

User Manual

SGH-i640V

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Designed for
Vodafone live!



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Important safety precautions

Read these guidelines before using your wireless device. Failure to comply with them may be dangerous or illegal.

Drive safely at all times

Do not use a hand-held device while driving. Park your vehicle first.

Switch off the device when refuelling

Do not use the device at a refuelling point (service station) or near fuels or chemicals.

Switch off in an aircraft

Wireless devices can cause interference. Using them in an aircraft is both illegal and dangerous.

Switch off the device near all medical equipment

Hospitals or health care facilities may be using equipment that could be sensitive to external radio frequency energy. Follow any regulations or rules in force.

Interference

All wireless devices may be subject to interference, which could affect their performance.

Be aware of special regulations

Meet any special regulations in force in any area and always switch off your device whenever it is forbidden to use it, or when it may cause interference or danger.


Water resistance

Your device is not water-resistant. Keep it dry.

Sensible use

Use only in the normal position (held to your ear). Avoid unnecessary contact with the antenna when the device is switched on.

Emergency calls

Key in the emergency number for your present location, then press .

Keep your device away from small children

Keep the device and all its parts, including accessories, out of the reach of small children.

Accessories and batteries

Use only Samsung-approved batteries and accessories, such as headsets and PC data cables. Use of any unauthorised accessories could damage you and your device and may be dangerous.

CAUTION:

- The device could explode if the battery is replaced with an incorrect type.
 - Dispose of used batteries according to the manufacturer's instructions.
-



At very high volumes, prolonged listening to a headset can damage your hearing.

Qualified service

Only qualified service personnel may install or repair your device. Failure to do so may invalidate the warranty.

For more detailed safety information, see "Important safety information" on page 191.

Getting started

Congratulations on the purchase of your new Smartphone! This chapter helps you set up your device, charge the device's batteries, and familiarise yourself with the different components of your device.

What's in the box?

Your package contains the following items:

- Device
- PC data cable
- Battery
- Travel adapter
- CD-ROMs¹
- Quick Reference Guide

In addition, you can obtain the following accessories for your device from your local Samsung dealer:

- Car charger/adapter
- Standard battery
- Travel adapter
- Straight headset
- PC data cable
- Bluetooth USB dongle kit
- Bluetooth mono & stereo headset
- Bluetooth hands-free car kit

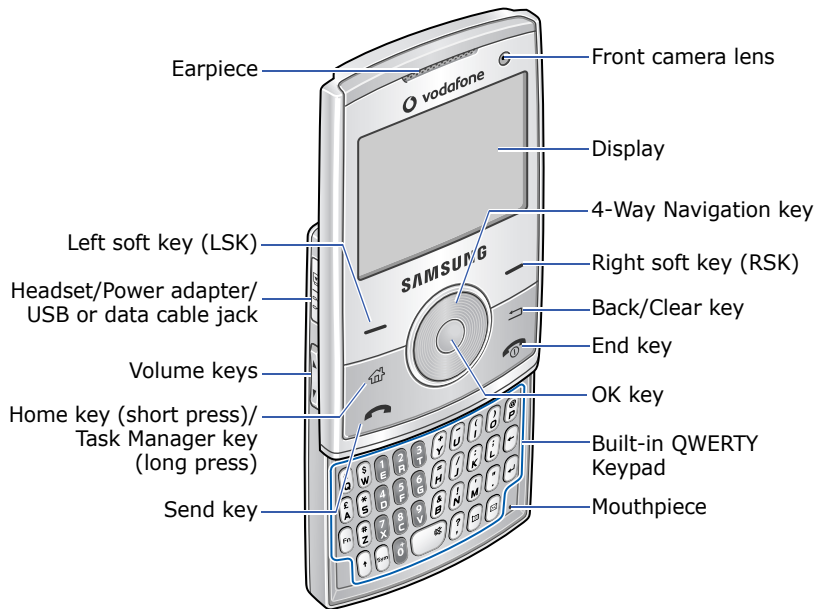
Note: The items supplied with your device and the accessories available at your Samsung dealer may vary, depending on your country or service provider.

1. One contains Microsoft ActiveSync software, Add-on software and programs, and the other contains User's Guide in PDF format.

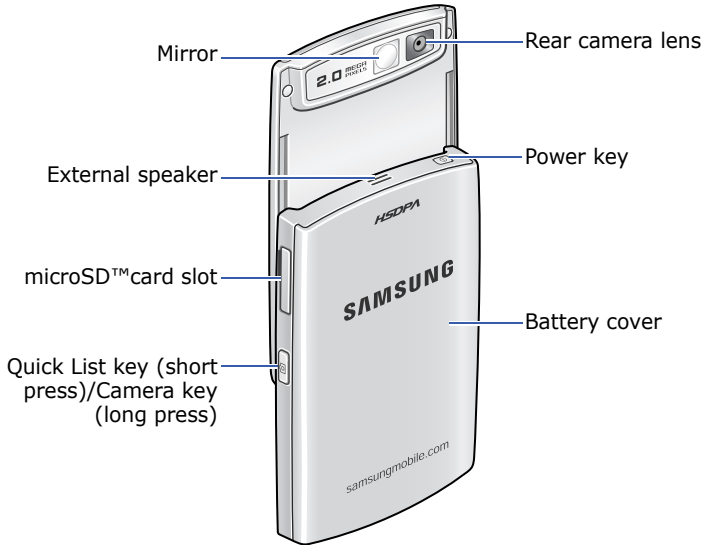
Getting to know your device

The following illustrations show the main elements of your phone:

Front view





















Rear view



Keys of your device

Key	Description
	<ul style="list-style-type: none"> • Press and hold to turn the device on or off. • Press to activate or deactivate the touch keys.
	Press to perform the command shown on the screen immediately above the key.

Key	Description
	<ul style="list-style-type: none"> • Press to switch to the Home screen from a program. • Press and hold to open Task Manager.
	<ul style="list-style-type: none"> • Press to scroll through a list. • Press to move the cursor in a text input field.
	Press to confirm your selection or input.
	<ul style="list-style-type: none"> • Press to close the current menu and return to the previous menu or screen. • Press to delete characters in a text input field.
	<ul style="list-style-type: none"> • Press to make or answer a call. • Press to open the Dialling screen on the Home screen.
	<ul style="list-style-type: none"> • Press to end a call. • Press to close the current menu and return to the previous menu or screen.
	Press to enter numbers, characters, and symbols.
	Press to delete characters in a text input field.
	Press to use characters on the upper half of the keys in a text input field for once.
	<ul style="list-style-type: none"> • Press to confirm your selection or input. • Press to start a new line in a text input field.
	Press to change case in a text input field.
	Press to open the Symbols screen in a input field.

Key	Description
	Press and hold to insert an international call prefix.
	<ul style="list-style-type: none"> • Press and hold to activate or deactivate the Vibrate profile from the Home screen. • Press to enter a space between characters in a text input field.
	Press to change the text input mode.
	Press to open the Messaging program.
	<ul style="list-style-type: none"> • Press to adjust the audio volume. • Press to mute the call ringer as a call comes in. Press and hold to reject a call.
	<ul style="list-style-type: none"> • Press to open the Quick List screen. • Press and hold to turn on the camera.

Installing the SIM card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, any optional services available, and many other details.

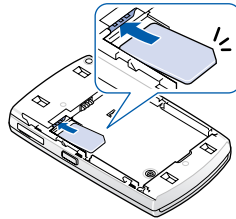
- Keep all miniature SIM cards out of the reach of small children.
- The SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling the card.
- When installing the SIM card, always make sure that the device is switched off before you remove the battery.

Inserting the SIM card

1. Remove the battery cover.



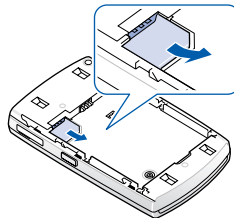
2. Insert the SIM card, as shown, ensuring that the gold-coloured contacts of the card are face down.



Continue to install the battery. See the next page.

Removing the SIM card

To remove the SIM card, slide the card out of the holder, as shown.

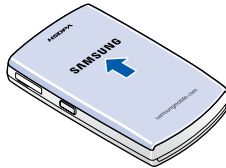


Installing the battery

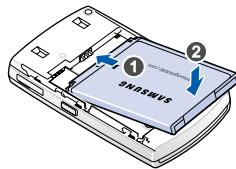
Your device is powered by a rechargeable Li-ion battery.

Installing the battery

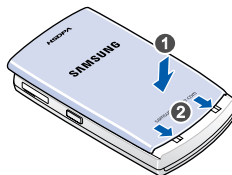
1. Remove the battery cover, if necessary.




2. Insert the battery into the battery compartment, as shown.



3. Reattach the battery cover.



Removing the battery

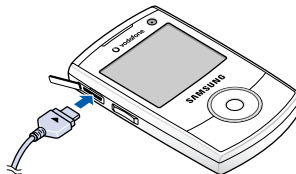
1. If necessary, press and hold  (located at the top left of your device) until the power-off image displays.
2. Remove the battery cover.
3. Lift the battery away from the device.

Charging your device

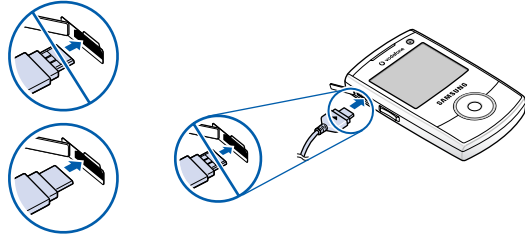
Your phone is powered by a rechargeable Li-ion battery. Use the travel adapter to charge the battery, and use only Samsung approved batteries and chargers. Use of the wrong adapter could damage your phone and void your warranty.

