T A B L E   O F   C O N T E N T S

USER INSTRUCTIONS

OfficeServ Wireless Quick Set Up Guide

Step 1: Connect System Components

1. Turn off system power.
2. Insert WLI into slot (500R2:1 to 3; 100R2: 1 to 3 of base cabinet; 7200: 1 to 5).
3. Load IDCS 500R2 or 100R2 or 7200 system with MCP2 software version 2.4x or up.
4. Use MMC 806 to install card.
5. Connect Combo APs (aka. WBS, WBS24, AP, type A, CWBS) to WLI using straight data cable; see pin assignments for 500R2 and 100R2.
6. Turn on power.
   a. Combo AP power LED will be on after all data are programmed.

Step 2: Pre-determinate the following data

1. System ID or SSID
2. System Key
3. System IP address
4. System Gateway IP address
5. AP RF channels (frequency planning)
6. AP IP addresses
7. Handset IP addresses

e.g.
Sample Configuration Table (1 WLI + 2 Combo APs + 4 Handsets)

1. System IP: 165.213.97.185
2. System gateway: 165.213.97.1
3. System ID: 123456 (must be numeric, max 6 digits)
4. System Key: 12345 (must be nonzero numeric, max 5 digits)
5. AP TX Power: Level 4 (max)
6. AP1 IP: 165.213.97.11
7. AP1 RF CH: 1
8. AP2 IP: 165.213.97.12
9. AP2 RF CH: 11
10. 2nd WBS IP: 165.208.144.10 (leave it as default)
11. Handset 1 IP: 165.213.97.101
12. Handset 2 IP: 165.213.97.102
13. Handset 3 IP: 165.213.97.103
14. Handset 4 IP: 165.213.97.104
15. WEP key: Disable
16. CODEC: G729

Step 3: Programming Wireless Voice

1. Enter the technician mode (MMC 800, pw: 4321).

2. MMC 830

   a. Verify the desirable system IP and gateway address are in place.

      e.g.

      System IP: 165.213.97.185   Gateway: 165.213.97.1

3. MMC 831

   a. If there is MGI card in the system, then make sure the VoIP phone and MGI IP addresses are not conflict with VoWLAN IP addresses.

4. MMC 849; **skip any field that is not mentioned.**

   a. Use password "0000" to enter.

      ```
      [ENTER PASSWORD ]
      [0000           ]
      ```

   b. Enable VoWLAN registration.

      ```
      [REGISTER VOWLAN]
      [ENABLE         ]
      ```

   c. Select "Combo AP" type.

      ```
      [SELECT AP TYPE ]
      [COMBO WBS      ]
      ```

5. MMC 845

   a. Set WLAN data; use right soft key to move to the right field.

      i. Set system ID.

         ```
         [WLAN: SYSTEM ID ]
         [123456          ]
         ```

      ii. Set system KEY.

         ```
         [WLAN: SYSTEM KEY]
         [12345           ]
         ```

      iii. Set system RF channel selection.

         ```
         [WLAN: RF CHANNEL]
         [USE CH 1: 01  ]
         ```

         - Use/Select channel 1, 6 and 11 only.

      iv. Set TX power level for the entire system.

         ```
         [WLAN: WBS TX PWR]
         [LEVEL 4         ]
         ```

b. Set up WBS24s (APs):

    i. Use volume key to scroll until CWBS1 appear. The cursor must be under the first character to have CWBS to show up. Use left soft key to move cursor to the 1st character position.

    ii. Set IP addresses; repeat these steps for all APs.

```
[CWBS1 : IP ADDR ]
[165.213. 97. 11 ]
```

    iii. Set Gateway.

```
[CWBS1 : GATEWAY ]
[165.213. 97.  1 ]
```

    iv. Set Net mask.

```
[CWBS1 : NET MASK]
[255.255.255.  0 ]
```

    v. Set RF channel; use different channel for each AP.

```
[CWBS1 : RF CHAN ]
[USE CH 1:01     ]
```

    Note: <u>If RF Channel shows NONE or 0, AP will keep rebooting.</u>

    vi. Set TX power for individual AP; level 4 is max.

```
[CWBS1 : TX POWER]
[LEVEL 4         ]
```

    Note: After the above setting, access point will start powering up. It will take about <u>1 minute</u> to be operational. In idle state, the LED PWR, WLI, and WLAN will stay on and LD1 and LD2 are off. **You MUST wait for the AP in idle state before starting handset registration**.

6. MMC 848

a. Set handset IP address for each handset.

```
[IP:001 USED:    ]
[165.213. 97.101 ]
```

7. Handset Registration

a. Need to un-register first, if handsets have previous registration data.

    i. Press <menu>, <6>, <3>, <password> (default 1234), <1> to un-register.

b. Enter the following info to register the handset:

    i. Press <Menu>.

    ii. Select <6> for System.

    iii. Select <1> for Registration.

    iv. Select <1> for System 1.

v. Select <1> for DHCP mode.

vi. Enter System SSID, e.g. 123456, and press <OK>.

vii. Enter user ID, e.g. **1212**, and press <OK>; all handsets have the same default ID & PW.

viii. Enter password, e.g. **0000**, and press <OK>.

ix. Skip encryption by pressing <OK>. (It takes about 30 seconds to complete one handset registration.)

x. Default wireless IP handset extension number starts with 3301. Use MMC 724 to change numbering plan.

c. Repeat the above process for each handset.

Step 4: Optional Wireless Data Set Up

1. Connect data cable between Combo AP LAN connector and data network.

a. Combo AP doesn't have DHCP server built-in. Either the data network provide DHCP function or client device need to use static IP to access data network.

b. Combo AP SSID is hidden. This is security feature. We don't want to broadcast SSID to everyone. If one uses Laptop to scan all available wireless networks, the SSID 123456 will not show up. One needs to type in the assigned SSID.

2. Set up laptop PC to access data; laptop PC must have 802.11b/g Wi-Fi card. Set up example for Windows 2000.

a. Click <Start>, <Settings>, <Network and Dial-Up Connections>.

b. Enable WLAN network by right click "Local Area Connection 3" (WLAN device) and select "Enable".

c. Enter WLAN network properties by right click "Local Area Connection 3" and select "Properties".

d. Click <Configure> tab.

e. Select <Wireless Network>.

f. **Under Network Name (SSID), enter system ID, e.g. 123456.**

g. Click <OK>.

h. Double click "Internet Protocol (TCP/IP)".

i. Select "Obtain IP Address Automatically" and "Obtain DNS Server Address Automatically", or enter static IP address and DNS server address manually.

j. Select <OK>, and <OK>.

iDCS 500 Release 2 / OfficeServ

Connection between 8WLI 50pin Champ Connector and RJ-45 Connector

The cable you use to connect the 8WLI card with the WBS24 is a Twisted-pair cable that the one end is RJ-45 Connector (Connected with WBS24) and the other end is champ connector (Connected with 8WLI) as shown in the figure below.

Champ connector

RJ-45 connector

8WLI ←

WBS24 →

**1
to
25**

**26
to
50**

1 ... 8
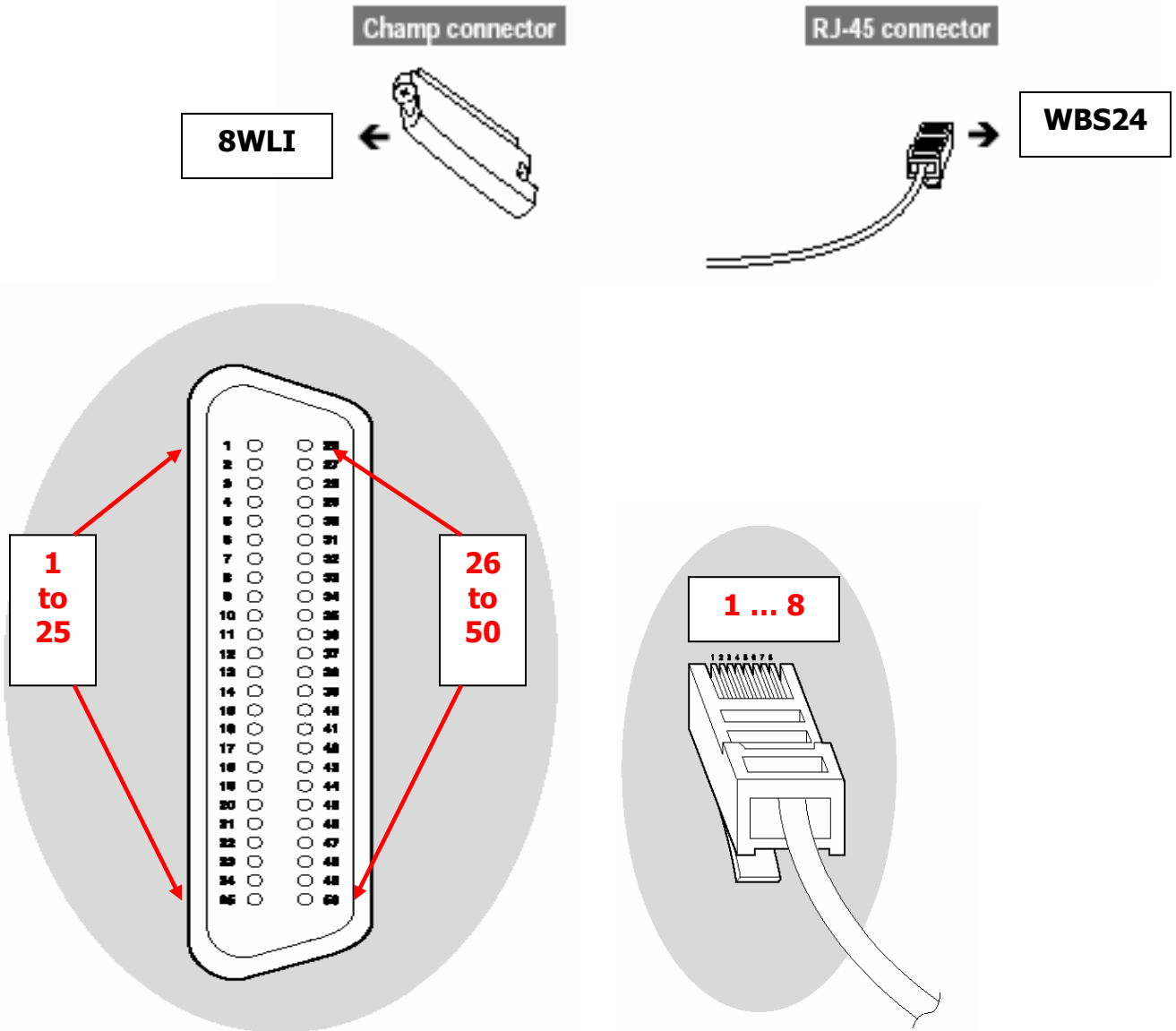
iDCS 500 Release 2 / OfficeServ

| Port | Signal | 8WLI Side | |
		50P Champ Pin	COLOR
# 1	D Channel data	26 1	W-BL BL-W
	Sync line	27 2	W-O O-W
# 2	D Channel data	29 4	W-BR BR-W
	Sync line	30 5	W-S S-W
# 3	D Channel data	32 7	R-O O-R
	Sync line	33 8	R-G G-R
# 4	D Channel data	35 10	R-S S-R
	Sync line	36 11	BK-BL BL-BK
# 5	D Channel data	38 13	BK-G G-BK
	Sync line	39 14	BK-BN BN-BK
# 6	D Channel data	41 16	Y-BL BL-Y
	Sync line	42 17	Y-O O-Y
# 7	D Channel data	44 19	Y-BN BN-Y
	Sync line	45 20	Y-S S-Y
# 8	D Channel data	47 22	V-O O-V
	Sync line	48 23	V-G G-V

