SPICE S-909

User Manual

Contents

Preface

Congratulations on your purchase of an SPICE S-909 mobile phone. Read this manual carefully and keep it in a safe place for future reference.

About this manual

Every effort has been made to ensure that the contents of this manual are correct and up to date. However, the manufacturer makes no guarantee regarding the accuracy of the contents, and reserves the right to make changes without notice.

Welcome

Congratulations on your purchase of an SPICE S-909 cell phone. The following illustration displays the package contents of your new phone.

Package contents

Spice S-909 Mobile handset	Spice 750 mAh Li-ion battery	Spice SAC-03 Travel charger	Spice SAD-02 Data cable	Spice SAH-03 Headset	Headset connector
User manual	Spice S-909 Handset Manager CD	Spice All India Warranty Card			
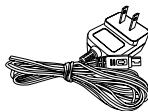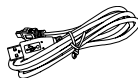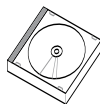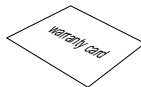
Overview

The S-909 is a stylish and fashionable new phone from Spice, with all the functions and utilities to make it a useful tool in today's mobile world. The S-909 comes equipped with a built-in camera, MMS/SMS messaging capability, organizer, audio player, Bluetooth capability, WAP, GPRS, and a microSD™ card slot. In addition to the internal 64 MB phone memory, the microSD™ card* provides additional memory where you can store your contact information, messages, text, graphics, and audio files. The S-909's audio player enables you to play back your favorite music.

Features

- Wide variety of calling and messaging functions
- Built-in 2.0 Megapixel camera
- Media center with audio player, FM radio receiver, and games for your entertainment
- MMS and SMS messaging capability
- Personal information organizer with alarm, calendar, calculator and other useful tools to manage your time
- WAP and GPRS capability to check e-mail or browse web services
- Bluetooth capability

* **NOTE**: The microSD™ card is an optional accessory. The accessory bundle may vary in different territories.

Specifications

System supported	Triband GSM900/1800/1900; GPRS Class B/Multi-Slot
Dimensions	99.9 (L) x 48.1 (W) x 17.2 (T) mm
Battery	750 mAh Li-ion
Standby time	200~300 hours
Talk time	2.5 ~ 5 hours
Main display	1.9" TFT, 262K colors, 176 x 220 pixels
Phonebook	500 multiple entries
Messaging	Supports SMS, EMS, MMS, Email
Camera	2.0 Megapixel CMOS
Video recording	Records an unlimited number of files, depending on internal and exernal memory status Supports MPEG4 video recording
Ringtone	64 chord polyphonic ring tones Supports MP3
Voice recording	Records an unlimited number of files, depending on internal and external memory status
Memory	64 MB internal memory and *microSD™ external slot
Connectivity	USB 1.1 support Bluetooth 1.2 (Supports HID, GAP, SDP, HSP, HFP, SPP, DUN, OPP profiles)
WAP	WAP 2.0
Other features	MP3 Music Player/MP3 Ringtone/FM radio Support H.263/MPEG4 (3GP/MP4)/AAC Support 15 fps QVGA video encode Handfree Support Support Bluetooth data transfer Support Bluetooth Stereo headset/skype Equiped HID

* **NOTE**: All specifications are subject to change without notice.

Menu Map

Phonebook
- Quick Search
- Search Entry
- Add New Entry
- Copy All
- Move All
- Delete
- Caller Group
- Extra Number
  - Owner Number
  - Service Dial Number
  - SOS Number
- Settings
  - Memory Status
  - Preferred Storage
  - Fields
  - My vCard

Messages
- SMS
- MMS
- Chat
- Email
- Voice Mail Server
- Broadcast Message

Call History
- Missed Calls
- Dialed Calls
- Received Calls
- Delete Call Log
- Call Time
- Call Cost
- SMS Counter
- GPRS Counter

Settings
- Phone Setup
  - Time and Date
  - Schedule Power On/Off
  - Language
  - Preferred Input Methods
  - Default Encoding Type
  - Display Settings
    - Wallpaper
    - Screen Saver
    - Themes
    - Power On Display
    - Power Off Display
    - Show Date and Time
    - Show Owner Number
    - Show Operator Name
    - Show Idle Shortcut
    - Clock Type
  - Greeting Text
  - Speed Dial
  - Dedicated key
  - Auto update of date and time
  - Flight Mode
  - LCD Backlight

- Call Setting
  - Caller ID
  - Call Waiting
  - Call Divert
  - Call Barring
  - Line Switching
  - Call Time Reminder
  - Call Time Display
  - Auto Redial
  - Closed User Group
  - Call Filter
- Network Setting
  - Network Selection
  - Preferred Networks
  - Band Selection
  - GPRS Connection
- Security Setting
  - SIM Lock
  - Phone Lock Code
  - Auto Keypad Lock
  - Slide Keypad Lock
  - Fixed Dial
  - Barred Dial
  - Change Password
- Restore Factory Settings

Multimedia
- Camera
  - Album
  - Camera Setting
  - Image Setting
  - White Balance
  - Scene Mode
  - Effect Setting
  - Add Frame
  - Storage
  - Restore Default
- ImageViewer
- Video Recorder
  - To Player
  - CamCorder Setting
  - Video Setting
  - Effect Setting
  - Storage
  - Restore Default
- Video Player
- Photo Artist
- Audio Player
- Sound Recorder
- FM Radio
- Schedule FM Record
- Melody Compose

File Manager
- Phone
- DRM Rights

Fun & Game
- Games
- Game Setting

User Profiles
- Normal
- Meeting
- Outdoor
- Indoor
- Headset

Organizer
- Calendar
- To Do List
- Alarm
- World Clock

Services
- WAP
- Data Account

Extra
- Bluetooth
- Shortcuts
- Calculator

- Unit Converter
  - Weight
  - Length
- Currency Converter

Shortcuts

Getting started

Inserting the SIM card, microSD™ card, and battery

When you register with a service provider, you receive a Subscriber Identity Module (SIM) card. Your phone must have a SIM card in order to make calls. The SIM card is a computer chip that contains your phone number, phonebook information, and service provider information. Handle it with care and do not bend it or expose it to static electricity or dirt. Be sure the power to your phone is off before you insert your SIM card.

The SIM card slot is situated underneath the battery.

To insert the SIM card:

1. Slide the cover in the direction of the arrow. Lift and set it aside.

2. Pull the protruding film on top of the battery in the direction of the arrow, then carefully lift the battery out of its compartment.
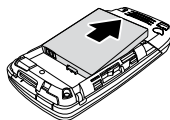
3. Insert the SIM card into the holder. The gold contacts of the SIM card should face down.

To insert the microSD™ card:

1. Place the microSD™ card in the slot with the gold contacts facing down.

NOTE: In some regions the microSD™ card may be supplied as an optional accessory only.

2. Place the battery back into the battery compartment noting the correct polarity.

3. Replace the back cover, sliding it upward until it snaps in place.

Charging the battery

1. Connect the charger plug to a power outlet.
2. Connect the charger to the socket at the side of the phone. The connector can only be inserted one way.
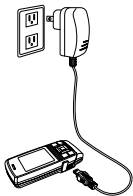
NOTE: For best battery performance, allow the battery to charge and discharge completely the first few times you use it.

Low battery indicators

The battery indicator on the upper right corner of the screen indicates how much charge remains in the battery. As an additional reminder, the phone emits a double beep when the battery is low. The message "battery low" also appears on the screen.

Note: If the battery has been deeply discharged, it may take the battery level indicator several minutes to display.

Turning the phone on/off

To turn the phone on:

- Hold down the power/end $\boxed{\ominus}$ key until the screen lights up.
  If needed, enter your SIM card PIN code and press the Enter key.

To turn the phone off:

- Press the power/end $\boxed{\ominus}$ key and hold until the phone shuts down.

NOTE: If you set an alarm using the Organizer menu, then turn off the phone, the phone will turn itself on when the alarm is activated. After you disable the alarm, the phone prompts you if you want to keep the phone turned on or off. See the Organizer section for details about setting an alarm.

Function Keys

The following table lists the phone keys and their functions.

$\boxed{\ominus}$	**Power/end key** • Hold to turn the phone on or off. • Press to stop an incoming call or cancel a call you are dialing. • Press to exit a menu or submenu.

Call/OK key
- Press to dial or answer calls.
- Press to confirm selection of a menu item.
- Press to display the call logs or to redial the last number called.

Left soft key
- Press to display the menu when the phone is in standby mode.
- Press to confirm selection of a menu item.
- Press to perform the function currently displayed on the lower left corner of the screen.

Right soft key
- Press to view phone book when the phone is in standby mode.
- Press to perform the function currently displayed on the lower right corner of the screen.

Up joystick key
- Press to enter Internet Services when the phone is in standby mode.
- Press to scroll up through menu items.
- Press to Increase volume when playing MP3 files in Audio Player.

Down joystick key
- Press to scroll down through menu items.
- Press to open Shortcuts when the phone is in standby mode.
- Press to Increase volume when playing MP3 files in Audio Player.

Left joystick key
- Press to scroll left through menu items.
- Press to enter Write Message when the phone is in standby mode.
- Press to play/ the previous MP3 file in Audio Player.

Right joystick key
- Press to scroll right through menu items.
- Press to initialize the Bluetooth function when the phone is in standby mode.
- Press to play the next MP3 file in Audio Player.

Center joystick key (Enter)
- Press to confirm selection of a menu item.
- Press to enter File Manager when the phone is in standby mode.

Front view

Earpiece

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Screen

Joystick

Up joystick key

Left soft key

Right soft key

Left joystick key

Right joystick key

Call key

Power/end key

Down joystick key

Alphanumeric keypad

10
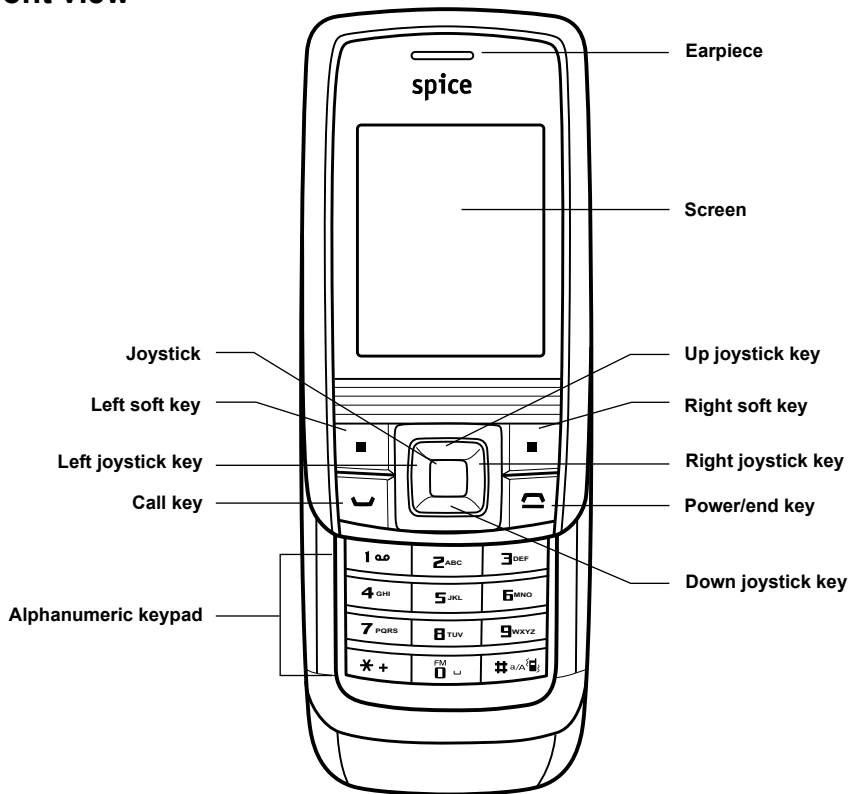
Left view

Top view
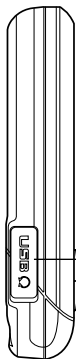
MicroSD™ card slot

Charger/USB/ Headphone port
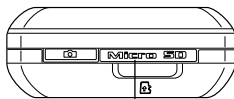
Back view
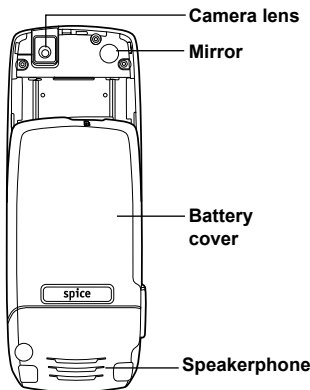
Camera lens

Mirror

Battery cover

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Speakerphone

Unlocking the Keypad and Slide

The keypad and the slide lock of the phone can be locked automatically after a specific time interval to prevent tampering or accidental pressing of any buttons. Refer to Security Setup in the Settings section to learn how to lock the keypad and slide lock.

To unlock the keypad, do the following:

1. The screen shows Unlock in the lower right corner of the screen. Select this option by pressing the Right Soft Key which is just under the word Unlock on the screen.
2. Press the Left Soft Key on the keypad to unlock the keypad as prompted on the screen. The keypad and slide is unlocked.

Standby Mode

When your phone is on, but not in use, it is in standby mode. During standby mode, the upper part of the display screen shows various icons.

The date and time are displayed in the top of third of the screen. At the bottom of the screen are Menu in the left corner and Name in the right corner. Press the left soft key to view the main menu, and the right soft key to view the phone book.

Standby Mode

When your phone is on, but not in use, it is in standby mode. During standby mode, the upper part of the display screen shows various icons.

The date and time are displayed in the top of the screen. At the bottom of the screen are **Menu** in the lower left corner and **Name** in the lower right corner. Press the left soft key to view the main menu, and the right soft key to view the phone book.

The Standby screen icons and their descriptions are as follows:

📶	Vertical bars indicate the strength of the GSM network signal. Four bars indicate that your current position has the best reception.
📞	Line 1 or line 2 is selected for calls.
⏰	Alarm has been set.
✉	A text message has been received.
📧	A multimedia message has been received.
✉	The SMS memory is full (blinking icon).
🔋	Indicates battery charge status.

📶	Phone is using GPRS network.
🔺	Phone is in roaming mode.
🔔	Ringtone is enabled.
🔕	Ringtone is disabled.
📋	Indicates a missed call.
📳	Vibrate mode is enabled.
↪	Call divert is enabled.
⏱	Countdown is enabled.

Using the Menu

To view the main menu, go to standby mode, then press the left soft key 🔹. Follow these tips to navigate through the menu and menu options.

- Use the up, down, left, and right joystick keys to move through the various menu items.