Note: You must fully charge the battery before using your phone for the first time. You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

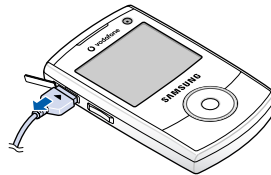
1. Plug the connector of the travel adapter into the jack on the left side of the device.



Note: The following illustration shows the correct and incorrect method for connecting the adapter. Verify the arrow on the adapter is showing and pointing to the device for a correct connection. If it is not, damage to the accessory port will occur therefore voiding the device's warranty.




-
2. Plug the travel adapter into a standard AC power outlet. When charging is finished, unplug the adapter from the power outlet.
 3. Remove the travel adapter from the device.




Note: Do not remove the battery while charging. It may cause malfunctions and may damage the device.


Low battery warning

When the battery is weak and only a few minutes of talk time remain, a warning tone sounds and the “Main Battery very low” message repeats at regular intervals on the display and the low battery icon () displays. The backlight turns off to conserve the remaining battery power.

When the battery level becomes too low, the device automatically turns off.

Turning your device on or off

Press and hold  to turn on your device. The device is logged into your home network and receives the signal from the network. You can now make or answer calls and use programs on the device.

To turn off the device, press and hold .

Note: Your device supports HSDPA (High-Speed Downlink Packet Access) connections. Because the HSDPA network configurations are different from country to country, a notification may appear to indicate that your HSDPA options have changed if you move across the boundaries between countries. To apply the new changes, you must restart your device. If you do not, making or receiving calls and transmitting data simultaneously may not work. In some countries, incoming and outgoing voice calls may be limited until the HSDPA networks are upgraded.

The basics

This chapter explains basic information about using your device, such as customising your device and using online help.

■ ■ Using the Home screen




When you turn on your device, you can see the device's idle screen, or Home screen. The screen will display the current time and date, and also display the notification icons on the status bar across the top line of the screen to indicate your device's current status to you, for example, you have a new message or a missed call.













You can customise the background with a default image or with an image you've stored on the device. You can also choose to have the Windows Live Search bar and services menu appear on the Home screen.














While browsing any applications, you can return to the Home screen by pressing .

Status bar

Followings are some of the status icons you may see on the top line of the screen. Depending on your country, the icons shown may vary:

Icon	Description
	Shows the strength of the signal. You can also view the following service status: <ul style="list-style-type: none"> • : You are out of your service area. • : The phone functions are turned off.

Icon	Description
	Appears when a call is in progress.
	Appears when a data call is in progress.
	Appears when the current call is on hold.
	Appears when a GPRS connection is available in the network. When a GPRS connection is active,  appears.
	Appears when you are roaming out of your home service area and logged onto a different GPRS network.
	Appears when a 3G (UMTS) connection is available in the network.
	Shows the level of your battery power. The more bars you see, the more power you have remaining. When the battery level is very low,  appears.
	Appears when the ring type has been set to Silent in the current profile or the ringtone for voice calls has been set to None in Sounds . For details, see page 29.
	Appears when the ring type has been set to Vibrate in the current profile or the ringtone has been set to the vibration option in Sounds . For details, see page 29. Also, appears when the Vibrate profile is activated.
	Indicates that you can make calls using phone line 1 or 2 (network service).

Icon	Description
	Appears when you are roaming outside of your home area and logged onto a different network.
	Appears when Bluetooth is activated. For details, see page 167.
	Appears when a Bluetooth headset is connected to the device.
	Appears when an error occurs during synchronisation.
	Appears when a text (SMS) or multimedia (MMS) message has been received.
	Appears an e-mail message has been received.
	Appears when an instant message has been received.
	<p>Appears when a new voicemail has been received.</p> <ul style="list-style-type: none"> • : A new voicemail from line 1. • : A new voicemail from line 2. • : A new voicemail from both lines.
	Appears when there is a call you have missed.
	Appears when you have set incoming calls to be diverted to another destination.

Soft key area

Your phone has the soft key area and two soft keys which appear at the bottom line of the screen. The roles of the soft keys vary depending on the function you are using.

The following soft keys are available on the Home screen:

- **Start:** accesses the Recent Programs list and other content lists. See "Using the Start Menu."
- **live!:** launches the Web browser.

Customising the Home screen

You can customise the Home screen according to your preferences.

1. On the Home screen, press the **Start** soft key.
2. Scroll to the **My Settings** list → **Home Screen**.
3. Scroll to an option, and press the Left or Right Navigation key to change the setting.

The following options are available:

- **Home screen layout:** Select the layout to be used for the Home screen. Some key operations may be different depending on the layout.
 - **Colour scheme:** Select the colour scheme to be used for the Home screen.
 - **Background image:** Select an image to use as a background image on the Home screen.
 - **Time out:** Specify the length of time the device waits before returning the display to the Home screen if the device is not used.
4. When you have finished, press the **Done** soft key.

Using the Start Menu

Start Menu is a navigation menu to find applications or features on your device, and access a setting group for users to quickly customise the basic phone settings as well as a list of most recently opened applications.

On the Home screen, press the **Start** soft key to open the Start Menu. You will see the Recent Programs list.

Accessing the content lists

Content lists are dynamic tools that help you navigate through your device. Content lists give you an easy way to reach commonly used features, such as text messaging, setting options, and Windows Media Player.

The nine content lists each contain related items. For example, e-mail, and text messaging can all be reached from the **Message Centre** content list.


Press the Left or Right Navigation key to scroll through the content lists. The following content lists are available:

- **Recent Programs:** provides access to the 10 most recently used applications and features, and updates the application list each time a new application is used. You can also access the Main Menu screen.
- **Message Centre:** provides access to voicemail, e-mail, text messaging, and the missed call log.
- **Favourite Contacts:** lets you add 10 favourite contacts to the content list, and provides access to your contact list. Press the **Add** soft key to add a new contact card. Press the **All Contacts** soft key to access the contact list saved in Contacts.

- **Upcoming Events:** lists events that you have added to the calendar on your device. Press the **New** soft key to add a new appointment.
- **Windows Live:** provides quick access to Windows Live, Live Messenger, Live Hotmail, Live Spaces, and Live Search.
- **My Settings:** provides direct access to the profile, alarm, ring tone, Home screen, Flight mode, Bluetooth, and phone lock settings, as well as access to the **Settings** menu.
- **Music & Video:** provides access to Windows Media Player, the 9 most recently played songs and videos, and contains a link to other media files stored on your device. Press the **Download** soft key to download music files from the website preset by Vodafone. Press the **All Music** soft key to open the library screen of Windows Media Player.
- **Recent Photos:** displays the 10 most recently taken or modified photos in the **My Pictures** folder. Press the **Download** soft key to download image files from the website preset by Vodafone. Press the **All Photos** soft key to access **My Files**.
- **Vodafone live!:** provides quick access to Vodafone live!, Vodafone shop, Mobile TV, and the Web browser.

Accessing the Recent Programs list

The Recent Programs list provides access to the recently used applications and features. When you select and start using an application, the application will be added to the top of the Recent Programs list. So instead of navigating through the device to find what you need, you can get there directly from the Recent Programs list.

Press the **Start** soft key on the Home screen. Press the Up or Down Navigation key to scroll up or down and press  to open the selected item.

You can also access the Main Menu from the Recent Programs list by pressing the **Main Menu** soft key.

Using the Main Menu screen

Your phone provides menu categories allowing you to access programs, website, files or folders on the Main Menu screen.


On the Home screen, press the **Start** soft key and then the **Main Menu** soft key to open the Main Menu screen.

The following menu categories are available:


- **Calls:** shows your history of dialed, missed, and received calls.
- **Messaging:** gives you access to your e-mail and text messaging accounts, and lets you add new accounts.
- **Entertainment:** contains games, Mobile TV, Pictures & Videos, and Windows Media Player.

- **My Files:** is a repository for pictures, ringtones, and other stored content. It also provides access to the other folders on your device.
- **Internet Services:** gives you access to the wireless web. It also provides Google Maps, MySpace Mobile, or eBay if supported by your country.
- **Contacts:** takes you to your list of contacts.
- **Applications:** contains a variety of applications and services on your device.
- **Settings:** gives you access to all the settings you can manage on your device, including connections, phone settings, and power management.

Opening programs or folders

Scroll to a program or a folder by pressing the Navigation keys and press  to open it.

Switching between programs

Your device is a multi-tasking device. You can run multiple programs at the same time and switch from one program to another. From any program, press  to switch to the Home screen. Then access another program from the Start Menu or Main Menu screen.

Note: Your phone supports multiple PDP so that you can activate multiple data connections at the same time. For example, you can use the MMS service while browsing the Internet. However, if a network does not support multiple PDP, you must end the current data connection in order to make a new data connection.

Closing programs


Using Task Manager, you can end the programs which are currently open.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools**.
3. Press the **More** soft key and select **Task Manager**.
4. Scroll to a program, press the **Stop** soft key. To close all of the running programs, press the **Menu** soft key and select **Stop all**.




Entering text



Your device is equipped with a QWERTY keypad to support easy and quick text input. You can enter text as you would when using a computer's keyboard.

