

SX225
User Manual
(Version 1.0)



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1. General Information

1. 1 Introduction

Thank you for purchasing the SX225 GSM Mobile Phone. Please read all information carefully before getting started to install and use the Mobile. This would help you to make good use of this mobile and fully understand the functions of mobile and be easy to operate. SX225 GSM is aimed to design for GSM/GPRS network. SX225 GSM complies with GSM/GPRS Technique regulations and it is certified by internal and external authorities.

For your safety, read the guidelines carefully.
Breaking the rules may be dangerous or illegal.

1. 2 For your safety

Don't use a hand-held phone while driving.

Stop and park your vehicle safely before using your phone.

Switch off in aircraft

Wireless devices can cause interference in aircraft.

The use of mobile telephones in an aircraft is illegal. Please switch off your mobile before taking off the plane and please ensure the alarm clock should be closed when the mobile is turned off.

Switch off near blasting

To avoid interference in the process of blasting, don't use the phone where you may read the sign of "Blasting Spot" or "Turn off your wireless". Observe restrictions and follow any regulations or rules.

Switch off near dangerous stuff.

Don't use the phone at a refueling point. Don't use near fuels or chemicals.

Switch the phone off in hospitals.

Switch the phone off near medical equipment. There may be a hazard associated with the operation of phones close to inadequately protected personal medical devices such as hearing aids and pace makers. Don't put your phone on pacemakers which means not to put it in the pocket of clothes.

Use your phone promptly

The antenna is straight over your shoulder when you are talking to the phone. Don't touch the antenna if

not necessary.

Emergency calls

Ensure the phone is switched on and in service.

Enter the emergency number

Radio frequency (RF) exposure and SAR

The SAR limit recommended by the EU Council is 2.0W/kg^A

The highest SAR value for this model phone was 0.954 W/kg.

SAR tests are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands.

-
- A. The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR values may vary, depending on national reporting requirements and the network band.

1. 3 Battery Use

Use only approved batteries. Use of any unauthorized accessories could damage you and your phone and may be dangerous. If jewelry, keys, beaded chains, or other conductive materials touch exposed battery terminals, this could complete an electrical circuit (short circuit), become very hot, and could cause damage or injury. Never use a charger or battery that is damaged.

Use the battery only for its intended purpose.

- If you use the phone near the network's base station, it uses less power. Talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge, the type of battery, and the charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out.

When the operation time is noticeably shorter than normal, it is time to buy a new battery.

- If left unused, a fully charged battery will discharge itself over time.
- Use only approved batteries, and recharges your battery only approved chargers. Disconnect the charger from the power source when it is not in use. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places because the capacity and lifetime of the battery will be reduce. Try to keep the battery at room temperature. A phone with a hot or cold battery may not work temporarily, even when the battery is fully charged.
- Do not short-circuit the battery. Accidental short-

circuiting can occur when a metallic object like a coin, clip or pen causes a direct connection between the + and – terminals of the battery (metal strips on the battery). For example, do not carry a spare battery in a pocket or bag where the battery may contact metal objects. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.
- The phone could explode if the battery is replaced with an incorrect type.
- Dispose of used batteries according to the manufacturer's instructions.
- At very high volumes, prolonged listening to a headset can damage your hearing.
- To avoid risk of personal injury, do not dispose of your battery in a fire.
- Do not throw your battery or mobile device in the

trash.

1. 4 Charger Use

Please, read this manual before using the charger, for the correct operation of the appliance.

Important Safety Instructions

The charger should be used for Li-Ion accumulators charging only.

- Do not charge other types of accumulators with this charger.
- Do not expose the charger to moisture or rain.
- Do not disassemble the charger or the network adapter.
- Unplug the network adapter when not in use.
- Do not connect this charger with the appliances or peripheral devices, which are not indicated in this booklet.
- It is not recommended to discharge the Li-Ion accumulator before charging.

- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.
- Mobile phone shall only be connected to a USB interface that meets the requirements of a Limited Power Source according to EN 60950-1:2001

Specifications Of The Charger

The charger consists of:

- Main charger
- Adapter plates (the compatibility list is cited on the reverse side of the package)
- Network adapter 110-240V alternating/direct current
- Car electric cigar lighter adapter

Advices Concerning Usage

For 110-240V alternating current:

- Connect the charger with the network adapter
 - insert the adapter into the charger jack.
- Plug the network adapter to the wall outlet
 - For 12V car electric cigar lighter adapter (option):

- Connect the charger with the car electric cigar lighter adapter - insert the adapter into the charger jack, marked as "Input 12-18V DC".
- Plug the adapter into yours car electric cigar lighter (warning: this charger works under 12V connectors only: passenger cars).

Recycling of accumulators

Accumulators should be disposed in accordance with established rules.

It is forbidden to throw away accumulators along with domestic garbage. If possible, use specialized organizations services for accumulators recycling.

2. Getting Started

2.1 Unpack

Thank you for purchasing this product. Please check the product contents to see if you have all the available items as below. (*Images may vary from the actual product in your package.)



Handset



Battery



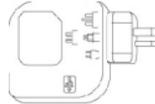
User Manual



Stereo Headset



**micro SD (T-Flash)
Card
(optional)**



Travel Charger



PC Sync Manager CD & USB Data Cable

2.2 Phone feature



KEY DEFINITION



Soft Keys

Perform functions identified by left/right display prompt.

Right button: Cancel numbers & letters when you make a call or input letter for phonebook, message or WAP.

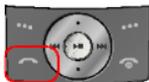


Navigation Keys

Scroll through the menu options.

Move the cursor up and down in the normal editing mode.

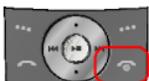
Move the cursor to left and right in all editing mode.



Send Key

Dial or answer a call.

Recall the last call numbers in the idle mode.



Power on/off Key & End Key

To end a call

Switch the phone on and off. (press this key and hold)

Cancel your input in the menu

facility and return to the idle mode.



Alphanumeric Keys

You may enter numbers, letters and special characters.

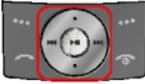
It changes camera settings in camera mode.



Special Function Keys

Enter Special Characters / Perform Various Functions

SHORTCUTS



Left: Access to "Messages"

Right: Access to "FM Radio"

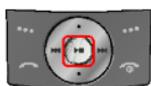
Up: Access to "Bluetooth"

Down: Access to "Music Player" from an idle mode

You may dedicate the left navigation key for favorite menu in 'Dedicated key' setting menu

(Menu > 10.Settings > 10.2.

Phone Setup > 10.2.5.Dedicated Key)



WAP Key

Access to WAP menu (press shortly), and launch WAP browser (press and hold).



To activate the “Keypad Lock”, press this key and hold.



To activate the “Light Only Mode” option, press this key and hold.

SIDE KEY

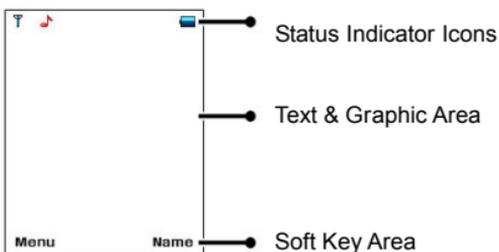


Volume Key (side)

Press up or down key to increase or decrease the volume.

DISPLAY LAYOUT

The idle screen display includes three areas.



ICONS

Icon	Description
	Signal Strength: Shows the strength of the receiving signal. Greater the number of bars, stronger the signal strength.
	GPRS: Shows the strength of the receiving GPRS signal. Greater the number of bars, stronger the signal strength.
	GPRS Connect: Appears when you connect to GPRS.



Roaming: Appears when the phone is roaming.



Missed Calls: Appears when there is missed call(s).



Indoors: Sets volume for indoors purpose



Outdoors: Sets volume for outdoors purpose



Meeting: Sets volume in light only mode



Normal: Set volume in normal mode



New Message: Appears when a new incoming text message is received and is unread.



MMS Unread: Appears when a new MMS message is arrived and



MMS Busy: Appears when MMS is busy, while receiving and sending a



Broadcast Message: Appears when Broadcast Message receive mode is active..



WAP Mail: Appears when WAP mail is received.



Call Barring On: Appears when the call barring mode is active.



Call Forward: Appears when the call forward mode is active.