- The lower left part of the screen displays the name of the menu item currently selected while the lower right corner displays Back. Press the left soft key 🔹 key to select the menu item. Press the

right soft key 🔳 under Back to exit the menu.

- To quickly exit from the menu, press the Power/End 🔲 key.

- Use the joystick keys to select the submenu items and options. You can also use the left soft key 🔳 to open various options in some submenus.

For example, to view missed calls:
1. Use the joystick keys to select Call History from the main menu.
2. Press the left soft key 🔳 to confirm the selection. The Call History submenu opens.
3. Press the left soft key 🔳 to select the Missed Calls option. A list of missed calls opens.

Text Entry

When you add names to your phone book, send a text message, or use your WAP browser, you need to enter text. Your cell phone has several text entry methods. You can enter letters individually or with predictive text entry, which helps you complete words as you enter them. You can enter letters in upper case, lower case, or both, or insert symbols.

Basics

- Use the alphanumeric keypad to enter letters and numbers. Each key is assigned multiple characters.

- Press the right soft key to select Clear, on the lower right corner of the screen, to delete a letter if you make a mistake.
- To enter spaces, press "0"; to enter symbols, press "*".
- To enter Numeric in the Alpha Input mode, long press the number key corresponding to the number to the nember to be inputed.
- To swtich between input methods eg. Alpha, Numeric, press "#".

Key	Assigned characters
1 ⚫	. , - ? ! ' @ : # $ / _ 1
2 ⚫	A B C 2
3 ⚫	D E F 3
4 ⚫	G H I 4
5 ⚫	J K L 5
6 ⚫	M N O 6
7 ⚫	P Q R S 7
8 ⚫	T U V 8
9 ⚫	W X Y Z 9
0 ⚫	Space, 0, long press to turn on FM

Choosing text entry methods

From any text entry screen, such as a text message window, select **Options > Input Method**.

Multitap input

Multitap input enables you to enter individual letters one by one. This is ideal for adding a phonebook entry or entering a WAP address. When you press a key, the characters assigned to the key appear in the lower center of the screen. Press the key repeatedly to scroll through these characters. Pause for a moment and the selected letter appears on the screen. For practice, try creating a text message (SMS) as follows:

From the menu, go to **Messages > SMS > Write Message**. Before entering text, press **Option > Input Method** and select **Multitap ABC/Multitap abc.**

To enter the words "my phone" into the text entry area, follow these steps:

1. Press ▣ to select **m**.
2. Press ▣ three times to select **y**.
3. Press ▣, followed by the enter key or left soft key to enter a space.
4. Press ▣ to enter **p**, then press ▣ twice to enter **h**. Continue in this fashion until the word "phone" is entered.

Smart ABC

Smart ABC is a predictive text entry method, which uses a built-in dictionary to predict the word you are typing. You can choose the correct word by pressing the keys repetitively and scrolling through the words suggested by the phone. By reducing the number of keystrokes, the smart ABC helps some users to type messages more quickly.

Whenever you press a key, a list of possible characters or character combinations is created. To enter text, use the up and down joystick keys to find the character combination you want. Press the right joystick key to proceed entering the next character. If you make a mistake, press Clear.

Here is an example of how to enter the word "baby" using smart text entry.

1. Press ▣. The letter **a** appears on the screen.
2. Press ▣ again quickly to go to the next suggestion which is **ba**. If you press the up/down joystick keys, the phone scrolls through all possible two-letter combinations of the letters a, b, and c.
3. Press ▣ again quickly to display three-letter combinations of the letters a, b, and c.
4. Press ▣ The word "baby" is complete.
5. Press **Option > Done** when finished.

NOTE: For smart text entry to work properly, ensure the language settings in your phone match the language you want to type in. To set the language, go to Settings > Phone Settings > Language.

Numeric text entry

Numeric text entry allows you to create a text

message composed of numbers. To use this method, select **Option > Input Method** and then select **Numeric**. Now you can directly input the numbers using the keypad.

Symbols text entry

With this method, you can enter various types of symbols. Select **Option > Input Method > Insert Symbols** or press "*" to display a list of symbols. Use the joystick keys to select the desired symbol and press OK.

Connecting to a Computer

Connect the mobile phone to a computer using the supplied USB cable. The phone will display the USB configuration menu.

- **Charge only** - allows you to only recharge the phone, without acting as a USB mass storage device.
- **Mass Storage** - The phone memory appears on your computer as a removable disk. If the microSD™ card is installed in the phone, it also appears on the computer as a removable disk. You can transfer files between the computer and the phone using a file viewer, such as Windows® Explorer or My Documents.
- **COM Port** - To connect the Phone as a Data Communication Device for the PC/ Laptop for Data/GPRs Communication.

Calls

Making a call

To place a call:

1. Enter the number you want to dial using the keypad. If you make a mistake, select **Clear** to delete at any time. The right soft key ▪ is just under the word **Clear** on the lower right screen; select this key to clear a number.
2. To cancel the call and return to standby mode, press the **Power/end** ⌐ key.
3. Press the **Call** ⌣ key to connect the call after you finish dialing the number.
4. Press the **Power/end** ⌐ key to disconnect the call.

Making international calls

To make an international call:

1. Enter "**+**" by quickly double press the ⁕ key.
2. Enter the international access code for the country you want to dial, followed by the area code and the telephone number.

Answering a call

When you receive a call, the phone alerts you by sounding the ring tone and vibration according to the specified ring tone and vibration settings. To answer the call, do the following:

1. Press the **Call** ⌣ key to answer the call.
2. Press the **Power/end** ⌐ key to end the call and disconnect.

You may also select **Option > Answer** to answer the call.

Rejecting an incoming call

To reject an incoming call, press the **Power/end** ⌐ key; or, press the right soft key ▪ to select the **Reject** option. Depending on your service provider, the caller may be transferred to your voice mail or you may hear a busy signal.

Diverting a call

To divert an incoming call to another number:

1. When you receive the call, press **Option** and then select the **Deflect** item.
2. Use the keypad to enter the phone number to which you want to divert, or select **Search** using the left soft key ▪ then browse through the phone book to select a number.
3. Press OK when done.

Redialing a number

The phone provides a quick method to redial a previously dialed number.

To redial a number:

1. On standby mode, press the **Call** key. The Call logs screen appears, displaying a list of previously dialed numbers. The last number dialed is on top of the list.
2. Select the number you want to dial, then press the **Call** key to dial the number.

You can also access dialed numbers from **Call History > Dialed Calls**.

Call history

Call logs consist of information about missed, dialed, and received calls. To view lists of missed, dialed calls or received calls, select **Call History** from the main menu. Then select Missed Calls, Dialed Calls, or Received Calls to view the type of calls you require. The number of calls in a list is limited to 50 entries. Older calls are dropped from the list when the limit is reached. Most recent calls appear first in a list.

Returning a missed call

If you have missed a call, a message appears on your standby screen to tell you a call was missed. Select **Read** to see the most recent missed calls.

To view a complete list of missed calls:

1. Select **Call History > Missed Calls**.
2. Scroll through the list and select the desired call. Press the **Call** key to call the number.

To view additional information, select a missed call number from the list, then press OK. You will see the date, time, caller's name and phone number, and the number of times the call was received is displayed. To call the number, press the **Call** key or select **Ok > Option > Dial**.

To dial a number from the received or dialed call logs, follow the same procedure in the previous section "**Returning a missed call**."

Call log options

While viewing a number from the dialed, received or missed call logs, you can select **Option** to view other functions as follows:

- **Delete:** Deletes the number from the list. Deleting can create space for other numbers.
- **Save to Phonebook:** Adds the number to the phonebook.
- **Dial:** Calls the selected number.
- **Edit:** Modifies the number. This may be useful for adding an area code, for example. Modify the number, then select **Save** to enter the number to your phone book.

Deleting call logs

To delete call logs:

1. Select **Call History** from the main menu and then select **Delete Call Log**.
2. Select the list you want to delete:
   - Missed Calls
   - Dialed Calls
   - Received Calls
   - Delete All

Call time/cost

Depending on the type of service package you have, you may pay according to the length of your calls. Some users want to monitor the length of their calls. Your phone offers a convenient and accurate way to keep track of call length and costs using **Call Time** and **Call Cost**.

- Select **Call History > Call Time** to see the various call times. You can view the **Last Call Time**, **Total Sent**, and **Total Received**. You can also reset the timer using the **Reset All Time** option.

- Select **Call History > Call Cost** to calculate your phone bill. You can display the **Last Call Cost**, **Total Cost**, **Reset Cost, Max Cost, or Price Per Unit**.

You can also set **Call Costs' Limit** and the

Price Per Unit. Some of these settings require that you enter a PIN that can be obtained from your service provider.

SMS Counter

To view the number of SMS messages sent and received, do the following:

1. Select **Call History > SMS Counter**
2. Select from either **Sent** or **Received** to Reset the counters.

GPRS Counter

To view the number of SMS messages sent and received, do the following:

1. Select **Call History > GPRS Counter**
2. Use the cursor key to scroll between **Last Sent, Last Received, All Sent, All Received**, and **Reset Counter**.

Options during a call

When a call is in progress, the following options are available:

- **Hold / Retrieve:** Puts a current call on hold or retrieves a call on hold.
- **End:** Ends a call.
- **New Call:** Places a new call.
- **Phonebook:** Displays the phonebook menu. You can use this function to check a contact phone number during a call.
- **SMS:** Displays the messages menu. This is convenient in loud speaker mode if you

want to send an SMS during a call.

- **Voice Recorder:** Starts recording the conversation. To stop recording, select **Stop**.
- **Mute:** Mutes a call.
- **DTMF:** Enables the Dual Tone Multi-Frequency (DTMF), which allows the recipient to hear key press tones.
- **H-Free:** Switches to hands-free (loudspeaker) mode.

Other call options

For other advanced call features, go to the **Settings > Call Setup** submenu. There are features for hiding your number when making calls, call waiting, forwarding calls, barring calls, selecting a line, controlling the time of calls, conveniently redialling numbers, filtering calls, or calling to closed user groups.

These features are discussed in the "Call Setup" section of the Settings chapter in this manual.

Phonebook

Adding contacts

Read this section to learn how to add new contacts to your phonebook

Adding a new entry

Use the **Add New Entry** function to add a new contact to your phonebook.

To add a new entry:

1. From the main menu, select **Phone Book > Add New Entry**, OR

   On the phone's standby mode, enter a telephone number using the keypad, then press the left soft key ⋅ to select **Save.**

2. Select the storage location. Select **To SIM** or **To Phone** then press OK.

NOTE: If you choose to add the new entry to the phone, it will not appear in the phonebook if you transfer your SIM card to another phone. If you choose to add the new entry to the SIM card, you can add only a name and a number.

3. Enter a name and number using the keypad. If you are adding the new entry to the phone, you can also add a home number, office number, fax number, company name, e-mail address, and an associated sound or picture stored in the phone memory. You can also put the contact in a caller group.

NOTE: You can control which fields are available for contact

entries in Phone Book > Option Setting > Fields. See the section "Settings" in this chapter for more information.

Searching for a contact

Read this section to learn how to search for contacts in your phonebook.

Quick Search

Follow these steps to perform a **Quick Find** search:

1. From the main menu, select **Phone Book > Quick Find**.

   A list of all the contacts in your phonebook is displayed in alphabetical order.

2. Use the joystick to highlight a contact. Alternatively, you can enter a search term using the keypad. You don't need to type a whole word. For instance, to look for the entry "office", you may simply type "off".

3. Press the **Call** ⌐ key to call the contact.

   Press Enter key and select Option with the Left Soft Key to delete, save, dial, or edit the contact.

4. Press **Back** to return to the previous screen.

Search Entry

Use the **Search Entry** function to search for a specific entry. Follow these steps to use the search entry function:

1. From the main menu, select **Phone Book > Search Entry**.
   The data entry screen opens.
2. Enter a search term using the keypad. You do not need to type a whole name or word. For instance, if you are looking for the entry "office," you may want to type simply "off."
3. Press the **Enter** key, then select **Search**.
4. Press the **Enter** key again to start the search, or you can also change the text input method and start the search again. The phone displays all entries that satisfy your search criteria.

To change the input method at any time, press the **Enter** key or select **Option** with the Left Soft Key.

Shortcut to contact entries

From the idle screen, you can directly access individual contact entries by pressing a number key, followed by the # pound (hash) key.

For example, if you press **3#**, the third created contact entry in the phonebook appears.

NOTE: Only contacts stored on the SIM card can be added as a shortcut. The number is based on the creation order of the contact entry instead of the alphabetical order. For example, 3 means the third created contact entry.

Copy

You can then select whether to copy the entry to SIM or handset.

You can also select **Option > Move** transfer a SIM contact entry to the Handset, and vice versa.

Deleting Contacts

You can delete individual contacts using the **Delete** function. To delete individual contacts:

1. From the main menu, select **Phone Book > Delete > One By One**

   OR

   From the idle screen press the right soft key ⌐ to open the phonebook.

   The list of contacts in the phonebook appears.
2. Select a contact to delete, then select **Delete**.
3. A confirmation message appears, "Delete it?" Select **Yes** to confirm.

You can delete all contacts from the handset or SIM using the **Delete All** function. To delete all contacts:

1. From the main menu, select **Phone Book > Delete > Delete All**.
2. You are prompted to select a location.

   Select **From SIM** to delete all contacts stored on the SIM.

Select **From Phone** to delete all contacts stored in the phone.

NOTE: When you attempt to delete all the contacts from the SIM or phone, you are asked for a password. The default password is 1234. See the "Security Setup" section in chapter 6 for more information on passwords.

Caller Groups

You can separate contacts into groups to identify them. There are five caller groups: Friends, Family, VIP, Business, and Others. You can change the name of any caller group. You can add contacts from your phonebook to a caller group and you can define ringtones, pictures, etc.

To change the name of a caller group:

1. From the main menu, select **Phone Book > Caller Group**.
2. Use the joystick to highlight a caller group, then press the enter key.
3. Press the enter key to select the current group name at the top of the list.
4. Select Edit using the left soft key ▪ to enter a new name through the keypad
5. Use the right soft key ▪ to clear characters.
6. Press the left soft key ▪ to select **Option > Done** when the new name is complete. Press it a second time to confirm. You can also change the input method here.

To assign an incoming ring tone:

1. Follow steps 1 and 2 of the previous procedure.
2. Scroll down to Incoming Ringtone (second in the list), then use the left/right joystick to choose from the available options.
   Each tone is played as it is displayed. The chosen ringtone will sound when someone from the current caller group calls the phone.

To change the incoming picture:

1. Select the caller group to modify as described in the previous procedure.
2. Use the joystick to select the Incoming Picture option (third in the list).
3. This option determines which picture is displayed when someone from the chosen caller group calls.