The keys are labelled with alphabet on the lower half and numbers and symbols on the upper half. Press the key corresponding to the character you want to enter.

You can move the cursor by pressing the Navigation keys. To delete a character, press .

In addition, you can use the following function keys:

- : deletes characters.
- : starts a new line.
- : changes case.

- : allows you to change the text input mode. You can select ABC mode (ABC) or T9 mode (XT9 English). Using the **Language** option, you can change the language for T9 mode.
- : opens the **Symbols** screen.

Customising your device

You can customise the phone settings to suit the way you work.

Regional settings

You can change number, currency, and time and date formats appropriate to the countries in question.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **More...** → **Regional Settings**.
3. Select the option you want in each field.
4. When you have finished, press the **Done** soft key.
5. If you changed the **Language** or **Locale** option, press the **OK** soft key.

Then turn the device off and then back on to make your changes take effect.

Time and date settings

The **Date and Time** setting enables you to set the date, time, and time zone.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **Clock & Alarm** → **Date and Time**.
3. Select your time zone and set the current date and time.
You can also enable **Time zone updating** by using the Left or Right Navigation key.
4. When you have finished, press the **Done** soft key.

Note: You can change the time and date format to be displayed in **Regional Settings**.

Power settings

You can conserve battery power by adjusting the time-out settings for the display and the backlight of the keypad and display or adjusting the display brightness.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Power Management**.
3. Select the power settings:
 - **Main battery:** You can check the remaining battery power.

- **Backlight time out on battery:** You can select the length of time the display backlight stays on when you do not use the device.
 - **Display time out:** You can select the length of time the display stays on. During standby, the device goes to Sleep mode after a specified period of time, so very little power is being consumed.
 - **Display brightness:** You can adjust the brightness for the display.
 - **Keypad backlight time out:** You can select the length of time the keypad backlight stays on. After a specified period of time, the backlight turns off.
 - **Keypad backlight on:** Choose from **Any time** or **Custom time**. If you have chosen **Custom time**, enter the starting time and ending time for the keypad to work.
4. When you have finished, press the **Done** soft key.

Accessibility settings

You can configure the options to increase the accessibility to your device's functions.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Accessibility**.
3. Select the options you want.
 - **System font size:** You can set the size of the font on your screen. If you change the font size, the path to menu options will change.

- **Multipress time out:** You can set the length of time between key presses when entering text.
- **Confirmation time out:** You can set the delay before an unconfirmed action times out.
- **In-call alert volume:** You can set the volume of the alert tone that sounds when you are on a call.

4. When you have finished, press the **Done** soft key.

Sound settings

You can customise sound settings for various events on the device.

Setting sounds and notifications

Your device reminds you in various ways when you have something to do, receive a message, or press the keys on the device. For example, if you have set up an appointment, you are notified in any of the following ways:

- A sound, which you specify, plays.
- Your device vibrates.

You can change device sounds by choosing types or sounds for each event.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **Sounds**.
3. Select the event for which to specify a sound and the reminder type or ringtone.

- **Ringtone:** You can specify the ringtone to inform you of incoming calls.

Note: You can quickly change the ringtone by selecting **Ring Tone** from the **My Settings** list on the Start Menu.


- **Alarm:** you can select an alert type for alarms and appointment reminders.
- **Notifications:** You can change the alert type for incoming messages individually according to message type.
- **System Sound:** You can select the tones for prompts, warnings, or error messages from the system.
- **Keypad Tone:** You can select the tone that the device sounds when you press a key.

4. When you have finished, press the **Done** soft key.

Changing the sound profile

Using Profiles, you can adjust and customise the device tones for different events or environments and then apply the settings as a group. The currently selected profile displays on the Home screen.

To change profiles:


1. On the Start Menu, scroll to the **My Settings** list and select **Profile**, or press  and select the profile you want from the Quick List screen.

Otherwise, on the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Settings** → **Profiles**.

2. Select the profile you want.

If you select **Automatic**, the profile will automatically switch between **Normal** and **Vibrate** according to your calendar items.

Notes:

- On the Start Menu, scroll to the **My Settings** list → **Profile** and press the **Silent** soft key to quickly activate the Silent profile.
 - Press and hold  from the Home screen to quickly activate or deactivate the Vibrate profile.
-

To customise profiles:

1. On the Profiles screen, scroll to the profile you want.
2. Press the **Menu** soft key and select **Edit**.
3. Change the settings in each field. Available options may differ depending on the selected profile.
4. When you have finished, press the **Done** soft key.

Note: To change all profile settings to their factory default, press the **Menu** soft key from the profile list and select **Reset to default**.

Owner information

Owner Information identifies the owner or user of the device. Set your contact information in case you lose the device.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **More...** → **Owner Information**.
3. Fill in each input field.
4. When you have finished, press the **Done** soft key.

Error reporting setting

Your device has the Error Reporting function which informs you of errors in a program that can give a crash to the device system. You can enable or disable this function.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **More...** → **Error Reporting**.
3. Select **Enable** or **Disable** and press the **Done** soft key.

Security settings

With options in Security, you can protect your device and SIM card from unauthorised use.

Locking the device


Note: Even if the device is locked, you will be able to receive calls.

To set automatic phone lock:

You can protect your device using the Device Lock feature. Once the feature is enabled, your device is automatically locked after the specified period of inactivity.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **Device Lock**.
3. Select **Prompt if device unused for** and select a length of time the device waits for before locking itself when it is not in use.
4. Scroll to the **Password type** field and select a password type.
 - **Simple PIN:** Use a numeric password. A password must be more than 4 characters.
 - **Strong alphanumeric:** Use an alphanumeric password. A password must be more than 7 characters and contain at least 3 of uppercase and lowercase letters, numbers, or punctuation marks.
5. Enter a password in the **Password** field.
6. Re-enter the same password in the **Confirm password** field for confirmation.
7. Press the **Done** soft key.
8. Press the **Yes** soft key.

To set manual phone lock:

On the Start Menu, scroll to the **My Settings** list → **Lock** and press the **Turn On** soft key. You can also press  and select **Lock** from the Quick List screen.

To unlock your device:

1. On the Home screen, press the **Unlock** soft key.
2. Enter the password and press the **Unlock** soft key.

Note: If the Device Lock feature is not activated, you need to press  to unlock the phone.

Activating the SIM PIN

When SIM PIN is enabled, you must enter your PIN supplied with your SIM card each time you turn the device on or insert the current SIM card into another device. Consequently, any person who does not have your PIN cannot use your device without your approval.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **Enable SIM PIN**.
3. Enter the PIN and press the **Done** soft key.

Locking the SIM card

When SIM lock is enabled, your device works only with the current SIM card. To use another SIM card, you must enter the SIM lock password.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **Enable SIM Lock**.
3. Enter a password for your SIM card and press the **Done** soft key.

4. Re-enter the password for confirmation and press the **Done** soft key.

Changing PIN2

A PIN2 is used for certain functions supported by the SIM card. You can change the PIN2 supplied with your SIM card to a new one.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **Change PIN2**.
3. Enter the current PIN2 in the **Old PIN** field, then a new PIN in the **New PIN** field, and re-enter the new PIN in the **Confirm new PIN** field.
4. Press the **Done** soft key.

Changing the call barring password

You can change the default call barring password supplied by your service provider.





1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **Call Barring Password**.
3. Enter the old password, then a new password, and re-enter the new one for confirmation.
4. Press the **Done** soft key.

Setting encryption for contents of a memory card

You can set your device to encrypt files when copying them to a memory card. Once files are encrypted, you can access them only by using your device.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **More...** → **Encryption**.
3. Select **Encrypt files placed on storage cards**.
4. Press the **Done** soft key.

Key setting

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **Key Settings**.
 - **Side Key Settings:** Change the program assigned to the camera key, , to your favourite program. You can press and hold  to launch the program you have set.
 - **Message Key Settings:** Change the shortcut assignments to the Messaging key, .
 - **End Key Settings:** Set how the phone reacts when you press  during data calls.
3. Press the **Done** soft key.

Menu shortcut settings

The number keys can be used as shortcut keys to directly access specific programs that exist in the Main Menu screen.

Note: You can also assign phone numbers, e-mail addresses, or web pages in Contacts to the number keys as speed dial entries. For details about setting the speed dial list, see page 66.

Assigning a shortcut to a key

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select a menu category.
3. Scroll to the program you want to assign to a key.
4. Press the **Menu** soft key and select **Add Speed Dial**.
5. If necessary, change the name you want in the **Name** field.
6. Select a location in the **Keypad assignment** field and press the **Done** soft key.

Accessing a menu using its shortcut

On the Home screen, use one of the following ways:

- For one-digit shortcut keys, press and hold the number key.
- For two-digit shortcut keys, press the first number key and then press and hold the last number key.

Customer feedback setting

You can join the Customer Experience Improvement program by sending some feedback about how you are using Windows Mobile products. This helps identify trends and usage patterns to improve future versions of products.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **More...** → **More...** → **Customer Feedback**.
3. Select **Enabled** or **Disabled** and press the **Done** soft key.

Windows update setting

Microsoft provides updates for Windows operating system software and Windows-based hardware to keep your phone up-to-date and help protect against known security threats. Using Windows Update, you can download critical and security-related updates you need from the Microsoft website.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **More...** → **More...** → **Windows Update**.
3. Press the **Next** soft key.
4. Select an update option:
 - **Manual:** You must manually check for updates for your phone.
 - **Automatic:** (Recommended) Windows automatically looks for updates for your phone as they become available.