Bluetooth: Appears when the Bluetooth Mode is on. It has to be on, if you want to use the Bluetooth function. When you finish using, turn off the Bluetooth Mode



Bluetooth Headset: Appears when the Bluetooth Stereo Headset/ Mono Headset/ Hands-free is connected.



Bluetooth File Transfer: Appears when the Bluetooth FTP and OPP (vCard) is connected.



Ring: Appears when the Ring mode is active.



Vibrate and Ring: Appears when the Vibrate and Ring mode is active.



Vibrate then Ring: Appears when the Vibrate then Ring mode is active.



Vibrator On: Appears when the Vibration mode is active.



Light Only Mode: Appears when the light only mode (manner mode) is active.



Alarm On: Appears when you set the alarm.



Stopwatch: Appears when you set the stopwatch.



Lock: Appears when you set the Keypad Lock.



Battery Strength: Shows the level of your battery. The more bars you see, the more power you have left.



Headset: appears when you set the Profiles as Headset.

PHONE FEATURES

H/W Features

Feature	Description
Dimension	102 x 50 x 13.7mm
Main LCD	2.2" QVGA
Camera	2MB CMOS
Flash Light	No
Speaker	Single Loud Speaker

Vibrator	Built-in Vibrator
Antenna	Internal
Phone Memory	10 MB
SIM	3V
IrDA	No
Bluetooth v1.2	A2DP (Stereo music), HFP (Hands-free), HSP (Headset), DUN (Dial-up Network), FTP, OPP (vCard), HID (Human Interfact Device), GAVDP, SPP
Data Cable	USB Connection and PC Sync Manager
microSD (T-Flash) Card (Optional)	Use only genuine microSD (T-Flash) cards approved & specified by the SD Card.

S/W Features

Feature	Description
RF	GSM900, DCS1800, PCS1900
GSM / GPRS	GSM Phase 2 & 2+ / Class 8 GPRS
Message	MMS / EMS / SMS
WAP	WAP 2.0 (Obigo Browser)
Java	CLDC1.1(JSR139)/MIDP2.0(JSR118)/WMA1.1(JSR120)/MM API1.2(JSR135)/JTWI1.0(JSR185)
DRM	DRM 1.0
Text Input	T9 Intelligent Text Input
Video	MPEG4 Encoder / Decoder H.263
Wallpaper	Pictures and user definable JPG, GIF, BMP

Sound	Music Player MP3, MID, WAV, AMR, iMelody Sound Recorder (AMR, WAV, AWB)
Phonebook	1000 Entries in Phonebook
Tools	Calendar, To-Do List, Alarm, World Clock, Calculator, Unit Converter, Currency Converter, Stopwatch

2. 3 SIM Card

When you subscribe to a cellular network, you receive a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details, such as your PIN, and available optional services.

There are access codes for your SIM card. These codes help you to protect the phone against unauthorized use.

When requested for any of the code explained below, key-in the appropriate code (displayed as asterisks)

and press the **OK** key.

■ **PIN**

The **P**ersonal **I**dentification **N**umber or PIN (4-8digits) protects your SIM card against unauthorized use. The PIN comes with the SIM card; see the SIM card instruction provided with your card.

If you enter an incorrect PIN three times in succession, the code will be disabled and cannot be used until you re-enable it by entering the PUK.

■ **PUK**

The 8-digit PUK (**P**ersonal **U**nblocking **K**ey) is required to change a disabled PIN. The PUK may be supplied with the SIM card. If not, or in case you have lost it, please contact your service provider.

To re-enable your PIN, proceed as follows.

2. 4 Operation

Install and charge the phone

1. If the phone is already on, first turn it off by

pressing and holding End key.

2. Insert the SIM card.

(Make sure that the gold-colored contacts on the card are face down)

3. Install the battery.

4. Replace the battery cover.

5. Plug the travel adapter into the phone.

6. Plug the adapter into a standard AC wall outlet.

7. When the phone is completely charged (the battery icon becomes still), unplug the adapter from the power outlet.

8. Remove the adapter from the phone.

9. Switch the Phone On/Off

10. Enter Your Pin (Access Codes)

11. Dial the Phone Number Required

Power On or Off

1. Hold down the power on/off key for more than one second to switch on.

2. Enter your SIM card PIN, if requested. The phone searches for your network and when detected, will

display the idle screen. The external display shows the signal strength, battery strength and current time and date.