iDCS 100 Release 2 / OfficeServ

| Base Cabinet Station # | Signal | S4WLI Side | |
		50P Champ Pin	COLOR
SLOT1 # 1	D Channel data	26 / 1	W-BL / BL-W
	Sync line	27 / 2	W-O / O-W
SLOT1 # 2	D Channel data	28 / 3	W-GN / GN-W
	Sync line	29 / 4	W-BR / BR-W
SLOT1 # 3	D Channel data	30 / 5	W-S / S-W
	Sync line	31 / 6	R-BL / BL-R
SLOT1 # 4	D Channel data	32 / 7	R-O / O-R
	Sync line	33 / 8	R-G / G-R
SLOT2 # 1	D Channel data	36 / 9	R-BN / BN-R
	Sync line	35 / 10	R-S / S-R
SLOT2 # 2	D Channel data	36 / 11	BK-BL / BL-BK
	Sync line	37 / 12	BK-O / O-BK
SLOT2 # 3	D Channel data	38 / 13	BK-G / G-BK
	Sync line	39 / 14	BK-BN / BN-BK
SLOT2 # 4	D Channel data	40 / 15	BK-S / S-BK
	Sync line	41 / 16	Y-BL / BL-Y
SLOT3 # 1	D Channel data	42 / 17	Y-O / O-Y
	Sync line	43 / 18	Y-G / G-Y
SLOT3 # 2	D Channel data	44 / 19	Y-BN / BN-Y

RJ-45 CONNECTOR

1 2 3 4 5 6 7 8
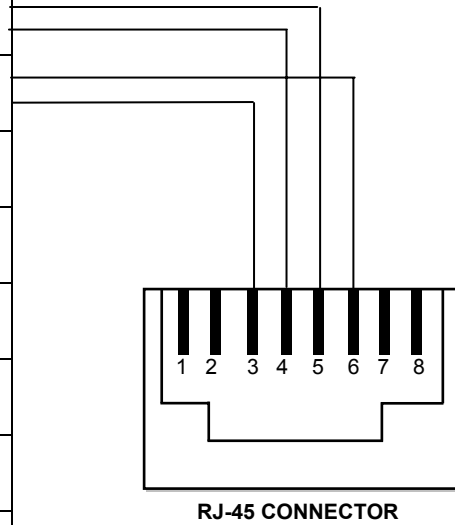
Base Cabinet Station #	Signal	S4WLI Side	
		50P Champ Pin	COLOR
	Sync line	45	Y-S
		20	S-Y
SLOT3 # 3	D Channel data	46	V-BL
		21	BL-V
	Sync line	47	V-O
		22	O-V
SLOT3 # 4	D Channel data	48	V-G
		23	G-V
	Sync line	49	V-BN
		24	BN-V

Remarks

1. Handset has hidden mode for the following info:

   a. Software version

   b. IP address

   c. MAC address

   d. Phone State

   e. Display RSSI, voice quality is guarantee when CQ>=45

   To access the hidden mode:

   - **In Idle state: \<menu>, \<hold>, \<*>, \<#>**

   - **In conversation state (only RSSI): \<music key>, \<#>**

2. AP TX power setting (5 levels, including Default level):

   a. Level 1: 10 mW, 10 dBm

   b. Level 2: 25 mW, 14 dBm

   c. Level 3: 50 mW, 17 dBm

   d. Default: 85 mW, 18 dBm

   e. Level 4: 100 mW, 20 dBm

3. 2nd WBS (AP) IP address is used for wireless voice communications only. It can be any IP address. It doesn't have to be on the same subnet address range as the system. **Leave it at its default**.

4. Static WBS (AP) IP is only used for WAP-B (Basic) type. It doesn't apply to WAP-A (Combo) type.

5. If WEP key is used, user needs to enter all 13 numeric digits. System takes 13 ASCII digits WEP key, no variable size is allowed.

6. When handset is out of range,

   a. It will maintain the call for 30 seconds to allow user to come back to the coverage area;

   b. It will keep searching AP (in pre-defined time interval).

   c. Once in range, handset will automatically re-registered and in service.

7. DNS server info is not used in MMC 845.

8. Handset can be **cleared** (de-registered) from system by using MMC 849.

   a. After selecting the extension number, move the right softkey to the field "FORCED"

   ```
   [WIP REGISTER CLEAR]
   [3301 : FORCED     ]
   ```

    b. Press right softkey again

       `[WIP REGISTER CLEAR]`

    `[ARE YOU SURE?`<u>`NO`</u>`   ]`

    c. Press <1> to start the process

9. If handset hangs up, removing and re-inserting the battery can reset to idle.

10. Useful MMCs

- MMC 847: Display status of WLI and WAP

- MMC 815: Customer database copy

- MMC 724: Dial numbering plan

  - Wireless IP handset is under "IP STN NUM PLAN"

  - For 500M version, VoWLAN starts with IDX061

  - For 500L version, VoWLAN starts with IDX121

  - For 7200, VoWLAN starts with IDX061

  - For 100, VoWLAN starts with IDX033

- MMC 805: Adjust voice path gain

- MMC 217: Station pair assignment

- MMC 210: To change call forward setting

- MMC 846: To change handset registration user id and password

- MMC 844: IP Station Type (handset is "Mobile Phone" type)

- MMC 101: Reset handset password

OfficeServ Wireless
Quick Software Upgrade Guide

Wireless Access Point – WBS24 (Combo)

REQUIREMENTS:

1. A working iDCS 500R2/100R2 or OS 7200 VoWLAN system
2. A PC with Ethernet network card or 802.11b Wi-Fi client card

SET UP:

1. Wired network card (**recommended method**)
    a. Method 1: Connect laptop PC Ethernet port and AP LAN port to a common Hub/Switch, or
    b. Method 2: Connect laptop PC Ethernet port to the AP LAN port via a crossover cable.
2. Wireless LAN card
    a. Move laptop PC within the AP coverage range, say less than 10 ft
    b. Set SSID to the system ID, e.g. 123456.
        i. Samsung access points do not broadcast SSID to the air. This is for security reason. If you use a PC to scan all available wireless networks, you won't find it. You need to enter the SSID manually and let PC connect to it.
        ii. After connection, you can use PING command under DOS windows to check the connectivity. E.g. >ping 165.213.97.11. If may take a while for PC to find it.
    c. If you move PC from one access point coverage to another, the PC may still connect to the previous AP. You may need to disable and enable the WLAN card in the PC to force to connect to the desired AP.

STEPS:

1. Set up PC TCP/IP address to the same subnet range.
    e.g. Windows 200 OS with wired network card
    a. Click <Start>, <Settings>, <Network and Dial-Up Connections>
    b. Right click "Local Area Connection" and select "Properties"
    c. Double click "Internet Protocol (TCP/IP)"
    d. Select "Enter the following IP address" and enter the PC IP address, e.g.
        i. IP address: 165.213.97.10
        ii. Subnet mask: 255.255.255.0
        iii. Default gateway: 165.213.97.1

e. Select <OK>, and <OK>

2. Connect to the Web page of the access point by using Internet Explorer web browsing application software.
   a. Enter the IP address of the AP at the address bar and press GO
      e.g. 165.213.97.11

3. After access point web page pops up, select <Upgrade> menu and enter
   a. User name: **wlan**
   b. Password: **wlan**

4. Use <Browse..> button to select the file.
   a. Default file name is **http_upload.tar**

5. Click <Upgrade> button to start the process

6. After finish downloading, click <Restart> to complete the process.

Handset

The user registration data will be preserved during the software upgrade process. After software upgrade, turn-on the handset will automatically re-register to the system.

REQUIREMENTS:
1. A working iDCS 500R2/100R2 or OS7200 VoWLAN system with one access point.
2. A PC with network card.
3. TFTP server software for PC.
    a. E.g. "SolarWinds" or "WinTFTP Server"

SET UP:
1. Method 1: Connect laptop PC Ethernet port and AP LAN port to a common Hub/Switch, or
2. Method 2: Connect laptop PC Ethernet port directly to the AP LAN port via a crossover cable.

