red	When 'Forward All Calls' is set or a Follow-me has been set.

- [Hold] button LED • • • • 

LED Status	Function
Flashing red	When the phone is locked for any outgoing Trunk call.
Steady red	When the entire phone is locked.

- [Speaker] button LED • • • • 

LED Status	Function
Steady red	When the phone is used as a speakerphone.

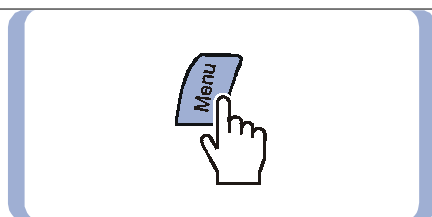
GETTING STARTED

This chapter describes the procedure for setting the user environment after installing and booting the ITP-5012L IP phone.

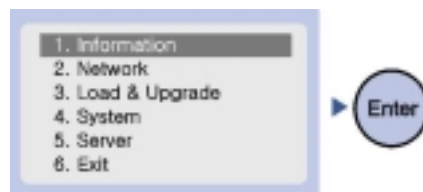
1. Entering the Environment Setup Mode

When the IP phone is first installed or the system settings have changed, you must set the data network environment settings through the environment setup menu. This menu also allows you to designate the TFTP server for upgrading the IP phones programs.

1. Connect the power adaptor while pressing the **[Menu]** button.



2. The environment setup menu appears on the LCD screen.
Press the **[↖/↗]** direction button to move to between the menus, and press the **[Enter]** button to select.



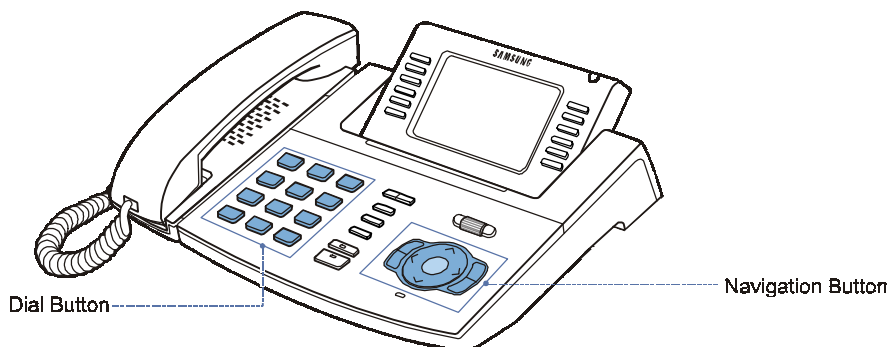
Setup Menu Structure

Setting items are built in the below structure.

1. Information	1. Version 2. Network 3. Load Option 4. MAC address		
2. Network	Manual IP	DHCP	PPPoE
	1. Mode 2. IP 3. Netmask 4. Gateway	1. Mode	1. Mode 2. ID 3. Password
3. Load & Upgrade	1. Load Option 2. Upgrade Program 3. Upgrade Bootrom 4. Format		
4. System	1. Password(* Not Used)		
5. Server	1. Server IP 2. ID 3. Password		
6. Exit			

2. Editing

The buttons and functions below are used for selecting a menu from the LCD screen and entering/cancelling/saving a value.



Moving between Menus

- Press the [$\wedge$]/[$\vee$] direction button to move to a menu and press the [Enter] button, or press the number of the menu using the dial buttons from [0] to [9].
- Press the [Menu] button to move to the environment setup main menu.
- Press the [End] button to move to the previous menu without saving the entry.
- Use the [$\wedge$]/[$\vee$] direction button to move to other menus.

Entering Numbers, Characters, and Period(.)

- Enter a number or character using the dial buttons [0]~[9].
- Press the [*] button to enter a period.
(Refer to the 'Entering Characters' section of 'Things You Should Know' for procedures on entering characters.)

Deleting Entries

- Press the [<] button or [Cancel] button to erase entries by moving the cursor to the left.

Saving Entries

- Press the [Enter] button to save the entries.

Cancelling Settings

- Press the [End] button to move to the previous menu without saving the entry.

3. Network Settings

You can verify or change the network environment.

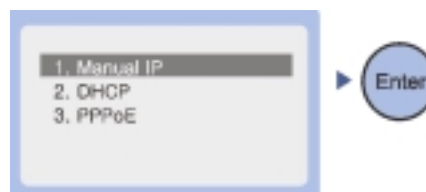
1. Use the [**^**]/[**v**] button to move to the [2. Network] menu and press the [**Enter**] button.



2. Move to the [1. Mode] submenu and press the [**Enter**] button.



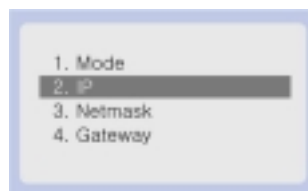
3. Select [1. Manual IP] menu to directly enter the phone's IP address.
 - Select [2. DHCP] to let your data network automatically allocate the IP address. The IP Address, Subnet Mask, and Gateway values are automatically set and are not displayed on the LCD screen.
 - Select [3. PPPoE] to use a broadband network such as ADSL. In this case, you should enter the ID and password which was given from broadband network supplier.



4. After selecting the required mode a message confirming the mode is displayed for 2 seconds.



5. The upper menu is displayed again.



6. Select **[2. IP]** to display the current IP address of the IP phone.
No address is displayed if an IP address is not set.

Use the dial buttons [0]~[9] and [*] to enter a new IP address, and press the **[Enter]** button.

- Be careful not to enter a duplicate IP address since the data network will not support duplicated IP addresses.



7. Select **[3. Netmask]** to display the current Netmask address of the IP phone.
To change the Netmask address, enter a new address and press the **[Enter]** button.



8. Select **[4. Gateway]** to display the current Gateway address of the IP phone.
To change the Gateway address, enter a new address and press the **[Enter]** button.



4. Load & Upgrade Settings

You can verify or change the upgrade environment of the IP phone.

1. Use the [^]/[v] button to move to the **[3. Load & Upgrade]** menu and press **[Enter]** button.



2. The submenus are displayed.



3. Select **[1. Load Option]** and designate the source of program for the IP phone.
 - Select **[1. File System]** to operate programs saved in the IP phone flash memory.
 - Select **[2. TFTP down run]** to download programs saved in the TFTP server to the RAM memory of the IP phone.



- When you select [2.TFTP down run], you must consult System Administrator to know the location of the server.

4. The **[2. Upgrade Program]** menu is used for upgrading the phone's program. Enter the IP address of the TFTP server from which the program should be downloaded.

Press the **[Enter]** button to start the program download process.

If the correct TFTP server IP address is programmed press **[Enter]** to start the download process.



5. The **[3. Upgrade Bootrom]** menu is used for upgrading the phone's Bootrom. Enter the IP address of the TFTP server from which the Bootrom program should be downloaded, and press the **[Enter]** button.

- The IP phone is rebooted after downloading the Bootrom program and the Environment Setup Main Menu appears. At this time, you don't need press the [Menu] button.



6. The **[4. Format]** menu is used to delete previously saved programs. Check with your System administrator before using this option.



- After formatting the IP phone, download a new program through the [2. Upgrade Program] menu.

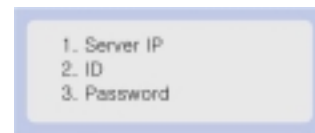
5. Setting System Authentication Information

This function is used to set the IP address of the OfficeServ system connected to the IP phone and the authentication ID and password of the IP phone. The ID and password of this menu are used when initially setting the IP phone and are not required while using the functions of the IP phone. If a function of the IP phone(such as Lock) requests a password, enter the system password set the Config/Password menu.

1. Use the [**^**]/[**v**] button to move to the **[5. Server]** menu and press the **[Enter]** button.



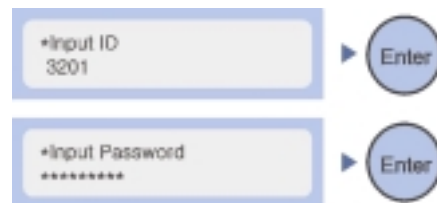
2. The submenus are displayed.
 - If the OfficeServ system is set to request the ID and password of the IP phone, **[2. ID]** and **[3. Password]** shall be entered.



3. The **[1. Server IP]** menu is used for verifying or changing the IP address of the OfficeServ system. Verify the current IP address of the OfficeServ system before making any changes. To change the IP address, enter a new address and press the **[Enter]** button.



4. **[2. ID]** and **[3. Password]** are user information required for connecting to the OfficeServ system. Contact your System Administrator for the correct ID and password.

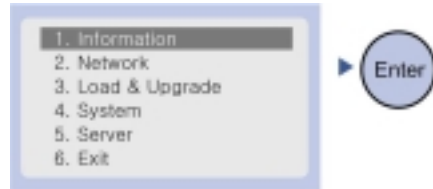


- The ID is composed of maximum 16 letters and numbers(Capital and lower case letters are not distinguished). The password is composed of a maximum 8 numbers. The password is displayed as * when entered.

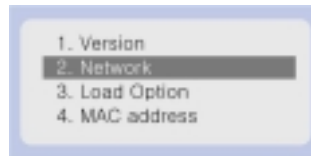
6. Verifying Settings

You can verify the IP phone settings after setup.
Incorrect settings can be adjusted after verification.

1. Use the [**^**]/[**v**] button to move to the **[1. Information]** menu and press the **[Enter]** button.



2. The submenus are displayed.
Select each menu and verify the settings.
Check, the **[2. Network]** menu settings are correct before using the IP phone.



7. Exiting Setup

This option will exit the environment setup menu and reboot the IP phone.

1. Return to the main menu of environment setup and select the **[6. Exit]** menu and press the **[Enter]** button.



2. The settings are saved and the IP phone is rebooted.



- You should consult your System Administrator prior to changing any environment settings of the IP phone.

MAKING A CALL

1. Before Making a Call

The calling methods and features are summarized in the following table.

The detailed description corresponding to each feature then follows.

Call Type	Intercom Calls	Outside Calls
Calling method	Handset, speakerphone	
Feature	- Making an intercom call - Intercom callback - Call waiting - Calling the system operator	- Making an outside call - Redial - Automatic redial - Trunk line callback - Trunk line recall - Call waiting in a parking orbit - Changing Trunk line level/Using a billing code - Save/Repeat - Calling the saved number
	- Calling from the lists of the latest called numbers/incoming calls - Dialling from recent call log - Speed dialling - Searching/Dialling from the System directories by name - Conference Call	

Dialling Modes

The ITP-5012L IP phone allows you to choose between 2 dialling modes, Overlap and Enbloc. Refer to the Application Menus/Configuration section later in the manual for more information.

- Overlap dialling allows you to commence the calling process immediately you dial the first digit. If you dial without lifting the handset first, the IP phone will automatically turn on speakerphone.
- Enbloc dialling allows you to enter the number first, thus giving you time to review and change the number. You then press the **[Send]** button to make the call using the handset or speakerphone.

The following features descriptions for making calls is based on the Enbloc dialling mode.

Calling Methods

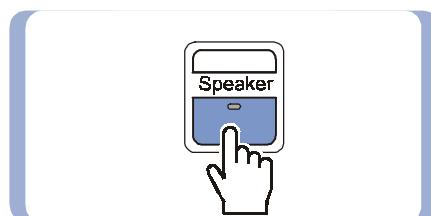
- **Using a handset**

This function allows you to lift the handset and make a call.



- **Using a speakerphone**

This function allows you to make a call through the speakerphone without lifting the handset.

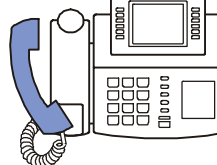


2. Making an Intercom Call

This function is used when you want to make a call to other stations.

Calling Other Stations

1. Lift the handset.



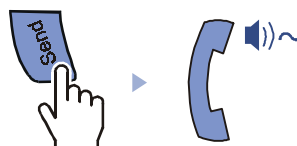
2. Dial the extension number of the other party.

- Or, press the [Select] button corresponding to the extension number in the programmable feature screen.

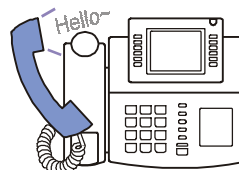


3. Press the [Send] button and ring tone will be heard.

- If beep tones are heard, without ring tone, the station you called is set for a voice announcement or an automatic answer function. After the beep tones end, you can speak to the called party through their station speaker.



4. Begin speaking after the other party answers.



Calling Through a Speakerphone

- Dial the extension number without lifting the handset and press [Send].
- Listen to the speaker to hear a voice of the other party and speak through the microphone.
- You can switch from the speakerphone to the handset by lifting the handset.
- Press the [Speaker] or [End] button to hang up the call on the speakerphone.

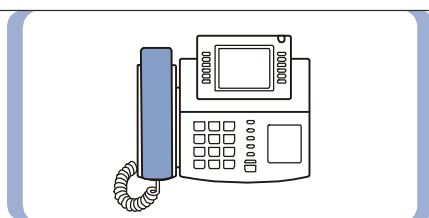
Busy Station Callback

When you call another station and receive a busy signal, this function allows you to set a callback reservation for when the other station becomes free.

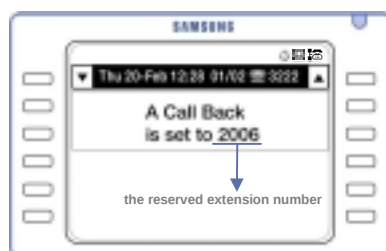
1. When another station is called and a busy tone is heard, press the **[Select]** button corresponding to **[CALLBACK]** displayed on the LCD screen.



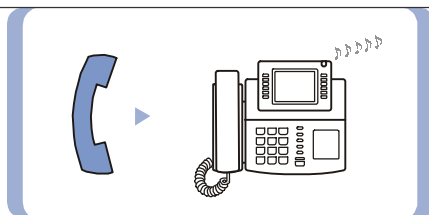
2. Replace the handset after confirmation tone is heard.



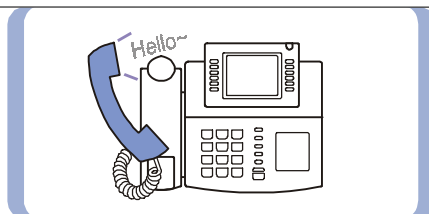
3. When the busy station becomes free, your phone will ring. At this time, the LCD screen will display a callback message.



4. Lift the handset to call the now idle station.



5. Begin speaking after the other party picks up the phone.



- A callback will be cancelled if not answered within 30 seconds.
- After the call is finished, the callback reservation will be automatically cleared.
- Callback can also be set for a station user that does not answer your call. The callback will occur after the called station user next uses their phone.

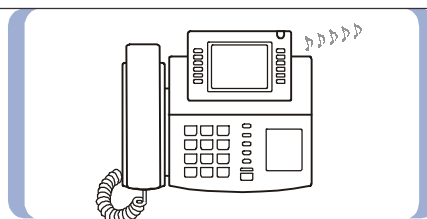
Busy Station Camp-On

When you call another station and receive a busy signal but you do not want to wait for a callback, this function allows you to camp on to the busy extension.

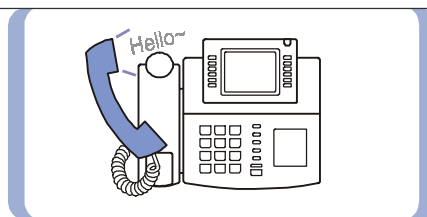
1. After calling a busy station, press the **[Select]** button corresponding to the **[CAMP ON]** displayed on the LCD screen.



2. The called station will receive off-hook ring tone repeated every few seconds to indicate that your call is waiting.



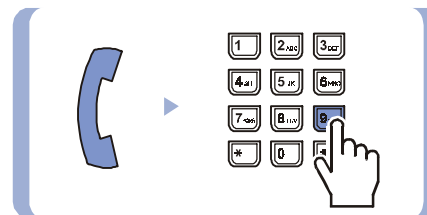
3. Wait for the called party to answer.



- The called station must release its first call or place it on hold before answering the camp-on.

■ Calling your system operator

Dial **[9]** to call the system operator or a group of operators. If a specific operator needs to be called, dial that person's extension number.



3. Making an Outside Call

Making an Outside Call

1. Lift the handset and dial the trunk access code [0] and then dial the telephone number of outside party.

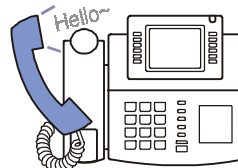
- Or, press the **[Select]** button corresponding to the trunk line required in the programmable feature screen and dial the outside telephone number.



2. Press the **[Send]** button to make the call.



3. Begin speaking after the other party picks up the phone.



Calling Through a Speakerphone

- Dial the trunk access code followed by the telephone number without lifting the handset and press **[Send]**.
- Listen to the speaker to hear the voice of the other party and speak through the microphone.
- You can switch from the speakerphone to the handset by lifting the handset.
- Press the **[Speaker]** button to hang up the call on the speakerphone.

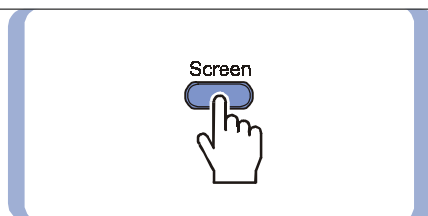


- In overlap dialling mode, if the Hot Keypad feature has been turned off, you must press the **[Speaker]** button first then dial the trunk access code and telephone number required.
- Refer to Section '8. Application Menu/Configuration/Station On/Off' for more details.

Redial

This function allows you to redial the last external number dialled.

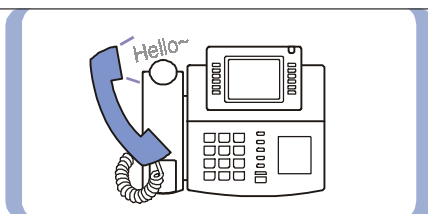
1. When the phone is in standby mode, press the **[Screen]** button repeatedly until the Soft menu screen appears.
 - Or, dial **[1][9]**, the function code for redial, and then press the **[Send]** button.