3. When you wish to switch off the phone, hold down the power on/off key for more than two seconds.

Customize your phone

- Time and Date
Set time and date for your phone
[Menu] → [10.Settings] → [10.2 Phone Setup] → [10.2.1. Time and Date]
- Display language
Select the language for your phone menus.
[Menu] → [10.Settings] → [10.2 Phone Setup] → [10.2.2. Language]
- Set Dedicated key
Set up a menu for your own favorite menu items.
[Menu] → [10.Settings] → [10.2 Phone Setup] → [10.2.5 Dedicated key]
- Idle mode Wallpaper
Set wallpaper for the idle screen on the display.

[Menu] → [10.Settings] → [10.3 Display Setup] → [10.3.1 Idle Screen] → [10.3.1.1 Wall paper]

- Call ringer melody
[Menu] → [10.Settings] → [10.1 Profiles]
- Phone lock
Protect the phone against unauthorized use with a phone password. The phone will require the password on power-up.
[Menu] → [10.Settings] → [10.6 Security Setup]

3. Overview of menu functions

To access Menu mode, press **[Menu]** in Idle mode.

* Some menus are operator-, network- and subscription-dependent.

1. Phone Book

- 1.1 Quick Search
- 1.2 Search Entry
- 1.3 Add New Entry
- 1.4 Mark Multiple
- 1.5 Caller Group

- 1.6 Speed Dial
- 1.7 Special Number
- 1.8 Settings

2. Message Center

- 2.1 Messages
- 2.2 E-mail
- 2.3 Voice Mail
- 2.4 Broadcast Message

3. Call History

- 3.1 Missed Calls
- 3.2 Dialed Calls
- 3.3 Received Calls
- 3.4 Delete Call Log
- 3.5 Call Time
- 3.6 Call Cost (depends on SIM)
- 3.7 SMS Counter
- 3.8 GPRS Counter

4. Music

- 4.1 Music Player
- 4.2 Audio Equalizer

5. Camera

- 5.1 Camera
- 5.2 Album
- 5.3 Video Recorder
- 5.4 Video Player
- 5.5 Photo Editor

6. FM Radio

- 6.1 FM Radio
- 6.2 Schedule FM Record

7. Organizer

- 7.1 Calendar
- 7.2 To Do List
- 7.3 Alarm
- 7.4 World Clock
- 7.5 Calculator
- 7.6 Units Converter
- 7.7 Stopwatch

8. Services

- 8.1 Opera Mini
- 8.2 WAP
- 8.3 Data Account
- 8.4 SIM Toolkit (depends on SIM)

9. Entertainment

- 9.1 Java
- 9.2 Java Settings
- 9.3 Games
- 9.4 Sound Recorder
- 9.5 Melody Composer
- 9.6. Health
- 9.7 E-Book Reader

10. Settings

- 10.1 Profiles
- 10.2 Phone Setup
- 10.3 Display Setup
- 10.4 Call Setup
- 10.5 Network Setup
- 10.6 Security Setup
- 10.7 Restore Factory Settings

11. Bluetooth

- 11.1 Bluetooth Mode
- 11.2 Remote Control
- 11.3 My Devices
- 11.4 Active Device

11.5 Settings

11.6 About

12. File Manager

1. Phone Book

You can store phone numbers on your SIM card and in your phone's memory. The SIM card and phone's memory are physically separate, but they are used as a single entity called Phone Book. To access this menu, press **[Menu]** in Idle mode and select **Phone Book**.

1.1 QUICK SEARCH

Use this menu to search for numbers in Phone Book.

Finding an entry

1.2 SEARCH ENTRY

When you select the Search Entry, after storing numbers to phone book, you can search them by Name.

1.3 ADD NEW ENTRY

Use this menu to add a new contact to Phone Book.

1.4 MARK MULTIPLE

You can copy phone book data from SIM card to Phone or from Phone to SIM. It is a useful function if

you want to back up your phone book data from a SIM card to your phone and vice versa. Also you can delete all phone book data.

1.5 CALLER GROUP

Use this menu to organize your contacts in caller groups.