NOTE: The picture you select must be smaller than 20 K in size. You can read more about storing images in your camera memory in the Camera section in Chapter 7.

To add or delete members in a caller group:

1. Select the caller group to modify as described in the previous procedure.
2. Use the joystick to select the **Member List** option (last in the list).
3. Press Enter key to display the member list.
4. Use the joystick to highlight a member of the list to modify.

5. Press the **Left Soft Key** to enter the options menu.
6. Use the joystick to highlight the **Add** or **Delete** option.
7. Press the **Left Soft Key** to confirm.

Extra Number

The extra number setting is used to store special numbers. You can store your own number here, a service dial number, and an SOS number.

NOTE: Some of these functions may not be supported by your service provider. The service dial number and SOS number are not configurable and are set by your service provider.

To add extra numbers:
1. From the main menu, select **Phone Book > Extra Number**.
2. Select **Owner Number** to store your own number.
   Select **Service Dial Number** to store a service number.
   Select **SOS Number** to store an SOS number.
3. Select **Option >Edit**
   You can input both text and numbers. When you have finished typing, press the Enter key to confirm.
4. To edit or delete previous entries, select an entry, then select **Option**.

NOTE: SOS numbers vary according to region and service provider. Contact your service provider for details about SOS numbers.

Settings

The phonebook settings menu enables you to view memory status, set the preferred storage media, determine which fields appear in the phonebook, and edit/send a vCard.

Memory Status

To view memory status:
1. From the main menu, select **Phone Book > Settings > Memory Status**.
2. Press OK to display memory status.

Preferred Storage

To set the preferred storage:
1. From the main menu, select **Phone Book > Settings > Preferred Storage**.
2. Use the up/down joystick key to highlight the preferred storage location then press OK to confirm.

Fields

The phonebook fields include additional contact information, such as Home Number, Office Number, Fax Number, Company Name, E-Mail Address,Associate Picture, Associate Video Associate Sound, and Caller Group. You can choose to deactivate these fields for all contacts if this simplifies the phonebook for you. You can later reactivate the fields if desired.

To edit the phonebook fields:

1. From the main menu, select **Phone Book > Settings > Fields**.
   A list of fields is displayed.
2. Highlight a field and select **On** to activate a field or **Off** to deactivate.

My vCard

A vCard is a virtual calling card that you can send to people. It can contain your name, cell phone number, home number, office number, fax number, company name, and e-mail address.

To edit and send your vCard:

1. From the main menu, select **Phonebook > Settings > My vCard**.
2. Select the **Edit My Card** option to fill in the fields. Select the **Send My Card** option to send the vCard by SMS, MMS, or save to a file.

   See the next chapter for more information about sending MMS and SMS messages.

Messages

Read this section to learn how to use the SMS and MMS messaging features of your new phone. You can even send e-mail and use text chat.

This section also covers voice mail features, broadcasting messages, and setting the preferred text input.

NOTE: SMS and MMS messages can be created using a number of text input methods. See section "Preferred Input Methods" on in Settings for more details of how to set the input method.

SMS

An SMS message is a simple text message. You can send and receive SMS messages with your phone.

Composing an SMS Message

To compose an SMS message:

1. From the main menu, select **Messages > SMS > Write Message**.
2. Enter your text message using the alphanumeric keypad. See the section "Text Entry," in the Getting Started chapter for more information on how to type your message.
3. Press the left soft key ⁕ to display the Option menu.
   The Option menu includes the following:
   • Done
   • Use Template

• Insert Object
• Format Text
• Input Method

Objects you can insert can include a picture, an animation, a sound, a phonebook name, or a phonebook number. Some phones may not be able to receive SMS messages that contain anything other than text. Use the Format Text option to adjust the size and style of the text.

1. Highlight an option and press OK.
2. When your message is complete, select **Done** to display the **Send Options** menu.
3. Use the joystick to select a send option: The send options require that you type in a telephone number or press the left soft key ⁕ to search the phonebook.

The Send to Many option lets you send to up to 10 recipients.

The Send by Group option lets you send to an entire group. Choose a group using the joystick and press OK to send.

The Save option saves a copy of the message in the outbox so you can recover it later for editing or sending.

Template

The Template feature contains common text phrases that you can conveniently insert to your message. There are 10 preset common words phrase that you can use or edit.

To add a common words phrase to an SMS:
1. Begin an SMS message as described in the previous section, "Composing an SMS Message."
2. Before typing any text, press the left soft key · to display the **Option** menu.
3. Use the joystick to highlight the **Use Template** option, then press OK to confirm.
4. Use the joystick to highlight the common phrase you would like to add, then press OK to confirm.
   The text from the template appears in the message. You can add to the text, or edit the text before sending or saving the message.
5. Send or save the message.

To edit a phrase in Template:
1. From the main screen, select **Messages > SMS > Template** to display the common words list.
2. Use the joystick to highlight a phrase to edit, then press the Enter key to confirm.
3. Select the Edit option to modify the wording, or select Delete to clear it completely.

The edit screen displays the phrase you chose and lets you change it.

unauthorized access.

To move messages to the Secret SMS folder:
1. From the main menu, go to **Messages > SMS > Inbox > OK**.

Message settings

The Message Settings enables you to configure your SMS message settings. Up to two profiles can be defined that contain message center number, valid period for each message and message type. You can also configure common settings, which include a delivery report and reply path. You can also view memory status and set the preferred bearer.

To configure common settings:
1. From the main menu, select **Messages > SMS > Message Settings > Common Setting**.
2. Select Delivery Report or Reply Path options then select **On** to enable or **Off** disable the feature.
3. When finished, select **Done**.
4. When prompted to save the new settings, select **Yes**.

To check the memory status:
1. From the main menu, select **Messages > SMS > Message Settings > Memory Status**.
2. Press OK to display the **Memory Status**.

The preferred bearer option sets the type of network you prefer. When there is a choice of

a GSM or GPRS network, the phone then uses the network of your preference.

To set the preferred bearer option:
1. From the main menu, select **Messages > SMS > Message Settings > Pref Bearer**.
2. Select the network option you prefer. Select Prefer GSM or Prefer GPRS to set a preference.
   Press OK to confirm your selection.

SMS Counter

There is an SMS counter which can keep a log of the number of SMS messages sent and received.

To view the SMS counter:
1. From the main menu, select **Call History > SMS Counter.**
2. Use the joystick to highlight the **Sent** or **Received** option.
   The number of sent or received messages is displayed.

MMS

MMS messages are similar to SMS messages but they can also contain sounds and pictures.

Writing an MMS Message

Writing an MMS message is not very different from creating an SMS message. MMS messages are made up of slides. Each slide contains a combination of text, image, or audio.

To create an MMS message:
1. From the main menu, select **Messages > MMS > Write Message.**
2. Select the **To** field then select **Edit.**
3. Use the joystick to highlight the **Add Number** or **Add E-mail** option then press the enter key to confirm.
   You can either add an e-mail address or number manually, or press the left soft key ⋅ to search from the phonebook.
4. After you have entered the recipient(s), press OK, then **Done**.
5. Use the joystick to highlight and select **Cc**, and **Bcc** recipients. Enter recipients in these fields in the same way as the **To** field.
6. Use the joystick to highlight the **Subject** field then press the Enter key to confirm.
7. Use the keypad to enter a subject.

To create a slide:
1. To create a slide, use the joystick to highlight the **Edit Content** field then select **Edit**.
   You can enter text in the same way as you would for an SMS message.
2. Press the left soft key ⋅ to display the **Option** menu.
3. Use the joystick to highlight an option and press OK to confirm.
   You can add an image, add audio, attach a file, or change the input method.
4. When your message is complete, select

Done.

You have just created one slide. Repeat the process to add more slides.

To send the MMS message:
1. Press the Right Soft Key to display the **Send** menu.
2. Use the joystick to highlight a **Send** option, then press the **Enter** key to confirm.

Viewing an MMS Message

Some MMS messages are longer than the screen. To move up or down a page, press and hold the up or down joystick key.

Using Templates

Stored on your phone are templates that contain text, images, and sound. You can create MMS messages based on these templates. You can also edit any of the existing templates.

To use a template:
1. From the main menu, select **Messages > MMS > Templates.**
   A list of available templates appears.
2. Highlight a template, then select **Options.**
   Select **View** to preview the template.
   Select **Properties** to view fields and the size of the template.
   Select **Write Message** to send the message.

3. Edit the **To**, **Cc**, **Bcc**, and **Subject** fields as described in the previous procedure.
4. Edit the content if required as described in the previous procedure.
5. Send the completed message as described in the previous procedure.

Message Settings

MMS message settings can be used to set the validity period, delivery report, read report, priority, slide timing, and delivery time.

To configure message settings:
1. From the main menu, select **Messages > MMS > Message Settings**.
2. You can change any setting by highlighting it with the joystick and then using the left and right joystick keys to scroll through the options for each setting.

Chat

You can use your phone to chat with other cell phone users.

To use the chat function:
1. From the main menu, select **Messages > Chat.**
2. Use the joystick to highlight a chatroom from the list, then select **Option**.
3. Press OK to configure Chat Room Info
4. To enter a nickname, select **Edit**, then use the keypad to enter your nickname.

Select **Option > Done** when finished. To enter a Remote Number (the destination number), select **Search**. The phonebook opens. Choose the contact entry, then press OK.

5. When finished, press the left soft key ⋅ to press OK **> Yes** to save your new settings.

6. Use the joystick to select the **Activate** option, then key in your message to start the chat session.

7. Send the message as you would an SMS.

8. When you are done chatting, go back to **Option**, and choose **Quit**.

Email

You can use the phone to send e-mail messages. Before you can use the e-mail feature you must set up an account. Settings such as incoming and outgoing servers are entered in e-mail profiles. Contact your service provider for details about e-mail settings.

To set up an e-mail account:

1. From the main menu, select **Messages > Email > Email Profile**.
   A list of e-mail profiles is displayed.

2. Use the joystick to highlight a profile to use, then press the enter key to confirm.

3. Use the joystick button to highlight the **Edit** option, then press the enter key to confirm.

The profile menu is displayed. Here you can configure profile settings, the outgoing server, the incoming server, and your signature.

4. Use the joystick to highlight the **Profile Setting** option, then press OK to confirm. The Profile Setting menu is displayed.

5. Use the joystick to highlight each field and select **Edit** to change any field, or use the left/right joystick key to navigate available choices.

Once your e-mail profile is complete, you need to activate it.

1. From the main menu, select **Messages > Email > Email Profile**.
   A list of profiles is displayed.

2. Use the joystick to highlight a profile to use, then select **Option**.

3. Use the joystick to highlight **Activate**, then press OK to activate the selected profile.

Once your profile is activated, you can send and receive e-mail with your phone.

Voice Mail Server

You can set up two voice mail accounts on your phone that will take messages for you when you are not able to answer your phone.

To set up a voice mail server:

1. From the main menu, select **Messages > Voice Mail Server**.
   A list of voice mail accounts is displayed.

2. Use the joystick to highlight a voicemail account, then select **Option > Edit** to edit the voice mail details.
3. Type in the voice mail name and number.

You can also connect to a voice mail account here.

NOTE: Voice mail is a service provider feature. Contact your service provider for voice mail numbers and settings or other voice mail assistance.

Broadcast Message

Use the Cell Broadcast option to set cell broadcast parameters.

To set broadcast message parameters:
1. From the main menu, select **Messages > Broadcast Message**.
2. Use the joystick to highlight the **Receive Mode** option, then press the left soft key ⬝ to toggle the setting on or off.
3. Highlight the **Read Message** option then press OK to read stored broadcast messages.
4. Highlight the **Languages** option then press OK; then press the left soft key ⬝ to toggle the **All Languages** setting on or off.
   Use the joystick to check the language options that you want to receive.
5. Highlight the **Channel Setting** option then press OK to confirm.
6. Use the joystick to select, add, edit, or delete channels.

User Profiles

The phone can be set to behave in a number of manners. Each manner is saved as a profile and is designed to be used in a particular environment. For instance, if you are in a meeting you may want your phone to alert you silently when a call comes in.

To select a profile:
1. From the main menu, select User Profiles.
   A list of profiles appears.
2. Highlight a profile from the list, then press the Enter key to activate.

Profile Settings

Each profile can be personalized to suit your own needs.

To personalize a profile:
1. From the main menu, select User Profiles.
2. Highlight a profile you want to personalize, then select **Option**.
3. Use the joystick key to highlight Customize from the list of options, then press OK.
   A list of customizable features is displayed, including tone setup, volume, alert type, ring type, connect notice, answer mode, and extra tone.

4. Select a feature to customize from the list and press the enter key to confirm.
   The feature submenu is displayed.
   For example, for Alert Type, you can select Ring, Vibration Only, Vibra and Ring, Vibra Then Ring, or Light Only.
5. Highlight a from the submenu and press OK to confirm changes.
6. To use a profile, highlight the profile you want to use, then select **Option > Activate**.

Settings

Phone Setup

The Phone Setting menu enables you to configure handset features including time and date, scheduling power on and off, language, preferred input method, default encoding type, shortcuts, greeting text, speed dial, automatic update of date and time, flight mode, and firmware version.

To access the Phone Setting menu:
1. From the main menu, select **Settings > Phone Setup**.
2. A list of phone settings is displayed.

Time and Date

The **Settings> Phone Setup > Time and Date** option enables you to set the time, and also set a time zone by selecting your location and a format for displaying dates.

Set City
1. Select **Settings > Phone Setup > Time and Date > Set City**, then press OK.
2. Use the joystick to find your nearest city and press OK.

Set Time/Date
1. Select **Settings > Phone Setup > Time and Date > Set Time/Date**, then press OK.
2. Use the keypad to enter the hours and minutes.

3. Use the joystick to move between HH: MM and YYYY/MM/DD and daylight saving.
4. Use the keypad to enter the year, month and day.
5. To turn daylight saving on or off use the joystick to highlight the daylight saving area and then use the left and right function to select **On** or **Off**.
6. Press **OK** to return to the Time and Date menu.

Set Format

This function allows you choose from a 12 or 24 hour clock and how the date will appear - choose between yyyy/mm/dd, mmm dd, yyyy, dd, dd-mmm-yyyy, dd/mm/yyyy or mm/dd/yyyy.

Second Time Zone

This function allows you to set a second time zone.
1. Select **Setting> Phone Setup > Time and Date > Set second time zone.**
2. Use the Left Soft Key to select On or Off, Right Soft Key to select which area you want to display.

In idle mode the wallpaper will display two time zones. The first will depend upon your home city, see "Set Home City" in Settings.