STEPS:
1. **Run TFTP server software**

    e.g. WinTFTP Server 1.0
    b. Set up upload filename path and make sure file is in the directory
       e.g. C:\temp
2. Check the downloader software version.
    a. Turn off the handset power by press-hold <end> key for 2 seconds.
    b. Press <5> and <END> at the same time to turn on the handset. Check the Downloader version number.
3. If the downloader software is not v3.02 and above, you need to upgrade the downloader (boot) software. If you upgrade the main software with the old version of downloader, the handset will be unusable. Skip this process if you have the right downloader version.
    a. **Be extra carefully performing the following process (make sure the battery is full and is in RF coverage range), if this process fails for any reason the handset is unusable.** You will need to send it back to Samsung for repair.
    b. While in the downloader mode,
        i. Press <2> "Download App." to enter the downloading mode
        ii. Press <1> to "Edit IP"
            1. Assign an IP address for handset. e.g. 165.213.97.200
            2. Press <OK>
            3. Enter SSID of the system. e.g. 123456
            4. Press <OK>

5. Press <OK> to skip WEP key entry

6. Press <2> to disable WEP key. The display will flash between "SAMSUNG" and "** Downloader **". The handset is ready to download the software.

 c. Ping handset IP address from the DOS Windows of the PC. E.g. >ping 165.213.97.200 –t

 d. After receiving the response from the pinging, use CTRL-C to cancel the command.

 e. Open Internet Explorer, enter the handset IP address at the address field, and click GO. E.g. 165.213.97.200

 f. After handset web page pops up, enter password of the handset (default 1234), and select "Download".

 g. Enter TFTP server address (PC IP address). e.g. 165.213.97.10

 h. Enter file name. e.g. **downloader_v302.r0** and click <Start Download> button. The handset LCD will show running numbers and "Burning".

 i. After completion, the handset LCD will show "Download OK", then flash between "SAMSUNG" and "** Downloader **".

 j. Remove the handset battery and re-insert the battery.

 k. Turn on the handset power. The handset LCD will show "Burning", "Extracting", and "Complete". After that the 2nd line of display will show "upgrade main pgm".

 l. Remove the handset battery and re-insert the battery.

4. Start downloading the main software

 a. Enter the downloading mode

  i. Press <5> and <END> at the same time while in power off mode. The downloader version should be v3.02 or above.

  ii. Press <2> "Download App." to enter the downloading mode

  iii. Press <1> to "Edit IP"

   1. Assign an IP address for handset. e.g. 165.213.97.200

   2. Press <OK>

   3. Enter SSID of the system. e.g. 123456

   4. Press <OK>

   5. Press <OK> to skip WEP key entry

   6. Press <2> to disable WEP key. The display will flash between "SAMSUNG" and "** Downloader **". The handset is ready to download the software.

 b. Ping handset IP address from the DOS Windows of the PC. E.g. >ping 165.213.97.200 -t

 c. After receiving the response from the ping, use CTRL-C to cancel the operation.

 d. Open Internet Explorer, enter the handset IP address at the address field, and click GO. E.g. 165.213.97.200

e. After handset web page pops up, enter password of the handset (default 1234), and select "Download".

f. Enter TFTP server address (PC IP address). e.g. 165.213.97.10

g. Enter file name. e.g **ofsr_v03.01.00_050627.r0** and click <Start Download> button. The handset LCD will show running numbers and "Burning".

h. After completion, the handset LCD will show "Download OK"

i. Remove the handset battery and re-insert the battery.

j. Turn on the handset power and press <menu>, <hold>, <*>, <#> and <1> to check the software version number.

Note: When program other handsets, it is better to assign different IP address (e.g. 165.213.97.201) for each handset.

Wireless Line Interface - WLI

REQUIREMENTS:

1. A working iDCS 500R2/100R2 or OS7200 VoWLAN system
2. A PC with serial cable to connect to WLI serial port
   a. S4WLI for 100R2 requires cross over 9-pin serial cable.
   b. 8WLI for 500R2 requires straight 9-pin serial cable.
   c. 4WLI for 7200 requires 9-pin serial cable to RJ-45 connector
      i. SIO pin 2 (TX) to RJ45 Pin 3 (TX)
      ii. SIO pin 3 (RX) to RJ45 Pin 6 (RX)
      iii. SIO pin 5 (GND) to RJ45 Pin 4 (GND)
3. Terminal emulation SW ex. "Tera Terminal"

STEPS:

1. Use "Tera Terminal" with the following serial port setting
   a. Bits per second: 9600
   b. Data bits: 8
   c. Parity: none
   d. Stop bits: 1
   e. Flow control: none
2. After establish communications, press <enter> key then the screen will show WLI>
3. Enter "flo"
4. Select '1' then the following message will show up.

```
Selected 1> Single- WLI HEX FILE Loading
Please Start Loading!!
```

5. Click the 'Send file' under File Menu.
6. Go to the file folder and select the "WLIROM.HEX" file and click the [Ok] button. Example of the file name convention"
   a. iDCS 500R2: 8WLIROM.HEX
   b. iDCS 100R2: MWLIROM.HEX
   c. OS 7200: 4WLIROM.HEX
7. The screen will show the file updating status.
   a. During this process, all APs are turned off.

Samsung WIP-5000M

OfficeServ
ITP-5012L

EARPIECE   LCD PANEL

HEADSET JACK

VOLUME

ICON

B
1
2   3

1. Phonebook

SAMSUNG

MENU
VOICE MAIL / STATION MSG
TALK
TRANSFER

MENU
MUTE
POWER / END
PHONE BOOK / CALL LOG
VOLUME / RING SETTING
CONFERENCE
HOLD

MENU   C/MUTE

TRSF   HOLD   CONF

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
*//📳	0 _	# 🔒

VIBRATION MODE

KEYPAD LOCK

MICROPHONE

ON/OFF	Press and Hold	📞	**Mute On/Off**	Press	C/MUTE
Make a Call	Press digits then	📞	**User Option**	Press	MENU
Hang Up	Press	📞	**Vibration Mode On/Off**	Press and Hold	*//📳
Answer a Call	Press	📞	**Keypad Lock On**	Press and Hold	# 🔒
Hold	Press HOLD to put your current call on hold		**Keypad Lock Off**	Enter Pre-Set Password (1, 2,3,4)	
Take Off Hold	Press HOLD		**Received Call Waiting Camp On**	Press HOLD and then	📞
Voice Mail	Press ✉				

Q U I C K   R E F E R E N C E   G U I D E

SAMSUNG

WIP-5000M
User Guide

September 2005

TABLE OF CONTENTS

For product safety and correct operation, the following information must be given to the operator/user and shall be read before the installation and operation.

CONVENTIONS

WARNING: Provides information or instructions that the reader should follow in order to avoid personal injury or fatality.

CAUTION: Provides information or instructions that the reader should follow in order to avoid a service failure or damage to the system.

NOTE: Indicates additional information as a reference.

SYMBOLS

Indication of a general caution

Indication for prohibiting an action for a product

Indication for commanding a specifically required action

WARNING
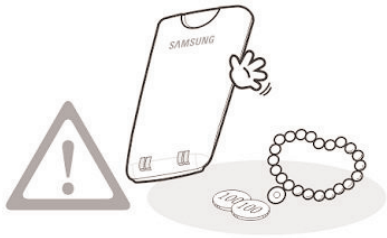
Do not connect conductive objects, such as neckless or coins, to the charging phones of the battery (metallic part).

The object may explode and cause fire due to overheating.

Use only the charger provided with the WIP-5000M phone.

Using other chargers can result in overheating or explosion and may cause malfunction.
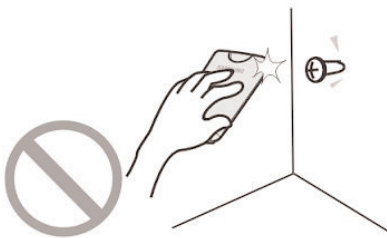
The battery shall be used only for the WIP-5000M phone.

Using the battery for other purposes may cause malfunction, fire, or electric shock.

Do not put instruments that contain water such as vases, cups, cosmetics, and medicines, or small metals near the phone.

Moisture in the phone can cause a fire and electric shocks.

Do not place the phone in a dusty area or in fluctuating temperature environments.

It may cause a fire or electric shocks.

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

It may cause a fire or electric shocks.

Do not use inflammable solvent or material near the phone. Do not store them near the phone.

It may cause a fire or electric shocks.

If the phone makes(horrible) noise, bad smell, or smoke, immediately call the Service Center.

It may cause a fire or electric shocks.

CAUTION

Before execute the [MENU]▶[6. System] ▶[3. Unregistration], double check whether this function should be executed since all phone information registered to the system will be deleted.

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

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

Do not install the phone on an unstable place or near the direct rays of sunlight.

It may cause severe damage to the parts of the phone, and your phone may not work properly.

Do not separate, repair nor remodel the phone arbitrarily.

If a repair is needed, please contact where the phone was purchased or call the Service Center.

PREPARATION

ABOUT THIS GUIDE

This user guide provides instructions for the use of Samsung's WIP-5000M mobile phone. Please take the time to study this guide to become familiar with the operation of your WIP-5000M and the benefits this new phone can provide. Keep this guide handy. You may need to look up instructions for infrequently used features.

OVERVIEW OF WIP-5000M

The WIP-5000M(Wireless IP-Phone Mobile type) is the wireless mobile phone that allows a voice communication through IEEE 802.11b wireless LAN.

WIP-5000M supports voice communication using IEEE802.11b WLAN. Based on IEEE802.11b standard, VoIP voice signals received are compressed to a voice CODEC and transferred as data packets.

PHONE LAYOUT

The following figure shows the main elements of your phone.
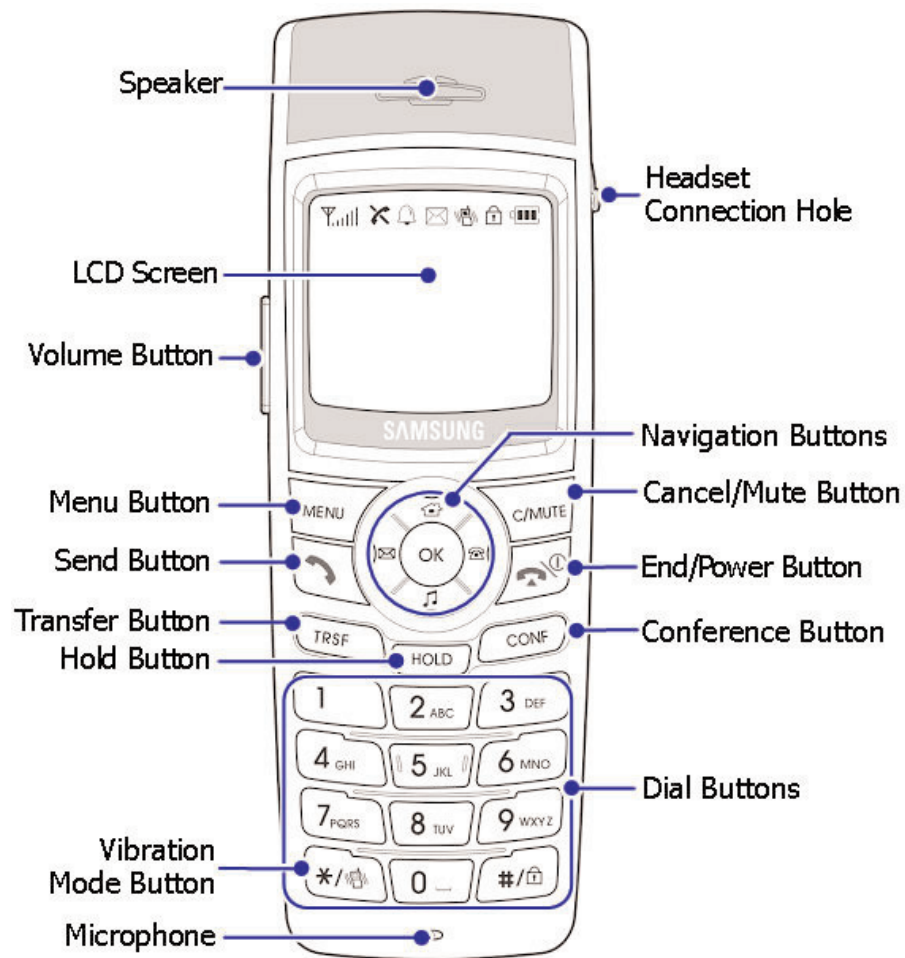
BUTTON DESCRIPTION