5. If you want to receive updates according to your data plan, select **Use my data plan to check for and download updates.** and press the **Next** soft key.
6. Press the **Finish** soft key.

Searching for items

Your device provides a search program, SmartSearch, to allow you to easily search for data or media files in your device and quickly access them.

Searching for an item


1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools**.
3. Press the **More** soft key and select **SmartSearch**.
4. Enter the first few letters of an item name in the **Find** field and select an item type in the **Type** field.
5. Select **Match case** and/or **Match whole word** to allow the device to search for the matching items more quickly.
6. Press the **Go** soft key. The device searches its file directory or programs and lists all matching items.
7. Scroll to the one you want and press the **Open** soft key.

Setting up the search options

You can change the search options for each item type to provide the device with more specific information to narrow the search items.

1. From the SmartSearch screen, press the **Menu** soft key and select **Options**.
2. Select the item type you want and set each option.
 - **Contact**: Select the types of contact information you want to include in your search.
 - **Appointment**: Select whether to include notes, or set a date for the device to search for appointments.
 - **Task**: Select whether to include notes in your search.
 - **SMS**: Select the types of message information you want to include in your search, or set a date for the device to search for text messages.
 - **E-mail**: Select the types of e-mail information you want to include in your search, or set a date for the device to search for e-mail messages.
 - **Phone call**: Select the types of calls you want to include in your search.
 - **File name**: Select the storage locations you want to include in your search.
3. When you have finished, press the **Done** soft key.

Locking the keypad

When you close the device, your device automatically locks the function keys to keep any accidental key presses from affecting the current phone performance. To unlock the keys, press .

Note: To deactivate the automatic keypad lock, go to **Settings** and select **More...** → **Slide Settings**. Clear the check mark next to **Automatically lock keypad when slide is closed**.

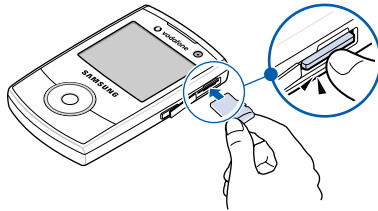
Using an optional memory card

Your device has an expansion slot compatible with microSD memory cards, which are primarily used to back up or transfer files and data.

Note: Use only compatible memory cards with your device. Using incompatible memory cards, such as Secure Digital (SD) cards, may damage the card, as well as the device, and data stored on the card.

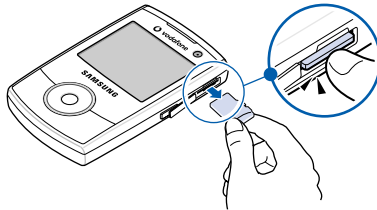
Inserting the memory card

Push the memory card into the slot with the label side face up until it clicks into place. The card is secure when it is not protruding from the device.



Removing the memory card

Push the memory card in and release so that it is disengaged from the slot. Then remove the card from the device.



Adding and removing programs

You can install any program created for your device, as long as the device has enough memory. The most popular place to find software for your device is on the Microsoft website (www.microsoft.com/windowsmobile/smartphone).

Adding programs using ActiveSync

You can install programs downloaded from the Internet or included on the supplied software CD-ROM by performing synchronisation between your device and your computer.

First you need to determine what your device and processor type is so that you know which version of the software to install.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **More...** → **About**. Check the version of your device.
3. Download a program to your computer from the Internet or insert the CD-ROM that contains the program into your computer.

Be sure to select the program designed for your device and the device's processor type.
4. Read any installation instructions, Read Me files, or documentation that comes with the program.
5. Connect your device to your computer and make sure that the ActiveSync is running.

For more information on ActiveSync, see page 49.

6. Double-click the *.exe file on the computer.

If the file is an installer, the installation wizard will begin. Follow the instructions on the screen. Once the software has been installed, the installer will automatically transfer the software to your device.

If the file is not an installer, you will see an error message. You need to move this file to your device by using ActiveSync Explore to copy the program file to the **Windows\Start Menu** folder on your device.

Once installation is completed, you can view and open the program in **Applications**.

Adding a program directly from the Internet

First you need to determine what your device and processor type is so that you know which version of the software to install.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **More...** → **About**. Check the version of your device.
3. Download the program to your device straight from the Internet using Internet Explorer.

Be sure to select the program designed for your device and the device's processor type.
4. Read any installation instructions, Read Me files, or documentation that comes with the program.

5. Select the file, such as a *.xip or *.exe file. The installation wizard will begin.
6. Follow the directions on the screen.

Once installation is completed, you can view and open the program in **Applications**.

Removing programs

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Remove Programs**.
3. Scroll to the program you want to delete.
4. Press the **Menu** soft key and select **Remove**.
5. Press the **Yes** soft key to confirm the deletion.
6. When you have finished, press the **OK** soft key.

Managing certificates

On your device you can add and delete public key certificates. You can store the following two types of certificates on your device.

- **Personal:** help to establish your identity, when you log on to a secured network, such as a corporate network.
- **Intermediate:** help to issue server certificates, personal certificates, publisher certificates, or certificates for other Intermediate Certification Authorities.

- **Root:** help to establish the identity of servers with which you connect. This helps to prevent unauthorised users from accessing your device and information.

Viewing a certificate

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **Certificates** → a certificate type.
3. Select the certificate to view more details.

Deleting a certificate

1. Scroll to the certificate you want on the list.
2. Press the **Menu** soft key and select **Delete**.
3. Press the **Yes** soft key to confirm the deletion.

Resetting your device

You can reset your device's settings and clear all added data from memory.

Resetting the device

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **More...** → **Reset**.

3. Enter the reset password and press the **Done** soft key.
The default password is "0000."
4. Press the **Yes** soft key to confirm the reset.
5. Press the **Yes** soft key to confirm deleting DRM files.
The device resets and reboots itself.

Changing the reset password

You can change the reset password to prevent the device from being reset by unauthorised people.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Security** → **More...** → **Change Reset Password**.
3. Enter the old password, then a new password, and re-enter the new one for confirmation.
4. Press the **Done** soft key.

Using online help

Your device is supported by additional information available online, or on the CD-ROM that came with your device.

For information on:	see:
additional programs that can be installed on your device,	the supplied CD-ROM.
connecting to and synchronising with a PC,	Chapter 3 in this User's Guide or ActiveSync Help on your PC. To view the ActiveSync help, click the ActiveSync icon on the Windows task bar.
up-to-date information on your device,	www.microsoft.com/windowsmobile/help/smartphone .

Synchronisation

Using Microsoft® ActiveSync®, you can synchronise data on your desktop computer with the data on your device.

Synchronisation compares the data on your device with your desktop computer and updates both your device and computer with the latest data.

With ActiveSync, you can:

- Keep Contacts, Calendar, Tasks, or Inbox data up-to-date by synchronising your device with Microsoft Outlook data on your desktop computer.
- Copy (rather than synchronise) files between your device and desktop computer.
- Control the moment when synchronisation occurs by selecting a synchronisation mode.
- Select data types to be synchronised and control the amount of synchronised data.

WARNING!

- ActiveSync synchronises two devices using the latest data. Therefore, if you delete some specific data from the device after synchronisation, and then perform a synchronisation again, the corresponding data on the computer will be deleted. Be careful not to lose important data.
 - If you turn off the device after copying files to any folders, except for the Storage folder, using ActiveSync, all files in those folders will be deleted. Store important files in the Storage folder to prevent from being deleted.
-

Installing ActiveSync

Before beginning synchronisation, you must install ActiveSync on your desktop computer using the supplied CD-ROM. You can also download the latest version of ActiveSync from the Microsoft website (www.microsoft.com).

1. Insert the CD-ROM into the CD-ROM drive of your desktop computer. Alternatively, double-click the downloaded ActiveSync installer.
2. Follow the instructions on the screen for installing Microsoft ActiveSync.

When installation is completed, the Synchronisation Setup Wizard helps you to connect your device to your desktop computer, to set up a partnership.

3. Follow the instructions on the screen.

Note: See “Connecting your device to a computer” for more information on connecting the device and a computer.

Your first synchronisation process will automatically begin when your device is connected to the computer. After the first synchronisation, take a look at Contacts, Calendar, and Tasks on your device. You will notice that your information has been copied to the device.

■ ■ Customising connection settings

To establish a connection between your computer and the device, you must enable the connections you want to use in the ActiveSync program. By default, all connections are enabled.

1. From the ActiveSync window on your computer, select **File** → **Connection Settings...**
2. Change the connection settings.
3. Click **OK**.

■ ■ Connecting your device to a computer

To connect the device to your computer, you can choose one of the following ways:

- Using a PC data cable
- Using a Bluetooth connection

Connecting with a PC data cable

Connect one end of the PC data cable to the jack on the left side of the device and the other end to the USB port on your computer.

Note: USB mode of your device must be set for ActiveSync. Go to **Settings** and select **More...** → **Connections** → **More...** → **USB**. Then change the mode.

The connection is established and the Microsoft ActiveSync window appears. The synchronisation automatically begins.

Notes:

- When an error occurs with a USB connection, activate the DHCP Client service, or deactivate the firewall or VPN environment.
 - USB hubs and laptop docking stations have not exhibited consistent stability with Windows Mobile-powered devices and ActiveSync. You can connect the device to the PC USB ports if you experience connection drops or an inability to connect through a USB hub or docking station.
-

Connecting via Bluetooth

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **ActiveSync**.
3. Press the **Menu** soft key and select **Connect via Bluetooth**.
4. Press the **Yes** soft key, if you are connecting to a computer via Bluetooth for the first time.
5. To connect a device, select **Add new device...** to search for new Bluetooth-compatible devices.
6. Select your Bluetooth-compatible computer to pair the device with the computer.