Schedule Power On/Off

The phone can be set to turn on or off automatically. The **Settings > Phone Setup > Schedule Power On/Off** option enables you to schedule times to turn power on or off.

You can define up to four power on / off times. Highlight a number from the list using the joystick and select **Edit**.

Use the right and left joystick keys to change settings for each field.

The Status field sets the status of the phone to On or Off at the time of the scheduled power on/off. The Power On/Off field sets whether the phone is to turn on or off. The Time field sets the time for the power to turn on or off.

In the submenu, use the left or right joystick key to move between fields then press OK to set.

Define the status as on or off. Define the event as power on or power off, and define the time.

Language

The **Setting > Phone Setting > Language** option enables you to set the default language used in menus.

Preferred Input Methods

The **Settings > Phone Setup> Preferred Input Method** enables you to set the default input method for entering numbers, or roman alphabet, or Chinese characters.

Refer to the "Text Entry" section of the Getting Started chapter for details on inputting text.

Default Encoding Type

The **Settings > Phone Setup > Default Encoding Type** option enables you to choose the default encoding method.

Display Settings

The **Settings > Display Settings** option enables you to change the theme, wallpaper image, screen saver image, power on/off image, and main idle screen display.

Wallpaper

To set the wallpaper:
1. From the main menu, press **Settings > Display Settings >Wallpaper**.
2. Select the Default option from the wallpaper menu.
3. Use the joystick to highlight an image to use as wallpaper and select **View** to see your selection.
4. Press OK to set.

You can also choose your own picture as wallpaper. Instead of choosing a Default wallpaper, select Custom and browse to the location of the picture.

Screen Saver

To set the screen saver:
1. From the main menu, go to **Settings > Display Settings > Screen Saver**.
2. Use the joystick to highlight the Setting

option, then press OK.

3. Use the joystick to highlight the Status option and use the left and right joystick keys to set the screen saver to On or Off status.

4. Use the joystick to highlight the Waiting Time option and use the joystick left and right keys to set the screen saver waiting time.

5. Press OK to confirm the settings.

Select a screen saver using the Select option in the same way that you selected a wallpaper.

Themes

Themes are color schemes that can be set on your phone. The theme can also be set to change hourly, daily, weekly, monthly, or seasonally.

To set a theme:

1. From the main menu, press **Settings > Display Settings >Themes**.
   A list of themes is displayed.

2. Use the joystick to highlight a theme.

3. Select **Option** to activate the theme, set the theme timer, or set the theme order. Use the joystick to highlight an option and press OK to confirm.
   The Activate option activates the selected theme. The Update Period option defines how often the theme is updated. The Set Order option defines the order in which the themes are updated.

Power On/Off Display

This item allows you to choose the animation display each time you turn the phone on/off. You may choose from the available animations or customize by browsing to the location of the file.

Show Date and Time

Show Owner Number

Show Operator Name

Show Idle Shortcut

You can choose to show or hide these items by using the left soft key.

Clock Type

Choose the type of clock you want: Analog Clock, Digital Clock, and Dual Clock.

Greeting Text

The **Settings > Phone Setup> Greeting Text** option sets a short phrase that appears each time the phone is turned on.

Set the status to On if you want the text to appear, or to Off if you do not want it to appear. Enter or edit the greeting text using the keypad.

Speed Dial

The **Settings > Phone Setup > Speed Dial** option assigns single keys to numbers in your phone book so that you can quickly and conveniently dial those numbers.

Number keys 2~9 can be assigned one speed dial number each. Pressing and holding a key with an assigned speed dial number calls that number.

Before using the speed dial function, set the Enable Speed Dial item to On.

Dedicated Key

You can set the joystick up, down, left, and right keys to launch specific phone functions using the Dedicated Key feature.

To set a Dedicated Key:
1. Select **Settings > Phone Setup > Dedicated Key** from the main menu.
2. Use the joystick to highlight a key to program and press the **Enter** key to select it.
3. Use the joystick to select a function for the key and press the **Enter** key to select it.

When the idle screen is displayed, the dedicated key can be pressed to launch the selected application.

Auto Update of Date and Time

Auto update of date and time is a network service that automatically updates the date and time in your phone when you travel or if daylight savings time is used in your area.

You can enable this feature by selecting

Settings > Phone Setup > Auto update of date and time to take advantage of this service, if offered by your service provider.

To enable this option, highlight the Auto update of date and time option and toggle between On and Off using the left soft key.

Flight Mode

Setting the phone to flight mode disables all call functions to save power consumption and avoid call disruptions while playing media files. Go to **Settings > Phone Setup > Flight Mode** to set your mode preference.

LCD Backlight

To set the backlight timer, press **Settings > Display Setup > LCD Backlight**. Use the joystick to highlight your preference. Press OK to confirm the setting.

Call Setup

The Call Setup menu contains call features that control or restrict the calls you make or receive. There are also features to show or hide your number when making calls, control the time of calls, conveniently redial numbers, or select a line.

The Call Setup menu features include **Caller ID, Call Waiting, Call Divert, Call Barring, Line Switching, Call Time Reminder, Call Time Display, Auto Redial, Closed User Groups.**

Caller ID

Go to **Settings > Call Setup > Caller ID** to withhold your number, so that when you call someone, your number is not shown.

You can choose to activate or deactivate this option, or let the network set the option.

Call Waiting

If your service provider offers call waiting, you first need to enable this feature.
To enable call waiting:

1. Go to **Setting > Call Setting > Call Waiting**. Press OK to confirm.
2. Use the joystick to choose whether you want to activate, deactivate, or query the current status.

To use the call waiting feature:

1. When you receive a call during another call, press the **Call** key ⌣ to receive the second call.
2. Press the **Call** key ⌣ to switch back to the first call or to switch between calls.

Call Divert

With call forwarding, you can divert calls directly to your voice message box when you are busy and cannot take calls. Go to **Settings > Call Setup > Call Divert** to choose from several options.

You can choose to forward all voice calls, or forward if unreachable, if calls are not answered, if busy, or divert all data calls.

Select Cancel to deactivate call forwardingss.

Call Barring

Call barring is a service available through your service provider. This service restricts different types of incoming and outgoing calls. Go to **Settings > Call Setup > Call Barring** to bar outgoing calls, incoming calls, cancel all bars, or change the barring password.

Options for Outgoing Calls include All Calls, International Calls, and International Except Home.

Options for Incoming Calls include All Calls, and When Roaming.

NOTE: A call barring password is required to make changes to call barring settings. Contact your service provider if you do not know your password.

Line Switching

Depending on your service provider and SIM card, you may have more than one line available for use. Although the network automatically assigns a line to you, you may also use this option to select a line to use. This option can be used when line quality differs or when you have difficulty placing a call because of busy lines.

To use line switching, go to the **Settings > Call Setup > Line Switching**. Select the line switching option, then press OK to confirm.

Call Time Reminder

Use this feature if you want to limit the length of your calls. After the time limit specified, your phone sounds a reminder for you.

To set a call time reminder:

1. Go to **Settings > Call Setup > Call Time Reminder**.
2. Select Single if you want to use a reminder just once at a specific time. Select Periodic if you would like a reminder at regular intervals. Select Off if you want to disable this function.
3. A time field appears. Fill in the number of seconds after which a reminder should sound, then press OK.

Call Time Display

Use this feature to monitor or keep track of the length of your calls. When enabled, the screen displays the time length of your calls.

To enable call time display, go to **Settings > Call Setup> Call Time Display**. Select the Call Time Display option. Use the Left Soft Key to highlight your choice between On and Off.

NOTE: Select **Calls > Call Time** to see records of call times. For more information about call times and costs, refer to the section "Call Time/Cost" in the Call chapter of this manual.

Auto Redial

When this feature enabled, the phone automatically redials the number you called if it fails to connect when you call the first time.

To activate this feature, go to **Settings > Call Setup > Auto Redial**. Use the Left Soft Key to highlight your choice between On and Off.

Closed User Group

A closed user group is a service provided by some service providers that permits network access by members of the group only. The **Settings > Call Setup > Closed User Group** option enables you to add closed user groups, edit existing ones, and activate or deactivate them.

To add a closed user group:

1. Highlight the **Closed User Group** option, then press the **Enter** key.
2. A group list appears. Select an empty slot, then select Add.
3. A text entry screen appears. Enter the telephone numbers of group members. You can also input text if desired.

Network Setup

The default network setup in the phone are for automatic detection of the best available lines for the type of content you are sending. Your phone also offers the flexibility to let you manually select various network options to suit your preferences

Network menu features include Network Selection, Preferred Networks, Band Selection, and GPRS Connection.

Network Selection

With the **Settings > Network Setup > Network Selection** option, you can select available networks manually from various service providers, or you can set the network selection option to Automatic and the phone will select a network for you automatically.

Preferred Network

To select a preferred network:
1. Highlight the Preferred Network option, then press OK
2. Highlight the desired network from the list, then press OK.

NOTE: There may be only one network listed, depending on your geographic location. Higher fees may also result from using a network other than that of your service provider.

Band Selection

Depending on your geographic location, one or more bandwidths are available on a GSM network. In the **Network Setup > Band Selection** option, you can set bandwidth preferences.

Select from 900, 1800, 1900, or Dual Band.

GPRS Connection

Some users may prefer to use GPRS network for faster data transmission and support of multimedia files, such as delivery of polyphonic ring tones, color graphics, games, and software.

If a GPRS network is available, you can set your usage preference with the GPRS option.

To set, go to **Settings > Network Setup > GPRS Connection**. Use the joystick to highlight your choice between Always and When Needed, then press OK to set.

Security Setup

The Security Setting menu contains features to prevent information from being accessed or calls being charged to your account. There are password features to protect both your phone and your SIM card in case of loss, theft, or unauthorized use. You can also control the numbers dialed from the phone with Barred Dial.

Security features include SIM Lock, Phone Lock, Auto/Slide Keypad Lock, Fixed Dial, Barred Dial, and Change Password.

SIM Lock

Go to **Settings >Security Setup > SIM Lock** to protects the SIM card from unauthorized use if the phone is stolen or used by others.

Highlight the SIM Lock option from the Security Setup menu and press the left soft key ⌐ to toggle the option to On or Off.

NOTE: This option requires a default password from your service provider. Consult your service provider if needed.

Phone Lock

Go to **Settings > Security Setup > Phone Lock** to provide additional security by locking the handset. Even if the SIM card is changed,

the phone cannot be used until a password is entered to unlock it.

NOTE: The default password is 1122. See the section "Change Password" in this chapter for information on setting your own password.

Auto Keypad Lock

The **Settings >Security Setup > Auto Keypad Lock** option locks the keypad after a specified period of time.

For information on unlocking the keypad, see "Unlocking the Keypad and Slide" on page 8.

Slide Keypad Lock

The **Settings >Security Setup > Slide Keypad Lock** option locks the slide to prevent unintentional usage.

The Slide Keypad Lock option can be set to On or Off.

Fixed Dial

This function limits dialing to the numbers that you specify. Fixed dialing is a service offered by some service providers.

The Fixed Dial option can be set to On or Off and a fixed dial list can be defined.

NOTE: This option requires a password, known as PIN2. Consult your service provider if you do not know the password.

Barred Dial

This function enables you to block dialing of certain numbers. Barred dialing is a service offered by some service providers.

To enable the option, highlight the Barred Dial option from the Security Setup menu and press the left soft key ⚫ to toggle the option to On or Off.

NOTE: This option requires a password. Consult your service provider if you do not know your password. Not all service providers support this function.

Change Password

Go to **Settings > Security Setup> Change Password** to change passwords for SIM card PINs or for the phone.

To change a password:

1. Highlight the Change Password option and press OK.
2. Select the password you want to change: PIN, PIN2, or Phone Lock Code.
3. You are prompted to enter the old password, then enter the new password.

NOTE: The default phonelock password is 1234. Consult your service provider if you have forgotten a PIN password or need further assistance with PIN passwords.

Restore Factory Settings

Go to **Setting > Restore Factory Settings** to restore all settings to factory default, just as they were when you purchased the phone.

To restore factory default settings:

Highlight the Restore Factory Settings option from the Settings menu and press the enter key. All factory default settings are then restored.

NOTE: This option requires a password. Use the default password, 1122, to access this setting.

Camera

The phone is equipped with a high quality camera for capturing still pictures and video.

Taking Photos

To capture still pictures with your phone:

1. Slide to open the cover of the phone. Press the menu button on the keypad to display the main menu screen.
2. Press the menu button on the keypad to display the Main menu, and select Multimedia > Camera.
3. Press the Left Soft Key to enter Camera mode.
4. Point the camera lens at the subject and use the LCD screen to frame your picture.
5. Use the left/right joystick key to adjust the brightness, and the upper/lower joystick key to zoom in/out.
6. Use the center joystick key to take a photo.
7. To save the photo, press the Left Soft Key . To discard the photo, press the Right Soft Key . To send the photo in an MMS, press the joystick center key.

Note: You must save the photo to keep it. Photos which are not saved cannot be retrieved.

Viewing and Managing Photos

Go to **Multimedia > ImageViewer** to view and manage the still images in your album.

To open ImageViewer:

1. While in capture mode, select **Option > Album**, or
   From the main menu, select **Multimedia > Imageviewer**.
   A list of stored images is displayed.
2. To view an enlarged thumbnail, highlight an image and press the enter key. You can browse photos in this enlarged view using the up and down joystick keys.
3. Press the left soft key ⋅ to display the **Option** menu. You can view, forward, rename, delete, and sort photos. You can also set the default storage to handset or memory card.

Photo Capture Settings

The camera can be configured to capture images of different size and quality. You can also capture photos with frames or special effects, take multi-capture photos, use a timer, set the default storage location, or apply advanced settings

To access photo capture settings:

Put the camera into capture mode, as described in the "Taking Photos" section of this manual, then select **Option**.

A list of photo capture settings then appears.

Camera Setting

Use the camera setting option to set the shutter sound, EV, Banding frequency, Delay Timer, and Cont Shot.

To access the Camera Setting menu:
1. While in capture mode, select Option > Camera Setting.
2. Highlight an option to adjust using the joystick.
3. Adjust the values of settings using the left and right joystick keys.

Camera Setting Shortcuts

The number keys also act as shortcut keys for the camera settings. The keys are assigned as follows:

- `1`   Effect Setting
- `2`   White Balance
- `4`   Delay Timer
- `5`   Cont Shot
- `6`   Scene Mode
- `7`   Image Quality
- `8`   Image Size

Press the key repeatedly to change the corresponding setting. For example, pressing 5 repeatedly switches the Cont Shot setting between Off, 1 Shot, 3 Shot, or 5 Shot.

Image Setting

Use the image setting option to set the image size and quality.