2. Press the **[Select]** button corresponding to **[LAST REDIAL]** displayed on the Soft menu screen.



3. Begin speaking after the other party picks up the phone.



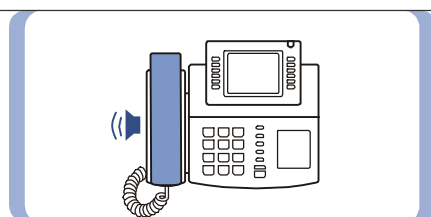
Automatic Redial

After making an outside call and receiving busy tone, your IP phone can redial the called number automatically. It can redial up to 99 times at the preprogrammed interval.

1. Upon hearing a busy tone, press the [Select] button corresponding to the [Retry].

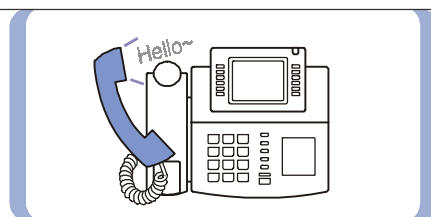


2. The system reserves the line and redials the same number automatically.
You can hear the call setup tones through the speaker. At this time, the microphone is automatically disabled.



3. When the other party answers, you should lift the handset or press the [Speaker] button or the [Send] button.

- You must respond within 10 seconds.
(An automatic redial will be cancelled if not answered within 10 seconds.)



- When you dial to another number, the automatic redial is cancelled.
- To cancel automatic redial, lift and replace the handset.

Busy Line Queuing With Callback

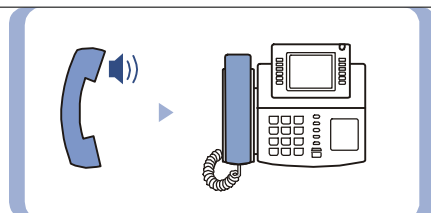
If you receive a busy signal when selecting an outside line, this means that the line or group of lines is busy. This callback function allows a call to be placed in queue waiting for a free outside line.

1. If busy tone is heard when selecting a trunk line, press the [Select] button corresponding to **[CALL BACK]** displayed on the LCD screen.

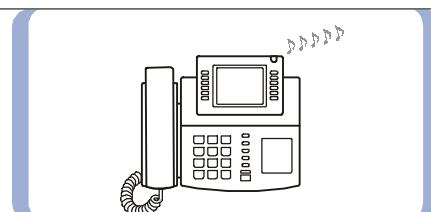


2. Replace the handset after the confirmation tone is heard.

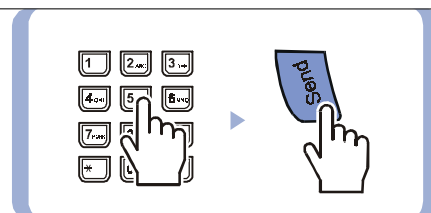
- If the [Hold] button is pressed when the confirmation tone is heard, the first callback that has been set will be cancelled.



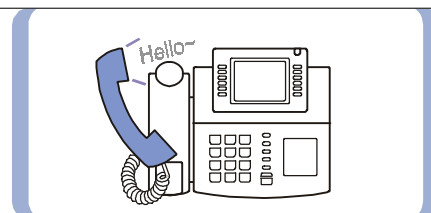
3. When the busy line becomes available, your phone will ring.



4. Lift the handset or press [Speaker] and a dial tone will be heard.
Dial an outside telephone number and press the **[Send]** button.



5. Begin speaking after the other party picks up the phone.



- A callback will be cancelled if not answered within 30 seconds.

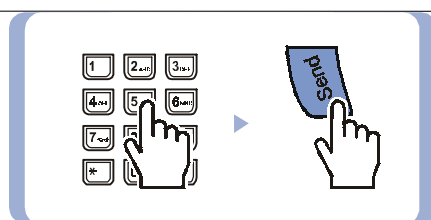
Making a New Call

This function allows you to disconnect the existing call and make a new call on the same line.

1. While on a call, press the [Select] button corresponding to **[NEW]** menu displayed on the LCD screen. This will disconnect the current call and provide dial tone.



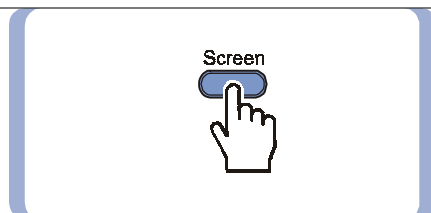
2. Dial an outside telephone number and press the **[Send]** button.



Call Park

This function allows you to place a call in a 'parking orbit' and announce the call over a paging system for someone to pick up. There are a total of 10 parking orbits and a call can be parked in one of these orbits.

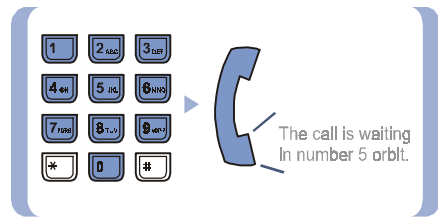
1. During a call press the **[Screen]** button until the Programmable feature screen is displayed.



2. Press the **[Select]** button corresponding to **[PARK]** on the Programmable feature screen.



3. Dial the orbit number(0~9) to park the call and announce the orbit number for the required party to answer the call.



4. To retrieve a parked call press the [Select] button corresponding to [PARK] on the Programmable feature screen and dial the orbit number.



About the Call Park and Orbit

'Call Park' means that you can park a call to allow someone to pick it up at another location. The storage places are called 'orbits' and there are a total of 10 orbits. The current call can be parked in one of those orbits and the relevant orbit number (storage place) can be announced. Then, someone can take the call out of the parking orbit.

A Park key can be programmed with a dedicated park orbit number(0-9). Calls can be parked and retrieved by pressing the Park Orbit button. When a call is parked in the orbit associated with the Park Orbit button it will flash to indicate a parked call on all stations with that Park Orbit key programmed.

Using Authorization or Account Codes

These functions restrict access to outside lines without inputting a valid code. The system then prints these codes out with the call details on a call details report.

Using Authorization Codes

If the telephone system asks for an authorization code before you make an outside call, press the [Select] button corresponding to **[AUTHORIZE]** on the screen and dial a valid authorization code.



Using an Account Code

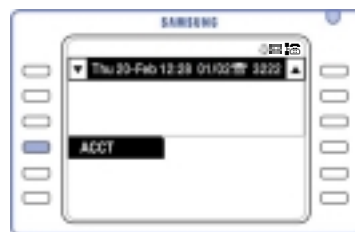
The OfficeServ system can be programmed to force an account code entry prior to making outside calls or at anytime during the call if it is not forced. This allows the system to report calls against specific account codes in the call details report.

1. For forced entry of account codes, lift the handset and press **[Send]** in Enbloc dialling mode or lift the handset in Overlap dialling mode.



2. Press the **[Select]** button corresponding to **[ACCT]** on the screen.

- Or, dial **[4][7]**, the function code for using an account code.



3. Enter the account code.



4. Press again the **[Select]** button corresponding to the **[ACCT]** menu on the screen.

- This will not affect your telephone call.
- To enter an Account code during a call follow steps 2 to 4.



- If a wrong account code was entered, press the **[Select]** button for **[ACCT]** twice and enter the correct account code. Then, only the last account code that you entered will be printed out.
- Please consult your System Administrator for more details.

Saving the Telephone Number

You can save the current dialled outside number for later use and redial the number.

Press the **[Select]** button for **[SAVE/REPEAT]** before hanging up the call, to save the phone number that has just been called.



Redialling the Saved Number

You can redial the saved number anytime.

Press the **[Select]** button for **[SAVE/REPEAT]** in the Soft Menu screen or dial **[1][7]**.

- **[1][7]** is the function code for redialling the saved number.



- The saved number is stored in the memory until you save another outside number.

4. Dialling Features

Calling From the Lists of the Latest Called Numbers/ Incoming Calls

The Application Menu is used for this function.

Please refer to the 'Recent Caller IDs' section in the 'Phone Book' part of 'Application Menus' in this guide.

Dialling from your Recent Call Log

1. Press the **[Send]** button briefly while in standby mode.

- If the **[Send]** button is pressed and held about 2 seconds, you can redial the last number dialled.



2. Up to 60 numbers of recently made or received calls will be listed in the order they were dialled/received. An icon to the left of each number will indicate whether it was an outgoing or an incoming answered or missed call.



3. Use the direction button or **[Scroll]** button to move the cursor to the desired telephone number or name.

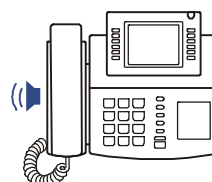


4. Press the **[Send]** button or the **[Enter]** button.

- If the **[Send]** button is pressed, the call is connected to the number or name selected. If the **[Enter]** button is pressed, you can view information about the call including the caller's name, time and date of connection, and call duration. After viewing the information, you can press the **[Send]** button to dial the number.



5. The call will be made using the speakerphone. You can switch from the speakerphone to the handset by lifting the handset.

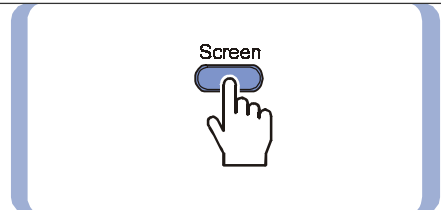


Speed Dialling

The OfficeServ system can store up to 500 frequently dialled telephone numbers in the system speed dial list. In addition you can have up to 50 personal speed dial numbers stored in the system.

- You can dial a preprogrammed telephone number stored in the system-wide speed dial list of numbers 500-999 or from your personal list of numbers 00-49.

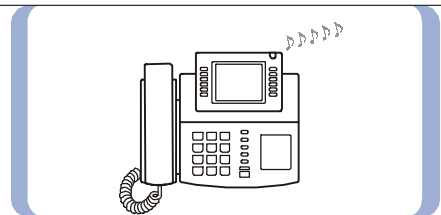
- When the phone is in standby mode press the **[Screen]** button repeatedly until the Soft menu screen appears.
 - Or, press the **[Speaker]** button or dial **[1][6]**, the function code for speed dialling.



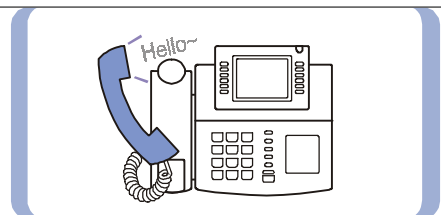
- Press the **[Select]** button corresponding to the **[SPEED DIAL]** button displayed on the Soft menu screen.



- Dial the speed dial number required and, the associated telephone number will be dialled automatically.



- The phone of the other party will ring. Begin speaking after the other party picks up the phone.



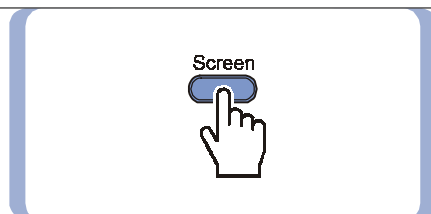
- The ITP-5012L also has an internal Phone Book for storing frequently called numbers. Refer to the 'Phone Book' section of 'Application Menus' for the use of the internal Phone Book function.
- The system speed dial numbers from 500 to 999 are registered by the System Administrator, so any telephone user can use these system-wide speed dial numbers.
- The personal list of numbers from 00~49 are personally registered numbers that can be only used on your station. The station may be assigned up to 50 in multiples of 10. The System Administrator determines the maximum number of personal speed dial numbers available to you.

Dialling from the Directory Name

The OfficeServ system maintains an online directory for extensions, system and personal speed dial names. The extension number or the speed dial number can be selected from the directory name list, which is in alphabetical order.

1. When the phone is in standby mode, press the **[Screen]** button repeatedly until the Soft menu screen appears.

- Or, press the **[Speaker]** button.



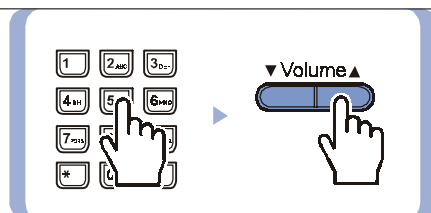
2. Press the **[Select]** button for the **[DIRECTORY]** menu.



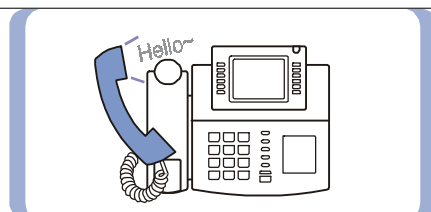
3. Press the **[Select]** button corresponding to the directory that will be used : **[PERSONAL DIR]**, **[SYSTEM DIR]** or **[STATION DIR]**.



4. Enter the first letter of the desired name and search for the desired name by using the **[▼Volume▲]** button.



5. Press the **[Select]** button for **[DIAL]** after the desired name is selected to make the call.

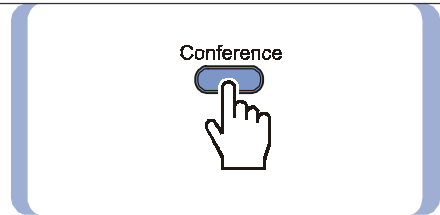


- Please refer to the 'Entering Characters' section of 'Things You Should Know' part in this guide for entering characters.
- Specific Directory buttons can be placed in the Programmable features screen for single button access to each directory required.
- Please consult your System Administrator for details.

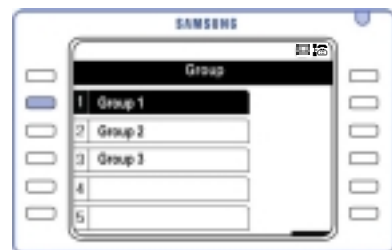
Conference Call

Up to 5 members, including you, can participate in a conference simultaneously.

1. Press **[Conference]** button in the standby mode.



2. Press the **[Select]** button for **[Group]** in the conference screen to display the group list.



3. Press the left **[Select]** button of the entry box and enter the phone numbers of the participants.

And press the **[Enter]** button.

- To save the entered phone numbers in the group, press the **[Menu]** button.
- You can set or cancel the participant by pressing the right **[Select]** button.



4. Press the **[Select]** button of the **[Send All]** menu.

The conference connection status of all the numbers is displayed.

- To disconnect a number from the conference, press the **[Select]** button of the **[Delete]** menu on the right side of the number.

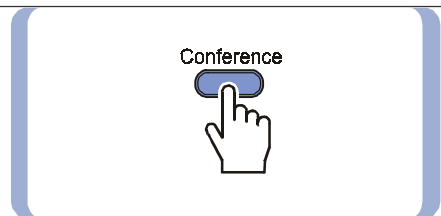


- If you press the **[Transfer]** button and dial the conference function code **[4][6]**, you can use the conference function to add additional parties. Please follow the displayed instructions.

Conference Groups

You can establish a conference simply by selecting one of 5 possible groups and the conference will be setup automatically. You can also review and edit the members of each group.

1. Press the **[Conference]** button in the standby mode.



2. Press the **[Select]** button for **[Group]** in the conference screen to display the group list.

- You can load or delete a number in the group by moving to the group and pressing the **[Menu]** button.
Select **[Save]** to save the entered number to the group.

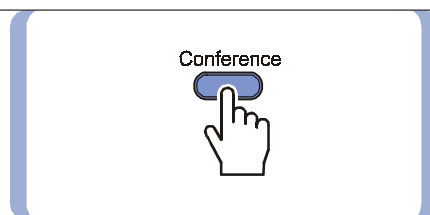


3. Press the **[Select]** button for the required group to display the members of the group. Press the **[Select]** button for **[Send All]** to establish the conference.

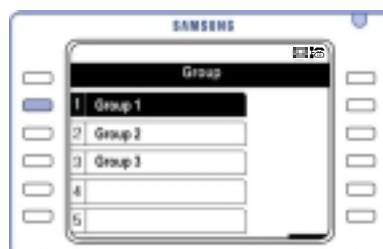


To establish a new Conference Group

1. Press the **[Conference]** button in the standby mode.



2. Press the **[Select]** button for **[Group]** in the conference screen to display the group list.



3. Press the left **[Select]** button of the entry boxes and enter the phone numbers of the participants. Press the **[Enter]** button after each participant to activate each member.
 - Each activated member is indicated by a black square in the entry box on the right hand side of the conference screen.



4. Press the **[Menu]** button. In the pop menu select the **[Save]** option.



5. Enter the name of the group and press the **[Enter]** button to save.
 - You can verify that the group has been saved by pressing the **[Enter]** button when the new group is highlighted.





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ANSWERING A CALL

1. Before Answering a Call

The call answering methods and features are summarized in the following table.

If you want to learn how to use each feature, please refer to the detailed description corresponding to each feature.

Call Type	Intercom Calls	Outside Calls
Call Answering methods	Handset, speakerphone	
Feature	- Answering an intercom call - Automatic answering mode - Broadcast answering mode	- Answering an outside call - Universal Answer
	- Station Call Pickup - Group Call Pickup - Answering a waiting call	

Call Answering Methods

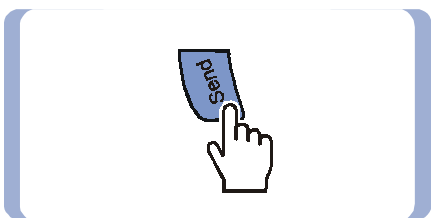
- **Using a handset**

This function allows you to lift the handset and answer a call.



- **Using a speakerphone**

This function allows you to answer a call through the speakerphone without lifting the handset.



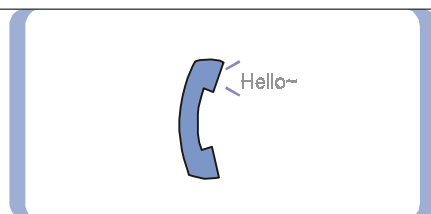
2. Answering an Intercom Call

Answering a Ringing Intercom Call

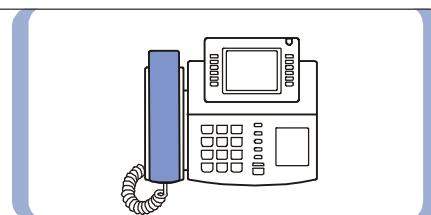
1. When the phone rings, a call receipt message will be displayed on the LCD screen.