Button	Description
↘	Used when calling or receiving an outside trunk call/when transferring a call
Volume	Used when controlling the volume of voice or key tone
MENU	Used when entering the menu mode
⌂	Used when moving the menu bar upward
♫	Used when moving the menu bar downward
☎	Used when moving the menu bar to the right direction/Directory/Call on Hold
✉	Used when moving the menu bar to the left direction/Message/Conference call
OK	Used when selecting or saving the selected item for function settings
C/MUTE	Used when erasing letters or moving to an upper menu
TRSF	Used when connecting to another phone number while a phone call is in progress
HOLD	Used when holing a call
CONF	Used when making a conference
✳ / 📳	Used when applying the vibration mode
0 ~ 9	Used when dialing or entering characters
# / 🔒	Used when applying the automatic key lock
↘①	Used when turning the power on/off, when returning to the initial screen or when terminating the call

ICON (Display) DESCRIPTION

Button Names	Features
▽ₐₗₗₗ	This indicates the signal intensity. ▽ₐₗ : weak signal ▽ₐₗₗₗ : strong signal
✕	This turns on when the service is not available.
✆	Blinks when trying to make a call and turns on when a call is connected.
🔔	The status that indicates an alarm is set.
✉	When a message is received.
📳	Vibration function or vibration function is enabled.
🔒	Indicates that the automatic key lock is enabled.
🔋	Indicates the battery charging level. 🔋 : fully charged 🔋 : sufficient 🔋 : insufficient 🔋 : needs to be charged immediately

UNPACKING

After purchasing the WIP-5000M phone, you have to check that the following items have been packed in the box.

WIP-5000M

Battery
(1 standard type)
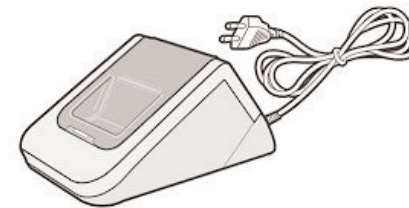
Charger

User Guide

Option

Hand holder　　Earphone　　Leather case for phone
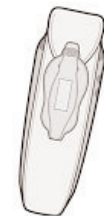
INSTALLING THE BATTERY

1. Insert the projecting part at the bottom of battery into the recess compartment area of the back of the WIP-5000M phone.
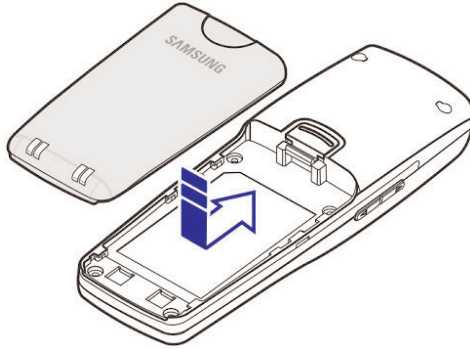
2. Press it in the direction of the arrow until it clicks into place.
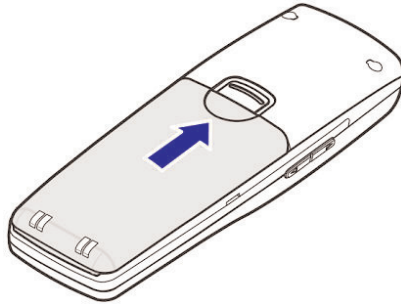
REMOVING THE BATTERY

In order to take out the battery from the WIP-5000M phone, slide the battery cover in the direction of the arrow while simultaneously pressing the separator button.
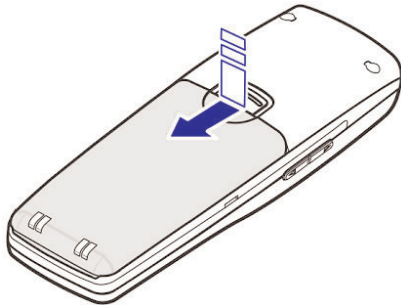
CHARGING THE BATTERY

After checking each component of the phone, charge the battery as shown in the figure below.

Charging the Battery
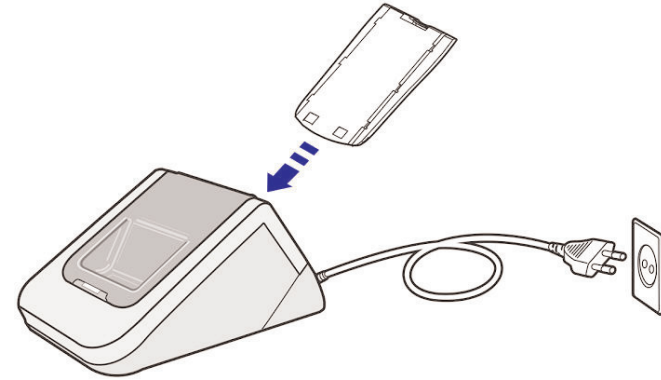
Charging the Battery with Phone

CHECKING THE BATTERY STATUS

The battery status can be checked by looking at the battery status icons given below that appear on the LCD panel of the phone.

Full Battery — Partially Consumed — Low Battery — Empty Battery

NOTE
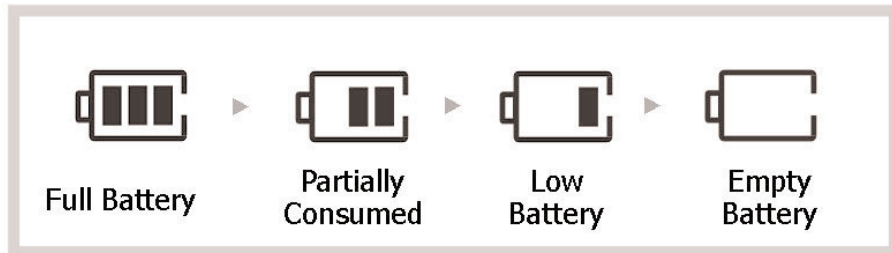
When using the phone for the first time after purchase, fully charge the battery before use since the battery may be discharged.

Low Battery Indication

When the battery energy is completely discharged, the phone makes a warning sound and the battery icon starts to blink. It is recommended to change to a new battery or charge the battery immediately. If the phone is still used after the warning sound and blinking, the battery will be completely discharged and the power will automatically go off.

TO TURN THE POWER ON

Press the [button icon] button for more than 2 seconds.
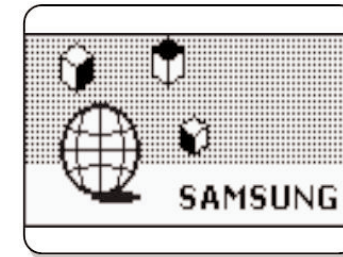
- After purchasing the WIP-5000M phone and first turning the power on, the 'UNREGISTERED' message will show up on the top of the initial screen. In this case, you should register the phone using **[MENU] → 6. System → 1. Registration.** For detailed procedures, refer to the descriptions on the 'System' submenu of the 'Application Menus' in this User Guide.

- If registration fails, the system displays a 'Unregistered' or 'Register Fail' message on screen. In such cases, follow the troubleshooting procedure described in 'Phone registration failure' of 'Annex', and if the problem is still not solved, contact the system administrator, reseller, or the service center.

- For the initial screen, one display can be selected from 3 displays shown as follows.

TO TURN THE POWER OFF

Press the ⬉ button for more than 2 seconds.

And then the phone automatically turns off.
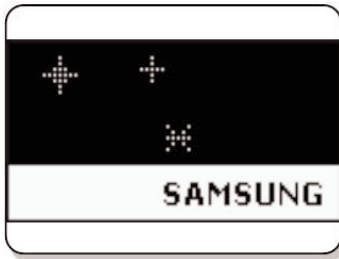
MAKING A CALL

There are several ways to make a call for the convenience of you. However, only the basic function will be introduced in this guide.

Using the Dial Keypad

1. Press the phone number.

   • Press only the extension number for internal calls.(e.g., 3345) Press **[9]** first, then the phone number for external calls.(e.g., 9023459568).

• Press the **[C/MUTE]** button for a short time to modify an incorrectly entered number, one by one. Press the **[C/MUTE]** button for a long time to completely delete all the incorrectly entered numbers at once.
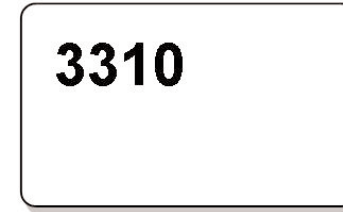
2. Press the ⬉ button.

   • Press the ⬉ button to hang up the phone.

Using the Call Log

You can view not only the latest calls or received phone numbers but also absent subscriber messages. This is achieved by simply selecting the desired phone number for information or to make a call.

1. Press the ⬉ button.

2. Using the ⬋ ⬊ buttons to view the call history.

(⬅ : Latest received number, ➡ : Latest called number)

3. Select the phone number and press the ⬉ button.

The maximum of up to 64 phone numbers can be saved in the list. If they are all filled up, the oldest phone number will be erased when a new phone number is saved.

ANSWERING A CALL

Press any button except [Volume] button, or ![phone icon] button to start a conversation while the phone is ringing.

VOLUME ADJUSTMENT

You can adjust the bell volume, key button volume, and voice volume from the other party.

Bell Volume Adjustment

You can adjust the bell volume while the phone is ringing by pressing the **[MENU]** button.