7. Enter a Bluetooth passcode and press the **Next** soft key. This passcode is used just once and you do not need to memorise it.

When you enter the same passcode on your computer, pairing is finished.

8. Enter a display name for the computer and press the **Next** soft key.
9. Check the services you want to use and press the **Done** soft key.

Note: **ActiveSync** must be checked on the service list. If **Serial** is available, instead, on the list, select it and make sure that a correct Bluetooth COM port is selected from the Connection Settings on the PC ActiveSync.

10. Press the **Done** soft key.

Synchronising information

To begin synchronisation, connect your device to your computer. For more information on connecting the device and the computer, see page 51. The Microsoft ActiveSync window on your computer automatically appears and synchronisation starts.

Once the synchronisation is completed, the device stays connected to the computer. If any change is made, ActiveSync automatically will begin synchronisation. To begin synchronisation, press the **Sync** soft key in ActiveSync on your device.

You can open the device's file directory by clicking **Explore** from the Microsoft ActiveSync window. You can then copy files quickly and easily from the device to the computer, or vice versa.

Note: To synchronise Bluetooth devices with a compatible computer, the computer must have the Bluetooth stack for Windows XP Service Pack 2.

Customising synchronisation settings

You can customise various setting options for synchronisation with a computer and a server, and set the synchronisation schedule.

First, you must terminate the connection between your device and computer. Disconnect the PC data cable or remove the device from the Bluetooth range.

Changing PC settings

1. In ActiveSync on your device, press the **Menu** soft key and select **Options**.
2. Highlight the computer name, such as **Windows PC**.
3. Press the **Menu** soft key and select **Settings**.
4. Change the computer name, set how to handle a data conflict between your device and computer, and set an event logging type.
5. Press the **Done** soft key.

6. Select the data types to be synchronised.
7. Press the **Done** soft key.

Note: For more information on the conditions that must be met on the computer and how to change synchronisation options, see ActiveSync Help.

Setting server synchronisation

You can synchronise information automatically as items arrive only if your company runs Microsoft Exchange Server with Exchange ActiveSync.

Configuring an Exchange Server connection

1. In ActiveSync on your device, press the **Menu** soft key and select **Add Server Source**.
2. Enter the server address and select **This server requires an encrypted (SSL) connection** to use an SSL protocol for server access.
3. Press the **Next** soft key.
4. Enter your Microsoft Exchange user name, password, and domain name.

To save the password for subsequent accesses, select **Save password**.
5. Press the **Next** soft key.
6. Select data types to be synchronised.

7. Press the **Menu** soft key to access the following options:
 - **Settings:** You can set the options for handling data for each data type.
 - **Advanced:** You can set how to handle a data conflict between your device and computer, and set an event logging type.
 - **Back:** You can return to the previous step.
8. When you have finished, press the **Finish** soft key.

Changing the synchronisation schedule

You can schedule synchronisation with the Microsoft Exchange Server on two separate times. Use the peak time schedule to synchronise during working hours or other times when you experience higher mail volumes. Use the off-peak time schedule to synchronise during times when you experience lower mail volumes.

1. In ActiveSync on your device, press the **Menu** soft key and select **Schedule**.
2. Set each option:
 - To synchronise periodically during peak times, select a frequency of synchronisation in the **Peak times** field.
 - To synchronise periodically during off-peak times, select a frequency of synchronisation in the **Off-peak times** field.
 - To use the peak time and off-peak time setting while roaming, select **Use above settings when roaming**.
 - To synchronise each time you select the **Send/Receive** option to send or receive e-mails, select **Send/Receive when I click Send**.
3. When you have finished, press the **Done** soft key.

Call functions



This chapter explains all of the call functions provided by your device.

■ ■ Turning the phone functions on and off

You can choose to turn off the phone functions and just use the PDA functions at any time and then turn it back on when you want.

Note: In many countries you may be required by law to turn off the phone functions while on a flight. Turning off the display of your device does not actually turn off the phone functions; you must turn off your wireless connection to your operator's network.


To turn off the phone functions and switch to Flight mode:

- On the Start Menu, scroll to the **My Settings** list → **Flight mode** and press the **Turn On** soft key.
- Press  on the Home screen and select **Wireless Manager**. Then select **Phone** to set it to **Off**.  appears on the top right corner of the screen.

To turn back on the phone functions:

Press the **Turn Off** soft key from the **My Settings** list. Select **Phone** to set it to **On** from the Wireless Manager screen.

■ ■ Using the Dialling screen


When you press , the Dialling screen opens. You can view the most recent calls you have dialled, received, and missed on the screen.

When you enter a digit, the Dialling screen lists all of the numbers containing the entered digit in Contacts and Call History, as well as the phone number assigned to the corresponding speed dial key.

■ ■ Making a call

You can make a phone call using the number keypad. As well as normal voice calls, you can make video calls in a 3G (UMTS) network.


Notes:

- In some networks, you may be unable to use call functions when HSDPA connections are enabled. If this happens, deactivate your device's HSDPA capability. Go to **Settings** → **More...** → **Connections** → **HSDPA** → **Disable**.
- During a call, your phone automatically locks the touch keys to prevent additional inputs. To unlock the keys, press  or any key.



To make a voice call:


1. On the Home screen, enter a number including an area code.

Note: If you press the alphabet keys, except for the number keys, the device will display the contact names containing the corresponding alphabet.


2. Press  to make a call.

When a call is connected, the call duration displays. During a call, you can use several call options. For details, see page 63.

To adjust the audio volume during a call, press / to increase or decrease the volume level.

3. Press  to end the call.


To make a video call:

1. From the Home screen, enter a number including an area code.
2. Press the **Menu** soft key and select **Video Call**.
3. Press  to end the call.

Advanced calling features

You can make a call from Contacts, Speed Dial, and Call History.

Making a call from Contacts


1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Contacts**.
3. Select a contact card from the contact list.
4. Select the number you want.
5. Press  for a voice call, or press the **Menu** soft key and select **Video Call** for a video call.

Making a call from Speed Dial

Speed Dial is a list you can create of often-dialled numbers. Information on adding a number to Speed Dial is detailed on page 66.







By memorising the position on the Speed Dial list, you can dial the number simply by entering that number of the speed dial key. The phone number assigned to the key appears on the Dialling screen.

Alternatively, if you do not remember the position of a number, access the Speed Dial list:


1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools**.
3. Press the **More** soft key and select **Speed Dial**.
4. Scroll to the contact name of the number you want.
5. Press  for a voice call, or press the **Menu** soft key and select **Video Call** for a video call.

Making a call from Call History



1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Calls**. The recent call list appears.

Note:  and  are for incoming calls,  and  are for outgoing calls, and  and  are for missed calls.

To view the calls categorised by call type, press the **Menu** soft key, select **Filter**, and select a category from the pop-up list.

3. Scroll to the number you want.
4. Press  for a voice call, or press the **Menu** soft key and select **Video Call** for a video call.


Making an international call

1. Press and hold  until the plus sign (+) appears. The + replaces the international access code.
2. Enter the full phone number you want to dial. It includes the country code, the area code (without the leading zero), and the phone number.
3. Press  for a voice call, or press the **Menu** soft key and select **Video Call** for a video call.

Note: You can set the country or dialling code to be added before the number when dialling. See page 70.

Making an emergency call

Your device provides the emergency number **112**. This number can normally be used to make an emergency call in any country, with or without a SIM card inserted, if you are within a mobile phone network's service area.




Enter the emergency number **112** and press .

Notes:


- Some service providers may require a SIM card to be inserted, and in some cases the PIN to be entered as well.
 - In some cases, other emergency numbers may also be accessed. Your service provider may save additional local emergency numbers on the SIM card.
-

Answering or ignoring a call

When a call comes in and the device rings or vibrates, depending on the ringer setting:

- Open the phone and then press  to answer the call. You can also answer a call by pressing any key or simply opening the phone, depending on the **Slide Settings** option. Press the **Start** soft key and then the **Main Menu** soft key, and select **Settings** → **More...** → **Slide Settings** → an option.
- Press the **Ignore** soft key or press  to reject the call. You can also press and hold  to reject the call.

Note: If you reject a call, the busy tone is sent out. Depending on your service provider, the caller may be guided to your voicemail server.



- Press  to mute the ringer.

Options during a call

Your device provides a number of control functions that you can use while a call is in progress.

Answering a second call

If a person is trying to call you when you are talking on the device, a notification window will pop out.

1. Press the **Answer** soft key or  to answer the second call and put the first on hold.
2. To switch back and forth between the two callers, press the **Swap** soft key.
3. To end the second call and go back to the first, press .

Using In-call options

During a call, you can access various options by pressing the **Menu** soft key.

For a voice call, the following options are available:

- **Switch to Video Call:** switches the current call to a video call.
- **Hold:** places the current call on hold.
- **Swap:** switches back and forth between the two callers.
- **Mute/Unmute:** turns off the microphone so that the person with whom you are speaking cannot hear you, or turns it back on.