2. Lift the handset and the ringing call will be automatically connected you.



3. Replace the handset after a conversation is over.



Answering Using the Speakerphone

- Press the [Send] button, without lifting the handset.
- Listen to the speaker to hear a voice of the other party and speak through the microphone.
- You can switch from the speakerphone to the handset by lifting the handset.
- Press the [Speaker] button to hang up the call on the speakerphone.



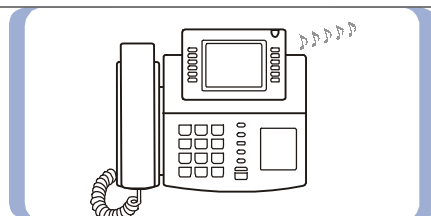
- Press the [▼Volume▲] button while the bell is ringing to adjust the ring volume.
- When a call arrives and a call receipt message appears on the LCD panel, but the bell does not ring, you should lift the handset to answer the call.

Automatic Answering Mode

This function allows you to answer a station call on your phone where the intercom answering mode has been programmed for automatic answer.

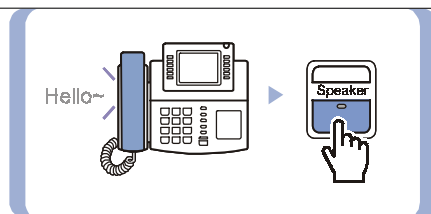
- Please refer to the 'Setting the Answering Mode' section in the 'Configuration' part of 'Application Menus' described in this guide.

1. When an incoming call arrives, beep tones will be heard and then the station automatically answers the call.



2. The speakerphone is turned on and you can speak hands-free. After the conversation is over, press the **[Speaker]** button or **[End]** button.

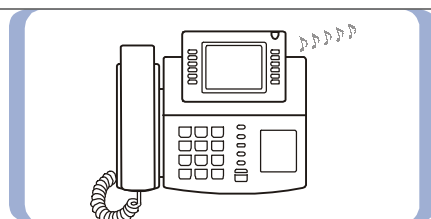
- If a personal conversation is needed, you should pick up the handset.



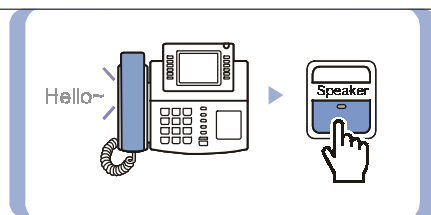
Voice Announce Mode

This function allows you to answer a station call on your phone where the Voice Announce answering mode has been set up.

1. When an incoming call arrives, beep tones will be heard and the caller's voice can be heard through the speaker.



2. To answer the call, you can lift the handset or press the **[Send]** button to use the speakerphone.



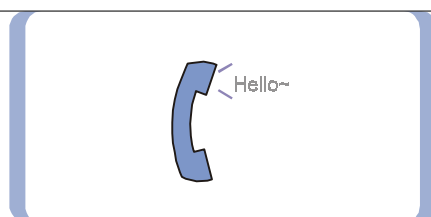
3. Answering an Outside Call

Answering an outside call

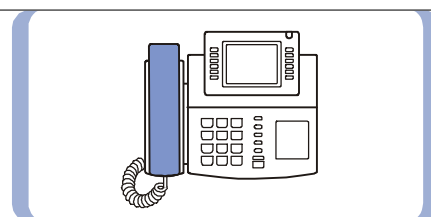
1. When the phone rings, a call receipt message will be displayed on the LCD screen.



2. Lift the handset and the ringing call will be automatically connected.



3. Replace the handset after a conversation is over.



To Answer using the Speakerphone

- Press the [Send] button, without lifting the handset.
- Listen to the speaker to hear a voice of the other party and speak through the microphone.
- You can switch from the speakerphone to the handset by lifting the handset.
- Press the [Speaker] button to hang up the call on the speakerphone.



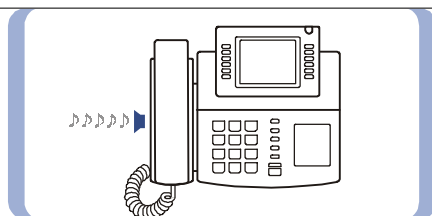
- Press the [▼Volume▲] button while the phone is ringing to adjust the ringer volume.

Universal Answer for Outside Calls

The Universal answer feature allows you to answer outside calls programmed to ring a general alerting device such as a night bell.

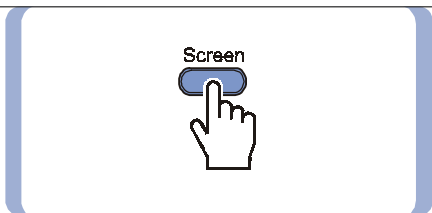
The Universal Answer feature does not apply to intercom calls.

1. If an outside call rings the alerting device.



2. Press the **[Screen]** button repeatedly until the Soft menu screen appears.

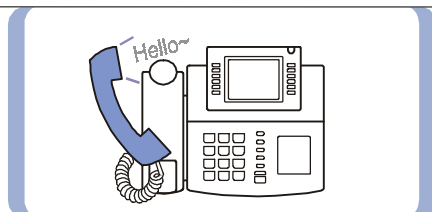
- Or, dial **[6][7]**, the function code for universal answer.



3. Press the **[Select]** button for **[UNIV. ANSWER]** displayed on the Soft menu screen.



4. Lift the handset or press **[Send]** to speak through the speakerphone.

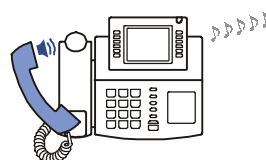


4. Answering Calls at Other Extensions

The functions below describe the methods available to answer calls ringing at unattended stations.

Station Call Pickup

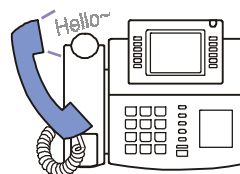
1. When you hear an unattended ringing station
Lift the handset.



2. Dial **[6][5]**, the function code
for call pickup.



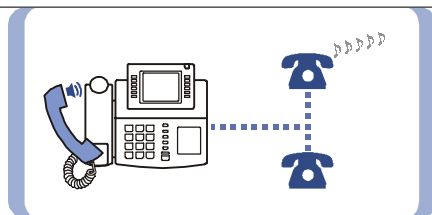
3. Dial the extension number of
the ringing phone.



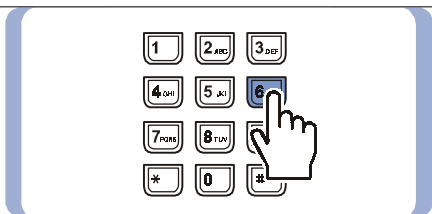
Group Call Pickup

Allows you to pick up a call ringing in any pickup group. Use group pickup when you and the ringing extension are part of a pickup group.

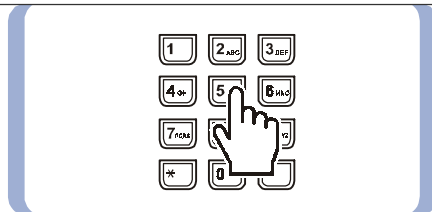
1. When a telephone assigned in the same pickup group is ringing, you can lift the handset.



2. Dial **[6][6]**, the function code for group call pickup.



3. Dial the group number(01~20).

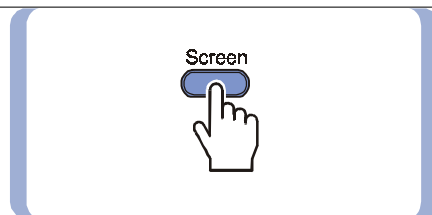


- Station and group call pickup features may not be able to answer calls recalling to a station. Consult your System Administrator as this is a programmable option in the OfficeServ system.
- Group call pickup will pickup ringing calls to stations in the group based on the station's priority in the group. This may result in you answering a call for a different station to the one you expect. Use the station pickup to be sure you pick up the station call you require.

Answering a Waiting Call

When currently on a call and a second call arrives from another station/outside caller this feature allows you to answer the waiting call.

1. Press the **[Screen]** button until the Programmable Feature screen appears.



2. Press the **[Select]** button for the Trunk flashing button in the Programmable Feature screen.

- If an automatic hold feature is set up on your phone, the current call will be placed on hold automatically, otherwise it will be disconnected.



3. Alternatively when a new incoming call arrives press the **[Hold]** button to place your existing call in Hold and then press the **[Select]** button of the flashing button in the Programmable Feature screen.



FEATURES USED DURING A CALL

1. During an Intercom Call

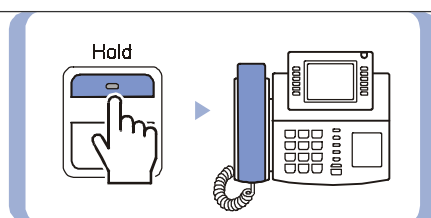
Features that can be used conveniently during an intercom call are described below.

Hold an Intercom Call

You can put the other party on hold if another call arrives or you wish to use both hands for another task and resume the call later.

1. Press **[Hold]** button and replace the handset to put the current call on hold.

- The intercom call is placed into exclusive hold and cannot be retrieved at another station.



2. To call again, press the blinking **[CALL]** button in the programmable feature screen.



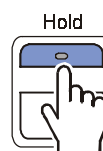
2. During a Outside Call

Features that can be used conveniently during an outside calls are described below.

Hold an Outside Call

You can put the other party on hold if another call arrives or you wish to use both hands for another task and resume the call later.

1. Press **[Hold]** button and put the call on hold.



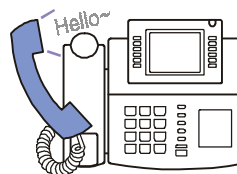
2. Press the **[Screen]** button until the Programmable Feature screen is displayed.



3. The number of the Trunk line call, which is on hold, blinks on the Programmable Feature screen.
Press the **[Select]** button of the blinking Trunk line number to resume the call.



4. Resume conversation.



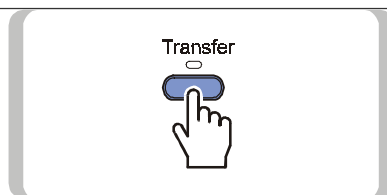
- If the [Hold] button is pressed once, you can reconnect to the party on hold from another phone.
- If the [Hold] button is pressed twice, you can reconnect to the party on hold only from the original phone.

Hold a Outside Call and Make an Intercom Call

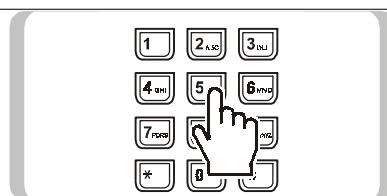
You can put the outside caller on hold and call another station to consult with another staff member.

1. Press **[Transfer]** button.

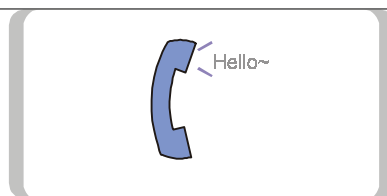
The caller will be placed on-hold.



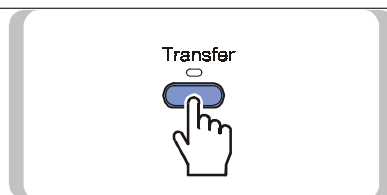
2. Dial the station number.



3. Commence conversation with the recipient of the station call.



4. Press **[Transfer]** button to reconnect to the outside call on hold.



- You can switch between the outside caller and the internal party by pressing the **[Transfer]** button.

Call Transfer

While on an outside call you can transfer the call to another internal or outside party.

1. Press **[Transfer]** button during the call.

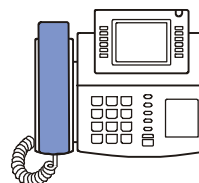
Transfer



2. Dial the station/outside number to which the call should be transferred.



3. Press the **[End]** button or replace the handset to immediately transfer the call or wait for the called party to answer and announce the transfer before disconnecting the call.



- If the recipient of the transferred call does not answer or rejects the transfer, the call will recall to you.
- You can also press the **[Transfer]** button to reconnect to the outside caller.
- If the station you wish to transfer the call to is busy, you can camp-on the caller to the busy station by pressing the **[End]** button.
The busy station will receive off hook ring to indicate a camp-on call.

Transfer to the Voice Mailbox

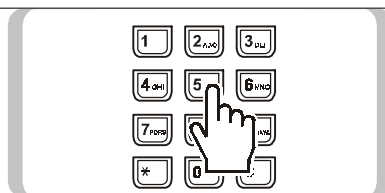
You can automatically transfer the incoming call to the voice mailbox.

The OfficeServ system should have the Samsung Voice Mail Service(SVMi) card installed.

1. When a call arrives, press the **[Screen]** button and then press the **[Select]** button for **[VT]** from the Programmable Features screen.



2. Dial the voice mailbox number.



3. The caller will be answered by the Voice mail card. Replace the handset or press **[Speaker]**.



3. During Intercom/Trunk Line Calls

Features that can be used conveniently during intercom/Trunk line calls are described below.

Conference

Up to 5 members, including you, can participate in a conference simultaneously.

1. Press **[Conference]** button while on a call.
You will hear conference tone

Conference



2. Dial the number of the internal or external party you wish to add to the conference, wait for them to answer and press **[Conference]** again.



3. Dial the number of another internal or external party to be added to the conference or press the **[Conference]** button to begin the conference.

The conference connection status of all the numbers is displayed.

Conference



- If the required party is busy or not reached press the **[End]** button. Press the **[Conference]** button again to return to the previous conversation.
- When you have added the last party press the **[Conference]** button twice.
- To disconnect a party from the conference, press the **[Conference]** button and dial the station number or Trunk number of the party to be excluded. Press **[Conference]** again to resume the conference with the remaining parties.



- If you press **[Transfer]** and dial the conference function code [4][6], you can use the conference function to add additional parties. Please follow the displayed instructions.

Mute

During a call you can mute the handset transmitter or microphone while still listening to the other party.

1. Press the **[Select]** button for **[MUTE]** displayed on the screen.



2. Press the **[Select]** button for **[MUTE(OFF)]** to clear the Mute function.





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CONVENIENT FEATURES

1. Call Forwarding

When unable to take incoming calls you can forward your calls to another station, group of stations or an outside telephone number. You may also program a dedicated feature key for Forward All, Forward Busy, Forward No Answer or Forward Busy and No Answer in the Programmable Features screen.

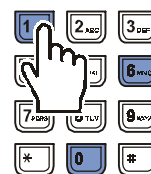
Call Forwarding can be set using the Application menu. Refer to the 'Call Forwarding' section of the 'Application Menus' in this guide.

Forward All Calls

You can forward all incoming calls to another number.

1. Dial **[6][0][1]** in the standby mode and dial the number to which all calls should be forwarded.

- **[6][0][1]** is the function code for Forwarding All Calls.



2. Wait for the confirmation tone and hang up.

- The [Transfer] button LED will turn on to Indicate Forward All has been set.
- The forwarding icon will be displayed on the top of the phone's LCD panel to indicate Forward has been set.



Forward Busy

You can forward incoming calls to another number when you are using the phone.

1. Dial **[6][0][2]** in the standby mode and dial the number to which all calls should be forwarded.
 - **[6][0][2]** is the function code for Forward Busy.



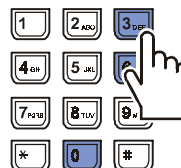
2. Wait for the confirmation tone and hang up.
 - The forwarding icon will be displayed on the top of the phone's LCD panel to indicate Forward has been set.



Forward No Answer

Your incoming calls can be forwarded to another number if you cannot answer the call within the specified time.

1. Press **[6][0][3]** in the standby mode and press the number to which all calls should be forwarded.
 - **[6][0][3]** is the function code for Forward No Answer.



2. Wait for the confirmation tone and disconnect the call.
 - The forwarding icon will be displayed on the top of the phone's LCD panel to indicate Forward has been set.



Forward Busy/No Answer

When the Forward Busy and Forward No Answer destinations are both set, you may enable both these options simultaneously. When you are busy, calls will be transferred to the number specified in Forward Busy destination. If you do not answer, the calls will be forwarded to the Forward No Answer destination.

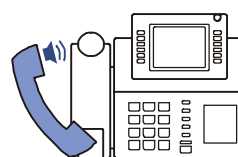
1. Dial **[6][0][4]** in the standby mode.

- **[6][0][4]** is the function code for Forward Busy/No Answer.



2. Wait for the confirmation tone and hang up.

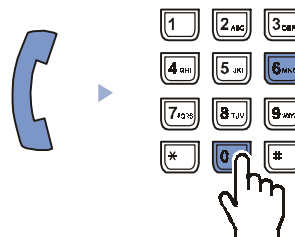
- The forwarding icon will be displayed on the top of the phone's LCD panel to indicate Forward has been set.



Cancel Call Forwarding

1. Lift the handset and dial **[6][0][0]** to cancel all call forwarding settings.

- **[6][0][0]** is the function code for Cancel Call Forwarding.
- The forwarding icon will not be displayed on the top of the phone's LCD panel.

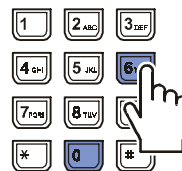


Forward Follow Me

When you will be away from your phone for a while, e.g. in a conference room or another office, you can forward your incoming calls to a station where you are currently located. Alternatively you can redirect calls to another station to your own phone. This is called follow-me or remote call forwarding.

1. At the phone you are currently located near dial **[6][0][6]**.

- **[6][0][6]** is the function code for Follow Me.

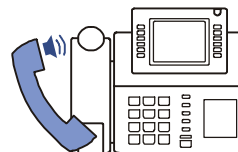


2. Enter the number of your phone, or the station you want to redirect calls from.



3. Wait for the confirmation tone and hang up. All your calls will be forwarded to the new location.

- The [Transfer] button LED at your phone will turn on to Indicate Forward follow me has been set.
- The forwarding icon will be displayed on the top of the phones LCD panel to indicate Forward has been set.