Refer to 'Volume' section in 'Application Menus' of this guide for how to adjust the bell volume.
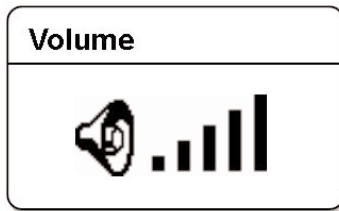
Key Button Volume Adjustment

You can adjust the volume with key button while on the phone. Select the one of 5 volume levels you want by pressing the **[Volume]** button in the initial screen.
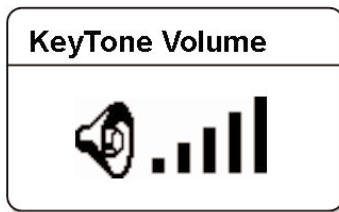
> **NOTE**
> If a key is pressed during a call, the key tone will not be played unless when using an earphone.

Voice Volume Adjustment

While having a conversation on the phone, you can adjust the voice volume from the other party.

Select the one of 5 volume levels you want by pressing the **[Volume]** button while having a conversation.
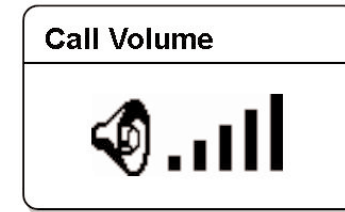
SETTING THE VIBRATION MODE

For not interrupting other people in public places or during a meeting, you can set the phone to vibration instead of ringing.

To Set Up the Vibration Mode

Press the ✱ / ![vibration icon] button for more than 2 seconds on the initial screen. Then the vibration mode icon ![vibration icon] will be displayed on the top of phone screen and the phone will vibrate instead of ringing if there is an incoming call.

To Disable the Vibration Mode

Press the ✱ / ![vibration icon] button for more than 2 seconds on the initial screen. Then the vibration mode icon ![vibration icon] disappears and the vibration mode will be disabled.

SETTING THE AUTOMATIC KEY LOCK

In order to protect your privacy, this function prevents others from viewing your information. When the automatic key lock is set, no keys of the phone will work, and functions other than answering a call cannot be used until you enter the password.

To Set Up the Automatic Key Lock

Press the **#** / 🔒 button for more than 2 seconds on the initial screen. Then, the screen will display the automatic key lock icon 🔒 .

To Disable the Automatic Key Lock

At the automatic key lock status, press the **#** / 🔒 button for a long time and then the password input window will appear. Once the password is entered, the phone returns to the initial screen and the automatic key lock function is disabled.

ENTERING CHARACTERS

This section describes how to enter uppercase/lowercase English characters and special characters.

Buttons Used for Entering Characters

The buttons used for entering the characters are as follows.

- **[MENU]** button: Screen for entering [ENG(uppercase)] appears first and a menu bar prompting you to select [eng(lowercase)/Sym(Special character)] on the lower part of the screen.

```
Name

🏠          [ _ _ ]
🏢          [ _ _ ]
ENG   eng   Sym
```
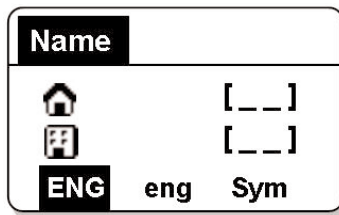
- ⏦⏦ **button**: Enter the desired characters from [ENG/eng/Sym].

How to Enter Uppercase and Lowercase in English

Pressing the **[MENU]** button allows you to enter English Uppercase letters automatically and to select one type from the [KOR/eng/Sym] located on the lower part of the screen using the ⏦⏦ buttons.

Then, the screen will provide an input field for the character type you selected and the other two character types will appear on the menu bar. For example, if [eng] is selected, [KOR/ENG/Sym] will appear on the menu bar.

Press the ⏦⏦⏦⏦ buttons to move the cursor. Modify the desired characters using the [C/MUTE] buttons and place the cursor on the appropriate location to insert the characters. If a character to be entered is the same as the last entered character, press the ⏦⏦⏦⏦ buttons to move the cursor right one space.

DIAL BUTTON	COUNT			
	1	2	3	4
0	'space'			
1	.			
2	A	B	C	
3	D	E	F	
4	G	H	I	
5	J	K	L	
6	M	N	O	
7	P	Q	R	S
8	T	U	V	
9	W	X	Y	Z
*	*	/		
#	#	@		

- To enter characters, press the button where a desired character is displayed repetitively to display the next character.(e.g., If the number **[5]** button is pressed, the character 'J' is entered. If the **[5]** button is pressed once more, the 'K' is entered.)

> **NOTE**
> In order to enter **✳** or **#**, press and hold the [**✳**] button or the **[#]** button.

How to Enter Special Characters

Press the **[MENU]** button and select [Sym] from the menu bar on the lower part of the screen. Then the special characters are displayed in the same order.

Select desired special characters using the ⬦ ⬦ buttons and press the [OK] button to enter the character on the screen.

+ - / * = . , ! ? _ : ; [ ] ( ) " & @ ~ ` ^ % # $ < > | ' { }

How to Enter Numbers

Press the dial button for more than 2 seconds so that numbers are entered irrespective of which character has been selected from out of the English Uppercase/English Lowercase/Special Characters has been entered.

Call Back

If an internal call cannot be connected, you can reserve the call.

1. If the other party does not answer your call or if he or she is in 'Busy' or in 'Do Not Disturb' status, press **[MENU]** button.

2. Press the ⬦ ⬦ button and move to **[1: Call Back]**.

> **Soft Keys**
>
> **1**: Call Back
> 2: Message
> 3: Camp On

3. Press the **[OK]** button.

•   Your phone will ring when the other party either finishes the call or clears the DND function. Once you pick up your phone, the phone of the other party starts to ring.

Message

If an internal call cannot be connected, you can leave a message (phone number).

1. If you made a call but the call is not connected, press **[MENU]** button.

2. Press the ⬦ ⬦ button and move to **[2: Message]**.

> **Soft Keys**
>
> 1: Call Back
> **2**: Message
> 3: Camp On

3. Press the **[OK]** button.

•   The ✉ icon appears on the other party's phone. The other party can check the message(phone number) by pressing **[MENU]** → **[3]** → **[1]**.

Camp On

If an internal call cannot be connected, you can make the other party's phone to play an urgent sound and wait for the other party to answer your call.

The urgent sound cannot be heard while the other party is busy. The bell starts to ring when the other party hangs up the call.

1. If you made a call but the call is not connected, press **[MENU]** button.

2. Press the ⬦ ⬦ button and move to **[3: Camp On]**.

```
Soft Keys

1: Call Back
2: Message
3: Camp On
```

3. Press the **[OK]** button.

Voice Mail

If the ✉ icon shows up in the handset display, there is either a voice mail message or a station message for the station. To check and access the messages:

1. Press the ✉ button.

2. Press **[1]** to access the station messages.

3. Press **[2]** to connect to the Voice Mail System.

Call Transfer

This is used to transfer a call to a designated phone number during a phone conversation.

1. Press the **[Transfer]** button during a phone conversation.

2. Enter the phone number to be transfer, and then press the ☎ button.

📝 NOTE

While in transfer status, press the **[Transfer]** button again to reconnect to the original caller.

22

Holding a Call

This is used to hold a call for a while during a phone conversation.

1. Press the **[Hold]** button during a phone conversation.

2. Press the **[Hold]** button again to resume your conversation.

Mute on a Call

This is used to block your voice from your phone during a call. But you can still hear the other party.

1. Press the **[C/MUTE]** button during a phone conversation.

2. Press the **[C/MUTE]** button again to resume your voice.

Call Park

While on an outside call conversation, you can park this call and let others pickup the call.

Automatic Park with Paging Function

1. Press the **[MENU]** button during an outside phone conversation.

2. Press the **[1]** button and enter the page zone.

3. Press the ☎ button after paging to park call.

Manual Park Orbits

1. Press the **[TRSF]** button, feature code, and orbit number, while on an outside conversation.

Pick Up a Parked Call

1. Press the feature code (e.g. 10), ☎ button and the extension number.

Pick Up a Held Call

1. Press the feature code (e.g. 12), ☎ button and the extension number.

Auto Answer

1. Turn Auto Answer On or Off by pressing **[MENU], [HOLD], [✱], [#], [8]**.

Missed Calls
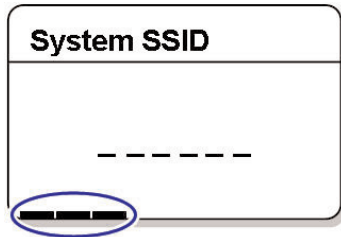
1. Press **[OK]** to display missed call information.

23

APPLICATION MENUS

MENU STRUCTURE

Press the **[MENU]** button in idle mode, then the main application menu will appear on the screen.

> **NOTE**
>
> The **[_ _ _]** sign appears at the bottom of the LCD screen if a sub-menu is found. You can select a sub-menu by using the **[MENU]** button. E.g.:
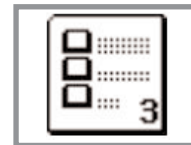
```
System SSID


    _ _ _ _ _

```

Phone Book

— **1** Outgoing Calls

— **2** Incoming Calls

— **3** Search

> 1. Samsung Logo
> 2. Display Name
> 3. Display Time

— **4** New Entry

Utilities

— **1** Alarm

> 1. Set Alarm
>   Ring One Time
>   Ring Always
> 2. Reset Alarm
> 3. Alarm Melody

— **2** Schedule

— **3** Calculator

— **4** World Clock

Soft Keys

— **1** Station MSG

— **2** Do Not Disturb

— **3** Page

— **4** Conference

> 1. Group Conf
> 2. Conference

Volume / Ring

1 **Ring Type**
1. Ring
2. Vibrate
3. Vibrate and Ring

2 **Ring Tone**

3 **Ring Volume**

4 **Warning**

Phone Settings

1 **Edit Name**

2 **Display**
1. Samsung Logo
2. Display Name
3. Display Time

3 **Change PIN**

4 **Language**
1. Korean
2. English
3. Italian

5 **Delete Lists**
1. Del Phone Book
2. Del Outgoing
3. Del Incoming

Phone Settings (Continuation)

6 **Back Light**
1. Light Time
   8 Seconds
   20 Seconds
   Always Off
2. Power Save
   On
   Off

7 **Forward Type**
1. Off
2. All Calls
3. Busy Calls
4. No Answer
5. Busy/No Answer
6. Do Not Disturb

8 **Program Msg**
1. On
2. Off

9 **Station Lock**
1. Unlocked
2. Locked Outgoing
3. Locked All Calls

0 **Station Number**

* **Reset**
1. Reset All
2. Reset Func.