1.6 SPEED DIAL

Use this menu to assign speed dial numbers (2 to 9) for your most frequently called numbers.

1.7 SPECIAL NUMBER

You can view and edit your mobile phone number (owner number), Service Dial number and SOS number.

1.8 SETTINGS

You can view and edit the settings for the Phone book as following.

Storage in the phone book, the phone number in the phone book entry list, invoice tone.

2. Message Center

Use this menu to send and receive short messages and multimedia messages. You can also use a voice-mail, E-mail and broadcast message features.

Message functions are available depending on network services that your service provider supports.

2.1 MESSAGES

The SMS (Short Message Service) function is a network service and your network may or may not support the service. You can send messages in Fax, Page, E-mail and Text format. To send text messages by phone, you must obtain the SMS center number from your service provider, and enter it on the **SC Address** option in Profile Settings menu.

Multimedia Message Service (MMS) delivers messages containing a combination of text, image, video and audio, from phone to phone or from

phone to e-mail.

2.2 E-MAIL

The E-Mail application allows you to send and receive e-mails. The application supports text and attachments. The e-mail application could be either normal POP3 e-mail client or IMAP4 based e-mail service. When highlighting on Inbox, Sent, Unsent and Draft, the number of mails shall be displayed as a popup hint, e.g., "10 mails"

Note:

If current incoming protocol is set to IMAP4, and the phone is not currently connected to the network, when before entering this screen, shall popup a confirmation screen for the user with message "Do you want to connect to the network?". If the user selects "Yes", then can send list folder request to network; otherwise, directly enter this screen, and all popup hint displays "0"

mails.”

2.3 Voice Mail

Your phone is capable of dialing with voice-mail server number (if provided by your network). If you receive any voice-mail, your phone displays **New Message** in the idle screen.

Select the Voice Mail from the list and press [Option] soft key (left). You can **Edit** the Voice Mail server number.

By selecting the **Connect to Voice**, your phone will dial to the configured number that has been stored in Voice Mail list. You can then listen to the voice-mail.

Note:

Voice mail is a network feature. Please contact your service provider for more information.

2.4 Broadcast Message

This network service allows you to receive the broadcast messages on various topics such as weather, traffic, local district code, local hospitals, taxis or pharmacy in your area.

For more information about broadcast message topics, please contact your service provider.

The phone will display the Broadcast Messages immediately when received, on the following condition:

- 1) When the phone is in the idle mode
- 2) When the **Receive Mode (2.4.1)** option is set to **on**
- 3) When the message channel is currently active in the channel list.

Note:

This service may not be available on all networks. For more information about the available subjects,

please contact your network service provider.

3. Call History

Use this menu to view the calls you have dialed, received, or missed, and the length of the calls. You can also check the cost of your calls, if the SIM card supports this function.

To access this menu, press **[Menu]** in Idle mode and select **Call History**.

3.1 Missed Calls

This menu displays the most recent 20 received calls that you did not answer. In the missed calls list, you can view the details of the record by pressing the **[Option]** soft key (left). In the view screen, you can make a call to the number by pressing the Send Key

- 1) View : Allows you to view the record
- 2) Delete: Allows you to delete the record

- 3) Save to Phone Book: Allows you to save the record to the phone book
- 4) Dial: Allows you to call back to the recorded number
- 5) Edit: Allows you to edit the number and save to the phone book
- 6) Send SMS: Allows you to send SMS to selected name, number of your phone book
- 7) Send MMS: Allows you to send MMS to selected name, number of your phone book

3.2 Dialed Calls

This menu displays the most recent 20 calls you have **dialed**. In the **dialed** calls list, you can view the details of the record by pressing the **[Option]** soft key (left). In the view screen, you can make a call to the number by pressing the Send Key.

3.3 Received Calls

This menu displays the most recent 20 calls you have received.

In the list of received calls, you can view the details of the record by pressing the **[Option]** soft key (left). In the view screen, you can make a call to the number by pressing the Send Key.

3.4 Delete Call Log

This menu lets you delete all call data of each category at once.

- 1) Missed Call: Allows you to delete all missed call
- 2) Dialed Call: Allows you to delete all dialed call data
- 3) Received Call: Allows you to delete all received call data
- 4) Delete All: Allows you to delete all call logs

3.5 Call Time

This menu displays the time log for calls made and received. The actual time invoiced by your service provider will vary.