White Balance

Select from the six mode: Auto, Daylight, Tungsten, Fluorescent, Cloud, and Incandescence.

Scene Mode

Select Auto or Night as the scene mode.

Effect Setting

Use the Effect option to apply photo effects as you capture photos. For example, you can capture photos with a photo negative effect, alter colors, or make the photo look like a sketched drawing.

Add Frame

Use the Add Frame option to add decorative frames to pictures you capture.

Storage

Use the storage option to set where captured pictures are stored. You can store captured pictures either in the phone (internal) memory, or on a micro SD card (if installed).

Restore Default

Use the Restore Default option to restore all factory default camera settings.

Recording Videos

Follow these instructions for shooting video:
1. From the main menu, highlight the **Multimedia** icon, then press the left soft key.
2. Select the **Video Recorder** option, then

press OK to enter video capture mode.
3. Point the camera lens at the subject and use the LCD screen to frame your video.
4. Press OK or the capture button to begin recording. Press the left soft key ▢ to pause. To stop recording, press the right soft key ▪ **,** or the capture button.

Zoom Function

The phone's video recorder also has a zoom function.

To zoom in on an object, press the up joystick key. To zoom out, press the down joystick key.

You can preview the zoom effect on the phone's screen. A slide bar at the bottom right corner of the screen moves as zoom is applied.

Viewing and Managing Videos

Select the My Video option to view and play the videos in your album.

To open My Video:
1. While in video capture mode, select **Option > To Player**, or
From the main menu, select
Multimedia> Video Player.
A list of stored videos is displayed.
2. Use the joystick to highlight a video, then press **OK** to play.
To pause, press the left soft key; to resume, press the lefet soft key again.

3. To edit files, select **Option**. You can play, forward, rename, delete, or sort files. You can also set the default storage location.

Some video playing features are explained in the following sections.

Full-Screen Mode

While the video is playing, a progress bar and the time elapsed is shown at the bottom of the screen. If you wish to view the video in full-screen mode, press the * key to toggle in and out of full-screen mode.

Rewind and Fast Forward

To rewind, press and hold the left joystick key.

To fast forward, press and hold the right joystick key.

Video Playback Speed

You can select from five different video playback speeds: x 1/2, x 1, x 2, x 4, and x 8.

To select a playback speed, press the left and right joystick keys or the "4" and "6" keys. Use the right key or the "4" key to select a higher speed and the down key or the "6" key to select a lower speed.

The current speed is shown on the lower center

section of the screen.

Volume

To adjust volume, press the up and down joystick keys.

Video Capture Settings

The camera can be configured to capture videos of different size and quality. You can also capture videos with special effects, or set the default storage location to handset or memory card.

To access camcorder settings:

Put the camera into video recorder capture mode, as described in the "Recording Videos" section of this manual, then select **Option**.

Camcorder Setting

The Camcorder Setting includes options related to lighting conditions. There are settings for white balance, EV, Night mode, and AC frequency.

To open the Camcorder Settings menu:
1. While in video recorder capture mode, select **Option > Camcorder Setting**.
2. Highlight an option to adjust.
3. Adjust the value of a setting using the joystick left and right keys.

NOTES: EV stands for exposure value. The EV option enables you to manually raise or lower the exposure value.

The AC Frequency option adjusts for lighting flicker. Select the

frequency of electrical current in your area.

Video Setting

Use the Video Setting option to set the video quality, file size limit, and record time limit. You may also turn the audio on and off, and set the encode format.

To open the video setting menu:
1. While in video recorder capture mode, select **Option > Video Setting**.
2. Highlight a setting to adjust.
3. Adjust the value of a setting using the joystick left and right keys.

Video Setting shortcuts

While on video recorder capture mode, the number keys also act as shortcut keys for the video settings. The keys are assigned as follows:

1	Effect
2	White Balance
4	Night Mode

Effect Setting

Use the Effect option to apply a photo effect, such as a photo negative effect or a color effect, when you shoot a video.
1. While in video recorder capture mode, select **Option > Effect Setting**.
   A list of effects appears.
2. Highlight an effect from the list using the

joystick up and down keys, then press OK to apply the setting.

Storage

Use the default storage option to set where captured videos are stored. You can store captured videos either in the handset (internal) memory, or on a microSD™ card if installed.

To set the storage option:
1. While in video recorder capture mode, select **Option > Storage**.
2. Highlight **Phone** or **Memory Card**, then press OK to confirm.

Restore Default

Use the Restore Default option to restore all factory default video settings.

To restore default settings:
1. While in video recorder capture mode, select **Option > Restore Default**.
2. A message asking you to confirm the action is displayed.
3. Select **Yes** to restore defaults, or select **No** to abort.

Photo Artist

Use the Photo Artist option to edit your captured images, video, and audio files.

Select **Option > Photo Artist** and press the left soft key or OK. The File Manager appears, showing the amount of space occupied by

the handset memory and the DRM. You can start choosing image files from the stored data to be edited; select an image file from one of the handset's folders and then choose to automatically resize it or to prepare it so you can later use it as your LCD clip.

To automatically resize the picture:

Select the picture then choose **Fit Image > Option**.

A list of options is displayed.
- **Save as**: Use the keypad to enter the name you wish to save the file under, then press the left soft key and choose Done or Cancel to save or discard the image, or choose Input Method to select a different text input method.
- **Add Effect**: Highlight an effect from the list using the joystick and press the enter key to view the effect on the picture. Press the left and right joystick key to toggle between effects, and press the left soft key to apply the setting, or the right soft key to discard.
- **Add Frame**: Highlight a frame from the list and press the enter key to see that frame applied to your picture. Use the right and left joystick keys to toggle between frames, and press the left soft key to apply the setting, or the right soft key to discard.
- **Add Icon**: Highlight an icon from the

list and press the enter key to add that icon to your picture. Use the right and left joystick key to change the position of the icon, then press OK to apply. Press the left soft key (Done) when you are finished, or the right soft key (Cancel) to discard.

- **Add Text**: Use the keypad to enter the text you want to add under your picture, then press the left soft key and choose Done or Cancel to save or discard the image, or choose Input Method to select a different text input method.
 When you have pressed Done, you can start changing the text color, the border color, the shadow color, the font, and the font size. You can also italicize the text. When you are finished, press the left soft key (OK). Use the right and left joystick key to change the position of the text, then press the enter key to apply. Press the left soft key (Done) when you are finished, or the right soft key (Cancel) to discard.

- **Adjustment**: You can choose either to adjust the image or the color. Highlight one of the two choices from the list and press OK. Adjust your image's brightness, contrast, saturation, and hue. Press Done or Cancel, then press the left soft key to apply the setting, or the right soft key to discard.

- **Flip**: Use the joystick keys to flip the image horizontally or vertically. Press the left soft key to apply the setting, or the right soft key to discard.

- **Expand Canvas**: You can choose to expand the canvas to full screen size here. Press Yes to apply the setting, or No to discard.

- **Help**: Open the Help menu for easy instructions on how to use Photo Artist.

To create an LCD clip:

1. Select the picture and then choose **Fit Screen > OK > Option**.
 A list of options is displayed. Refer to the previous section on automatically resizing the picture for details.

Multimedia

Camera/Video Recorder/ Video Player

These functions can be accessed from the Multimedia menu. See "Camera" for more details about how to use the camera and video recorder functions.

Image Viewer

The Image Viewer is an application that lets you view and manage images stored on your phone. To access the Image Viewer, select **Multimedia > ImageViewer**. A list of stored images is displayed. Use the joystick to select an image and press the Enter key to display it.

Image Viewer Options

Press the Left Soft Key while using the Image Viewer to display the Options menu.

View

Displays the currently selected image.

Browse Style

Defines the image browsing style as either List or Matrix.

Forward

Sends the currently selected image to another application, e.g. wallpaper.

Rename

Renames the current image.

Delete

Deletes the current image.

Delete All files

Deletes all images.

Sort

Sorts images by name, type, time, or size.

Storage

Defines the default storage medium for images.

Audio Player

The phone is equipped with a high quality audio player for digital music files.

To start the audio player:

1. From the idle screen, press the left soft key ⋅ display the main menu.
2. Use the joystick to highlight the Multimedia icon.
3. Press OK to display the Multimedia menu.
4. Use the joystick to highlight the Audio Player option from the list and press OK to confirm.

   The audio player opens.

5. Select **List** to open the Main Menu, which displays a list of available digital music files sorted according to play list, album, artist, genre, and song. The phone generates a playlist of the MP3 files located in the Music folder

6. Use the joystick to highlight your desired item and music file to play and press OK to select it.

7. The Enter button and the up, down, right, left joystick keys act as play controls. When you push a key, the corresponding on-screen symbol lights up.
   Joystick key assignments are as follows:
   • Up joystick: Increases volume
   • Down joystick: Decreases volume
   • Left Joystick: Previous song
   • Right Joystick: Next song
   • OK button: Play/pause

NOTE: You can plug an earphone to the earphone socket on the left side of the phone to listen to music files.

Adding music files to your handset

To add music files to your phone you must first connect the phone to a computer with digital music files.

1. Connect the phone to the computer USB port using the USB cable provided. The Mass Storage window appears. Press OK to continue. The phone shuts down.

2. When the phone is connected to the computer it will appear in Windows® Explorer as two removable disk drives. One drive is the internal phone memory and the other is the microSD™ card if installed.

3. Drag and drop your digital music files to the My Music in the internal phone memory, or the Music folder in the microSD™ card memory. If you add files to folders other than these, you will not be able to play them with the phone's audio player.

Editing Music Files

You can play a file, view file details, set a file as a ringtone, add or remove files, or control other settings related to the playlist, the list of songs played by the audio player.

To edit music files:
1. From the main menu, select **Multimedia > Audio Player > List.**
2. Highlight a file, then select Option. A list of editing options appears.

To add or delete files, you must set Option > Settings to Deactivate as described below.
Note: To view the ID3 tag of an MP3 file, select the **Detail** option.

List > Option > Settings contains settings to control the playlist and the appearance of the audio player. Select from the following options. Use the right and left joystick keys to toggle

settings:

- **Play List**. Set the location of the playlist as either handset or memory card.
- **List Auto Gen.** When set to Activate, a playlist is automatically generated from music files on your phone or memory card. The playlist is created in the Audio folder of the handset or memory card.
- **Skin**. Select from three different skins, or outward appearances for the audio player.
- **Repeat**. Select One to loop, or repeat, the current song. Select All to repeat all the songs in the playlist.
- **Shuffle**. Select Activate to randomly repeat songs in the playlist. Select Deactivate to play the songs in order.
- **Background Play**. Select Background Play to continue listening to music files even if you leave the media center to use other menu functions. Music stops, however, for playing games or for making phone calls.

Sound Recorder

You can record your own audio clips and store them on your phone. You can even use your recordings as ringtones or alerts.

To record an audio clip:

1. Select **Multimedia > Sound Recorder.** A list of stored audio files is displayed.
2. Press the Left Soft Key to display the options menu.
3. Select the **Record** option and press the Enter key. Recording begins immediately. Press the Right Soft Key to end the recording or the Enter key to pause.
4. When you have stopped recording, the Save screen is displayed. Press the Left Soft Key to display the save menu.
5. Select **Save** and press the Enter key to save the audio file.

Note: The Sound recorder can also be used to play, append, rename, or delete an existing audio file from the Options menu. The options menu can also be used to delete all audio files or change the record settings (file format and preferred storage option).

FM Radio

The phone is equipped with FM Radio function.

To activate FM Radion function:

1. Plug the earphone supplied to the earphone socket and select **Multimedia > FM Radio** from the main menu.

Note: You can also activate FM Radio function by holding down the ⓐ key.

2. Press center joystick to activate the radio.
3. Press the up/down joysticks to search channels. Hold the up/down joysticks to automatically search channels.
4. You can also go to **Option > Manual Input** and enter the frequency of the channel you want to go to. Use the "#" key to enter ".".

Note: Make sure to plug the earphone to the earphone socket

on the left side of the phone before you listen to FM radio.

Radio Option

Multimedia > FM Radio > Option contains functions including Channel List, Manual Input, Preset Auto Search, Settings, Record, Append, and File List

Channel List

You can save your favorite channels in Channel List.
1. Go to Option > Channel List.
2. Press Option to edit the channel name and the frequency, then press OK to save the list.

Preset Auto Search

This function automatically search the available channels and save them in the Channel List.
1. Go to Option > Preset Auto Search, then press the Left Soft Key to select OK.
2. A "Preset List" screen pops up. Select Yes to start the function. Then, available channels are saved in the Channel List.

Other Radio Settings

Option > Settings allows you to select the Background Play, Record Format, and Record Storage. Use the left/right joystick keys to toggle settings:

- **Background Play**: Select Background Play to continue listening to radio even if you leave the media center to use other menu functions. Radio stops, however, for playing games or for making phone calls.
- **Record Format**: Save the recoded file as AMR or WAV format.
- **Record Storage**: Set the location of the recorded file as either handset or memory card.

Record

Select Option > Record and the phone starts recording the radio. Press the Left Soft Key to pause recording, and the Right Soft Key to stop recording. After entering the file name, press Option to save the file. The recorded file will be saved in the Multimedia > Option > File List.

Schedule FM Record

You can set the recording time to record your favorite broadcasts.

1. Go to **Multimedia > Schedule FM Record** and press the Left Soft Key to edit related settings.
2. Use the up/down joystick keys to toggle settings.
3. Highlight fields to edit. Enter new values using the keypad or use the left/right joystick keys to navigate through the available options.

Melody Composer

Use the melody composer to create midi tunes of your own. You can also edit existing midi files on your phone.

To create a new tune:

From the main menu, select **Multimedia > Melody Compose > Add**.

A blank music staff is displayed.

- Use the keys 1-7 to enter notes C-B.
- Each note can be pushed up or down an octave by highlighting it with the joystick and then using the joystick up down action to move it up or down.
- Sharpen a note by highlighting it with the joystick and then pressing the # key.
- Change the length of a note by highlighting it with the joystick and pressing the * key.
- Add a rest using the 0 key.

- Add a vibration effect by pressing ⬜. This effect is marked with a phone icon on the staff.
- Add an effect to turn the screen on and off by pressing ⬜. This effect is marked by a sun icon on the staff.
- If you would like to edit your tune by turning off the vibration or screen on / off effects, select the effect on the staff, then press the down joystick key to deactivate it. An "x" then appears on the effect. Press the up joystick key to reactivate.

You can play your tune at any time from the Option menu. From the Option menu, you can also select an instrument to play your tune, adjust the speed, and save your work.

Organizer

The organizer menu gives you access to a number of features including calendar, alarm task list, world clock

Calendar

The calendar function helps you keep track of day-to-day tasks.