**LCD Contrast**

System

1 **Registration**

2 **System Setting**

   1. System 1
   2. System 2
   3. Encryption Key

3 **Unregistration**

PHONE BOOK

Press the **[MENU]** button in idle mode, and then select the [1. Phone book] icon to find out various methods to make a call.

Outgoing Calls

After view only the latest dialed phone number, select the desired phone number and make a call.

Outgoing Calls

1: 06-6702-5322
2: #4321
3: #9876

(Latest dialed number, : Failed call)

•   The maximum of up to 32 phone numbers can be saved in the list. If they are all filled up, the oldest phone number is erased when a new dialed phone number is saved.

[MENU] → 1. Phone Book → [OK] → 1. Outgoing Calls → (Select the phone number) → [OK] or

Press the button to turn off the power. If you remove the battery from the phone, all the recently dialed numbers will be deleted.

NOTE

Incoming Calls

After view only the latest dialed phone number, select the desired phone number and make a call.

Incoming Calls

1: 06-6702-5322
2: 411-1204-5688
3: #9876

(: Latest dialed number, : Failed call)

> **[MENU]** → **1. Phone Book** → **[OK]** → **2. Incoming Calls** →
> ⬡⬡ **(Select the phone number)** → **[OK] or** 📞

• The maximum of up to 32 phone numbers can be saved in the list. If they are all filled up, the oldest phone number is erased when a new dialed phone number is saved.

📝 **NOTE** Press the 📞 button to turn off the power. If you remove the battery from the phone, all the recently dialed numbers will be deleted.

Search Phone Number

You can search the phone number from the saved phone number list.

Search Name

You can search and make a call the desired phone number using a name.

```
┌─────────────────────┐
│ 06-6702-5322        │
├─────────────────────┤
│ Jack            ▤   │
│ James       🏠🗂   │
│ Jane            ▤   │
└─────────────────────┘
```

> **[MENU]** → **1. Phone Book** → **[OK]** → **3. Search** → **1. Search Name**
> → **Enter a Name** → **[OK]** → ⬡⬡ → 📞

If you press the **[OK]** button without entering a name, all the numbers in the list saved will be displayed.

• When entering a name, press the first letter of that name and hit the **[OK]** button. Then, the numbers of all the phone numbers starting with that letter will be displayed and the related phone number list will show up automatically.(e.g., Enter the name 'J' in the input field and press the **[OK]** button. All the names starting with 'J' will be listed.)

• Refer to 'Entering Characters' section in 'Basic Features' of this guide for entering characters.

• Use the ⬡⬡ buttons to move between phone number, and press 📞 to make the call.

Search Number

You can search and make a call the desired phone number using a phone number.

```
┌─────────────────────┐
│ 06-6702-5322        │
├─────────────────────┤
│ Jack            ▤   │
│ James       🏠🗂   │
│ Jane            ▤   │
└─────────────────────┘
```

> **[MENU]** → **1. Phone Book** → **[OK]** → **3. Search** → **2. Search**
> **Number** → **Enter a Phone Number** → **[OK]** → ⬡⬡
> → 📞

If you press the **[OK]** button without entering a number, all the numbers in the list saved will be displayed.

• The phone number list including the related phone number will be displayed in the order of addresses. (e.g., When '2' is entered, the following phone lists which include '2' and corresponding phone number will be displayed.)

• Use the ⬡⬡ buttons to move between phone number, and press 📞 to make the call.

Search Speed Dial Number

You can search and make a call the desired phone number using a phone number.

```
411-1204-568

Jack          ⌂ 🗄 🗃
```

> **[MENU] → 1. Phone Book → [OK] → 3. Search → 3. Search Sp. Dial → Enter a Speed Dial Number Name → [OK] → 📞**

> If you press the **[OK]** button without entering a speed dial number, all the numbers in the list saved will be displayed.

- This function allows you to make a call to the desired party by simply pressing a speed dial number for longer than 2 seconds. For example, if the number '123456' is saved to the [1] button, you can simply press the [1] button until a call is connected to '123456'. This function works only on the initial screen.

- If the speed dial number is more than two digits, press the last number of the two digits for a long time.

Modifying/Deleting Phone Number

This is the method to modify or delete the saved phone number.

```
Menu

1: Edit
2: Delete
```
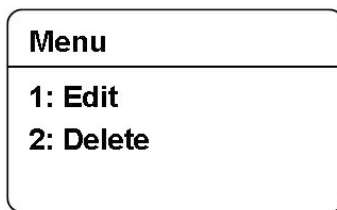
> **[MENU] → 1. Phone Book → [OK] → 3. Search → 1/2/3 →**
> **Enter Name/Phone Number/Speed Dial Number → [OK] →**
> **⌂   ♫   →   [MENU]→   1:Edit →   Modify Phone Number**
> **→ [OK]**

> To delete the phone number, select '2: Delete'.

- Using the **[C/MUTE]** button and dial buttons, modify the phone number and press the **[OK]** button to save it.

New Entry

This function allows you to save the new phone number by using the menu function.

```
Jack

⌂              [ _ _ ]
🗄              [ _ _ ]
🗃              [ _ _ ]
```
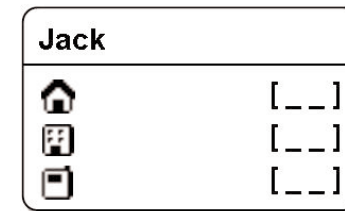
> **[MENU] → 1. Phone Book → [OK] → 4. New Entry → Enter Name, Phone Number (Home, Office, Mobile), Speed Dial Number → [OK]**

- You can directly enter the phone number on the idle mode, and save that number using the 📞 button.

- Enter the name that you want to save by using the dial buttons(up to 10 characters). Refer to 'Entering Characters' section in 'Basic Features' of this guide for entering characters.

UTILITIES

Press the **[MENU]** button in idle mode, and then select the **[2. Utilities]** icon.

Alarm

You can set or disable the alarm.

```
┌─────────────────────────────┐
│  Set Alarm Time             │
│                             │
│   12/05/2004   15:40        │
│                             │
│       [ _ _ : _ _ ]         │
└─────────────────────────────┘
```
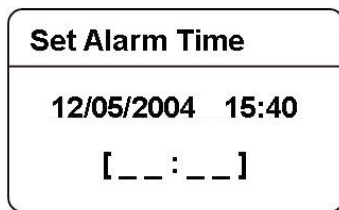
[MENU] → **2. Utilities** → **[OK]** → **1. Alarm** → **[OK]** → **1.Set Alarm** → **[OK]** → ⬡ ⬡ **(Select Alarm Interval)** → **[OK]** → **Enter Alarm Time** → **[OK]**

> To disable the alarm, select '2. Reset Alarm'.
> To change the alarm melody, select '3. Alarm Melody'. You can choose one among 10 melodies.

- When the alarm is set, the alarm icon 🔔 will appear on the screen.

Schedule

This function allows you to enter important tasks or appointments and then set the phone alarms on those dates. So, you can easily use this function to manage a personal schedule. If the alarm is set up as mute, you can directly check what the schedule is on the screen.

```
┌─────────────────────────────┐
│  12/05/2004   15:40         │
│  Contents                   │
│                             │
│        Melody 1             │
└─────────────────────────────┘
```
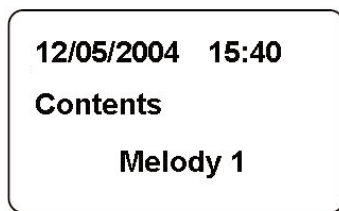
[MENU] → **2. Utilities** → **[OK]** → **2. Schedule** → **[OK]** → **Select Dates** → **[OK]** → **Enter Time, Contents** → **Select Melody/No Melody** → **[OK]**

> Select melody or No melody using ⬡ ⬡ button.
> Select melody type using ◇◇ button.

Modifying/Deleting Schedule

This function allows you to modify or delete the registered schedule.

[MENU] → **2. Utilities** → **[OK]** → **2. Schedule** → **[OK]** → **Select Dates** → **[OK]** → **[MENU]** → **1: Modify** → **Modify Time/ Contents/ Melody** → **[OK]**

> To delete a schedule, select '2: Delete'.

Calculator

This function allows you to do four basic operationa (addition, subtraction, multiplication and division).

```
┌─────────────────────────────┐
│  Calculator                 │
│─────────────────────────────│
│                   1204.      │
│  [+]                30       │
│   =               1234       │
└─────────────────────────────┘
```
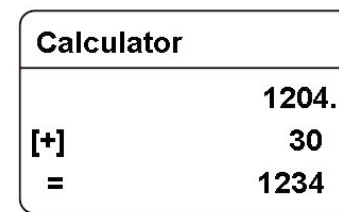
[MENU] → 2. Utilities → [OK] → 3. Calculator → [OK] → Enter Numbers → **→ (Select Arithmetical Operation Symbol) → Enter Numbers → [OK] → The result is displayed.**

When entering negative numbers, press **# /** 🔒 button.
When incorrect numbers are entered, press the **[C/MUTE]** button.

- Press the button to reuse the result.
- Press the **[C/MUTE]** button to reset or the button to terminate.

World Clock

This function allows you to check current date and time in each region of the world.

Seoul, Tokyo
05/12/2004   15:30

[MENU] → 2. Utilities → [OK] → 4. World Clock → [OK] → **(Move the Meridian Line) → The Corresponding Time of Each Capital Name will be shown.**

NOTE Move the meridian line to the city where you are located and press the **[OK]** button. Time and date of other cities will be displayed based on your location.

SOFT KEYS

Press the **[MENU]** button in idle mode, and then select the **[3. Soft Keys]** icon.

NOTE The sub menus of [Soft Keys] are decided by system.

Station Message

You can send a reply by checking messages received from an extension on the busy state.

Message ▲▼
  1: 1204
  2: 9876
  3: 5678
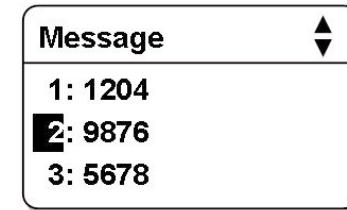
[MENU] → 3. Soft Keys → [OK] → 1. Station MSG → [OK] → **(Select a Station Number) → [OK] 1: Reply → Call is Connected.**

To delete the message, select '2: Delete'.