Note:

The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes and so forth.

3.6 Call Cost(depends on SIM)

This network feature displays the cost of calls. This menu is available only if your SIM card supports this feature. Note that this is not intended to be used for billing purposes.

Note: Not all SIM cards support this feature. The number of items in these lists depends on the contents of your SIM card.

3.7 SMS Counter

You can view the numbers of sent and received SMS.

3.8 GPRS Counter

You can view how many GPRS message has been sent and received, and reset the counter.

4. Music

4.1 Music Player

You can listen to MP3, AAC, MIDI, WAV, AMR, iMelody music files with **Music Player**.

Use the Left & Right Navigation Key to view the play list. It will display available music list from the Memory Card or Phone depending on Player Settings.

And with the Up Navigation Key, the main display will be rotated to Play List, Spectrum, ID3 Tag and Detail. ID3 Tag allows you to provide the music title, album title and singer and Detail allows you to provide the output of the song, memory size and play time.

To play the music, from the music player screen, select ► or from [Option] soft key (left), select **Current List** or **My Album** then play the song you want.

4.2 Audio Equalizer

Allows you to set equalizer as Normal, Bass, Dance, Classical, Treble, Rock, Pop, User.

5. Camera

5.1 Camera

You can use the camera module embedded in your phone to take photos. Before taking a picture, you can set your camera settings on screen by pressing navigation keys, alphanumeric keys, and [Option] soft key (left).

Taking and Saving a Photo

1. Choose **[Camera]** menu
2. Set your camera by using [Option] or alphanumeric keys.
3. After setting the view and take a picture by pressing the [OK] key.
4. Press the Save Key [Left Soft Key] to save to the Photo Viewer.
5. If you want to send the picture by MMS promptly, press the up navigation key. You can attach the picture automatically.

Key Usages in Camera Preview

✂ Navigation Keys

- Magnifying Setting (Vol. Up & Down Key): allows you to magnify or reduce the size of the image.
- Brightness Setting (Up & Down Navigation Key): allows you to adjust the brightness (Exposure Value)
- Camera switch to Video (Left & Right Navigation Key navigation key -> cam/video change

✂ Alphanumeric Keys

You can easily change the camera setting by pressing the following alphanumeric keys. The screen will display and toggle camera option icons, when you press the following keys.

Note: Camera options

Key	Setting	Key	Setting
1	Effects	7	Picture Quality

2	White Balance	8	Picture Size
4	Delay Timer	*	Album
5	Shoot Mode	#	Show or Hide Option Icon

5.2 Album

You can see your photos in your phone by choosing [Album] menu in [Camera] menu. It will display the photos with thumbnail, image name, and image size.

5.3 Video Recorder

With this phone, you may record a video with the Video Recorder menu.

- Camera switch to Video: Left & Right Navigation Key

Alphanumeric Keys

You can easily change the video setting by pressing the following alphanumeric keys. The screen will display and toggle camera option icons, when you press the following keys.

Note: Video options

Key	Setting	Key	Setting
1	Effects	4	Night Mode
2	White Balance	*	Video Player

5.4 Video Player

You can view the recorded video with the Video Player.

By pressing the * key, you can view the recorded video with the width screen.

5.5 Photo Editor

Photo Manager

You can edit photo image with this function.

1. Select the image file you want to edit in the File Manager storage.
2. Choose Image file
 - (1) Auto Resize function resizes the selected image to full image
 - (2) Main LCD Clip function clips a part of image to fit in 240x320 pixels.

Image Tile

You can edit photo image by using several shots you saved at Photo Viewer and combine them in one frame. You can select the layout (2 Image Tile, 4 Image Tile and 9 Image Tile) with this function.

Slide Show

You can view images as a slide show, a sequential presentation of each image in the current folder.

6. FM Radio

6.1 FM Radio

The FM Radio application turns the mobile phone into a portable FM Radio device. It primarily provides users the interface to a single-chip electronically turned FM stereo radio for listening to live-broadcast stations. You must connect the earphone to your phone as it works as an antenna.