To open the calendar:

1. From the main menu, select **Organizer > Calendar**.
2. The calendar is displayed.

Dates with tasks appear framed in red.

To select a date on the calendar:

1. Use the joystick to highlight a specific date on the calendar, OR
   Select **Option > Jump to Date** and enter the year, month, and day. The selected date then appears highlighted on the calendar.
2. Select **Option** to view options for that date.

Options include viewing tasks entered for that day and jumping to another day.

To access tasks:

1. Select a calendar date as described in the previous procedure.
2. Select **Option > View Tasks**
3. Highlight a task, then press OK

to view details, OR
Select **Option** to view the Option menu. The Option menu enables you to view, add, edit, delete, or send a task.

See the "To Do List" secion in this chapter for more information about tasks.

To Do List

You can create a list of tasks for a date on the calendar. Access Tasks List from the Organizer menu, or the Calendar tool, as described in the "Calendar" section of this chapter.

To access the Tasks List:

1. From the main menu, select **Organizer > To Do List**.
   Stored tasks are then displayed.
2. Select **Add** to add a new task. There are fields for date, time, content, and alarms. Select date and time fields using the joystick keys, and modify the fields using the keypad.
   Select **Note > Edit**. A text entry window opens to enter information about the task(s) for this date. Select **Option > Save** to save the content.
   The Alarm Notify field activates or deactivates the alarm. Select **Activate** or **Deactivate** using the right and left

joystick keys.

If you chose to activate the alarm, set a frequency for the alarm in the **Repeat** field. Select Once, Everyday, Day (Monday through Friday), Weekly, or Monthly, using the right and left joystick keys.

3. To edit a task, highlight a task from the list then select **Option**.
4. Highlight an option from the option menu and press OK to confirm.

To enter a recurring daily, weekly, or monthly task:

1. Follow the steps described above to add or edit tasks.
2. In the date field, enter the date you would like the recurring task to begin.
3. In the **Alarm Notify** field, select **Activate**.
4. In the **Alarm Type** field, select Every Day, Days (Monday through Friday), Weekly, or Monthly.

   The task is then recorded for all relevant dates after the starting date. These dates appear framed in red in the calendar.

Alarm

The phone can function as an alarm clock. You can set up to three alarm events.

To program an alarm.

1. From the main menu, select **Organizer >**
Alarm.

A list of alarms is displayed.

2. Highlight an alarm to program then select **Edit**. The Set screen is displayed.
3. Highlight fields to edit. Enter new values using the keypad or use the left right joystick action to navigate through the available options.

The **Repeat** function defines whether the alarm sounds once, at the same time every day, or on specific days.

The **Audio Options** function allows you to select a ring tone or the FM channel for the alarm.

Press the left soft key ⬚ to stop the alarm or the right soft key ⬚ for the five minute snooze function.

World Clock

The world clock function enables you to see the time in various major cities of the world.

To open the world clock:

From the main menu, select **Organizer > World Clock**.

The World Clock is displayed.

The clock displays a map and the current time in your own location. You can move the location east or west using the left or right joystick keys.

Services

The Network menu gives you access to wireless services, such as WAP web browsing or WAP push.

Service Provider Settings

The service provider settings are dependent upon your service provider. If you have any questions about your service provider settings, see your service provider for details. To access Service Provider Settings:

1. From the main menu, select **Services > Service Provider Settings**.
2. Highlight an option to change.
3. Press OK to change the highlighted setting.

WAP

Use the WAP menu to set the homepage, bookmarks, view recent pages, enter an internet address, service inbox, and change settings.

To open the WAP menu:

1. From the main menu, select **Services > WAP**.
2. Highlight an option to change.
3. Press OK to change the highlighted setting.

Browsing WAP pages

Browsing WAP pages is much like browsing web pages with your computer. However, rather than using a mouse, you navigate with the joystick keys and with the OK key.

Scrolling

Some WAP pages are longer than the phone's screen. To scroll up or down a page, press and hold the up or down joystick key.

Viewing Links

Web links appear as colored or underlined, just as on a computer. To view a link, press OK.

WAP Settings

Many important WAP settings are dependent upon your service provider's system setup. Contact your service provider for details.

If, as part of your WAP settings, you need to change the WAP proxy IP address, refer to the following instructions.

Changing the WAP Proxy IP Address

One or more WAP profiles should already be set up before changing the IP address.

1. Select **WAP > Setting > Profiles**. A list of available profiles appears.
2. Select a profile, then press OK. The selected profile is activated.

You can also highlight a profile then select **Option**. You can then either select **Activate Profile** or **Edit Profile**. If you select **Edit Profile**, you can view and edit the profile settings.

To edit proxy IP address:

1. select the field **Connection Type >** then select either **Connection - orientated, Connectionless or HTTP** depending on the operating settings.
2. Press the **OK** button.
3. Use numeric keypad to enter the IP Address.
4. Select **Done** with the **Right Soft Key**.
5. Select **Done** again and you will be asked if you want to save. Use **Left Soft Key** to select Yes or **Right Soft Key** to select No.

Data Account

The **Services > Data Account** option displays a list of available network services.

To view data account information:

1. Select a network type, **GSM Data** or **GPRS**, to view a list of available data accounts for each type of network. These data accounts contain access details for available service providers in your area.

2. Highlight a data account from the list, and press OK to view details, including account name, APN, user name, password, and Authority type.

Note: Your service provider will provide the information necessary to make the connection, including APN, user name, password, and authority type.

Fun & Game

The Fun and Games option includes games. To display the Fun and Games menu Select the Fun and Games icon from the main menu.

Games

The following games are preloaded on your phone:

- Panda - Control the panda to attack enemies or prevent touching them.
- Friut - Control the chef to cut all the fruits and avoid fruits not in pieces or rocks reach shakers.

To start a game:

1. From the main menu, select Fun and Games > Games.
2. Highlight a game from the list displayed and press the Enter key to launch it.

Game Setting

You can alter a number of Game settings and view the resources available to Games applications using the Game Setting option.

To open the Game Settings menu:

1. From the main menu, select **Fun & Game > Game Setting**
2. Highlight an option to change.
3. Use the right and left joystick keys to change the setting.

Extra

The Extra menu gives you access to a number of useful applications including the Bluetooth, Calculator, Unit Converter, Currency Converter, Health, and Skype.

Bluetooth

The phone includes Bluetooth functionality to connect wirelessly with other Bluetooth devices. To display the Bluetooth menu, select Extra > Bluetooth.

Power

Turns the Bluetooth power on.

Inquiry Audio Device

Use the joystick and highlight this selection, press the left soft key to search for a available device.

Remote Control

Use this function and you can control desktop, mediaplayer, or presenter with this phone as wireless mouse and keypad.

Either pairing your phone to the computer, or the computer to the phone via bluetooth connection, and then activate the Remote Control function.

Desktop

Use the remote control function under Desktop, you can use the phone to open or close a file, and can explore the PC just like mouse and keyboard.

MediaPlayer

Use the remote control function under MediaPlayer, you can play musics or movies by pressing the keys on the phone.

Presenter

Use the remote control function under Presenter, you can easily present a PowerPoint file with phone keys.

My Devices

Displays a list of Bluetooth devices to connect to. Press the Left Soft Key, and from the Options menu you can Connect/Disconnect to the selected device, Rename the selected device, Delete the selected device, or inquiry new devices in range.

Active Device

Press the Left Soft Key and you are able to see those devices connected to this phone through bluetooth connection.

Setting

Configures your Bluetooth parameters to do the following:

Turn on/off the Visibility,

Change Device Name,

Turn on/off the Authentication,

Select the Audio Path, or

Change the FTP Setting.

Calculator

The phone includes a calculator function. To use the calculator:

1. From the main menu, select Extra > Calculator.
   The Calculator is displayed.
2. Use the keypad to enter numbers and the up, down, right, left joystick keys to select the +, -, / , ? functions.
   Press the Enter key to select =.
3. Press twice on the up, down, right, or left joystick keys to access memory functions:

- m+: Select m+ then press the enter key to add a number to memory. Select m+ to add the number stored in memory.
- m-: Select m- to subtract the number stored in memory.
- mc: Select mc then press the Enter key to clear memory.
- mr: Select mr to retrieve and enter the number in memory.

The number stored in memory appears in [brackets] at the top of the screen. Note that most of the functions are selected with the joystick alone, with no need to press OK or the Enter key.

Numbers are cleared from memory once you exit the calculator.

Press the # key to enter a decimal point.

Unit Converter

The Unit Converter is a useful tool to convert weights and measures from imperial (pounds, feet, and inches) to metric or metric to imperial.

Weight

Use the joystick to highlight Weight and press the Left Soft Key to enter. Use the joystick to select between two converting types:

- From Kg to Pound,
- From Kg to Ounce.

After the converting type is select, highlight the Kg line and enter the number. Press the Left Soft Key and the converting outcome will appear in the Pound or Ounce line. Press the Right Soft Key to clear the input.

Length

Use the joystick to hightlight Length and press the Left soft Key to enter. Use the joystick to select between three converting types:

- From Km to Mile,

- From M to Yard,
- From M to Foot,
- From Cm to Inch.

After the converting type is selected, hight the first line and enter the number. Press the Left Soft Key and the converting outcome will appear in the second line. Press the Right Soft Key to clear the input.

Currency Converter

The currency exchange is a useful tool to help you convert one currency to another or back again.

To use the Currency Converter:

1. Use the joystick to hightlight the Currency Converter item, and press the Left Soft Key to enter.
2. Enter a rate of a foreign coin, and press the Left Soft Key again.
3. Use the joystick to select the converting ratio, and use the joystick to hightlight the Local line, entering the number, and press the Left Soft Key again.
4. The converting outcome will appear in the Foreign line.

Shortcuts

You can create shortcuts that access specific features directly.

Creating a shortcuts list

To access to Shortcuts:

Go to Menu > Shortcuts, and press the Left Soft Key to enter. Several shortcuts will be shown on the screen.

To edit the shortcuts list:

Press the Left Soft Key and you can **Add**, **Edit**, **Delete**, or **Delete All** shortcuts. Also, you can **Disable** the Shortcuts function or **Change Order** of the selected shortcuts.

Creating joystick shortcuts

You can change the quick access functionality of the joystick by the following steps:

1. Go to **Settings > Phone Setup > Dedicated Key**.
2. Press the Enter key on either Up, Down, Left, or Right, to access the list of applications that the joystick position can be assigned to.
3. Highlight the item you want and press the Enter key to accept the choice.

File Manager

The File Manager can be used to view and manage files stored on your phone. To open the File Manager, select File Manager from the main menu.

Select either the **Phone** or **DRM Rights** option from the File Manager menu.

Phone

The Phone menu is used to manage files stored on the phone.

Open

Select **Open** opens the File Manger and you can browse folders stored in phone memory. A list of folders is displayed. Highlight a folder and press the Enter key to open it.

Create Folder

The **Create Folder** option lets you create new folders in the phone memory.

Format

The **Format** option formats the phone memory and all files will be deleted when this option is used.

DRM Rights

The DRM rights folder in File manager is the place to keep DRM content's rights object. Users cannot change it, but can only delete it. To see the details of the DRM object, highlight the DRM content file and select Option > Detail.

Handset Manager

The Handset Manager is a powerful software tool to link your mobile phone and your computer. Use the Handset Manager to send files from your computer to your phone, including music, ringtones, pictures, and java games. Stay organized by managing and synchronizing your phone's contacts and calendar with your computer. Compose text and multimedia messages quickly and comfortably on your computer, then transfer them to your phone to send.

This user guide gives an introduction to basic functions of the Handset Manager. For additional information, consult the online help files included with the Handset Manager.

Installing the Handset Manager

Ensure that the following system requirements are met:

Software:
- Microsoft® Windows® 2000 or above system

Hardware:
- USB 2.0 port
- CD-ROM driver

You can also edit voice mail details or connect to a voice mail account here.

NOTE: Voice mail is a service provider feature. Contact your service provider for voice mail numbers and settings or other voice mail assistance.

To install the Handset Manager software:

1. Insert the software CD into your computer to start installation.
2. On the start-up page, select the mobile phone model and interface you wish to install.
3. Turn on the phone and connect it to the computer using the supplied USB cable. When you turn on the phone, the phone prompts you to select a type of USB connection. Press the right soft key.
4. Click Install Handset Manager.

NOTES:

- Make sure the mobile phone is switched on and correctly connected with the USB data cable before installation.
- Most systems already support USB. However, if your system does not, install a USB driver before installing the Handset Manager software.
- To uninstall software, click the Add/Remove Programs icon in the control panel. Select the Spice S-900 USB-Handset Manager from the list. Click the Remove button and follow the instructions on screen.

Starting the Handset Manager

To start the Handset Manager:

1. Connect your handset to a USB port on your computer using the supplied USB data cable, then turn on your handset.
2. A list of connection types appears in the handset window. Press the right soft key.
3. Select Spice S-900 USB-Handset Manager > Spice S-900 USB-Handset

Manager from the computer's program list, OR

Right click the 📱 phone icon in the system tray in the lower right corner of the screen. Select Handset Manager.

4. An animation in the Handset Manager main panel shows your connection status.

NOTES:

• Be sure to unplug the USB cable after use. The computer may not boot as usual if you start the computer with the phone's USB cable connected.

• When disconnecting the mobile phone from the computer while using Handset Manager, first turn off the handset, then disconnect the USB cable. When transmitting data to the Handset Manager, don't disconnect the handset.

• While transmitting and editing data, don't operate the phone and Handset Manager at the same time.

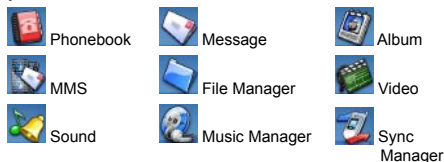• Don't install Java Games through Handset Manager while simultaneously playing Java games in the mobile phone

Main Panel

The following illustration shows the main panel. Access all the Handset Manager functions from this Panel.

Access the Handset Manager tools by clicking on the icons at the bottom of the screen. Each tool has its own interface, which opens when you click on the icon.

📇 Phonebook   📩 Message   🖼 Album

🗂 MMS   📁 File Manager   🎬 Video

🔊 Sound   🎵 Music Manager   🔄 Sync Manager

Clicking the three buttons in the upper right corner of the main Handset Manager panel does the following:

✖ Closes Handset Manager and minimizes the system tray.

�– Minimizes Handset Manager to the task bar.

❓ Opens online help and settings.

Settings, Information, and Online Help

You can access several items related to settings, information, and online help by clicking on the ❓ icon.