- **Speakerphone On/Speakerphone Off:** turns on the speakerphone mode to talk and listen with the device a short distance away.
- **Conference:** makes a conference call when you have an active call and a call on hold. You can have a conversation with up to 5 people at the same time.
- **Private:** allows you to have a private conversation with the selected conference call participant.
- **Turn Hands-free On/Turn Hands-free Off:** switches the current call to a connected hands-free car kit or headset, or switches it back to the device.
- **Contacts:** opens the contact list.
- **Save to Contacts:** saves the phone number of the person with whom you are speaking.
- **View Contact:** opens the contact details, if the dialled number is stored in Contact.
- **View Calendar:** opens the calendar.
- **Call History:** opens the call history list.

For a video call, the following options are available:

- **Mute/Unmute:** turns off the microphone, or turn it back on.
- **Speakerphone On/Speakerphone Off:** turns on the speakerphone mode to talk and listen with the device a short distance away.
- **Turn Hands-free On/Turn Hands-free Off:** switches the current call to a connected hands-free car kit or headset, or switches it back to the device.
- **Save to Contacts:** saves the phone number of the person with whom you are speaking.


- **Display:** allows you to change the effect or quality of the camera image.
- **Advanced:** allows you to send the DTMF tones of numbers or a file to the person with whom you are speaking.
- **Switch to Voice Call:** turns off the camera and switches the call to a voice call.
- **Options:** allows you to change the options for video calls. For details, see page 74.

Call-related features

Checking your voicemail

The first speed dial location is assigned to your voicemail box by default. When you insert your SIM card into the device, it automatically detects and sets as default the voicemail centre number of your mobile service provider.

To check your voicemails:

On the Start Menu, scroll to the **Message Centre** list, and select **Voicemail**. You can also press and hold  from the Home screen.

Note: You can check and change the voicemail centre number. See page 70.

Managing the Speed Dial list

You can assign frequently-used phone numbers, e-mail addresses, or web pages in Contacts to the speed dial location 2 through 99. The location 0 and 1 on the Speed Dial list are preset for the international call prefix and the voicemail centre number, respectively.

Note: You cannot create a speed dial entry for a phone number stored on the SIM card.

Adding a contact to the Speed Dial list

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Contacts**.
3. Select a contact from the list.
4. Scroll to a number, e-mail address, or web page address.
5. Press the **Menu** soft key and select **Add to Speed Dial**.
6. If necessary, change the name you want.
7. In the **Keypad assignment** field, select a location number.
8. Press the **Done** soft key.

Deleting Speed Dial assignments

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools**.
3. Press the **More** soft key and select **Speed Dial**.
4. On the Speed Dial list, scroll to an entry.
5. Press the **Menu** soft key and select **Delete**.
6. Press the **Yes** soft key to confirm the deletion.

Managing your Call History

Call History details all incoming, outgoing, and missed calls, and also provides a summary of total calls. It can also tell you when a call was initiated and how long it lasted.

To open Call History:

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Calls**. A list of all calls appears.


If necessary, select the category of the call history to be displayed by pressing the **Menu** soft key and selecting **Filter**.

Viewing the missed calls

You can access the list of missed calls.

On the Home screen, press the **Start** soft key and scroll to the **Message Centre** list → **Missed Calls**.

Viewing details of calls

- To view the duration of a call and time and date you received or made it, scroll to the call you want to view and press .
- To save the phone number of a call to Contacts, scroll to the call you want and press the **Save** soft key.
- To view contact information, if saved in Contacts, press the **Menu** soft key and select **Find Contact**.
- To send an SMS message, press the **Menu** soft key and select **Send Text Message**.
- To send an e-mail message, press the **Menu** soft key and select **Email**.
- To delete an individual call, press the **Menu** soft key and then select **Delete**. To delete all calls, select **Delete List**.

Viewing call timers

In Call History, you can view the duration of your calls. This option is convenient for estimating your usage.

1. On the Call History screen, press the **Menu** soft key and select **View Timers**.

You can view the total call time, the last call time, the time of calls you received or made, including roaming calls and data calls, and a lifetime counter. You can also view the call time you reset last.

2. Press the **Done** soft key.

To erase the call time records, except for **Lifetime calls**, press the **Menu** soft key, select **Reset Timers**, and press the **Yes** soft key.

Customising your phone functions

You can personalise the settings of the phone functions, the services you have, and the network to which you have connected.

Accessing the phone setting options

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **Phone**.
3. Select a setting menu, and then set each option.
4. When you have finished, press the **Done** soft key.

Available setting options

All Calls

- **Band Selection:** This option allows you to select the network band in which your device will operate.
- **Call Cost:** This network feature lets you view the cost of calls. Viewing call cost may not be available, depending on particular SIM cards. For more information, contact your service provider.

Last call: shows the cost of the last call you made.

All calls: shows the total cost of all calls made since the cost counter was last reset. If the total cost exceeds the maximum cost set in the **Edit cost limit** option, you can no longer make any calls until you reset the counter.

Cost limit: shows the maximum cost set in the **Edit cost limit** option.

Press the **Menu** soft key to access the following options:

Reset call cost: allows you to reset the cost counter.

Edit cost limit: allows you to enter the maximum cost that you authorise for your calls. Calls can be made as long as the preset max cost is not exceeded.

Setup price/unit: allows you to set the cost of one unit. This price per unit is applied when calculating the cost of your calls.

- **Call Options:** You can customise settings related to call functions, such as voicemail and SMS access numbers and automatic dial codes.

Phone number: Check your phone number.

Voice mail number: When you insert your SIM card into your device, the device automatically detects and sets your voicemail access number by default. If not, you can manually enter the number obtained from your service provider.

Text messages service centre: When you insert your SIM card into your device, the device automatically detects and sets your SMS access number by default. If not, you can manually enter the number obtained from your service provider.

Country code: You can enter a country code. The code will be automatically added before a phone number when dialling.

Dialling code: You can enter an area code. The code will be automatically added before a phone number when dialling.

- **Caller ID:** When you place a call, your phone number can be displayed to or hidden from the person to whom you are calling. Using this option, you can enable or disable the display of your caller identification.
- **Channels:** This option allows you to set the cell broadcast (CB) message receipt and set up broadcast channels from which you want to receive CB messages.

Enable channels: Select to enable the receipt of CB messages.

Receive channel list: Select to receive a list of all available broadcast channels from the network.

Language: Select your preferred languages to display CB messages.

To edit the channel list, press the **Menu** soft key and select **Edit Channels**. Then press the **Menu** soft key and select the options for adding or editing channels.

- **Fixed Dialling:** When this option is activated, your device allows outgoing calls only to call the limited set of phone numbers. You can call only those numbers that are included in the Fixed Dialling Number list or which begin with the same digits as a phone number on the list.

Select **More...** to access the following options:

- **Networks:** You can set the device to automatically select a network when you are roaming out of your service area, or find and select the network you want.

Press the **Menu** soft key to access the following options:

Find a New Network: Search for all available networks. You can start searching when the device is out of your service area.

Select a Network: Select a network from the available networks.

Preferred Networks: Set up a list of your preferred networks. You can set priority of the networks or add networks manually by selecting them from the preset network list or entering their service ID codes.

Cancel: Exit the **Networks** menu.

- **Closed User Group:** This option allows you to set incoming and outgoing calls to be restricted to a selected user group. For details about how to create a closed user group (CUG), contact your service provider.

Use user group: Select to activate the CUG feature.

Outside access: Enable calls to numbers other than those in the closed user group. This feature depends on the nature of your CUG subscription.

Default group: Enable the default CUG, if you have set one with your service provider. When making a call, you are given the option of using your default CUG, instead of selecting one from the list.

Group Index: Set the index number of the user group.

- **Auto Answer:** Set the phone to answer a call after the specified period of time when it is connected to a headset. This feature is not available when you have set the ring type to **Silent**.

Voice Calls

- **Call Waiting:** This service allows you to receive another call while you have a call in progress. Select **Provided call waiting call notifications** to activate this service.

- **Call Barring:** This network service allows you to restrict your incoming or outgoing calls. To set up this service, you need to enter the call barring password obtained from your service provider.

For incoming call barring, the following options are available:

All Calls: No calls can be received.

When roaming: Calls cannot be received when you are using your device outside of your home service area.

Off: Call barring is deactivated; all calls can be received normally.

For outgoing call barring, the following options are available:

All Calls: No calls can be made.

Int'l except home: When abroad, calls can be made only to numbers within the current country and to your home country.

Int'l calls: International calls cannot be made.

Off: Call barring is deactivated; all calls can be made normally.

- **Call Forwarding:** This network service allows you to forward your incoming calls to another phone number.

Unconditional: All calls are forwarded.

No Reply: Calls are forwarded when you do not answer.

Busy: Calls are forwarded when you are on the device.

Unavailable: Calls are forwarded when your device is turned off or your device is out of your service area.

Video Calls

- **Outgoing Image:** You can set whether the device shows the camera view to the person with whom you are speaking, or select an image to be shown instead of the camera view.
- **Call Fail Options:** Select how to retry a video call when it fails.
- **Call Barring:** This network service allows you to restrict your incoming or outgoing calls. For details, see page 73.
- **Call Forwarding:** This network service allows you to forward your incoming calls to another phone number. For details, see page 73.

Own Numbers

You can store your phone numbers with separate descriptive names. Changes made with this option do not affect the actual subscriber number of your SIM card.

SDN

You can use the access numbers of the services supported by your service provider. This option may be unavailable depending on your SIM card.

Messaging and Internet

Messaging

In Messaging, you can create, send, receive, view, edit, and organise:

- Text messages (SMS)
- Multimedia message (MMS)
- Postcard
- E-mail messages

Note: Depending on your country, the Postcard feature may not be available.