To listen to the radio:

Connect the earphone to your phone. When entering the main screen, a default frequency is selected and it's power off for the first time of entrance.

6.2 Schedule FM Record

This menu allows you to set the Schedule FM Radio to record at a specific time. You can save up to 4 channels.

7. Organizer

Use this menu to keep track of your schedule. You can also use convenient features, such as Alarm,

World Clock, Calculator, Unit Converter, and Stopwatch.

To access this menu, press [Menu] in Idle mode and select **Organizer**.

7.1 Calendar

The calendar helps you to keep track of your monthly schedule.

When you access the Calendar menu, the calendar in Month view appears with today's date indicated by a red box.

7.2 To Do List

You can view all saved tasks. It displays a task or tasks saved in the calendar. The To Do List shows the notes of the tasks from the oldest task to the latest task.

7.3 Alarm

This menu allows you to set the alarm to ring at a specific time. You can save up to five alarms.

To stop the alarm when it rings, press the [Stop] soft key (left) to stop the alarm or **press the [Snooze]**

soft key (right) to snooze the alarm so that it will remind you again at the time you set up.

7.4 World Clock

This feature allows you to check the current time based on Greenwich Mean Time (GMT) for major cities around the world.

From the world map, press the left and right Navigation keys to scroll to the city you want. As the time line moves, the current day and time of the given zone displays.

7.5 Calculator

Use this menu to perform basic arithmetic functions; Addition, Subtraction, Multiplication and Division with the Navigation keys. Press **the *to** use memory functions; Add to Memory, Subtract to Memory, Memory Clear and Memory Read.

7.6 Units Converter

You can convert from one type of unit to another.

7.7 Stopwatch

This is a tool to measure timing; Split Stopwatch, Lap Stopwatch and 4Way Stopwatch.

Typical Stopwatch

There are Split Timing and Lap Timing stopwatch functions in this typical stopwatch menu.

4 Way Stopwatch

You can use 4-way direction icons for measuring times for each direction. A

When you press a direction icon, the direction stopwatch will start timing, and three other direction stopwatches will pause the timing. If you press the paused direction's direction icon, the stopwatch will resume timing.

8. Services

This menu allows you to use services including SIM card additional services, WAP and Data Service.

8.1 Opera Mini

8.2 WAP

The Wireless Application Protocol (WAP) on your phone allows you to access the wireless web. Using the web browser, you can access up-to-date information and a wide variety of media content, such as wallpapers, ring tones, and music files.

To access this menu, press [Menu] and select **Services** then **WAP**. You can also press the WAP key in the idle mode.

This option allows you to set the WAP settings. There are several profiles of sites in this phone. You can activate one of them as a home site and change or set each profile.

8.3 Data Account

This menu allows you to change the settings for the GSM and GPRS network services. For further details, contact your service provider.

GSM

This setting allows you to change the settings for the GSM network.

GPRS

This setting allows you to change the settings for the GSM Data network.

8.4 SIM Toolkit (depends on SIM)

9. Entertainment

You can use your phone as your entertainment center.

9.1 Java

Using this menu you can enjoy the embedded Java games and downloaded Java games or Java Applications from WAP.

9.2 Java Settings

You can setup audio, network profile, and free data space.

1) Java Audio: allows you to set the Java audio sound to on or off.

- 2) Java Vibration: allows you to set the vibration to on or off.
- 3) Java Network: you can select the java network from the list.
- 4) Free Data Space: you can view the free data space.
- 5) Heap Size: you can view the remaining heap size.

9.3 Games

This phone provides you 2 embedded game. Please see the following instructions for each game, and enjoy the games.

9.4 Sound Recorder

With this menu, you can record sound in AMR, WAV and AWB format and use it as voice memo, ring tone, MMS and EMS attachment.

9.5 Melody Composer

With this menu, you can create an iMelody file. You can use this melody as your Ring Tone, MMS and EMS attachment.

9.6 Health

With the Health menu, you can check your BIO Rhythm and BMI.

9.7 E-Book Reader

The viewer application provides an easy way for you to read documents stored in the phone's memory or a memory card. Available file format is Txt. file.

10. Settings

The Settings menu provides you with various setting options to customize the phone to your preferences and needs. You can also reset the settings to their default values.