• Select Help Topics to open online help. You can also open online help from the program list: Spice S-900 USB—Handset Manager> User's Guide.

• Under Settings, you can select whether to run the Handset Manager automatically when you start the computer. You can also set the computer port, handset model, and interface type manually here.

- Select Handset Version to see the model name and firmware version of the phone, when the phone is connected. Select About Handset Manager to see the version of Handset Manager installed in your computer.

Navigating the Handset Manager Tools

No matter which Handset Manager tool you are working with, you can access functions and commands in the following three ways. The Messages window is shown as an example.

1. Right-click to bring up the pop-up menu or click icons on the menu toolbar, OR
2. Click on the ☰ File button in the upper left corner to choose from a drop-down menu, OR
3. Click on the icons in the upper right of the window.

When you move the mouse over an icon, a pop-up window tells you the name of the button.

File button   Icons for functions

Messages Window
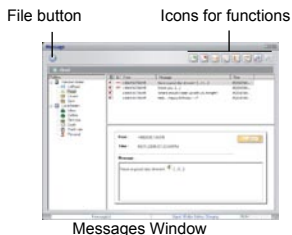
NOTE: You must exit one tool before launching another.

Navigating Media Files

The interfaces for media tools—MMS, Sound, or Album and Video —are quite similar. The Album interface is shown here.

Preview pane
Phonefile location
Phone files
Icons for functions
File path / browse icon
Thumbnails of computer files

Album Window

- The left preview pane shows a preview of the files you select. A drop-down menu on the left lets you select the location of phone files. Select Handset or Memory Card.
- Thumbnails of files in the phone are shown in the lower left pane.
- Icons in the upper right corner give access to various functions, such as copy, paste, and delete. Also in the upper right, a frame shows the current file path, next to the ▭ browse icon. If you want to choose another file location, click this icon. The browse icon and drop down menus give you access to computer files only.

- Thumbnail views of computer files in the selected location are shown in the lower right pane.

Transferring Files to and from the Handset

- To edit a file in your handset, download the file to your computer by clicking on the 🔽 Download icon in the upper right. The download function does not save the file on your computer. To save the file on your computer you first download it as described above and then right-click and select Save from the dropdown menu. You can then save the file to a specific location on your hard disk.
- To add a file to the handset, click on the 🔼 Update icon.
- To refresh the folder display click the refresh icon 🔄.

NOTES:

- As used in the Handset Manager software, the term update has the same meaning as upload.
- You do not necessarily need to select a folder on the phone's handset or miniSD card. The Handset Manager automatically locates the appropriate folder for the file type.

Handset Manager Folder Location

The Handset Manager creates a default folder in the My Documents folder in Windows. Find this folder in My Documents > Mobile Action > Handset Manager. There are also sub-folders for the different types of files you can work with in the Handset Manager.

NOTE: To locate handset files using the handset screen, go to Organizer > File Manager.

Handset Manager Icon

A Handset Manager icon appears in the system tray, even when the Handset Manager is minimized. By right-clicking the Handset Manager icon in the system tray, you can select the following Handset Manager functions: Handset Manager, SyncManager, SyncManager Settings, and Exit.

The appearance of the icon in the system tray indicates the current status:

📱 Handset Manager is connected with the handset.

📱 SyncManager has launched auto-synchronization.

📱 The handset is disconnected from Handset Manager.

NOTE: When you close the Handset Manager window, the application remains running in the background. To completely exit Handset Manager, right click and select Exit.
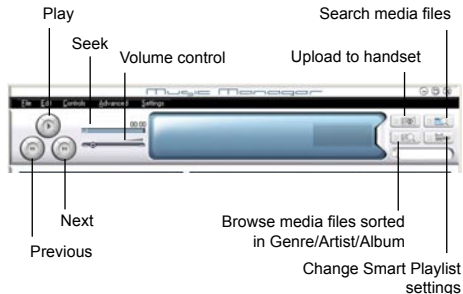
Music Manager

The Music Manager allows you to transfer and organize media files conveniently. You can create playlists, upload, maintain, and playback digital music through an easy-to-use interface.
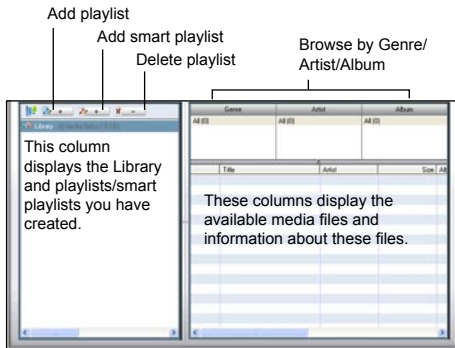
To launch the Music Manager, simply launch the Handset Manager from your desktop and on the main panel, click the Music Manager icon.

Main control panel

Play

Seek

Volume control

Upload to handset

Search media files

Previous

Next

Browse media files sorted in Genre/Artist/Album

Change Smart Playlist settings

Control panel columns

Add playlist

Add smart playlist

Delete playlist

Browse by Genre/ Artist/Album

This column displays the Library and playlists/smart playlists you have created.

These columns display the available media files and information about these files.

Music Manager gives you two options to manage your media files. A **Playlist** contains files from the Library while a **Smart Playlist** allows you to manage media files in a playlist based on advanced conditions.

Creating a new playlist/smart playlist

1. Click the add playlist/smart playlist button.
2. Drag media files from the library or an existing playlist to the target playlist/ smart playlist.

NOTE: For information on how to edit or manage playlists/ smart playlists, refer to the Help file in the Handset Manager application.

Uploading files to the handset

To upload files to the handset:

NOTE: Make sure the handset is turned on and the device drivers are installed.

1. Launch Music Manager.
2. Plug one end (type A) of the USB cable to the PC, then plug the other end (type B) to the USB port on the handset. Music Manager detects the handset connection.
3. Right-click on a file or playlist, then selct **Upload to Handset**.
   You may also drag a file or playlist directly to the handset window at the bottom of the control panel.
4. The handset will power on while leaving the Music Manager. Press the right soft key for Com port connection.

Important notes

Phonebook

If you are using Microsoft® Outlook or Outlook Express, and you do not need to edit contact entries or manage contact fi elds, you may choose to automatically synchronize contact or calendar information using the SyncManager.

Message

- Use **Upload** and **Download** functions to conduct the SMS synchronization.
- Store the SMS messages in any folder in the Local Folder. Messages to be moved to the mobile phone should be placed in the **Unsent** folder.
- Use **Insert Objects** to add the MIDI ring tones or animations to the message.
- If you have performed phonebook download, when editing the message, you can click **Receiver** to send the message directly by selecting the names.
- The EMS pictures in **My Album** can be inserted.
- This mobile phone supports EMS messages. However, pictures, MIDI or animations added in the message may not be displayed properly on devices that do not support EMS messages.

Album

- Pictures saved as main wallpaper will be re-sized to 176 x 220 pixels automatically.
- Select a phone file location from the drop-down menu. The picture file will be transferred to a folder called **Images**.

MMS

- MMS messages uploaded to your phone can only be saved in the **Saved Items** folder. You cannot use File Manager to upload or download MMS files.
- Do not use the Handset Manager MMS

function while the handset is in the MMS menu or sending and receiving MMS."

File Manager

- You need to select the appropriate folder for the file type. For example, if you want to transfer a video file to the handset, you need to select the Video folder in the handset. When transferring to the phone, a file transfer will not be completed if the location does not match the fi le type.
- The default folder for Handset Manager files in the computer is in the **My Documents folder: My Documents > Mobile Action > Handset Manager**.
- When dragging and dropping, the icon ⃝ means files cannot be dropped to a destination.
- When dragging and dropping, the icon ⃠ means files can be dropped to a destination.
- Large files may take a few minutes to move. To reduce the transfer time, you may use the handset as a mass storage device instead.

  Follow these steps to use your handset as a mass storage device:
1. Connect the handset to a USB port on computer using the supplied USB data cable, then turn on your handset.
2. A list of connection types appears in the handset window. Select Mass Storage.

3. Select **My computer > Mass Storage**, and select from Audio, Images, Photos, Video folders to store your file.

- When installing Java games, download "Java Game.jar" from the Internet to the handset's Java installation folder. When the installation is successful, a message indicates that the installation is successful.

Video

- You can select storage devices for the phone in the Video folder from the left of the window.
- Right-clicking on the window of the phone and selecting **Download** is just to allow this software to read the selected picture file rather than saving it. To save the picture file, right-click and select **Save** to save the file in the desired folder.
- Click the refresh icon to update the status of the folder
- The files saved in the phone will be converted to .3pg format automatically.
- The picture file will be transferred to a folder called **Video**.

Sound

- The handset must be connected to the computer in order to save an MP3 clip or update an MP3 clip to the handset.
- You may save MP3 ringtone files in any location on your computer, though saving to the assigned Handset Manager folders may be a convenient way to keep files organized. When you update MP3 files, the files are automatically assigned to the correct location in your handset.
- The file will be transferred to a folder called "**Audio**.

Appendix

GPRS Internet Setting SOP

A. Hardware Connection

1. Make sure the handset is currently in Standby mode.
2. Insert one end of the **USB Data Cable** into the handset's system connector port, and the other end to your PC's USB port.
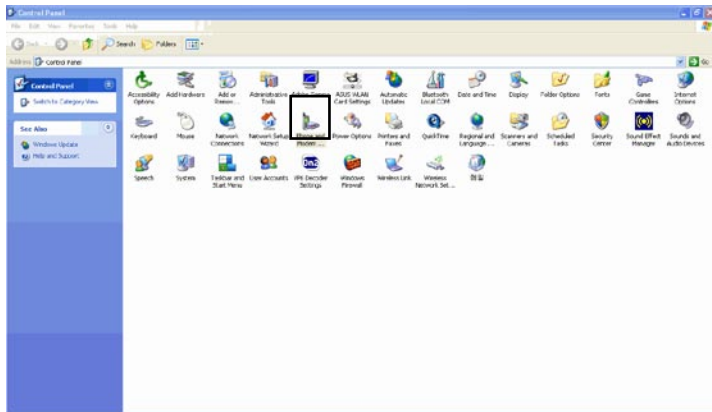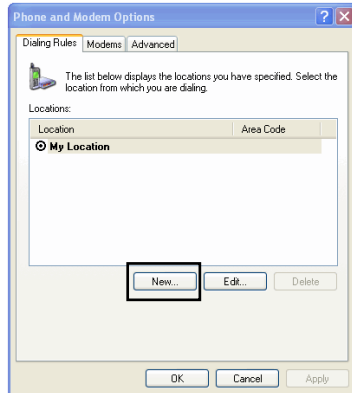3. From the handset, choose **COM Port** and then click **Ok**.
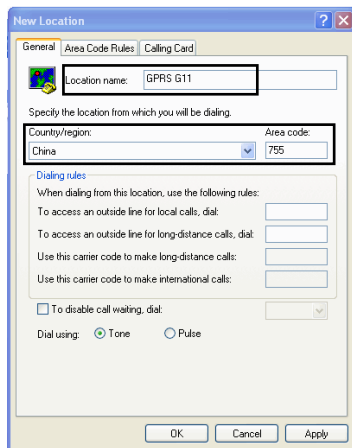

B. Software Setting

1. From your PC, double click **Phone and Modem Options** in **Control Panel**.
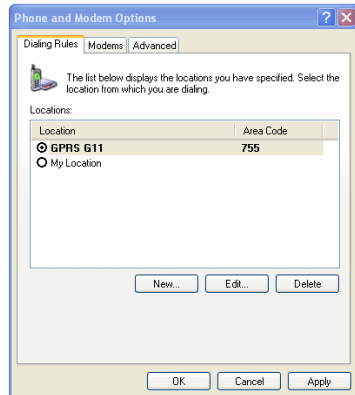
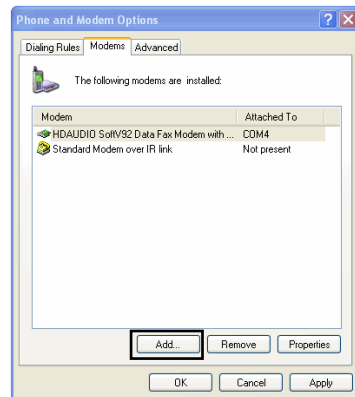2. **Phone and Modem Options** window appears. Click **New**.

3. Create a name for **Location Name** (eg. GPRS G11) and add the **Area code** according to your present location. (For example, the area code of Shenzhen is 0755. If you are there, input 755 in the **Area code**.) Click **Apply** and then **Ok**.
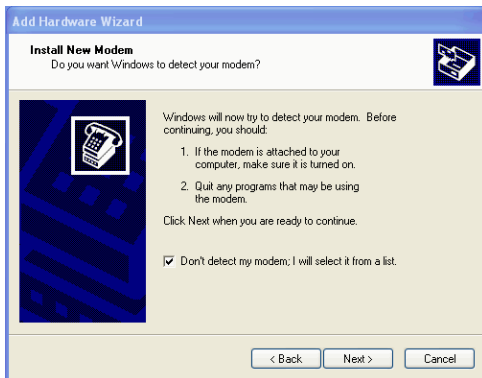
4. The new added item appears in the **Location** list.

Phone and Modem Options

Dialing Rules | Modems | Advanced

The list below displays the locations you have specified. Select the location from which you are dialing.

Locations:

Location	Area Code
⊙ GPRS 611	755
○ My Location	

[New...] [Edit...] [Delete]

[OK] [Cancel] [Apply]

5. Choose **Modems**, and then click **Add**.

Phone and Modem Options

Dialing Rules | Modems | Advanced

The following modems are installed:

Modem	Attached To
HDAUDIO SoftV92 Data Fax Modem with ...	COM4
Standard Modem over IR link	Not present

[Add...] [Remove] [Properties]

[OK] [Cancel] [Apply]

6. Choose "**Don't detect my modem; I will select it from a list**", and then click **Next** to go on.
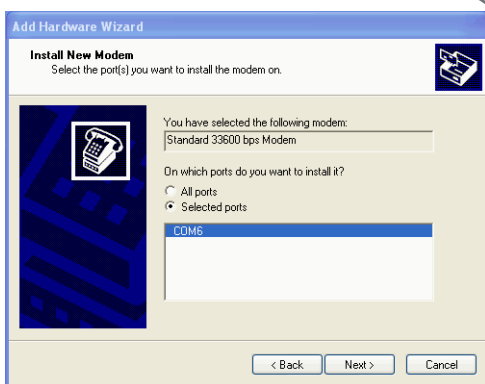
7. Choose **Standard 33600 bps Modem**, and then click **Next**.
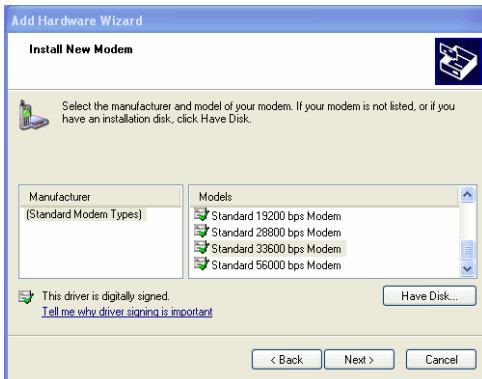
8. Click **COM 6** (depends on PC's COM port setting) and then **Next** to go on.