Do Not Disturb

You can deny all of call requests anytime you want to.

```
Y.ill  X              (IIII)
DND                   1234
          SAMSUNG
Wed12 May    03:12p
```
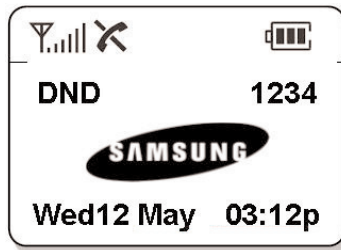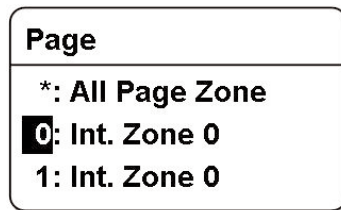
> [MENU] → 3. Soft Keys → [OK] → 2. Do Not Disturb → [OK]
> 1:On → DND Mode is Set Up

To disable DND mode, select 2: Off'.

- When DND (Do Not Disturb) mode is set up, the 'DND' message and the ✗ icon will appear on the initial screen.

Paging

This function allows you to page through your phone at the specific area in the system.

```
Page
  *: All Page Zone
  0: Int. Zone 0
  1: Int. Zone 0
```

> [MENU] → 3. Soft Keys → [OK] → 3. Page → [OK] → ⟨☎⟩ ⟨♫⟩
> (Select Page Zone) → [OK] → My voice is announced through
> the phone.

Conference

You can call multiple parties to have a conversation in one channel. Up to five persons, including the person holding the conference, can participate in a conference call.

Loading Conference Group

You can load a conference group from the system and have a conference with the group.

```
Group Conf
  1: Drivers
  2: Applications
  3: Test
```
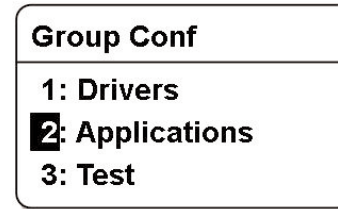
> [MENU] → 3. Soft Keys → [OK] → 4. Conference → [OK] →
> 1. Group Conf. → [OK] → 1:Load → [OK] → Group list is
> displayed → ⟨☎⟩ ⟨♫⟩ (Select a Group) → [OK] →
> Group members are connected. → ↘

To modify or delete the group, press the [MENU] button and then select '1: Edit', or '2: Delete'.

Saving Conference Group

Members that are frequently called upon for a meeting can be saved to the system as a group. A group saved to the system can be conveniently used later by selecting 'Group Conference'.

```
  ✎  3405
  ✎  5688
  ✎  5474
  ✎  2_
```
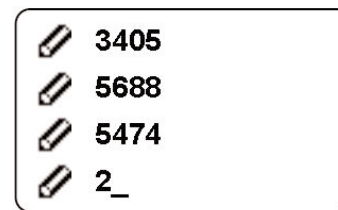
[MENU] → 3. Soft Keys → [OK] → 4. Conference → [OK] →
1. Group Conf → [OK] → 2: Save → [OK] → Entering Group
Name → [OK] → Enter Phone Number of Member →
Enter Phone Number of Next Member → [OK]

Entering Each Member

You can have a conference by entering directly phone number of each member.
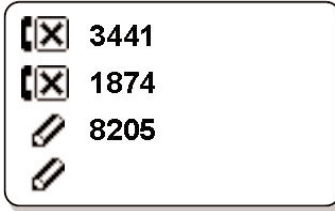
[MENU] → 3. Soft Keys → [OK] → 4. Conference → [OK] →
2. Conference → [OK] → Enter Phone Number of Member →
[OK] → → Enter Phone Number of Next Member → [OK]
→

- The mark means that you have completed entering the phone number.
- The mark means that you have failed the call connection.
- The mark means that you have connected with the member.

> **NOTE**
> You can retrieve a conference group or a phone number saved in the phone by pressing **[MENU]** button at the phone number entry screen.

VOLUME/RING

Press the **[MENU]** button in idle mode, and then select the **[4. Volume/Ring]** icon.

> **NOTE**
> You can press the in idle mode to perform the same function.

Ring Type

You can select the modes of call sound such as the ring, vibration, ring after vibration.

Ring Type
1: Ring
2: Vibrate
3: Vibrate & Ring

[MENU] → 4. Volume/Ring → [OK] → 1. Ring Type → [OK] →
  → (Ring/Vibrate/Vibrate & Ring) → [OK]

> **NOTE**
> For information about how to set the vibration mode, refer to the description of 'Setting the Vibration Mode' section in 'Basic Features' of this guide.
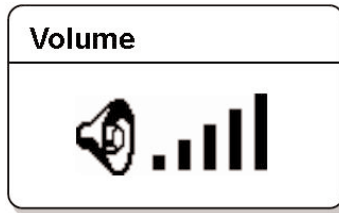
Ring Tone

This function enables you to select one bell melody out of a selection of 10 melodies.

Ring Tone
01: Melody 1
02: Melody 2
03: Melody 3

[MENU] → 4. Volume/Ring → [OK] → 2. Ring Tone → [OK] →
  → (Select Melody) → [OK]

Ring Volume
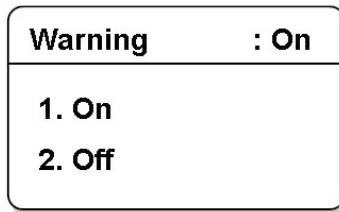
This function enables you to adjust the bell volume.

```
Volume

 🔊 .ıll
```

[MENU] → 4. Volume/Ring → [OK] → 3. Ring Volume → [OK] →
⟨🏠⟩ ⟨♫⟩ → (Select Bell Volume) → [OK]

NOTE You can adjust the volume of the bell by using the **[Volume]** button.

Warning

This function enables you to hear a warning tone when you move to a shadow zone during a call.

```
Warning        : On

  1. On

  2. Off
```

[MENU] → 4. Volume/Ring → [OK] → 4. Warning → [OK] →
⟨🏠⟩ ⟨♫⟩ → (Select On/Off) → [OK]

PHONE SETTINGS

Press the **[MENU]** button in idle mode, and then select the **[5. Phone Settings]** icon. The submenus are not displayed until a password is entered.

Editing Name

This function enables you to enter random characters on the screen displayed on the initial screen.

```
Edit Name

_
```
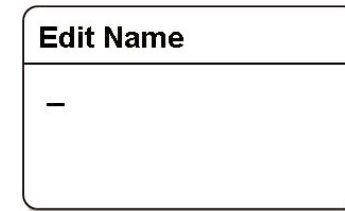
[MENU] → 5. Phone Settings → [OK] → Enter a Password →
1. Edit Name → [OK] →   Enter your Name → [OK]

- Refer to 'Entering Characters' section in 'Basic Features' of this guide for entering characters.

NOTE If you save your name in your phone, your name will be displayed on the other party's phone when you are connected to another party (intercom user). (This applies only when your phone number is not saved in the phone book of the intercom user.)

Display

This function enables you to select the background of the initial screen that appears when power on.

```
Display

  1: Samsung Logo
  2: Display Name
  3: Display Time
```
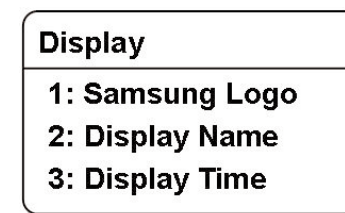
[MENU] → 5. Phone Settings → [OK] → Enter a Password →
2. Display → [OK] → ⟨🏠⟩ ⟨♫⟩ (Select a Screen) → [OK]

Password

This function enables you to prevent others from using your phone by changing the initial factory set password of the phone. The initial password is set to 1234.

```
New Password

_ _ _ _
```

[MENU] →5. Phone Settings → [OK] → Enter a Password →
3. Change PIN → [OK] → Enter New Password → [OK] →
Enter New Password Again → [OK]

Language

This feature enables you to set the language displayed on the screen of the phone.

```
Language

1: Korean
2: English
3: Italian
```

[MENU] →5. Phone Settings → [OK] → Enter a Password →
4. Language → [OK] → ⟨📷⟩ ⟨♫⟩ (Select Language) → [OK]

Delete Lists

This function enables you to delete phone numbers registered in the phone book or calling numbers and called numbers.

```
Confirm?

1: Yes
2: No
```

[MENU] → 5. Phone Settings → [OK] → Enter a Password →
5. Delete Lists → [OK] → 1. Del Phone Book → Enter a
Password → ⟨📷⟩ ⟨♫⟩ (Yes/No) → [OK]

To delete the list of calling numbers saved in the phone book, select '2. Del Outgoing'.
To delete the list of called numbers saved in the phone book, select '3. Del Incoming'.

Screen Back Light

This function enables you to delete phone numbers registered in the phone book or calling numbers and called numbers.

Lighting Time

This function enables you to set the time for background lighting, which lights automatically when the keys are pressed or a messages appears.

```
Light Time

1: 8 seconds
2: 20 seconds
3: Always Off
```

[MENU] → 5. Phone Settings → [OK] → Enter a Password →
6. Back Light → [OK] → 1. Light Time → [OK] → ⟨📷⟩ ⟨♫⟩
(Select Light Time) → [OK]

- The lighting of the LCD screen turns off automatically unless a button is pressed within 8 seconds. You can also set the lighting duration to 20 seconds or turn off the lighting.

- Select 'Always Off' to disable the light at all times.

Power Save

You can set the mode of the energy-saving to disable the backlight of LCD.
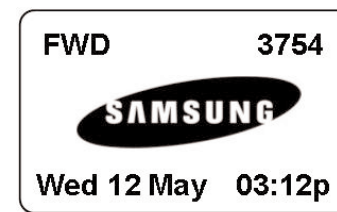
```
Power Save : Off

 1: On
 2: Off
```
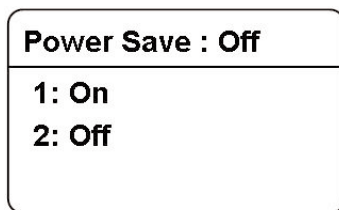
[MENU] → 5. Phone Settings → [OK] → Enter a Password → 6. Back Light → [OK] → 2. Power Save → [OK] → 1: On → [OK]

To disable the Power Save mode, select '2: Off'.