To open Messaging:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key and select **Messaging**.

Working with SMS or MMS messages

You can write an SMS message of up to 160 characters. When you enter more than 160 characters, your device handles the message as a multi-part message.

You can also send or receive multimedia messages (MMS). In addition to the familiar text content of text messages, multimedia messages can contain images, video clips, audio clips, and combinations of these things in more than one page.

MMS also supports e-mail addressing, so that messages can be sent from device to e-mail or vice versa.

Creating and sending an SMS message

Note: You can select your preferred network type for sending SMS messages and validity period. Go to **Settings** and select **More...** → **Connections** → **More...** → **Send SMS Options** → **Network selection**. Then select the option you want.

1. On the Start Menu, scroll to the **Message Centre** list and select **SMS/MMS**.

Otherwise, on the SMS/MMS screen, select **SMS/MMS**.

2. Press the **Menu** soft key and select **New** → **SMS**.
3. In the **To** field, enter the recipients' phone numbers, separating them with a semicolon.

You can retrieve numbers from the contact list by pressing the **Menu** soft key and selecting **Add Recipient**.

4. Press the Down Navigation key and enter the message text.

To enter preset sentences, press the **Menu** soft key and select **My Text** → a sentence.

5. When you have finished composing the message, press the **Send** soft key.

Note: To know if your message is delivered to the recipient(s), press the **Menu** soft key, and select **Message Options** → **Request message delivery notification**.

Creating and sending an MMS message

1. On the Start Menu, scroll to the **Message Centre** list and select **SMS/MMS**.

Otherwise, on the SMS/MMS screen, select **SMS/MMS**.

2. Press the **Menu** soft key and select **New** → **MMS**.
3. In the **To**, **Cc**, or **Bcc** field, enter the recipients' numbers or addresses, separating them with a semicolon.

Note: The **Cc** and **Bcc** fields are above the **To** field.

You can also retrieve numbers or addresses from the contact list or the messages you have sent by pressing the **Menu** soft key and selecting **Add Recipients**.


4. Press the Down Navigation key to move to the **Subject** field and enter the message subject.
5. Press the Down Navigation key and enter the message text.

Note: Press the Down Navigation key to add a message text box.

6. Press the **Menu** soft key to access the following options for composing a message:
 - **Preview:** shows the multimedia message you created.
 - **Add Recipients:** allows you to add recipients' numbers or addresses.
 - **Edit Item:** allows you to edit the selected item.

- **Add:** allows you to add a media file or template.
 - **Attach:** allows you to attach a contact card or calendar item as a digital file format, or a media file.
 - **Edit Page:** allows you to add or delete pages, change the text style, or set the page order or duration.
 - **Save to:** allows you to save the message as a draft or as an MMS template.
 - **Cancel Message:** cancels sending the message.
 - **MMS Options:** allows you to change the options for MMS messages. See page 81.
7. When you have finished composing the message, press the **Send** soft key.

Viewing SMS or MMS messages

When you receive a new SMS or MMS message, the New Message icon () displays on the top line of the screen. Press the **Message** soft key to open the message.

You can also view messages you received, sent, composed but not sent by accessing the message folders.

To open the message folders:

On the SMS/MMS screen, press the **Menu** soft key and select **Folders**. The following default folders display:

- **Deleted Items:** contains messages that have been deleted from each folder.
- **Drafts:** stores draft messages that have not been sent.
- **Inbox:** contains received messages. Received push message and broadcast messages are also stored in this folder.



- **Outbox:** is a temporary storage place for messages waiting to be sent.
- **Sent Items:** stores the messages that have been sent.

To view a message:

1. On the Start Menu, scroll to the **Message Centre** list and select **SMS/MMS**.

Otherwise, on the SMS/MMS screen, open the message folder you want.

The icons on the message list tells you the message type.

- : SMS message
- : MMS message

Note: You can change the default settings for viewing a message. From any message folder, press the **Menu** soft key and select **Tools** → **Options** → **Display**.

2. Select the message you want to view.

If you open a push message from a WAP server, press the **Proceed** soft key to access the URL specified in the message.

3. Press the Left or Right Navigation key to view other messages.

To access message options:

From the message list, you can access the following options by pressing the **Menu** soft key; depending on the selected folder, available options may vary:

- **New:** allows you to compose a new message.

- **Reply:** sends a reply to the sender and/or all other recipients, or forwards the message to other people.
- **Mark as Unread/Mark as Read:** allows you to mark the message as unread or read. Unread messages are boldfaced on the message list.
- **Move:** allows you to move the message to other folders.
- **Folders:** allows you to access other folders.
- **Delete All:** deletes all of the messages in the current folder.
- **Delete All Read:** deletes all of the messages already read in the current folder.
- **Tools:** allows you to access the following options:
 - Switch Accounts:** allows you to switch to another message account.
 - Empty Deleted Items:** removes all deleted messages permanently from the phone.
 - Options:** allows you to change the options for the Messaging.
- **Copy to SIM/Copy to Inbox:** copies the message to the SIM card or the device's memory. This option is only available for SMS messages.
- **Send/Receive:** sends or receives messages.
- **MMS Options:** allows you to change the options for MMS messages. See page 81.

Viewing messages on the SIM card

Sometimes, text messages may be stored on the SIM card, depending on their specifications.

1. From the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools**.
3. Press the **More** soft key and select **My SIM Message**.
4. Scroll to the message you want and press the **View** soft key.

Configuring MMS settings

You can change the default MMS settings. From the message list, press the **Menu** soft key and select **MMS Options**. The following options are available:

- **Sending Options:** allows you to change the settings for sending MMS messages.

Priority: You can select the priority level of your messages.

Validity Period: You can select the length of time your messages are stored in the message centre after they are sent.

Delivery Time: You can select the time delay before messages are sent.

Creation Mode: You can set whether or not the device allows the MMS creation using unsupported files. Depending on your country, this option may be unavailable.

Size: You can select the maximum message size.

Hide address: You can set your caller ID to be hidden from outgoing messages.

Request delivery report: When this option is activated, the network informs you whether or not your message has been delivered.

Request read report: When this option is activated, your device sends a request for a read reply along with your message to the recipient.

- **Receiving Options:** allows you to change the settings for receiving MMS messages.

Home Network: Set how to retrieve new messages from the server while in your home network.

Roaming Network: Set how to retrieve new messages from the server while roaming around another network.

Reject Unknown Sender: Reject messages from unknown senders.

Report Allowed: Set the network to inform the sender when a message is delivered to you.

Advertisement Allowed: Accept advertisements.

Information Allowed: Accept information messages.

- **MMS Profiles:** allows you to set up and activate MMS profiles which are sets of MMS parameters required to send or receive MMS messages. To activate a profile, select it from the profile list.

Depending on your country, you may edit a profile. Press the **Menu** soft key and select **Edit**. You can change the following options:

Profile Name: Enter the profile name.

MMSC URL: Enter the URL address of the MMS centre.

Proxy: Activate or deactivate the proxy server. When this option is activated, the **Address** and **Port** options are activated.

Address: Enter the IP address of the gateway.

Port: Enter the port number of the gateway.

GPRS: Select a GPRS connection profile.

- **About:** shows version and copyright information.

Working with Postcard

You can send a postcard via the postal service, if your country supports it. The postal service will print your message as an actual postcard and deliver it to a recipient.

Note: Depending on your country, the Postcard feature may not be available.

Creating and sending a postcard

1. On the Messaging screen, select **SMS/MMS**.
2. Press the **Menu** soft key and select **New** → **Postcard**.
3. In the **To** field, press the **Menu** soft key and select **Add Recipient** → **Contacts** to retrieve an postal address from the contact list.
Or, select **New Contact** to enter a postal address.
4. Press the Down Navigation key and enter the message text.

5. Press the **Menu** soft key and select **Add** → **Picture** → a photo from the thumbnail images. Or, select **New Picture** and take a new photo.
6. When you have finished composing the postcard, press the **Send** soft key.

Working with e-mail messages

You can send and receive e-mail messages in one of these ways:

- Synchronise e-mail messages with Microsoft Exchange or Microsoft Outlook on your PC.
- Send and receive e-mail messages by connecting directly to an e-mail server through an Internet Service Provider (ISP) or a network.

Synchronising e-mail messages

Use the **Outlook Email** account to send and receive e-mail messages by synchronising e-mail messages with Microsoft Exchange or Microsoft Outlook on your PC. You will need to enable Email Inbox synchronisation in ActiveSync.

During synchronisation:

- Messages are copied from the mail folders of Exchange or Outlook on your PC to the **Outlook Email** folders on your device.
- E-mail messages in **Outlook Email** on your device are transferred to Exchange or Outlook, and then sent from those programs.

Connecting directly to an e-mail server

You can send and receive e-mail messages by connecting to an e-mail server. You'll need to set up a remote connection to a network or an ISP, and a connection to your e-mail server.

When you connect to the e-mail server, new messages are downloaded to the device's Inbox folder. Also, messages in the device's Outbox folder are sent and messages that have been deleted on the e-mail server are removed from the device's message folders.

Folder behavior with a direct connection to an e-mail server

The behavior of the folders you create depends on whether you are using POP3 or IMAP4.