   NOTE: In Windows® XP, you might find no COM ports in the dialog box above. If so, you need to install the USB2 Serial driver. (Go to Control Panel > System > Hardware > Device Manager to Update Driver.)
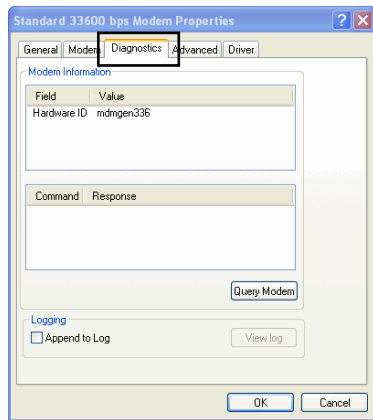

9. Click **Finish**.
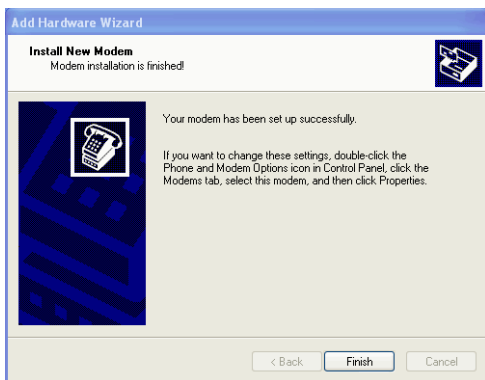
10. In **Modems** tab, choose **Standard 33600 Modem COM6** and then click **Properties** to open the window.
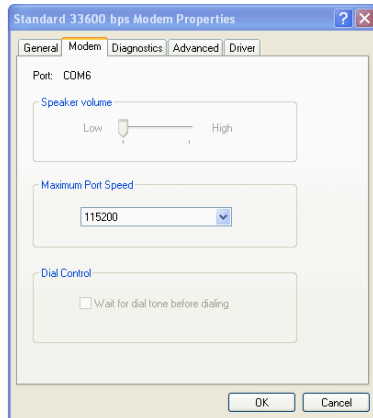
11. Click **Diagnostics**.

12. Click **Query Modem**. You should see results in **Command** and **Response** list.
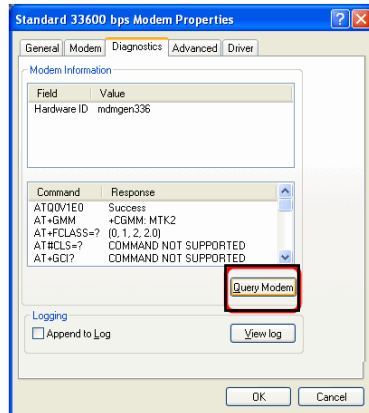
13. Click **Advanced**. Enter the **Extra initialization commands**, and then click **OK**. In this example, (+CGDCONT=1, "IP", "cmnet"), the string "cmnet" is service provider dependent. Contact your service provider for this setting.
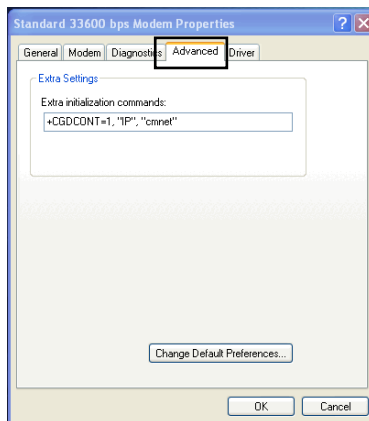
14. Double click **Network Connections** in **Control Panel**.
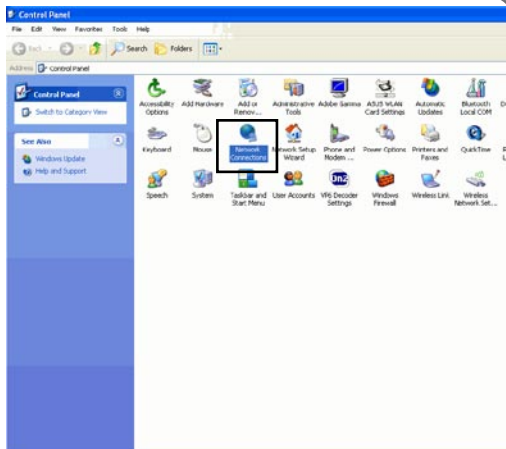
15. In **Network Tasks** box, click **Create a new connection**.

16. **New Connection Wizard** starts. Click **Next**.

New Connection Wizard

Welcome to the New Connection Wizard

This wizard helps you:

- Connect to the Internet.
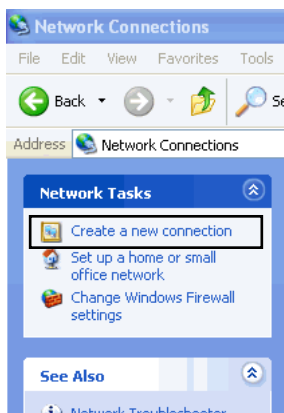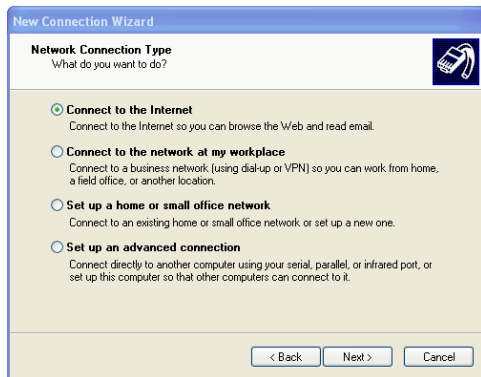- Connect to a private network, such as your workplace network.
- Set up a home or small office network.

To connect to a wireless network, view wireless networks in range.

To continue, click Next.

< Back   Next >   Cancel

17. Choose **Connect to the Internet**, and then click **Next**.

New Connection Wizard

Network Connection Type
What do you want to do?

⊙ **Connect to the Internet**
Connect to the Internet so you can browse the Web and read email.

○ **Connect to the network at my workplace**
Connect to a business network (using dial-up or VPN) so you can work from home, a field office, or another location.

○ **Set up a home or small office network**
Connect to an existing home or small office network or set up a new one.

○ **Set up an advanced connection**
Connect directly to another computer using your serial, parallel, or infrared port, or set up this computer so that other computers can connect to it.

< Back   Next >   Cancel

18. Choose **Set up my connection manually**. Click **Next**.

New Connection Wizard

Getting Ready
The wizard is preparing to set up your Internet connection.

How do you want to connect to the Internet?

○ Choose from a list of Internet service providers (ISPs)

⊙ Set up my connection manually
For a dial-up connection, you will need your account name, password, and a phone number for your ISP. For a broadband account, you won't need a phone number.

○ Use the CD I got from an ISP

[< Back] [Next >] [Cancel]

19. Choose **Connect using a dial-up modem**. Click **Next**.

New Connection Wizard

Internet Connection
How do you want to connect to the Internet?

⊙ **Connect using a dial-up modem**
This type of connection uses a modem and a regular or ISDN phone line.

○ **Connect using a broadband connection that requires a user name and password**
This is a high-speed connection using either a DSL or cable modem. Your ISP may refer to this type of connection as PPPoE.

○ **Connect using a broadband connection that is always on**
This is a high-speed connection using either a cable modem, DSL or LAN connection. It is always active, and doesn't require you to sign in.

[< Back] [Next >] [Cancel]

20. Enter the ISP name. You can create your own ISP name. Click **Next**.

New Connection Wizard

Connection Name
What is the name of the service that provides your Internet connection?
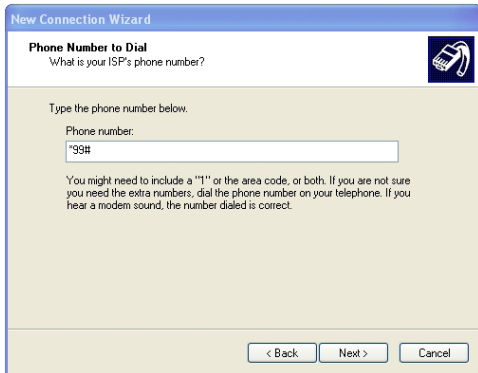
Type the name of your ISP in the following box.

ISP Name

The name you type here will be the name of the connection you are creating.

[< Back] [Next >] [Cancel]

21. Fill ***99#** in the **Phone number** field. Click **Next**.

New Connection Wizard

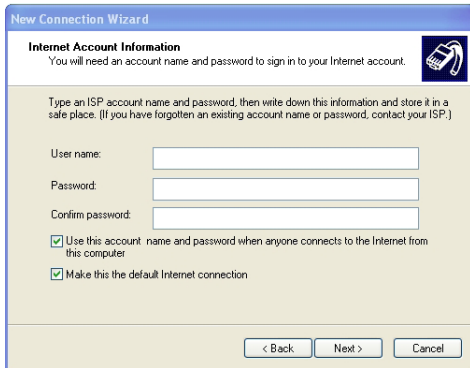**Phone Number to Dial**
What is your ISP's phone number?

Type the phone number below.

Phone number:
*99#

You might need to include a "1" or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.

[< Back] [Next >] [Cancel]

22. Click **Next**.

New Connection Wizard

Internet Account Information
You will need an account name and password to sign in to your Internet account.

Type an ISP account name and password, then write down this information and store it in a safe place. (If you have forgotten an existing account name or password, contact your ISP.)

User name: _____

Password: _____

Confirm password: _____

☑ Use this account name and password when anyone connects to the Internet from this computer

☑ Make this the default Internet connection

[< Back] [Next >] [Cancel]

23. Choose "**Add a shortcut to this connection to my desktop**", and then click **Finish**.

New Connection Wizard

Completing the New Connection Wizard

You have successfully completed the steps needed to create the following connection:

Dial-up Connection
• Make this the default connection
• Share with all users of this computer
• Use the same user name & password for everyone

The connection will be saved in the Network Connections folder.

☑ Add a shortcut to this connection to my desktop

To create the connection and close this wizard, click Finish.

[< Back] [Finish] [Cancel]

24. On the desktop, double click the shortcut icon to open **Connect Dial-up Connection** window.

25. Click **Dial** to activate GPRS connection.

Additional Information

The use of this equipment may be subject to local rules and regulations. The following rules and regulations may be relevant in some or all areas where your handset will be in operation.

European Notice

Products with the mark comply with the Radio & Telecommunication Terminal Equipment Directive (1999/5/EEC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) - as amended by Directive 93/68/ECC - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

- 1999/5/EEC Radio & Telecommunication Terminal Equipment Directive (R&TTE) EN 301 511
- Specific Absorption Rate (SAR) Standard: EN 50360, EN 50361
- 73/23/EEC Low Voltage Directive (LVD) Standard: EN 60950:2000
- 89/336/EEC Electromagnetic Compatibility (EMC-Directive) Standard: EN 301489-1/7
- The manufacturer cannot be held responsible for modifications made by the user and the consequences thereof, which may alter the conformity of the product with the mark.

Certification Information (SAR)

This model phone meets EU requirements for exposure to radio waves.

Your mobile phone is a radio transmitter and receiver, designed and manufactured to meet limits of exposure to radio frequency (RF) based on international guidelines and recommendations of The Council of the European Union. These limits are part of comprehensive guidelines that establish permitted levels of RF energy for the general population. Independent scientific organizations developed these guidelines through periodic and thorough evaluation of scientific studies. The guidelines provide a substantial safety margin to ensure the safety of all persons, regardless of age and health.

The exposure standard for mobile devices is measured by a unit known as the Specific Absorption Rate, or SAR. According to international guidelines, the SAR limit is 2.0 watts/kilogram (W/kg)*. SAR testing is conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the device while operating may be below the maximum value. This is because the device is designed to operate at multiple power levels to use only enough power required to reach the

network. The closer you are to a base station, the lower the device power output.

The highest SAR value for this mobile phone when tested for use and compliance to international standards was 1.08 W/kg.

SAR values may vary depending on national reporting and testing requirements, as well as the network band. SAR values may also vary depending on device accessories and enhancements used.

* For publicly used mobile phones, the SAR limit is 2.0 W/kg averaged over 10 grams of body tissue. A substantial margin of safety gives the public additional protection and takes into consideration any measurement variations.

Proper Disposal

The symbol of the crossed out bin indicates that the product (electrical and electronic equipment) should not be placed in municipal waste. Please check local regulations for disposal of electronic products.
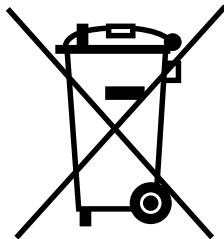
Safety Warnings

Read the following safety warnings carefully before using your cell phone.

- This equipment is intended for use with power supplied from supplied battery charger(s) and/or power supply unit(s). Other usage will invalidate any certification given to this apparatus and may be dangerous.
- Switch off your cellular telephone when in an aircraft. The use of cellular telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt cellular networks, and may be illegal. Failure to observe this instruction may lead to suspension or denial of cellular telephone services to the offender, legal action or both.
- Do not use the phone or phone equipment when at a refueling point.
- Observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress.
- The use of the Alert device to operate a vehicle's lights or horn on public roads is not permitted.

You MUST exercise proper control of your vehicle at all times. Observe the following safety precautions when driving:

- Do not use a hand-held telephone or microphone while you are driving.
- When driving, find a safe place to stop the vehicle before using the phone.
- Do not speak into a hands-free microphone if it will distract you from driving.
- You MUST NOT stop on the hard shoulder of a motorway to answer or make a call, except in an emergency.
- The radio equipment should be connected to the antenna via a non-radiating cable (e.g. coaxial cable). The antenna must be mounted in a position such that no part of the human body will normally rest close to any part of the antenna unless there is an intervening metallic screen, such as a metallic roof.

NOTES:

- In some areas where electric current is unstable, it is recommended that you plug the charger to an AVR (AC Voltage Regulator) instead of direct connection to a power outlet. Unstable power current may damage the charger and/or the device.
- You can connect the USB charger or USB data cable to the device in only one orientation. Incorrect insertion of the cable connector may cause short circuiting and may damage the device.