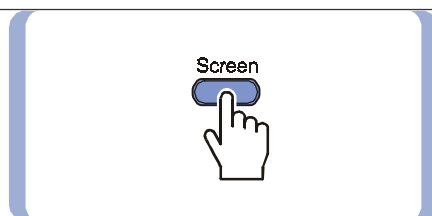


2. Do Not Disturb (DND)

This feature is used to block incoming calls.

Setting/Cancelling DND

1. Press the **[Screen]** button until the Soft menu screen is displayed.
 - Or, dial the DND setup code, **[4][0][1]**.



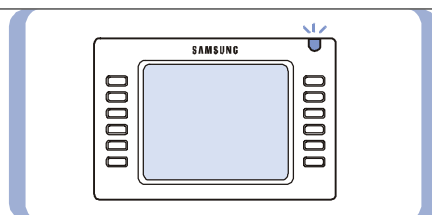
2. Press the **[Select]** button for **[DND]**.



3. Press the **[Select]** button for **[SAVE]** to set DND.
 - Press the [Select] button for [CLEAR] to clear the DND setting.



4. The status indicator blinks to indicate that the DND mode is set.



3. Paging

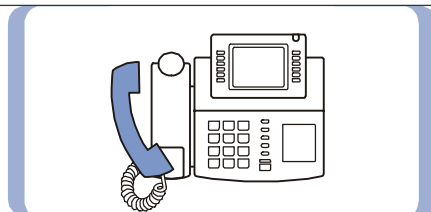
This feature is used to broadcast announcements through the phone's internal speaker and/or optional external speakers.

Internal Page

To broadcast through the station speakers.

1. Lift the handset.

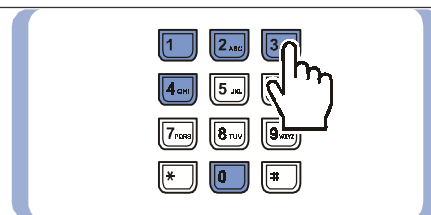
- Or, press the Page function code [5][5].



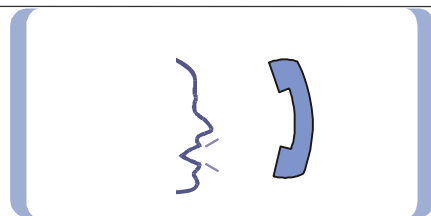
2. Press the [Select] button for [PAGE] displayed on the screen.



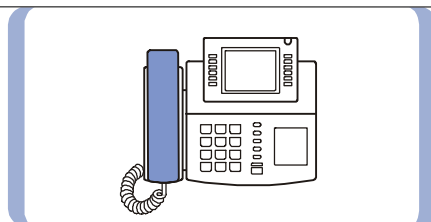
3. Dial the required external zone [1], [2], [3], [4] or [0] to page all internal zones.



4. Deliver the announcement after the confirmation tone. The announcement will be broadcasted to stations in the selected zone.



5. Replace the handset after completing the page announcement.

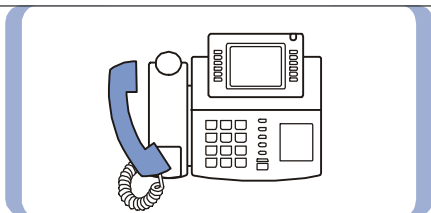


External Page

You can broadcast announcements through optional speakers in external areas (such as large offices, work areas and factories). Four(4) External zones are available plus all external zones.

1. Lift the handset.

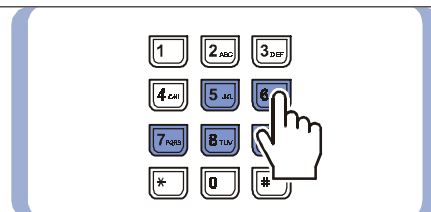
- Or, dial the Page function code **[5][5]**.



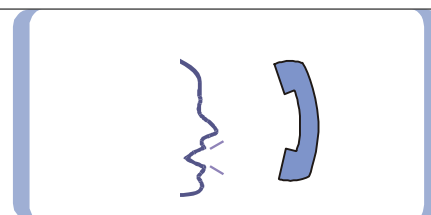
2. Press the **[Select]** button of the **[PAGE]** menu displayed on the screen.



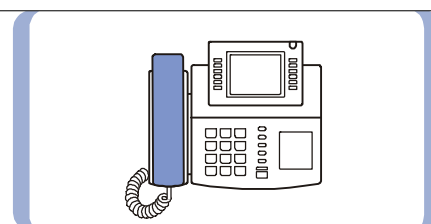
3. Dial the required external zone **[5]**, **[6]**, **[7]**, **[8]** or **[9]** to page all external zones.



4. Deliver the announcement after the confirmation tone. The announcement will be broadcasted through the speakers in the external zone.



5. Replace the handset upon completing the page.

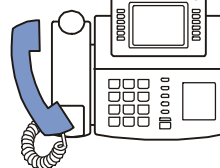


All Page

Allows you to page through all station speakers in the internal zones and speakers in external areas.

1. Lift the handset.

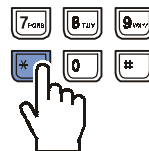
- Or, press the Page function code **[5][5]**.



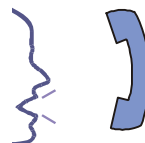
2. Press the **[Select]** button for **[PAGE]** displayed on the screen.



3. Dial **[*]** to page all internal and external zones.



4. Deliver the announcement after the confirmation tone. The announcement will be broadcasted through the speakers in all external and internal zones.



5. Replace the handset upon completing the page.

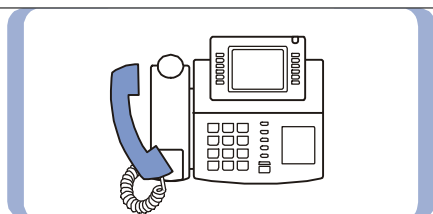


Meet Me Page

You can use page to find the recipient of a call.

1. Lift the handset.

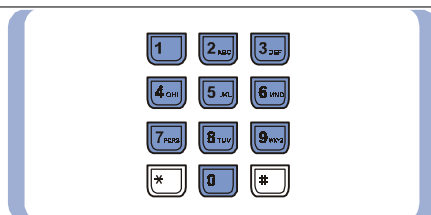
- Or, dial the Meet Me Page function code [5][4].



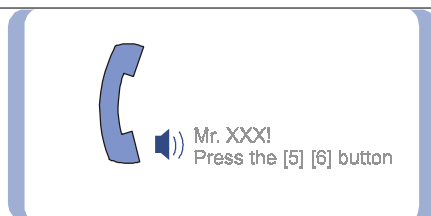
2. Press the **[Select]** button for **[MEET ME PAGE]** displayed on the screen.



3. Dial the page zone number(0~9).



4. After the confirmation tone advise the the person you require to dial **[5][6]**.



5. The 'Please press ANSWER WAIT' message is displayed on the screen. Press the **[Select]** button for **[ANSWER WAIT]**.

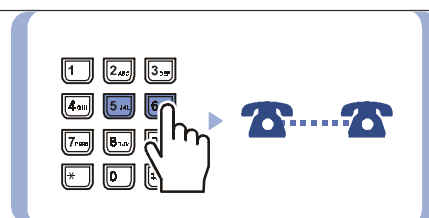
- or Press [Transfer] followed by [5][4].



6. The 'Wait until the recipient responds' message is displayed. You should hold on to the handset until the recipient dials the page answer code([5][6]).



7. Once the recipient enters the page answer code([5][6]), the recipient will be automatically connected to you.



Call Park and Page

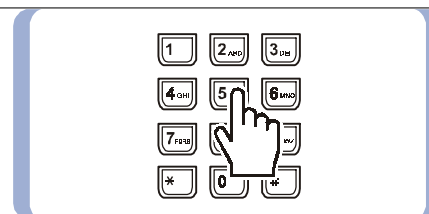
When you answer an outside call for another user not currently at their desk, you can park the call and page the required party.

1. Press the [Select] button for **[PAGE]** while the call is on line.
The call is automatically parked.

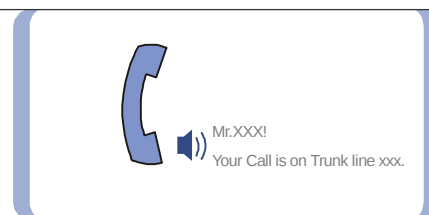


2. Dial the number of the page zone where the recipient is located.

- When the location of the recipient is not known, press the [*] button and page all internal and external zones.



3. After the confirmation tone, announce the call has been parked. You should inform the required user of the station number or the Trunk number where the call is parked.



4. Hang up by replacing the handset.

- If the parked call is not answered within a specified time, the outside call will recall your phone. Intercom calls cannot be parked or paged.

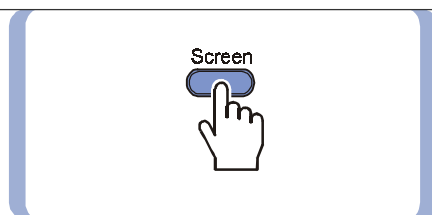


Page Pickup

To answer the parked call notified in the page.

1. Lift the handset and press the **[Screen]** button until the Soft menu screen is displayed.

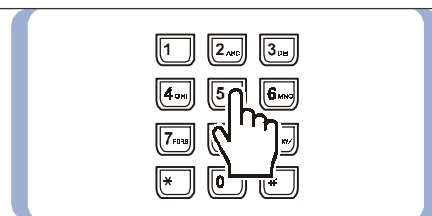
- Or, dial the Connect Call function code **[1][0]**



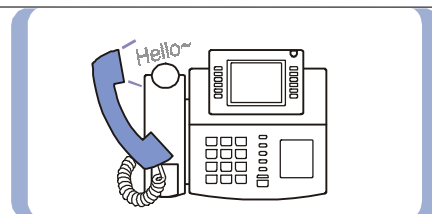
2. Press the **[Select]** button for **[PAGE PICKUP]**.



3. Dial the phone or trunk number notified through the page.



4. You will be automatically connected to the parked caller.



- Call Park and Page is only applicable to outside calls.

Off-Hook Voice Announce (OHVA)

Allows you to make an announcement to another station currently on a call.

This feature is useful when you have an urgent message to deliver to a station user.

1. Dial the busy station.

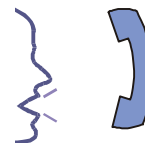


2. After hearing the busy tone, press the **[Select]** button for **[OHVA]**.



3. After the warning tone, deliver the announcement which will be heard through the handset or the speaker on the busy station.

- Only the internal station will hear the announcement, it will not be heard by an external caller.



4. Disconnect the call by replacing the handset or by pressing the **[Speaker]** button or **[End]** button.



OHVA Reject

1. While listening to OHVA, you can press the **[Select]** button for **[REJECT]** to disconnect the OHVA call and resume the original call.



- OHVA is not applicable to phones that have the DND option enabled.
- OHVA is applicable to intercom calls and transferred calls.

OHVA Cancel

After finishing the OHVA call, you can resume the original call that was on hold.

1. When an OHVA call is received, the Select box of the station number blinks on the Programmable Feature screen. Press the **[Select]** button of the station number to put the current call on hold and connect to the OHVA call.



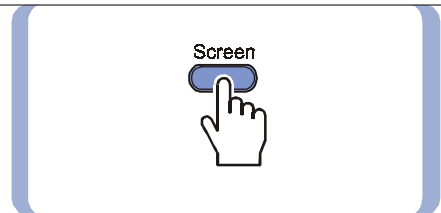
2. After the OHVA call is finished, press the **[Send]** button to resume the call with the original caller who was on hold.



OHVA Block

You can use the OHVA Block feature to reject all OHVA calls.

1. Press the **[Screen]** button until the Soft Menu screen is displayed.



2. Press the **[Select]** button for **[OHVA BLOCK]** and then select **[ON]**.
 - Press the [Select] button for [OFF] in the [OHVA Block] menu to cancel OHVA Block.

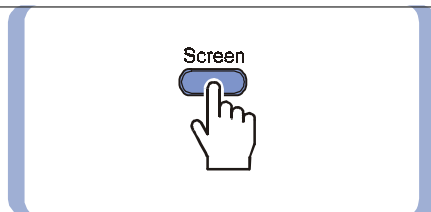


4. Messaging

Leaving a Station Message

You can leave your phone number as a message on stations that do not answer your call or are busy.

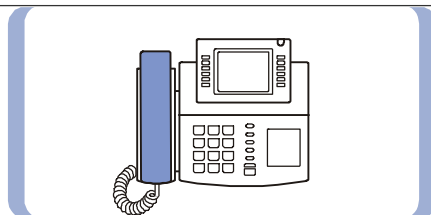
1. Press the **[Screen]** button until the Programmable Feature screen is displayed.
 - Or, dial the message function number, **[4][3]**.



2. Press the **[Select]** button of the **[MESSAGE]** menu on the Programmable Feature screen.



3. Wait for the confirmation tone and hang up.



- Leaving a message is only applicable to intercom calls.

Cancelling Station Messages

You can erase station messages left on other stations or delete the messages left on the your station.

1. To erase station messages you left on other stations, dial **[4][2]** and dial the station number of the other station.

- **[4][2]** is the function code for Cancelling Messages.



2. Dial **[4][2]** and enter the your station number to delete all station messages left on your station.

- Refer to the 'Verify/Return/Delete Message' in the next page to selectively erase numbers left on your station.

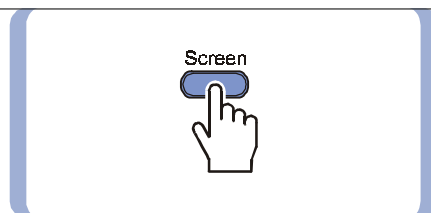


Verify/Return/Delete Station Messages

You can verify, return, or delete the station messages left on your phone.

The status indicator will flash red when a message is left on your phone and the  icon is displayed on the screen.

1. Press the **[Screen]** button until the Programmable Feature screen is displayed.



2. Press the **[Select]** button of the **[MESSAGE]** menu on the Programmable Feature screen.



3. The number of the first station that has left a message is displayed along with the options **[REPLY]**, **[NEXT]**, and **[CLEAR]**.

- Press the [Select] button for **[REPLY]** to reply to the message. The number of the station that left the message is automatically dialed. If the station does not answer, the red light continues to flash on the status indicator.
- When multiple messages are left on the phone, press the [Select] button for **[NEXT]** to move to the next message, and return or delete the message.
- Press the [Select] button for **[CLEAR]** to delete the message.

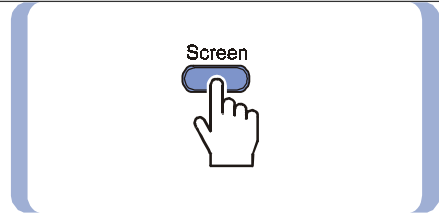


Programmed Messages

EMBEDWhen you will be away from your desk you can leave an absence message to advise internal callers of your status. Internal callers will receive the message on their LCD screen when they call you.

1. Lift the handset and press the **[Screen]** button until the Soft Menu screen is displayed.

- Or, dial the Programmed Messages function code **[4][8]**.

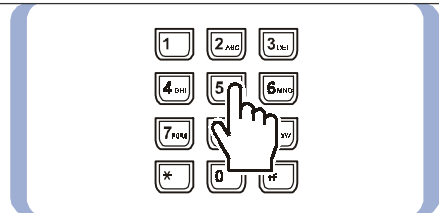


2. Press the **[Select]** button for **[STATUS MSG]** on the Soft menu screen.



3. Dial the Programmed Message code.

- To cancel the Programmed Message, press the **[Select]** button for **[STATUS MSG]** and dial the Cancel code **[0][0]**.



- Programmed Messages can also be set by selecting the **[7. Absent Msg]** menu from the **[Config]** menu of the Application menus.
- Items 01 to 15 in the table below are programmed messages set by the System Administrator. 01-10 are default messages. You can personally set the messages for items 16 to 20.

Message Number	Messages
01	GIVE ME THE CALL
02	TAKE A MESSAGE
03	ASK THEM TO HOLD
04	SEND TO MY VM
05	TRSE TO MY SECY
06	LEAVE A MESSAGE
07	PAGE ME
08	OUT OF TOWN
09	IN A MESSAGE
10	I WILL CALL BACK
11-15	(Defined by the System Administrator)
16-20	Your personal messages

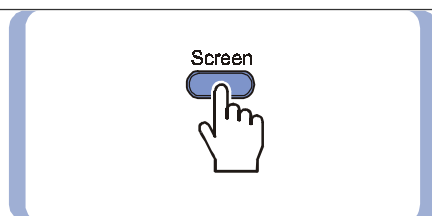
5. Executive/Secretary Hot Line

Executive Status Display

Available only on phones with the Executive/Secretary Hot Line feature programmed, this feature is used to display the in/out status of the executive or to conveniently set messages between the executive and secretary.

- An icon, indicating an executive or secretary, is displayed on the upper section of the LCD screen.

1. In the standby mode of the phone where the Executive/Secretary Hot Line is enabled, press the **[Screen]** button until the Executive Status screen is displayed.



2. Press the **[Select]** button corresponding to the status of the executive. The current status will be indicated by a grey filled status box.



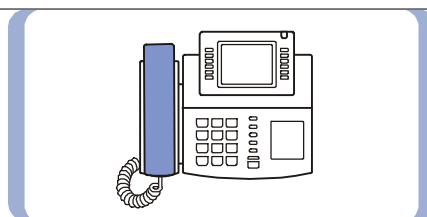
Call Transfer from Secretary to Executive

The programmed secretary station will receive calls for the executive first and transfer the calls to the executive.

1. After the secretary answers the call and verifies the nature of the caller's business, the secretary presses the **[Select]** button for **[BOSS]** in the programmable features screen to notify the executive of the call.



2. The secretary replaces the handset to complete the transfer of the call to the executive.
 - If the executive does not answer, the secretary should reconnect with the caller by pressing the **[Hold]** button.