To access this menu, press **[Menu]** in Idle mode and select **Settings**.

10.1 Profiles

Use this menu to customize various sound and change settings for the light.

10.2 Phone Setup

Many different features of your phone's system can be customized to suit your preferences.

10.3 Display Setup

This menu allows you to customize desired phone display items.

10.4 Call Setup

The following Call Setup features are network services. Please contact your network service provider to check availability and subscribe to the feature.

10.5 Network Setup

Network Setup helps you in Network Selection, selection of Preferred Network, and GPRS connection

10.6 Security Setup

Use this menu to protect the phone against

unauthorized use by managing the several access codes of your phone and SIM card.

There are seven types of security setting categories, and you can optimize security mode by choosing sub menus in “Security Setup” in “Settings” menu. These security settings will help you to keep privacy and to prevent other people from using the phone without your permission.

Note:

If you enter an incorrect PIN/PIN2 three times in succession, the SIM card is blocked. To unblock it, you need to enter your PUK/PUK2. The codes are supplied by your network operator.

PIN Lock

When the PIN Lock feature is on, the phone only works when you enter PIN code for the SIM card. If you turn on the phone with the SIM card, the phone will ask for the password. Once the correct password is entered, the phone will work with the

SIM card.

Phone Lock

When the Phone Lock feature is on, user must enter the password each time you turn on the phone. Making a call or operating the phone is not available without the password.

Auto Keypad Lock

To prevent unwanted accidental key presses, you can use this auto keypad lock function. You may not make a call or operate the phone until you press the unlock code. However, answering a call, receiving messages are available without entering the unlocking key sequence.

To change the Keypad Lock setting,

1. Press and hold the * key or
2. Press the menu key and select 11.Settings / 11.6 Security Setup / 11.6.3 Auto Keypad Lock.

To unlock the Keypad Lock time setting,

1. Press the [unlock] soft key (left) and * key in sequence, each time you need to release the keypad lock.

Data Lock

To prevent unauthorized use of Phonebook, Call History, Message, WAP, you can use this Data Lock function.

Fixed Dial

When the Fixed Dial mode is enabled, the person using this phone can call to the phone numbers stored in the Fixed Dial List only. To make a call to the number not starting the numbers stored in Fixed.

Dial List, you must enter the PIN2 to disable Fixed Dial mode. If the SIM card does not have PIN2, this feature is not supported.

Barred Dial

When the Barred Dial mode is enabled, the person using the phone cannot call numbers in the barred dial list. To call a barred number, you must enter the PIN2 to disable the barred dial mode. If the SIM card does not have PIN2, it will not support the Barred Dial feature.

Change Password

To change the password, input the current password, and then enter the new password.

10.7 Restore Factory Settings

This feature would reset the phone to the same settings as those configured at the factory. In this case, it does not delete the downloaded objects and phone book records. You will need to input password to restore factory settings. The initial password is 0000.

11. Bluetooth

Bluetooth helps to transmit data or photos from your mobile phone to another device nearby without any cables.

12. File Manager

Use this menu to navigate the stored files in the phone or the microSD (T-Flash) Card. You can open files and use them in a way the phone supports, and see the total memory used and free space in the storage.

- 1) You can view the remaining memory and total memory of the phone and the microSD Card.
- 2) You can open and navigate the directories and files in the storage.
- 3) You can view, play, and setup files in the storage disks.
 - 1) View / Play: allows you to view or play the file.
 - 2) Edit: allows you to edit image files.
 - 3) Forward: allows you to forward the file to

use in Wallpaper, Screen Saver, Tone Setup, Phonebook, and to send via MMS, EMS, and Bluetooth.

- 4) Detail: displays information of the file, date and size.
- 5) Rename: allows you to edit the file name.
- 6) Copy: allows you to copy the file to the other folder or other storage.
- 7) Move: allows you the move the file to the selected folder or storage. The file will be removed from the original folder and paste to the selected folder.
- 8) Delete: allows you to delete the selected file.
- 9) Delete All Files: allows you to delete all files in the selected folder.
- 10) Sort: allows you to sort the files by name, by type, by time, and by size.

Note: After selecting Copy or Move option, press the left or right navigation keys to access to the upper or lower folder.