Forward Type

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

```
FWD              3754

     SAMSUNG

Wed 12 May   03:12p
```

[MENU] → 5. Phone Settings → [OK] → Enter a Password → 7. Forward Type → [OK] → ☎ ♫ (Select Forward Type) → [OK] → Enter a Forward Number → [OK]

To disable the forward mode, select '1: Off'.
To forward all incoming calls, select '2: All Calls'.
To forward incoming calls when you are using the phone, select '3: Busy Calls'.
To forward incoming calls when you cannot answer within the specified time, select '4: No Answer'.
To forward incoming calls when you are busy or cannot answer within the specified time, select '5: Busy/No Answer'.
To forward incoming calls when DND mode is set up, select '6: Do Not Disturb'.

- When the forward mode is set up, the 'FWD' message will appear on the initial screen.

NOTE

To use the '5: Busy/No Answer' function, the '3: Busy Calls' and '4: No Answer' functions must be set.

Programmed Message

When 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 phone screen when they call you.

```
Set Val. : 0
─────────────────
  1 :
      IN A MEETING
```
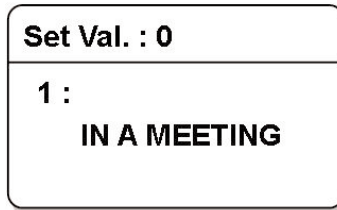
[MENU] → 5. Phone Settings → [OK] → Enter a Password → 8. Program Msg → [OK] → 1: On → 🖾 🎵 (Select a Message) → [OK]

To disable the programmed message, select '2: Off'.

The number of programmed messages is 20.

- If anyone tries to call you, caller will see the following display on the screen of caller's phone.

```
        📱 ▶ ▶ ▶ ▶

        IN A MEETING
```

Station Lock

When you will be away from your desk, you can lock any outgoing trunk calls or incoming/outgoing calls to prevent others from using your phone without permission.

```
        🔒 3541

        SAMSUNG

   Wed 12 May    04:05p
```

[MENU] → 5. Phone Settings → [OK] → Enter a Password → 9. Station Lock → [OK] → 🖾 🎵 (Select Lock Option) → [OK]

To disable the lock mode, select '1: Unlock'.
To lock any outgoing trunk calls, select '2: Lock Outgoing'. At this time, the outgoing station calls are not locked.
To lock any outgoing/incoming trunk, and station calls, select '3: Lock All Calls'.

- 'LCK' is displayed on screen if the 'Lock Outgoing' option is selected, and a shadowed 'LCK' is displayed if the 'Lock All Calls' option is selected.

Station Number

This feature enables you to view your extension phone number on the screen of the phone.

```
Station Number
─────────────────
   3541
```
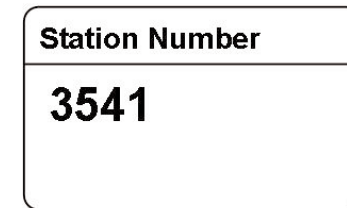
[MENU] → 5. Phone Settings → [OK] → Enter a Password → 0. Station Number → [OK] → My Phone Number is displayed on the screen.

Reset

This function enables you to initialize all the functions and status of a phone.

```
Reset All

1: Yes
2: No
```

[MENU] → 5. Phone Settings → [OK] → Enter a Password →

*. Reset → [OK] → 〈☎〉〈♫〉 **(Select Reset Option)**

→ [OK] → Enter a Password → 〈☎〉〈♫〉 **(Yes/No) → [OK]**

To reset the status of a phone, select '1: Reset All'. All the saved records as well as the phone options are deleted.
To reset the options for the phone functions, select '2: Reset Func.'.

LCD Contrast

This feature support to set the LCD contrast if you want to change it.

```
LCD Contrast

Bright        Dark
[▮▮▮▮▮        ]
```

[MENU] → 5. Phone Settings → [OK] → Enter a Password →

#. LCD Contrast → [OK] → 〈☎〉〈✉〉 **(Control 'Bright/Dark' density)**

SYSTEM

Press the **[MENU]** button in idle mode, and then select the **[6. System]** icon.

> **NOTE**
>
> The systems which support the WBS24 (Access Point), WIP-5000M are as follows:
> iDCS 100 Release 2 / OfficeServ
> iDCS 500 Release 2 / OfficeServ
> OfficeServ 7000 Series

Phone Registration

This function enables you to register a phone via the system.

Registering at the DHCP system

This function enables your phone to register at the system which supports the dynamic IP mode.

[MENU] → 6. System → [OK] → 1. Registration → [OK] →
〈☎〉〈♫〉 **(Select System to Register) → [OK] → 1: DHCP**
Mode → Enter SSID → [OK] → Enter User ID → [OK] →
Enter Password → [OK] → Enter Encryption Key → [OK]

- **SSID:** Enter the ESSID set on the WBS24, a Wireless LAN access device.

- **User ID:** Enter the ID of the phone user registered to the system.

- **Password**

- **Encryption Key:** This is an encryption key for security. Use the 128 bit WEP key. When the encryption key is set on the system, consult the system administrator and enter the value set on the system.

Registering at the Static IP System

This function enables your phone to register at the system which supports the static IP mode.

[MENU] → 6. System → [OK] → 1. Registration → [OK] →

⬡ ⬡ (Select System to Register) → [OK] →

2: Static IP Mode → [OK] → ⬡ ⬡ (Select AP Type) →

[OK] → Enter Phone IP Address → [OK] → Enter Second WBS IP

Address → [OK] → Enter System SSID → [OK] → Enter User ID

→ [OK] → Enter Password → [OK] → Enter Encryption Key

→ [OK]

⚠ CAUTION
When registering to a system set to Static IP mode, be careful not to enter an IP address already being used by another phone.

- If you enter nothing and press the [OK] button, the default IP address is entered.

- **SSID:** Enter the ESSID set on the WBS24, a Wireless LAN access device.

- **User ID:** Enter the ID of a user registered to the system.

- **Password**

- **Encryption Key:** This is an encryption key for security. Use the 128 bit WEP key. When the encryption key is set on the system, consult the system administrator and enter the value set on the system.

📝 NOTE
Access Point(AP) is a component of a Wireless LAN that connects Wire LAN with Wireless LAN APs are usually standalone devices that can be connected to an Ethernet hub or a server.
You can select either combo or basic as the type of an AP. Inquire your system administrator for information on the type of AP currently connected to the system.

System Setting

While using a phone registered to a system, you can transfer to another system for connection. To use this function, the phone should already be registered to the system. Refer to the **[1. Registration]** procedure of **[6. System]** for descriptions on how to register a phone.

System Setting

1: System1
2: System2
3: Encryption Key

[MENU] → 6. System → [OK] → 2. System Setting → [OK] →

⬡ ⬡ (Select System) → [OK] → Confirm the

Information of the System → [OK]

Select [1: System1] or [2: System2]

📝 NOTE
Inquire your system administrator for information on whether the system connected to the phone is Sytem1 or System2. To newly register a phone to System2, select System2 and register the phone according to the 'Phone Registration' procedure described earlier.

Encryption Key

You can set the encryption key(WEP key) in the system which should be entered when you register the phone. You can register the phone to the system only by additionally setting or clearing the encryption key without having to enter the system information again.

Encryption Mode

****

[MENU] → 6. System → [OK] → 2. System Setting → [OK] → 3. Encryption Key → [OK] → 1: Enable → [OK] → Enter Encryption Key → [OK]

To disable the encryption key, select '2: Disable'.

This is a 128 bit WEP key for security. Consult the system administrator and enter the value set on the system.

NOTE

WEP is a security protocol defined by the Wi-Fi standard to provide a wireless LAN security level similar to that of wired LAN. Wi-Fi devices basically support WEP, and additionally WPA and 802.11i. WIP-5000M currently supports Enhanced Security SSID and 128 bit WEP.

Unregistration

While using a phone registered to te system, the user of the phone can delete the phone information from the system. The user password must be entered before clearing a phone registration.

```
Unregistration

1: Yes
2: No
```

[MENU] → 6. System → [OK] → 3. Unregistration → [OK] → Enter Password → Select ⬢ ♪ (Yes/No) from [Unregistration] Menu → [OK] → Reboot after selecting [Unregistering], and the screen changes to [Unregistered] starting screen.

CAUTION

Double check whether this function should be executed since all phone information registered to the system will be deleted.

TROUBLESHOOTING

Possible problems and troubleshooting steps for your phone are described below. Check the troubleshooting steps before contacting your Authorized Samsung Reseller.

The LCD does not light up

- Battery is discharged. Recharge the battery and turn the phone on again.

The bell does not ring or the ring sound is too low

- Check if the phone is set to vibration mode.
- Adjust the volume at [MENU] → [4. Volume/Ring] → [3. Ring Volume].

The lamp on the charger flashes yellow

- Take the battery out from the charger and put the battery in again.
- If the yellow light continues to flash, clean the charging phones of the charger.
- If the yellow light continues to flash despite the above measures, contact the Samsung Electronics service center.

The battery is not empty but the phone does not turn on

- Take the battery out and put it in again, and turn the phone on.
- Take the battery out, clean the charging phones of the battery. Then put the battery back in, and turn the phone on.

Voices echo during a call

- Press the [Volume] button and adjust the volume or move to another area.

The ⚔ indicator appears on screen and calls cannot be made

- Your phone may not be registered on the system. Use the phone after registration.
- Move to an area where service can be provided.
- Check if the power of the system or AP is on.

- If the phone does not work despite the above measures, contact the Samsung Electronics service center.

Phone registration failure

- Check if the power of the system or AP is on and reregister the phone.
- Move to a serviceable area of the system or AP and reregister the phone.
- If the problem is not solved, contact the Samsung service center.

Calls are disconnected frequently

- Move to another area since the frequency is unstable.
- If calls are still disconnected frequently, contact the Samsung Electronics service center.

The phone operates abnormally or does not operate at all

- Take the battery out and insert it again, and turn the phone on again. If the problem continues, contact the Samsung Electronics service center.

PRODUCT SPECIFICATIONS

The specifications of the WIP-5000M are as follows.

Items	Specification
Model Name	WIP-5000M
Frequency	2400 ~ 2483.5 MHz
Size (mm)	43 (width) x 126 (length) x 19 (height)
Operating Temperature	0 ~ 45º C
Operating Humidity	0 ~ 90%
Weight	95 g
Battery Charge Time	2 Hours
Battery Duration	Call Duration: 2 Hours 30 Minutes Standby Duration: 25 Hours