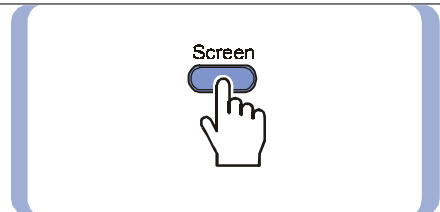


Executive/Secretary Message

Messages that are frequently exchanged between the executive and the secretary can be preset for convenient use.

The [EXE/SECR MSG] menu is displayed in the Soft menu screen of the phone where the Executive/Secretary Hot Line is enabled.

1. In the standby mode, press the **[Screen]** button until the Soft menu screen is displayed.



2. Press the **[Select]** button for **[EXE/SECR MSG]** on the Soft menu screen.



3. Press the **[Select]** button of the recipient of the message.

- This screen is not displayed if there are only one executive or secretary.
- Up to four executives for each secretary may be selected.



4. Press the **[Select]** button of the message.



Entering the Executive/Secretary Message

There are no preset messages when first using the Executive/Secretary Hot Line.
Press the [Menu] button and enter the message.

1. On the **[Select EXE/SECR MSG]** screen, move to the item where the message should be entered and press the **[Menu]** button.



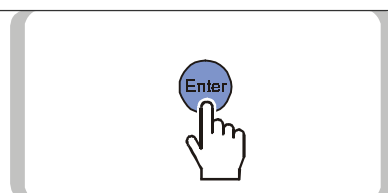
2. Move to the **[Edit]** menu and press **[Enter]** button.



3. Enter the message in the message entry screen.
The message should be composed of 16 characters or less.



4. Press the **[Enter]** button to save.

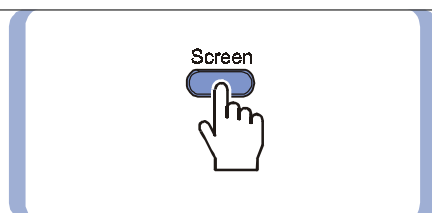


- Please refer to the 'Entering Characters' section of 'Things You Should Know' part in this guide for entering characters.
- To delete a message, select the message and press the [Menu] button, and select [Delete] from the pop-up menu.

6. In/Out of Group

If your phone is assigned to a station group, you can remove the phone from the group or reassign the phone into the group. If the phone is removed from the group, you will receive station calls but no new calls to the group number.

1. In the standby mode, press the **[Screen]** button until the Soft menu screen is displayed.



2. Press the **[Select]** button of the **[IN/OUT GROUP]** menu on the Soft menu screen.



3. Press the **[Select]** button of the **[IN GROUP]** menu to receive calls to the station group.
 - Press the [Select] button for **[OUT OF GROUP]** to stop receiving calls to the station group.



7. Group Listening

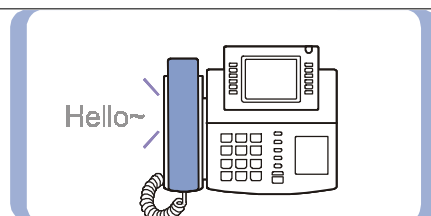
You can allow others to listen to your current conversation through the speaker while you are talking on the handset.

Others can only hear the conversation since the microphone is disabled.

1. Press the **[Select]** button for **[GROUP LISTEN]** during the call.



2. The conversation is audible to others through the speaker.



3. To disable the speaker and resume a personal conversation, press the **[Select]** button for **[LISTEN(OFF)]**.



- To prevent feedback when disconnecting the call with Group Listening ON, select **[LISTEN(OFF)]** before disconnecting the call.

8. Caller ID (CID) Presentation

The OfficeServ system can be set to display not only the number but also the name of the caller prior to answering a call. The presentation of the Caller Id is an optional service provided by your telephone company. CID Presentation is applicable to both ISDN and analogue PSTN lines. To activate the CID features you must have the feature keys programmed in you Programmable Feature key screen. Refer to your System Administrator to ensure the service is available on your phone lines and the features specified below are available on your ITP-5012L phone. However, the CID may not be provided in cases listed below.

- When the caller requested non disclosure of his or her phone number.
- When the caller call from regions where the CID Presentation service is not provided(Example : International calls).
- When the caller calls from a public phone.
- When the information received is damaged or not complete.
- When the telephone company fails to transmit the CID.

To set the display type of the CID Presentation, refer to the description in 'Setting the Method of CID Display' of the 'Configuration' section of the 'Application Menus' part in this guide.

Saving Caller Number

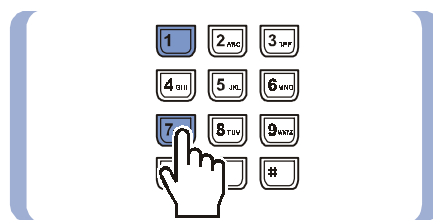
After answering the call press the [Select] button for **[SAVE]** displayed in the programmable features screen.



Dialling a Saved Caller Number

Dial **[1][7]** to dial the saved number.

- **[1][7]** is the function code for dialling a Saved Caller Number.



Storing the Caller Number to a Speed Dial Number

The caller number can be stored in your personal speed dial number list.

1. Press the [Select] button for **[STORE]** menu displayed on the programmable features screen during the call.



2. The personal speed dial number where the caller number is saved is displayed on the screen.



- Least Cost Routing(LCR) should be set accordingly to dial the saved caller number.
The CID cannot be saved without the LCR programmed on the OfficeServ system.

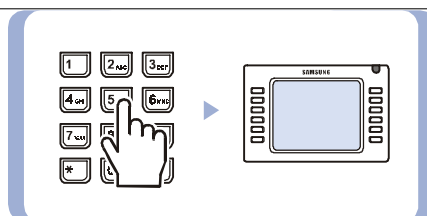
Viewing the Caller ID of Calls Parked/on Hold

You can verify the CID before answering a call that is parked or on hold.

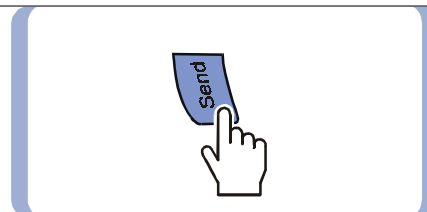
1. When the phone is in the standby mode or in the middle of a call, press the [Select] button of the **[INQUIRE]** menu displayed on the screen.



2. Dial the Trunk line number displayed on the screen to verify the CID.
The CID of the Trunk line number is displayed on the screen.



3. After the inquiry is finished, press the **[Send]** button to answer the call, or press the **[Select]** button for **[NND]** to view further detailed information on the call, or press the **[Select]** button for **[IGNORE]** to return to the standby mode.



- If you are on a station call, the call should be disconnected or put on hold before verifying the CID of a Trunk line call.

9. Call Duration Display

If the Call Duration Display function is enabled, the duration time of outside calls is displayed on the LCD screen.

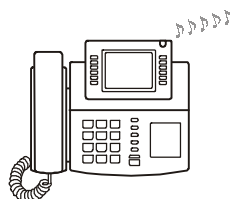
- **Incoming TRUNK calls** : The duration time is displayed the moment you answer the call.
- **Outgoing TRUNK calls** : The duration time is displayed when the called party answers on ISDN trunks or after a preset time on analogue trunks.

10. Door Phone Related Features

When your phone is programmed to receive calls from the door phone you can answer a call without leaving your desk. If the optional electric door release is fitted you can also unlock the door from your phone.

Answering the Door Phone

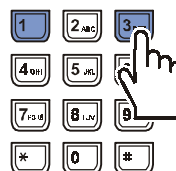
1. When a call is received from the door phone, your IP phone will receive three short bursts of ring consecutively.



2. Lift the handset or press the **[Send]** button to connect to the door phone.



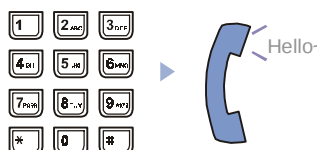
3. If an electric door lock is installed, dial **[1][3]** to open the door.



Calling the Door Phone

You can call the door phone to listen to what is happening outside or in other rooms.

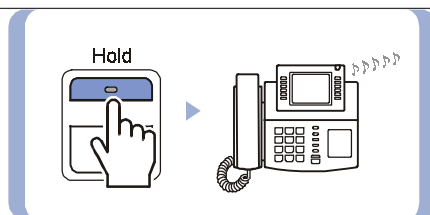
Dial the station number of the door phone.
You can listen or speak through the door phone.



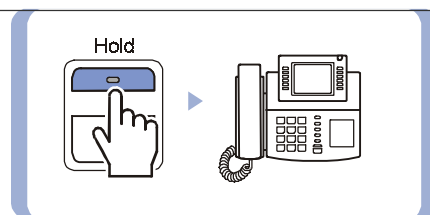
11. Background Music

If background music is available on your OfficeServ system, you can listen to the background music through your ITP-5012L phone's speaker in standby mode.

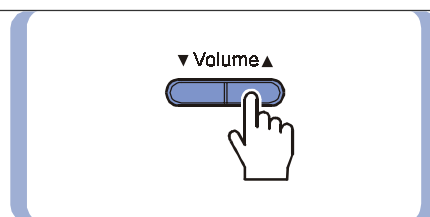
1. Press the **[Hold]** button to listen to the background music.



2. Press the **[Hold]** button again to turn off the music.



3. You can adjust the volume using the **[▼Volume▲]** button. This does not affect the speaker volume.



- Only the System Administrator can set and change the background music source.

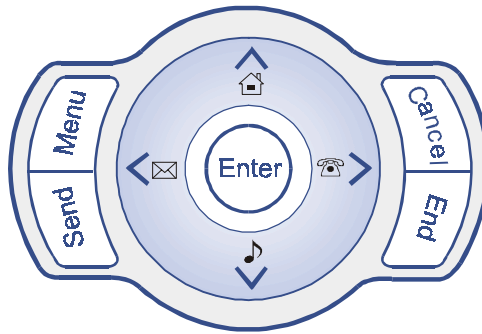


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APPLICATION MENUS

1. Navigation Buttons

Navigation buttons are provided for your convenience.



Menu Button

- When the [Menu] button is pressed in the standby mode, the phones application menus are displayed as icons.



- If the [End] button or [Speaker] button is pressed in the application menus, the phone automatically exits the menus.

Send Button

- The phone is set to 'Enbloc' dialling mode as default. So, when you enter phone numbers, they can be reviewed before dialling. Press the [Send] button to dial the number.
- Answers incoming calls.
- Dials the most recently called number when pressed and held. If the [Send] button is pressed briefly in the standby mode, your recent calls are listed on the screen.

Enter Button

- The Enter button is used in the menu mode to select or save the corresponding item.

Direction button

The Direction button is used to move between items or to edit the content.

① [▲] button is used

- To move the cursor upward.
- To select the main menu.

② [▶] button is used

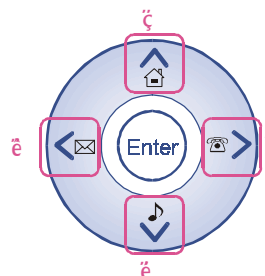
- To select the Phonebook menu.
- To move the cursor to the right.

③ [▼] button is used

- To select the Ring Type/Volume menu.
- To move the cursor downward.
- When moving to the lower menu item of the current menu.

④ [◀] button is used

- To select the Text Message menu.
- To move the cursor to the left.



Cancel Button

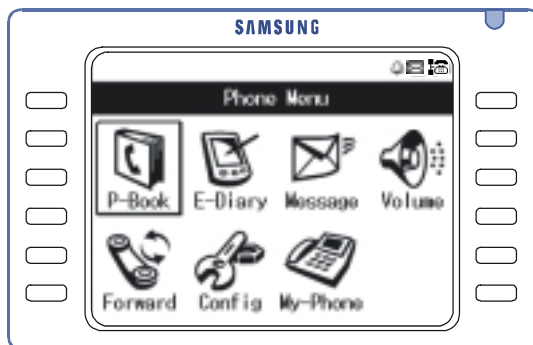
- Moves to the previous page of a menu.
- Deletes the entered letter or number.

End Button

- Disconnects the current call.
- Exits from the current mode to the idle screen.

2. Entering Application Menus

When the IP phone is in the standby mode, press the [Menu] button. The main application menu will appear on the LCD screen.

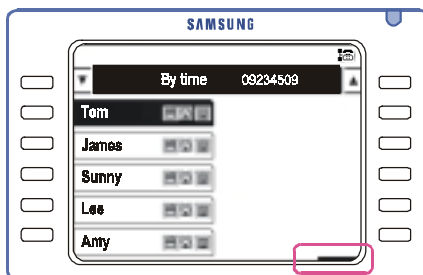


Selecting Application Menus

- Use the direction button to move to the desired application. Then, press the [Enter] button.
- Dial the corresponding to the number of the required menu item.
(P-Book[1], E-Diary[2], Message[3], Volume[4], Forward[5], Config[6], My-Phone[7])
- Press the [End] button to exit the application menus.



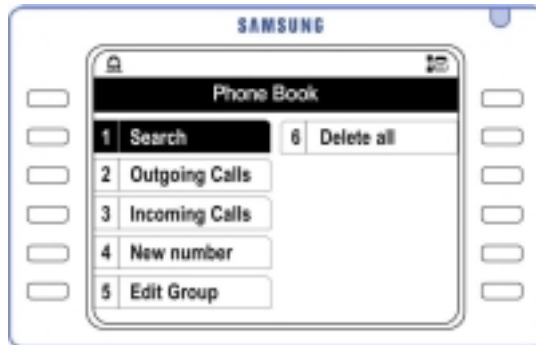
- If there is a black mark at the bottom right of the LCD panel, you can press the [Menu] button for other functions.



[Menu] button

3. Phone Book

Press the Right direction button  enter the Phone Book menu OR



Press the **[Menu]** button and use the direction button to select press the **[Enter]** button.



Then,

Search By Speed Dial Number Location

This function allows you to search any telephone number based on the speed dial number locations registered in the IP phone.

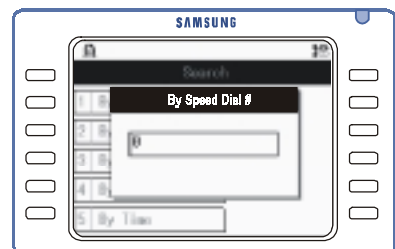
1. Press the  button and use the direction buttons to select

 → **[1. Search]** → **[1. By Speed Dial No.]**.

Then, press the **[Enter]** button.

2. When the speed dial number entry screen appears, enter the speed dial number location and press the **[Enter]** button.

- Phone Book is not related with the OfficeServ system personal speed dial numbers.
- A speed dial number location is allocated automatically you enter and save a new speed dial number. The location number is shown in the small box next to the telephone number entered and can be edited as required.



3. The telephone number corresponding to the entered speed dial location is displayed.
 - If you press the [Enter] button without entering the speed dial number location, a list of all speed dial names programmed will be displayed.
4. Press the **[Send]** button to dial the selected telephone number.
 - Press the [Menu] button to change or disable the speed dial number. When the popup menu appears, select the desired menu to **Edit/Delete/New Entry** the number.

Search a Telephone Number By Name

This function allows you to search any telephone number based on the name registered to the telephone number in the IP phone.

1. Press the  button and use the direction button to select

 → [1. Search] → [2. By name].

Then, press the **[Enter]** button.

2. A screen that prompts you to enter a name appears. Enter the name or part of a name to search and press the **[Enter]** button.
 - Please refer to the 'Entering Characters' section of 'Things You Should Know' in this guide for entering characters.



3. The speed dial name(s) matching the entry will be displayed from the [Phone Book]. If the **[Enter]** button is pressed without entering any name, all speed dial names will be displayed.
4. Press the **[Enter]** button on the selected name to see the saved details (telephone numbers, email address or notes) of the selected name.
 - Press the [Menu] button to change or the details registered for the speed dial name. When the popup menu appears, select the desired menu to **Edit/Delete** the details registered or to make a **New Entry**.
5. Move to the desired telephone number and press the **[Send]** button to dial the number.

Search By Telephone Number

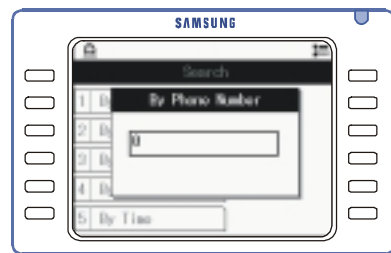
You can search based on the telephone number or part of a telephone number registered in the IP phone.

1. Press the  button and use the direction button to select

 → [1. Search] → [3. By phone number].

Then, press the **[Enter]** button.

2. The screen that prompts you to enter a telephone number appears, enter the telephone number to search and press the **[Enter]** button.



3. The speed dial name(s) related to entered telephone number is displayed.
 - If you press the [Enter] button without entering the phone number, a list of all the telephone numbers will be displayed. Even if the part of the telephone number is entered, a list of any telephone number that includes the entered part will be displayed.
 - Entering *123* : Searches all numbers including 123.
 - Entering 123* : Searches all numbers that start with 123.
 - Entering *123 : Searches all numbers that end with 123.
4. Move to the telephone number to call and press the **[Send]** button.
 - Press the [Menu] button to change or the details registered for the speed dial name. When the popup menu appears, select the desired menu to **Edit/Delete** the details registered or to make a **New Entry**.

Search a Telephone Number By Group

You can search for telephone numbers by groups registered in the IP phone. This will only work if you have allocated speed dial names and numbers to specific groups.

Refer to Registering New Numbers and Editing Groups later in this section.

1. Press the  button and use the direction button to select

 → [1. Search] → [4. By group].

Then, press the **[Enter]** button.

2. Move to the desired group from the list of registered groups and press the **[Enter]** button.



3. Select the required speed dial name and press **[Enter]** button.
 - Press the **[Menu]** button to change or the details registered for the speed dial name. When the popup menu appears, select the desired menu to **Edit/Delete** the details registered or to make a **New Entry**.
4. Select one of the phone numbers(mobile phone, home, work, or other) programmed and press the **[Send]** button.

Search a Telephone Number By Time

You can search for any telephone number based on the time the telephone number was registered in the phone. Speed dial names will be displayed commencing with the latest entry.

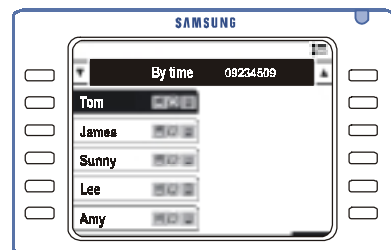
1. Press the  button and use the direction button to select

 → [1. Search] → [5. By time].

Then, press the **[Enter]** button.

2. The list of all the registered names is displayed, move to required name and press the **[Enter]** button.

- Press the **[Menu]** button to change or delete the selected number. When the popup menu appears, select the desired menu to **Edit/Delete** the detail registered or make a **New Entry**.



3. Move to the required telephone number to call and press the **[Send]** button.

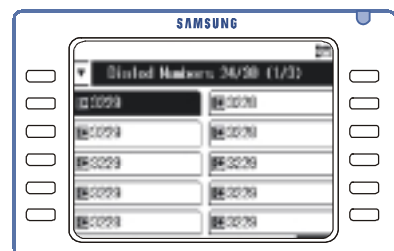
Recent Caller Numbers

The last 30 called numbers will be saved. You can review to details and redial any one of these called numbers.

1. Press the  button and use the direction button to select

 → [2. Dialed Nos]. Then, press the **[Enter]** button.

2. Move to the desired telephone number and press the **[Enter]** button to review details of the previous call.



3. Press the **[Send]** button to dial the selected telephone number.
 - Press the **[Menu]** button to save or delete the selected number. When the popup menu appears, select the desired menu to save/delete the number or delete all outgoing calls.

Recent Called Numbers

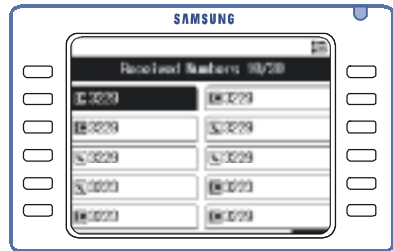
The call details and Calling line ID, if available, of up to the last 30 incoming calls will be saved in the incoming call log. You can review the details and dial the Caller ID.

1. Press the  button and use the direction button to select

 → [3. Received Nos].

Then, press the **[Enter]** button.

2. Move to the desired telephone number and press the **[Enter]** button to review details about the call.



3. Press the **[Send]** button to dial the selected telephone number.
 - Press the **[Menu]** button to save or delete the selected number. When the popup menu appears, select the desired menu to save/delete the number or delete all incoming calls.

Telephone Number Registration

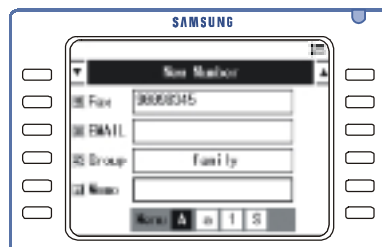
You can save 1000 speed dial names and 2,400 telephone numbers. Each Speed dial name can have the following information registered : 5 telephone numbers(home, mobile phone, work/school, Etc, and facsimile), e-mail, group, and memo. Each speed dial number can also be allocated a speed dial number location.

1. Press the  button and use the direction button to select

 → [4. New number]. Then, press the [Enter] button.

2. Use the direction button to move to each item.
Then, enter user information.

- Please refer to the 'Entering Characters' section of 'Things You Should Know' part in this guide for entering characters.



3. Press the [Enter] button, the 'Saved.' message will appear and the information is saved.

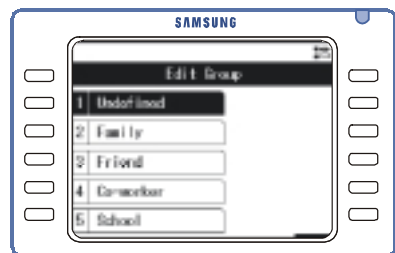
Editing Groups

This function allows you to establish groups to which speed dial names can be included. This allows you to search for speed dial numbers by personalized groupings.

1. Press the  button and use the direction button to select

 → [5. Edit Group]. Then, press the [Enter] button.

2. The list of registered groups appears.



3. Press the [Menu] button to Add/Edit/Delete the group.
(Group 1(Null) provides the option to 'Add' only.)

- **To add a group:**

Press the [Menu] button and select the [Add] menu. Enter the group name to register and press the [Enter] button.

- **To Edit a group name:**

Select the group to Edit and press the [Menu] button. Then, select the [Edit] menu. Enter the group name and press the [Enter] button.

- **To delete a group:**

Select the group to delete from the list and press the [Menu] button. Then, select the [delete] menu. If the 'Do you want to delete?' message appears, select [Yes] and press the [Enter] button.

Deleting All Telephone Numbers

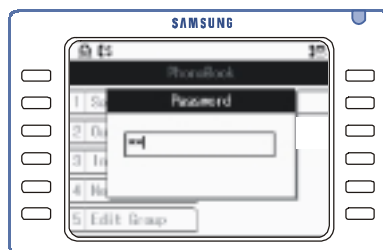
This function allows you to delete all saved telephone numbers and associated names.

1. Press the  button and use the direction button to select

 → **[6. Delete All]**. Then, press the **[Enter]** button.

2. If the password entry screen appears, enter the password set in the IP phone.

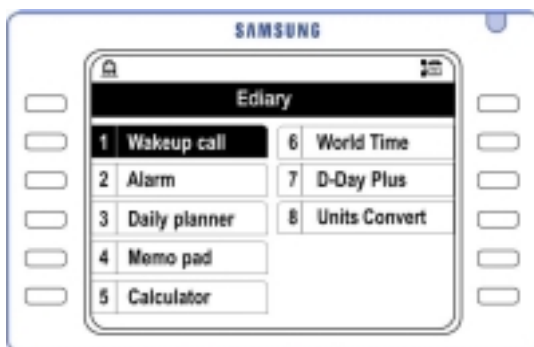
- If the password is not changed, the initial value of password is 1234. If you do not remember your password, please contact your System Administrator.



3. If the 'Are you sure you want to permanently delete your data?' message appears, select **[Yes]** and press the **[Enter]** button. Then, all the telephone numbers saved in the phone book will be deleted.
- The recent caller/called numbers are not deleted.

4. E-Diary

Press the **[Menu]** button and use the direction buttons to select
Then, press the **[Enter]** button.



Move to the desired menu and press the **[Enter]** button.

Wakeup Call

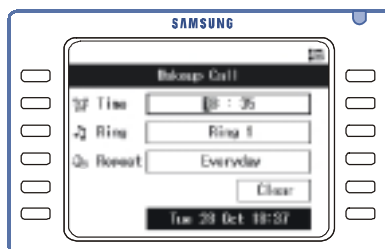
Allows you to set an alarm to ring for 1 minute or until answered, at the required time. The frequency options for a wakeup call are ; everyday, Monday to Friday or Monday to Saturday.

1. Press the **[Menu]** button and use the direction button to select



→ **[1. Wakeup Call]**. Then, press the **[Enter]** button.

2. Set the Time, Ring type, and frequency.
Select **[Save]** and press the **[Enter]** button.



3. To clear an existing Wakeup Call. Select **[Save]** and change to **[Clear]** by pressing the navigation keys(< or >). Then press the **[Enter]** button to clear the setting.

Alarm Clock

This function is similar to the wakeup call function except that the frequency of the alarm is limited to once only or everyday. Two separate alarm times are available.

1. Press the **[Menu]** button and use the direction button to select



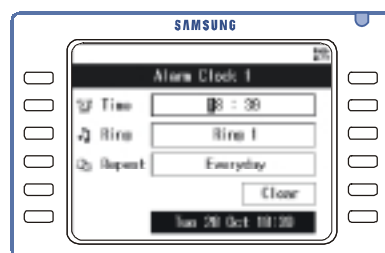
→ **[2. Alarm]**. Then, press the **[Enter]** button.

2. Select **[Alarm clock 1]** or **[Alarm clock 2]**.

3. Set the Time, Ring, and Frequency of the selected alarm clock.

You should change the last parameter from **[Clear]** to **[Save]** by pressing navigation key(< or >). Then press the **[Enter]** button to save the setting.

- If you select the **[Clear]** menu and press the **[Enter]** button, then the set alarm will be cleared.



Daily Planner

The Daily Planner allows you to schedule events and have the system notify you when an event is due to commence. Up to 30 event schedules can be registered.

- A note of up to 32 characters can be associated with each scheduled event. If the note is more than 8 characters long, it can be viewed by selecting it, pressing the **[Menu]** button and then OK. An available ring tone can be selected.
- An alarm can be set to ring an hour before, 30 minutes before or on the specified time for the scheduled event.

I Schedule Registration

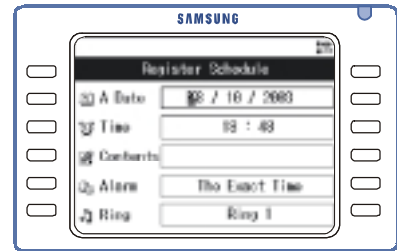
1. Press the **[Menu]** button and use the direction button to select



→ **[3. Daily Planner]**. Then, press the **[Enter]** button.

2. Use the direction button and select the date to be registered. Press the **[Menu]** button to 'Add' a new schedule.

3. Use the direction button to program the schedule items. Set the Date, Time, Message Contents, Alarm Timer(an hour before the set time, 30 minutes before the set time, or on time) and Ring type and press the **[Enter]** button.



I Adding/Modifying/Deleting the Schedule

1. Press the **[Menu]** button and use the direction button to select

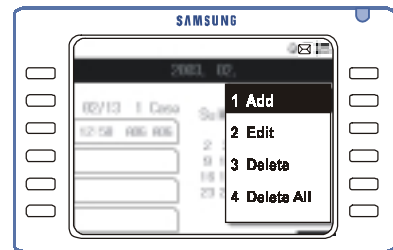


→ **[3. Daily Planner]**. Then, press the **[Enter]** button.

2. Use the direction buttons and select the date you require.
Press the **[Enter]** button.

3. Press the **[Menu]** button to **add/edit/delete/delete all** a schedule.

- Press **[Add]** to add a new schedule.
- Press **[Edit]** to modify a schedule.
- Press **[Delete]** to delete the selected schedule.
Then, the 'Do you want to delete?' message will appear.
Select **[Yes]**, and press the **[Enter]** button.
- Press **[Delete All]** to delete all the schedules.
Then, the 'Do you want to delete all?' message will appear. Select **[Yes]**, and press the **[Enter]** button.



Memo Pad

Allows you to save a simple memo to the IP phone.

Entering a Memo

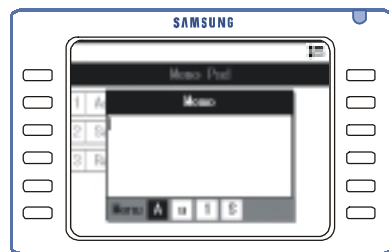
1. Press the **[Menu]** button and use the direction button to select



→ [4. Memo Pad] → [1.Add New Memo].

Then, press the **[Enter]** button.

2. Enter the memo in the Memo screen and press the **[Enter]** button to save.
 - Please refer to the 'Entering Characters' section of 'Things You Should Know' in this guide for entering characters.



Checking/Modifying/Deleting/Registering Memo

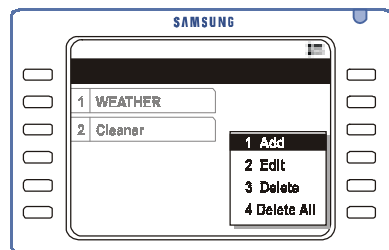
1. Press the **[Menu]** button and use the direction buttons to select



→ [4. Memo Pad] → [2.Search].

Then, press the **[Enter]** button.

2. Select the desired memo and press the **[Menu]** button to add a new memo or edit/delete existing memos.
 - Press **[Add]** to add a new memo.
 - Press **[Edit]** to modify a selected memo.
 - Press **[Delete]** to delete the selected memo.
 - Press **[Delete All]** to delete all registered memos.



3. Press the **[Enter]** button to review details of the selected memo.

Calculator

A simple calculator is available to add, subtract, multiply, and divide numbers.

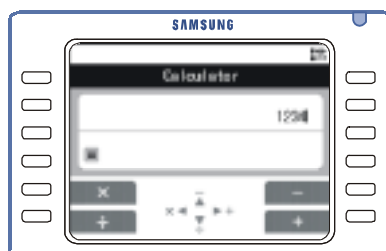
1. Press the **[Menu]** button and use the direction button to select



→ **[5. Calculator]**. Then, press the **[Enter]** button.

2. Enter the numbers to calculate. Then, press the direction button to select the required operation. Enter the next number and press the **[Enter]** button to check the calculation results.

- Press the **[#]** button to enter negative numbers, the **[*]** button to enter decimal points, and the **[Cancel]** button to delete incorrectly entered numbers.



3. To continue the calculation, select another required operation instead of pressing the **[Enter]** button at step 2. And enter the number to calculate.
 - Press the **[Enter]** button to complete the calculation.
4. Press the **[End]** button to finish calculation.

World Time

Allows you to search local time in 39 cities around the world(Guam, New York, Dallas, Tokyo, Denver, Lapas, London, Rome, Miami, Moscow, Midway, Bangkok, Berlin, Buenos Aires, Beijing, Samoa, San Francisco, Seoul, Sydney, Chicago, Abu Dhabi, Athens, Alaska, Alma Tai, Oakland, Okhotsk, Wellington, LA, Jakarta, Middle Atlantic, Tashkent, Phoenix, Karakas, Cape Verde, Paris, Hawaii, Honolulu, Helsinki, and Hong Kong).

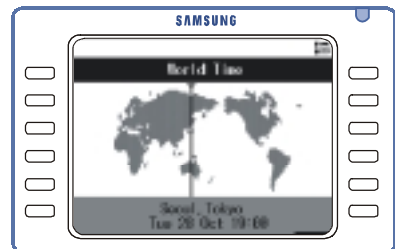
1. Press the **[Menu]** button and use the direction button to select



→ **[6. World Time]**. Then, press the **[Enter]** button.

2. Use the direction button to select the city where you want to check local time.

The local time of the time zone and major cities will be displayed.



Changing the Time Zone

- You can change the time zone by the following procedure.
- Press the **[Menu]** button in the world time.
- Then pop-up menu will be displayed 'Do you want to change time zone?'
- Select **[Yes]** and press the **[Enter]** button.
- Select the time zone(e.g. : Guam, Sydney) and press the **[Enter]** button.

D-DAY Plus

D-DAY Plus allows you to enter an important schedule so that you can check the time left until or the time passed from, the entered date (D-Day). The D-DAY can be entered directly, or can also be entered automatically by calculating the number of days before/after the entered base date.

Entering a New D-DAY

1. Press the **[Menu]** button and use the direction button to select

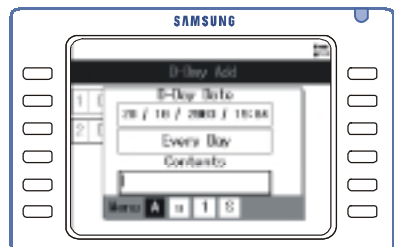


→ **[7. D-Day Plus]** → **[1. D-Day Add]**.

Then, press the **[Enter]** button.

2. Select **[1. D-Day Exact Date]** and set each option to enter a D-Day directly. Then, press the **[Enter]** button.

- Select **[2. D-Day Base/Off]** and set the base date, number of days, and before/after D-Day menus to calculate and enter a D-Day.



Searching a List of D-Days

1. Press the **[Menu]** button and use the direction button to select



→ **[7. D-Day Plus]** → **[2. D-Day Search]**.

Then, press the **[Enter]** button.

2. When the list of the registered D-Day's appears, press the direction button to select the desired D-Day to review.

- Press the **[Enter]** button to check the details of a D-Day.



3. Press the **[Menu]** button to edit or delete the selected D-Day or delete all the D-Day settings.

Unit Conversion

This feature provides a simply conversion program for commonly used units of measurement for temperature, length, weight, volume, and area.

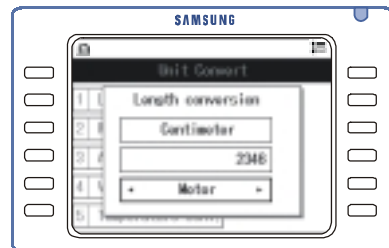
1. Press the **[Menu]** button and use the direction button to select



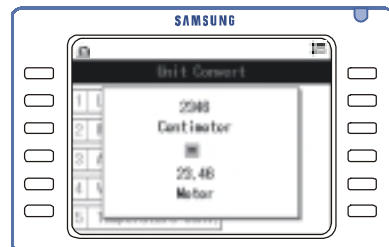
→ **[8. Units Convert]**. Then, press the **[Enter]** button.

2. Use the direction button to select the desired unit. Then, press the **[Enter]** button.

3. Specify the value of each item(base unit, number to convert, and conversion unit) and press the **[Enter]** button.



4. The converted value will be displayed.



5. Message

Press the  direction button to enter the Text Message menu OR

Press the [Menu] button and use the direction button to select
Then, press the [Enter] button.



Move to the desired menu and press the [Enter] button.

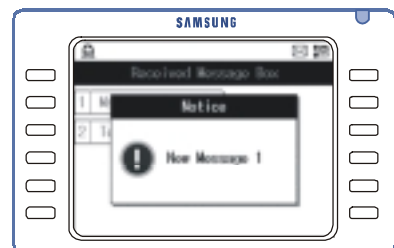
Received Messages

Allows you to check text messages or set the status of message reception.

1. Press the  button and use the direction button to select

 → [1. Received]. Then, press the [Enter] button.

2. When a new message is received, the screen that shows the number of messages will appear.



Message Charge

Allows you to review received text messages and to setup how you wish to be notified on the arrival of a new text message.

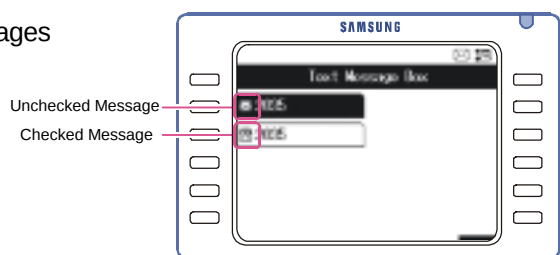
1. Press the  button and use the direction button to select

 → [1. Received] → [1. Msg. Charge].

Then, press the **[Enter]** button.

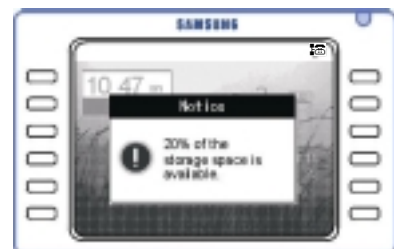
2. Select a message from a list of messages and press the **[Enter]** button to see the message content.

- If the message is long, press the direction button and display the rest of the message.



3. Press the **[Menu]** button at the Text Message box screen to reply/resending/delete the selected message or delete all messages.

- When free space of the draft memory is 20% of the total space, the screen on the right appears. Delete the unused messages from the draft to increase the space.



Setting Message Arrival Notice Interval

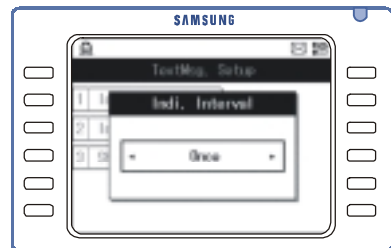
You can set how your phone will notify you of a new text message.

1. Press the  button and use the direction button to select

 → [1. Received] → [2. TextMsg.Setup] → [1. Indi. Interval].

Then, press the **[Enter]** button.

2. Select the interval for notifying you of a new message arrival and press the **[Enter]** button.
 - Once : Alarm rings once when a message arrives.
 - Every 2 Minutes : Alarm rings every 2 minutes until the message is checked.
 - No Tone : Alarm does not ring when a message arrives.



Setting a Message Arrival Alarm

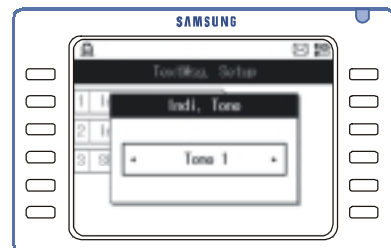
Allows you to set an alarm tone for notifying you of a message arrival.

1. Press the  button and use the direction buttons to select

 → [1. Received] → [2. TextMsg.Setup] → [2. Indi. Tone].

Then, press the **[Enter]** button.

2. Select an alarm tone and press the **[Enter]** button.
 - Alarm tones 1/2/3/4/5 : The specified alarm rings according to the interval setting.



Setting/Clearing Message Display

Allows you to select whether to display the contents of the message when the message arrives.

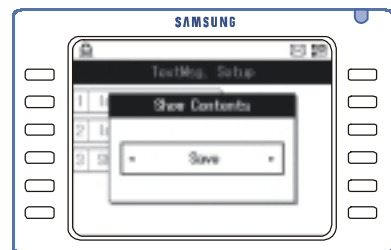
1. Press the  button and use the direction buttons to select

 → [1. Received] → [2. TextMsg.Setup] → [3. Show Contents].

Then, press the **[Enter]** button.

2. Select whether to display the contents of the message when the message arrives and press the **[Enter]** button.

- Select **[Save]** to display the popup screen with the contents of the new message.
- Select **[Clear]** to display the popup screen without displaying the contents of the new message.



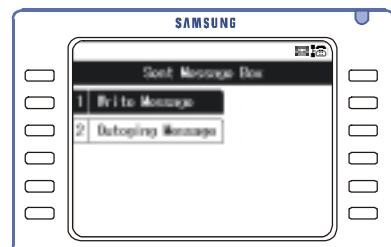
Sent Messages

Allows you to write a new message to be sent. In addition, messages saved in the Sent message box can be resent through the Sent message function.

1. Press the  button and use the direction buttons to select

 → [2. Write & Sent]. Then, press the **[Enter]** button.

2. Move from the Sent Message box to the desired menu and press the **[Enter]** button.



Writing a Message

You can write and send a text message.

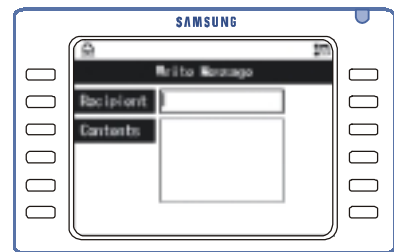
1. Press the  button and use the direction buttons to select

 → [2. Write & Sent] → [1. Write Message] → [1. Write New Message].

Then, press the **[Enter]** button.

2. Enter the phone number to receive the message as well as the message.
Press the **[Enter]** button, to send the message.

- Please refer to the 'Entering Characters' section of 'Things You Should Know' in this guide for entering characters.
- If the sending succeeds, the screen prompting you to save the message in the sent message box will be displayed. Select **[Yes]** and press the **[Enter]** button to save the message.
- If the sending fails, the screen prompting you to save the message in the reserved message box will be displayed. Select **[Yes]** and press the **[Enter]** button to save the message.



Retrieving and Sending a Message

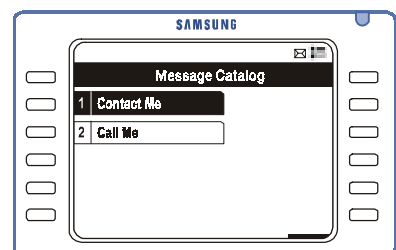
Allows you to retrieve the messages saved in the Text message box and send them as they are or after modification.

1. Press the  button and use the direction buttons to select

 → [2. Write & Sent] → [1. Write Message] → [2. Invoke Message].

Then, press the **[Enter]** button.

2. Use the direction button to move to the message to be retrieved and press the **[Menu]** button.
You can add a new sentence or Edit/Send/Delete the selected message or Delete All existing messages.



Managing the Sent Message Box

Allows you to check/delete/resend the sent or reserved messages saved in the Sent Message box.

- Messages cannot be modified.

1. Press the  button and use the direction buttons to select

 → [2. Write & Sent] → [2. Outgoing Message].

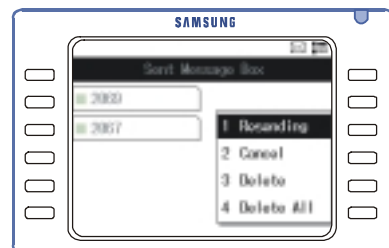
Then, press the **[Enter]** button.

2. Select the sent message required and press the **[Menu]** button.

The selected message can be resent to another person or deleted.

Select the **[Delete All]** menu to delete all the messages from the Sent Message box.

- To review a sent message, select the message from the Sent Message List screen and press the **[Enter]** button.
- To cancel the sent message regardless of being read.
Then the cancelled message is deleted from the receiver's message box.



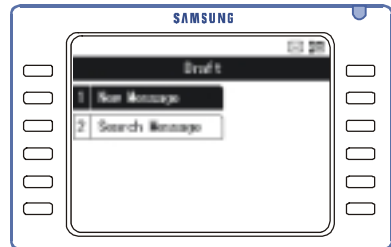
Draft

Allows you to retrieve and conveniently use messages saved as a Draft.

1. Press the  button and use the direction buttons to select

 → [3. Draft]. Then, press the [Enter] button.

2. Move from the Draft screen to the desired menu.
Then, press the [Enter] button.



New Draft Message Registration

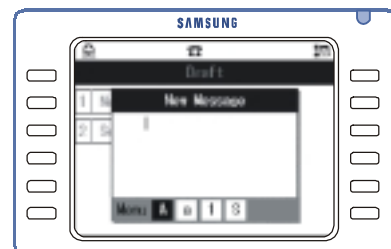
Allows you to write and register a new draft message for later use.

1. Press the  button and use the direction buttons to select

 → [3. Draft] → [1. New Message].

Then, press the [Enter] button.

2. Enter a new message and press the [Enter] button.
 - Please refer to the 'Entering Characters' section of 'Things You Should Know' in this guide for entering characters.



Searching Messages

Allows you to search your saved draft messages.

1. Press the  button and use the direction buttons to select

 → [3. Draft] → [2. Search Message].

Then, press the **[Enter]** button.

2. Use the direction button to move to the message to be retrieved and press the **[Menu]** button. Then, you can send/modify/delete/delete all the draft messages or add a new message.

- To check a message, select the message from the Message Catalog List screen and press the **[Enter]** button.



6. Volume Adjustment

Press the down direction  button to enter the Ring type/Volume menu OR

Press the **[Menu]** button and use the direction buttons to select
Then, press the **[Enter]** button.



Move to the desired menu and press the **[Enter]** button.

Selecting a Ring Type

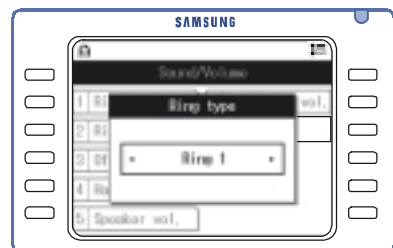
Allows you to select a ring type for incoming calls.

1. Press the  button and use the direction button to select

 → **[1. Ring type]**. Then, press the **[Enter]** button.

2. There are 8 ring types.

Use the  direction button to select the desired ring type.
Then, press the **[Enter]** button.

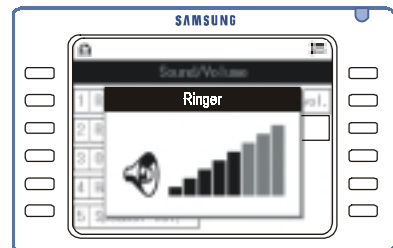


Ringer Volume

Allows you to set the volume of the ringer.

1. Press the  button and use the direction button to select  → [2. Ringer]. Then, press the **[Enter]** button.

2. There are 8 volume levels.
Press the **[▼Volume▲]** button to set the volume.

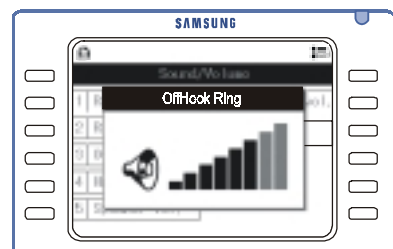


Off-hook Volume

Allows you to set the volume of the Off-hook ring that that indicates a waiting call.

1. Press the  button and use the direction buttons to select  → [3. OffHook Ring]. Then, press the **[Enter]** button.

2. There are 8 volume levels.
Press the **[▼Volume▲]** button to set the volume.



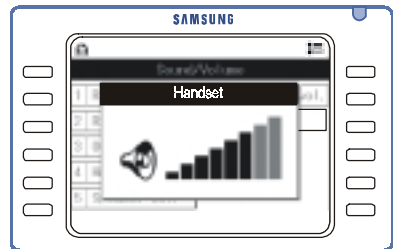
Handset Volume

Allows you to set the volume when speaking through the handset.

1. Press the  button and use the direction buttons to select

 → **[4. Handset]**. Then, press the **[Enter]** button.

2. There are 8 volume levels.
Press the **[▼ Volume ▲]** button to set the volume.



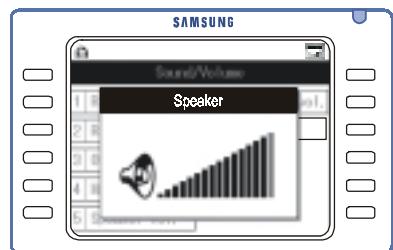
Speaker Volume

Allows you to set the volume of the speaker when using the phone in speakerphone mode.

1. Press the  button and use the direction buttons to select

 → **[5. Speaker]**. Then, press the **[Enter]** button.

2. There are 16 volume levels.
Press the **[▼ Volume ▲]** button to set the volume.



BGM Volume

Allows you to set the Back Ground Music(BGM) volume when the BGM is set on the IP phone.

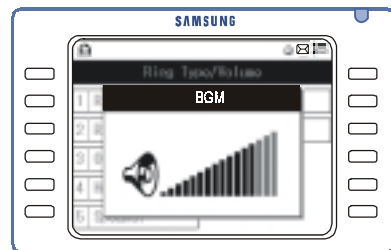
- If BGM is not available on your phone refer to your System Administrator.

1. Press the  button and use the direction buttons to select

 → **[6. BGM]**. Then, press the **[Enter]** button.

2. There are 16 volume levels.

Press the **[▼Volume▲]** button to set the volume.



Page Volume

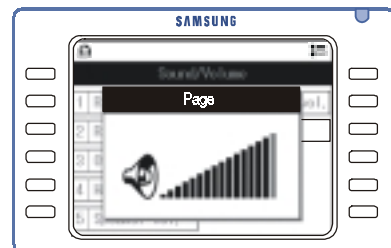
Allows you to set the volume for received Page announcements.

1. Press the  button and use the direction buttons to select

 → **[7. Page]**. Then, press the **[Enter]** button.

2. There are 16 volume levels.

Press the **[▼Volume▲]** button to set the volume.



7. Call Forwarding

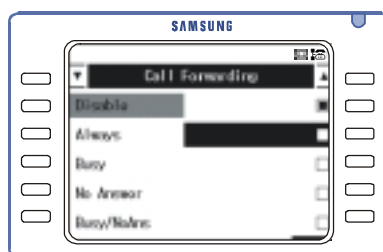
Allows you to forward your incoming calls to a specific extension, group of extensions or an external number when you are unable to receive an incoming call.

- The call forwarding option may not be available to all stations, please consult with your System Administrator.

1. Press the **[Menu]** button and use the direction buttons to select
Then, press the **[Enter]** button.



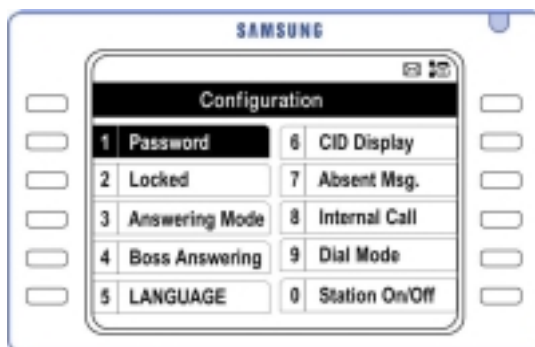
2. Use the direction button to move to the desired option, and press the **[Menu]** button to set **[Save]** or **[Edit]** to insert a new destination.



3. To set the forward option to an existing phone number, select it and, press the **[Enter]** button.
4. To enter a new destination or to modify the existing phone number, select **[Edit]** and press the **[Enter]** button. Enter the new destination number and press the **[Enter]** button. Press the **[Enter]** button again to set forwarding to the new destination.

8. Configuration

Press the **[Menu]** button and use the direction buttons to select. Then, press the **[Enter]** button.



Move to the desired menu and press the **[Enter]** button.

Changing a Password

Allows you to change your 4-digit password, which is used to protect your IP phone privacy or set a variety of IP phone features.

- Initial value of your password is 1234.

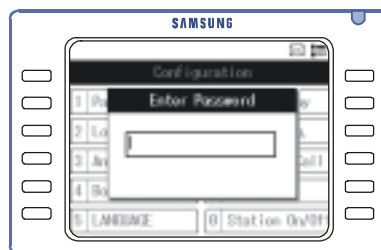
1. Press the **[Menu]** button and use the direction buttons to select



→ **[1. Password]**. Then, press the **[Enter]** button.

2. Enter the current 4 digit password and press the **[Enter]** button.

- The entered digits are displayed as asterisks '*'. *



3. The **[New Password]** screen appears. Enter a new password and press the **[Enter]** button.

4. The **[Confirm New Password]** screen appears.

Re-enter the new password entered in Step 3 and press the **[Enter]** button.

Locking a IP phone

Allows you to lock any outgoing trunk calls or incoming/outgoing calls to prevent others from using your IP phone without permission.

1. Press the **[Menu]** button and use the direction buttons to select



→ **[2. Locked]**. Then, press the **[Enter]** button.

2. Enter the password of the IP phone.

- Initial value of password is 1234.
- If you do not remember your password, contact your System Administrator



3. Use the direction buttons to select the lock type required. Then, press the **[Enter]** button.

- Unlocked : Unlocked.
- Locked All : Locked from all incoming/outgoing call.
- Locked Out : Locked from making outgoing calls only.

Setting the Answering Mode

Allows you to set the intercom answering mode of your IP phone.

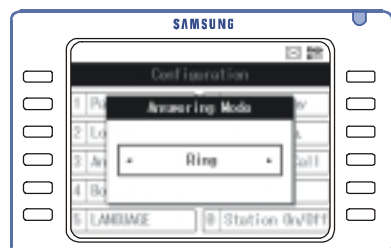
1. Press the **[Menu]** button and use the direction buttons to select



→ **[3. Answering Mode]**. Then, press the **[Enter]** button.

2. Use the direction buttons to select the answering mode. Then, press the **[Enter]** button.

- **Ring** : The IP phone rings when a intercom call arrives.
- **Auto Answer Mode** : The IP phone automatically answers an incoming intercom call.
- **Voice Announce** : You can hear only the caller's voice through a speaker.
The caller cannot hear you voice. To answer the call lift the handset and press the **[Send]** button and you will be connected to the caller.



Setting the Boss Answering Mode

Allows you to set the answering mode when you are called by a designated Secretary. Only applies if the IP phone is assigned with a boss function. If the Automatic mode or the Voice Announce mode is set, the call will be answered even if you are not present.

1. Press the **[Menu]** button and use the direction buttons to select



→ **[4. Boss Answering]**. Then, press the **[Enter]** button.

2. Use the direction button to select the Boss answering mode.

Then, press the **[Enter]** button.

- **Ring** : The IP phone rings when a call arrives.
- **Auto Answer Mode** : The IP phone automatically answers an incoming call.
- **Voice Announce** : You can hear only the caller's voice through the IP phone speaker. The caller cannot hear you. To answer the call lift the handset or press the **[Send]** button and you will be connected to the caller.



Language

Allows you to set the language displayed on the LCD screen of the IP phone.

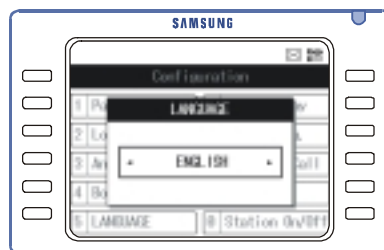
1. Press the **[Menu]** button and use the direction buttons to select



→ **[5. LANGUAGE]**. Then, press the **[Enter]** button.

2. Press the direction button to select the language. Then, press the **[Enter]** button.

- **ENGLISH** : The default language of the IP phone is set to English.



Setting the Method of CID Display

Allows you to set the type of Caller ID(CID) display on the LCD screen of the IP phone.

1. Press the **[Menu]** button and use the direction buttons to select.

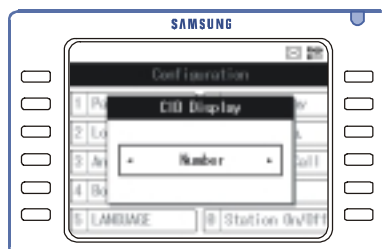


→ **[6. CID Display]**. Then, press the **[Enter]** button.

2. Use the direction button to select the type of caller ID display.

Then, press the **[Enter]** button.

- **None** : Caller IDs are not displayed.
- **Name** : If the name of a caller is registered in the [Phone Book], the name will be displayed. If not, the caller's telephone number will be displayed.
- **Number** : The telephone number of a caller is displayed.



Setting Absent Messages

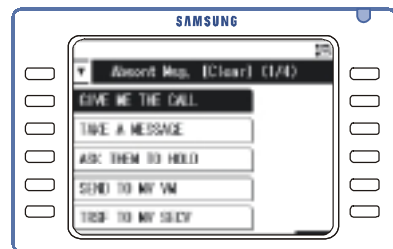
Allows you to set a message to be displayed to internal callers on their LCD screen if you are absent for a while.

1. Press the **[Menu]** button and use the direction buttons to select



→ **[7. Absent Msg.]**. Then, press the **[Enter]** button.

2. Use the direction buttons to select the desired absent message and then, press the **[Enter]** button.
The absent message will be set.



3. When an internal caller rings you, the absent message set will be displayed on the LCD panel of the caller's station.
 - To disable the set absent message, move to the message, press the **[Menu]** button, and select the **[Clear]** menu.
 - Messages 1 to 15 are registered within the OfficeServ system. Messages of 16 to 20 can be entered by you. Move to messages 16 to 20 (the Page 4 screen), press the **[Menu]** button, and select **[Edit]** to see the message input screen. Enter a message of up to 16 characters. For information about how to enter characters, refer to 'Entering Characters' section of 'Things You Should Know' in this guide.

Displaying Internal Calls

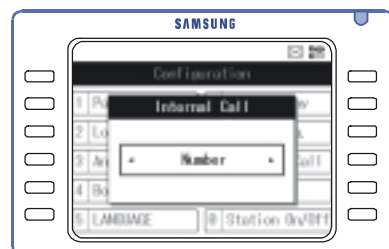
Allows you to determine whether internal numbers or internal names will be displayed in the Programmable features screen.

1. Press the **[Menu]** button and use the direction buttons to select



→ **[8. Internal call]**. Then, press the **[Enter]** button.

2. Use the Left/Right direction buttons to select a number or name.
Then, press the **[Enter]** button.



Dial Mode

Allows you to set the dial mode when making a call.

In Enbloc mode which is set by default, you enter the phone number first and press the **[Send]** button to connect to the other party. In the Overlap mode, as you enter the phone number, the call connection will be made immediately.

1. Press the **[Menu]** button and use the direction buttons to select

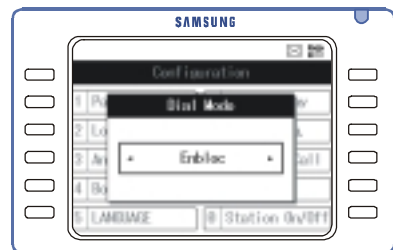


→ **[9. Dial Mode]**. Then, press the **[Enter]** button.

2. Use the Left/Right direction buttons to select the Dial Mode.

Then, press the **[Enter]** button.

- **Enbloc** : This mode is set to the IP phone by default. Enter the phone number and press the **[Send]** button to make a call. In the Enbloc mode, you can just delete a wrong phone number and re-enter the phone number without hanging up the IP phone and re-pressing the phone number.
- **Overlap** : Press the phone number to connect to another party immediately. If you press a wrong number, hang up the IP phone and re-enter the phone number.



Station ON/OFF

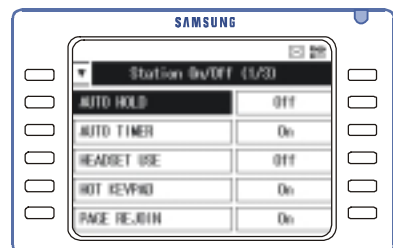
Allows you to set or disable functions of your phone.

1. Press the **[Menu]** button and use the direction buttons to select



→ **[0. Station ON/OFF]**. Then, press the **[Enter]** button.

2. Move to the desired menu and press the **[Enter]** button to toggle the feature **[On]** and **[Off]**.

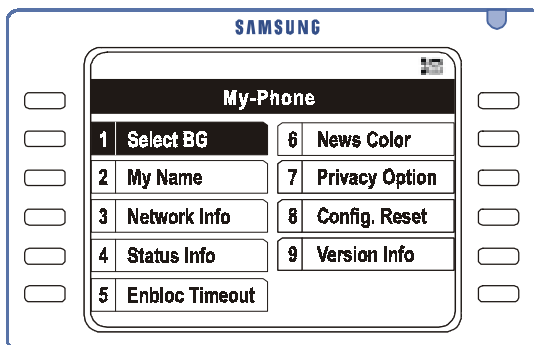


The functions which can be tailored to your individual requirements in Station ON/Off are:

- **AUTO HOLD** : if ON an existing external call is automatically placed on hold if a CALL button, trunk button or trunk group button is pressed during call. For example to answer a second incoming call.
- **AUTO TIMER** : if ON, the stopwatch timer automatically starts during an external call.
- **HEADSET USE** : if ON, this feature disables the hook switch allowing you to answer all calls when using a headset by pressing the [Speaker] or [Send] button, as applicable.
- **HOT KEYPAD** : if ON, this feature allows the you to dial numbers, in Overlap dialling mode, without having to first lift the handset or press the [Speaker] button.
- **KEY TOUCH TONE** : if ON, allows the you to hear a tone when pressing buttons on your station.
- **PAGE REJOIN** : if ON, allows you to hear the latter part of page announcements when you become free during a page.
- **RINGING PREFERENCE** : if ON, you can answer a ringing call by pressing the [Send] button, or by lifting the handset.
- **CALL COST DISPLAY** : if ON, the cost of the call in progress will show in the upper right corner of the station display instead of duration of the call. May not be available on all systems
- **AUTO CAMPON** : if ON, allows you to automatically camp on to busy stations by remaining off hook without having to press a [CAMP-ON] button.
- **AME BGM** : if ON, allows you to hear background music (BGM) instead of your personal mailbox greeting your caller's hear when Answer Machine Emulation is activated. Requires the Samsung Voicemail card and a BGM source programmed for your station.
- **AME PASSWORD** : if ON, you must enter your station password to set Answering Machine Emulation on your station . This feature requires the Samsung Voicemail card to be installed in your OfficeServ system.
- **DISPLAY SPEED NAME** : if ON, the speed dial name associated with a speed dial number is displayed on your station's LCD display when using speed dial. Not available on all systems.
- **CID REVIEW ALL** : if ON, saves information on all calls that ring your station. When OFF, saves information only on calls that were not answered at the extension or by voice mail. Not available on all systems.
- **SECURE OHVA** : if ON, an OHVA announcement from another station will only be heard when you are using the handset. When OFF, OHVA announcements will be heard through the phone speaker. Not available on all systems.
- **STOP CID DISPLAY** : if ON, the Caller ID will not be displayed after you answer an external call.
- **AUTO ANSWER TRUNK** : if ON, your station will automatically answer an incoming external call. Not available on all systems.

9. My Phone

Press the **[Menu]** button and use the direction buttons to select
Then, press the **[Enter]** button.



Move to the desired menu and press the **[Enter]** button.

Select BG

Allows you to set the initial background screen on the LCD of your IP phone.

1. Press the **[Menu]** button and use the direction buttons to select



→ **[1. Select BG]**. Then, press the **[Enter]** button.

2. Use the direction buttons
to select the desired screen, and
then press the **[Enter]** button.



Entering the Name

Allows you to enter your name to identify your IP phone.

The entered name is displayed on the LCD screen of the caller's phone during an internal phone call.

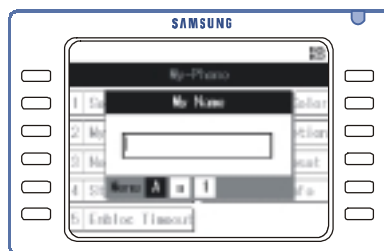
1. Press the **[Menu]** button and use the direction buttons to select



→ **[2. My Name]**. Then, press the **[Enter]** button.

2. When the name input screen appears, enter a name of up to 11 characters and press the **[Enter]** button.

- Please refer to the 'Entering Characters' section of 'Things You Should Know' in this guide for entering characters.



Network Information

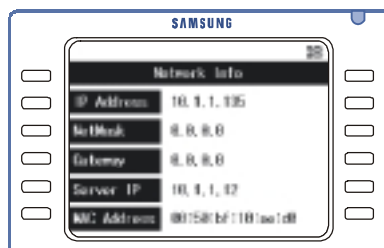
Allows you to view the network information registered in your phone.

1. Press the **[Menu]** button and use the direction button to select



→ **[3. Network Info]**. Then, press the **[Enter]** button.

2. The network information(IP Address, Sub Net mask, Gateway, Server IP and MAC Address) is displayed.



Viewing Status Information

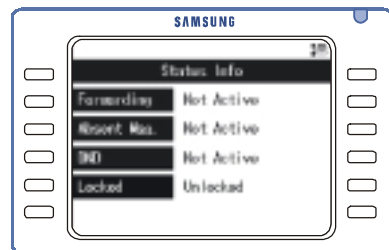
Allows you to check the feature status registered on your phone.

1. Press the **[Menu]** and use the direction buttons to select



→ **[4. Status Info]**. Then, press the **[Enter]** button.

2. Displays the Call Forwarding, Absent Message, DND, and Lock status of your IP phone.



Enbloc Timeout

Allows you to set a valid time from entering a phone number to pressing the **[Send]** button when the dial mode of the IP phone is set to Enbloc.

1. Press the **[Menu]** button and use the direction buttons to select

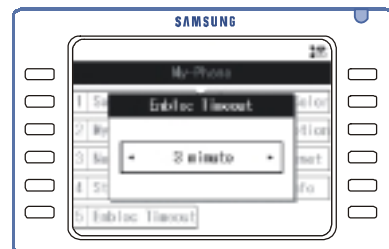


→ **[5. Enbloc Timeout]**. Then, press the **[Enter]** button.

2. Use the direction button to select an Enbloc Timeout time (options are : 30 seconds/a minute/three minutes).

Then, press the **[Enter]** button.

- If you do not press the **[Send]** button before, the Enbloc timeout the entered phone number will be cancelled and the number must be re-entered. This function is applied to the application menu screen.



- **Enbloc**

This is a dial mode set in the IP phone by default. Enter the phone number and press the **[Send]** button to make a call. In the Enbloc mode, you can just delete an incorrect number using the **[Cancel]** button and re-enter the phone number without hanging up the IP phone and starting again.

News Color

Allows you to set the color of characters of OfficeServ News in the calendar screen.

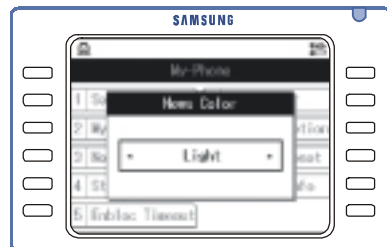
1. Press the **[Menu]** button and use the direction buttons to select



→ **[6. News Color]**. Then, press the **[Enter]** button.

2. Select 'Light' or 'Dark'.

- **Light**
The black news characters are displayed on the white background screen.
- **Dark**
The white news characters are displayed on the black background screen.



Privacy Option

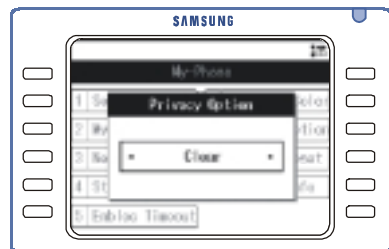
Allows you to restrict unauthorised access to the Application Menus on your phone. To access the Application Menus you must enter your phone is the privacy option is set.

1. Press the **[Menu]** button and use the direction buttons to select



→ **[7. Privacy Option]**. Then, press the **[Enter]** button.

2. Enter your password, and select **[Save]** or **[Clear]**.
Then press the **[Enter]** button to enable.



Config. Reset

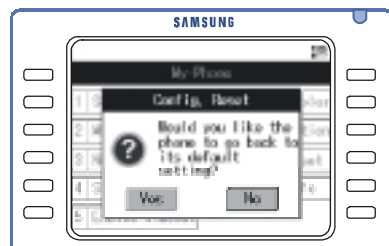
Allows you to delete all saved data(Phone Book, Messages etc).

1. Press the **[Menu]** button and use the direction buttons to select



→ **[8. Config. Reset]**. Then, press the **[Enter]** button.

2. Enter your password, and select **[Yes]** or **[No]**.
3. Press the **[Enter]** button to save.



Version Information

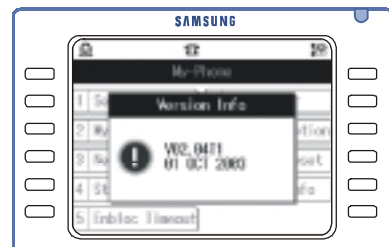
Allows you to view the version of your phone.

1. Press the **[Menu]** button and use the direction buttons to select



→ **[9. Version Info]**. Then, press the **[Enter]** button.

2. The version of your phone is displayed on the screen.



ANNEX

1. Troubleshooting

Possible problems and troubleshooting steps for your IP phone are described below:
Check the troubleshooting steps before contacting your Authorised Samsung Reseller.

? The phone does not boot when the power is connected.

- Check to confirm the data network cable is connected to the LAN socket on the phone properly.
- Check to confirm the connected power adaptor was the one supplied with the ITP-5012L phone.
- Disconnect the power adaptor from the phone, and connect it again after about 10 seconds.
(Refer to 'Assembling the ITP-5012L IP phone' section of 'Preparation' in this guide.)

? The phone does function after booting.

- If the screen of the phone displays 'IP conflict', you should consult your IT Manager.
Indicates another network device(e.g. PC) is using the same IP address as your phone.
- If the screen of the phone displays 'ID conflict', you should consult your IT Manager.
Indicates the user ID for your phone is already in use by another IP phone user.

? Dial tone is not heard even if you lift the handset or press the [Speaker] button.

- Check the data network cable and the data cable to your PC are connected correctly to the LAN and PC sockets respectively.
- If the phone's dial mode is set to 'Enbloc', you will hear dial tone only after pressing the **[Send]** button.
(Refer to 'Dial Mode' of 'Config.' in the 'Application Menus' section of this guide.)
- Check the network environment is setup correctly in the phone.
(Refer to the 'Getting Started' section of this guide.)

? Nothing appears on the LCD screen while the ITP-5012L phone is being used.

- ➡ Check the data network cable is correctly connected to the LAN socket on the ITP-5012L phone.
(Refer to 'Assembling the ITP-5012L IP phone' section of 'Preparation' in this guide.)

? The ITP-5012L phone does not ring and volume is too low.

- ➡ Press the [▼Volume▲] button to adjust the volume.
(Refer to 'Volume Adjustment' section of the 'Things You Should Know' section in this guide.)

? Conversation quality is reduced due to noise and echo.

- ➡ If you are using the speakerphone, lift the handset and try speaking.

? Excessive echo is heard during a page announcement or with Auto Answer set.

- ➡ If IP phones are too close to each other, sound from one speaker might echo during a page or on auto answer call.
Keep a reasonable distance between IP phones.

? Caller IDs are not displayed on the LCD screen.

- ➡ Confirm with your System Administrator that the caller ID service is available from your Telephone Company.
- ➡ If the caller blocks the sending of their caller ID, the caller ID will not be displayed.
- ➡ If the caller makes a call from an area where the caller ID cannot be provided (e.g. international calls), the caller ID will not be displayed.
- ➡ If the caller makes a call from a public phone, the caller ID will not be displayed.
- ➡ If the caller ID received from the Telephone Company is corrupt, the caller ID will not be displayed.
- ➡ If the Telephone Company does not send a caller ID, the caller ID will not be displayed.

* Refer to 'the Caller ID(CID) Presentation' from the 'Convenient Features' section of this guide.

? An alarm does not ring at the programmed time.

- ⇒ Check the current time is set on the ITP-5012L phone correctly. If the current time setting needs to be changed, contact your System Administrator.
- ⇒ Check if an alarm is set.
(Refer to 'Alarm Clock' in the 'Application Menus/E-Diary' section of this guide.)

2. Product Specifications

The specifications and features of the ITP-5012L IP phone are as follows.

Item	Specification
Model	 ITP-5012L
Weight(kg)	1.1
Size(mm)	266(width) X 206(length) X 122(height)
Operating Temperature(°C)	0 to 45
Operating Humidity(%)	10 to 90 non condensing
Ethernet 10/100BASE-T	2 Ports(LAN & PC)
Dynamic Compression Modes	G.711 and G.729A
Protocol	Proprietary and SIP
Number of the [Select] buttons	12
Navigation Button	Yes
Speakerphone	Full Duplex
LCD	Graphic LCD(320 x 240 pixel)