- If you use POP3 and you move e-mail messages to a folder you created, the link is broken between the messages on the device and their copies on the mail server. The next time you connect, the mail server will see that the messages are missing from the device and delete them. This prevents you from having duplicate copies of a message, but it also means that you will no longer have access to messages that you move to folders created from anywhere except the device.
- If you use IMAP4, the folders you created and the e-mail messages you moved are mirrored on the server. Therefore, messages are available to you anytime you connect to your mail server. This synchronisation of folders occurs whenever you connect to your mail server; create new folders or rename/delete folders when connected.

Creating an e-mail account in Messaging

You need to create a new account to be used for retrieving and sending e-mail messages.

To make a new account:

1. From the Messaging screen, select **New Email Account...**
2. Enter your e-mail message and press the **Next** soft key.

For manual setup, clear **Try to get e-mail settings automatically from the Internet.**

3. Select your e-mail service provider. To add Internet e-mail accounts, select **Internet email** and press the **Next** soft key.
4. Enter your name and account display name, and press the **Next** soft key.
5. Enter your incoming mail server, select the account type, and press the **Next** soft key.
6. Enter your user name and password, and press the **Next** soft key.
7. Enter your outgoing mail server (SMTP) and press the **Next** soft key.

To enable SMTP authentication, which requires the user to login before sending e-mails, select **Outgoing server requires authentication.**

If you want the SMTP server to have the same parameters as the IMAP4 server, select **Use the same name and password for sending email.**

To configure advanced settings, such as SSL or Internet connection settings, select **Advanced Server Settings**.

8. Select how often your phone automatically connects to the server and checks for incoming e-mail messages, and press the **Finish** soft key.

Creating an e-mail account with Email Wizard

Email Wizard provides a quick and easy setup procedure for creating a new e-mail account. *You can also set up e-mail accounts for Push e-mail.*

To set up an Internet e-mail account:

1. On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Applications**.
2. Press the **More** soft key and select **Email Wizard**.
3. Select **POP/IMAP** and press the **Next** soft key.
4. Select **Create New Account** and press the **Next** soft key.
5. Select the predefined e-mail provider and press the **Next** soft key. If you select **New email provider**, enter the e-mail provider.
6. Enter your name and e-mail address and press the **Next** soft key.
7. Select an e-mail server type, enter an account name, select a network type, and press the **Next** soft key.
8. Enter your user information, such as user name, password, and domain name, and press the **Next** soft key.

9. Enter your incoming mail server and outgoing mail server, and press the **Next** soft key.

To enable SMTP authentication, which requires the user to login before sending e-mails, select **Outgoing server requires authentication**.

10. Set the options for downloading e-mail messages and press the **Next** soft key.
11. Select how often your device automatically connects to the server and checks for incoming e-mails, and press the **Next** soft key.
12. Press the **Finish** soft key.

To set up an Exchange Server account:

You can create an e-mail account using Windows Mobile Messaging and Security Feature Pack (MSFP), which includes Direct Push Technology to synchronise with Exchange Server. This help you stay connected to e-mails, calendar items, contacts, and tasks while away from the office.

1. On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Applications**.
2. Press the **More** soft key and select **Email Wizard**.
3. Select **MS Push-email (MSFP)** and press the **Next** soft key.
4. Enter the Microsoft Exchange server address and press the **Next** soft key.

5. Enter your user information, such as user name, password, and domain name, and press the **Next** soft key.
6. Select the items to be synchronised with **Exchange** server.
7. Press the **Finish** soft key.
8. When the ActiveSync screen appears, press the **Sync** soft key.

To set up a push e-mail account:

The Visto e-mail client will provide secure, reliable push e-mail capabilities between your device and mail servers such as Microsoft Exchange and Lotus Notes, as well as access to POP3/IMAP mail servers. This help you stay connected to e-mails, calendar items, contacts, and tasks while away from the office.

Note: Depending on your country, the Visto client may not be available. For more information, contact your service provider.

1. On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Applications**.
2. Press the **More** soft key and select **Email Wizard**.
3. Select **Push-email** and press the **Next** soft key.
4. Select **New Push Email Program** and press the **Next** soft key.
5. Enter the program name and the path.

6. Press the **Next** soft key and select **Finish**.
7. Press the **Yes** soft key to activate the program.

Editing an account

1. From the Messaging screen, scroll to the account you want to edit.
2. Press the **Menu** soft key and select **Settings**.
3. Change the account settings as you would when creating it.

Using a Vodafone mail account

If your wireless carrier enables Vodafone e-mail on your device, you can configure the e-mail accounts you want Vodafone mail to handle.

On the Start Menu, scroll to the **Message Centre** list and select a Vodafone mail account.

Note: Depending on your country, this menu may be available but labelled differently. For more information, contact your service provider.

Creating and sending an e-mail message

1. On the Messaging screen, select the e-mail account with which you want to send.
2. Press the **Menu** soft key and select **New**.

3. In the **To**, **Cc**, or **Bcc** field, enter the recipients' e-mail addresses, separating them with a semicolon.

Note: The **Cc** and **Bcc** fields are above the **To** field.

You can retrieve addresses from the contact list by pressing the **Menu** soft key and selecting **Add Recipient**.

4. Press the Down Navigation key to move to the **Subject** field and enter the e-mail subject.
5. Press the Down Navigation key and enter the message text.

To enter preset sentences, press the **Menu** soft key and select **My Text** → a sentence.

You can add a picture or voice note as an attachment by pressing the **Menu** soft key and selecting **Insert** → an item type.

6. When you have finished composing the message, press the **Send** soft key.

Viewing e-mail messages

You can also view messages you received, sent, composed but not sent by accessing the message folders.

To open the message folders:

On the Messaging screen, access the e-mail account you want, press the **Menu** soft key, and select **Folders**.

The following default folders display:

- **Deleted Items:** contains messages that have been deleted on your device.
- **Drafts:** stores draft messages that have not been sent.
- **Inbox:** contains received messages.
- **Outbox:** is a temporary storage place for messages waiting to be sent.
- **Sent Items:** stores the messages that have been sent.

To view an e-mail message:

1. On the Messaging screen, select the e-mail account from which you want to receive e-mail messages.
2. Press the **Menu** soft key and select **Send/Receive**.

The device connects to your e-mail server and receives incoming e-mail messages or sends e-mail messages in Outbox.

3. Select the message you want to view.

To access message options:

From any message folder, you can access the following options by pressing the **Menu** soft key:

- **New:** allows you to compose a new e-mail message.
- **Reply:** sends a reply to the sender and/or all other recipients, or forwards the message to other people.
- **Mark as Unread/Mark as Read:** allows you to mark the message as unread or read. Unread messages are boldfaced on the message list.
- **Move:** allows you to move the message to other folders.
- **Folders:** allows you to access other folders.

- **Tools:** allows you to access the following options:
 - Switch Accounts:** allows you to switch to another message account.
 - Empty Deleted Items:** removes all deleted messages permanently from the phone.
 - Options:** allows you to change the options for the Messaging.
- **Download Message/Do Not Download:** allows you to set the device to download the complete contents of the e-mail from the e-mail server, or cancel the download setting.
- **Send/Receive:** sends or receives e-mail messages.

Setting downloading options

You can specify your downloading preferences when you set up the account or select your synchronisation options.

- Change options for Email Inbox synchronisation using ActiveSync on your computer. For more information, see "ActiveSync Help."
- Change options for direct e-mail server connections in Inbox on your device. Press the **Menu** soft key and select **Tools** → **Options** → **Account Settings**. Then change the settings for the selected account.

Viewing e-mail attachments

To download an attachment, select **Get entire message and any attachments** in an open message, or press the **Menu** soft key and select **Download Message**. It will be downloaded the next time you synchronise or connect to your e-mail server. To view an attachment, select the attachment in an open message.

Inserting signatures into messages

You can specify a signature to be automatically inserted into SMS or e-mail messages that you send.

To specify a signature:

1. From any message folder, press the **Menu** soft key and select **Tools** → **Options** → **Signatures**.
2. Select the account for which you want to specify from the **Select an account** field.
3. Select **Use signature with this account**.
4. To insert a signature in every messages, including when you reply or forward the message, select **Include when replying and forwarding**.
5. Enter a signature to be inserted and press the **Done** soft key.

live!

You can access the web-based services provided by Vodafone, such as Vodafone live!, Vodafone shop, and Mobile TV.

Accessing Vodafone live!

Using Vodafone live!, you can access the web-based services provided by your service provider.

To access Vodafone live!:

On the Home screen, press the **live!** soft key. You can also select **Vodafone live!** from the **live!** list on the Start Menu.

The preset web links to various services provided by Vodafone are available. For further details about navigating the browser, see "Navigating the Internet Explorer" on page 97.

Accessing Vodafone shop

Vodafone shop allows you to access the online mobile content shop, Handango, which provides mobile content or applications for mobile phones. You can browse the catalog and purchase software applications.

To access Vodafone shop:

1. On the Home screen, press the **Start** soft key.
2. Scroll to the **live!** list and select **Vodafone shop**.
3. Browse the online content mobile shop and purchase the content you want.

Using Mobile TV

Using the Mobile TV service, you can stream live TV programs and sports events on your device. You can also stream movies and live conferences while on the move.

Streaming videos

Streaming video is any kind of video programming that is broadcast over the Internet and delivered to your device as you are watching it.

You can watch streaming videos if:

- Your mobile service provider provides **Mobile TV** service.
- You subscribe to a Mobile TV channel package.
- You are in an area that receives third-generation (3G) wireless services.

To watch a streaming video:

1. On the Home screen, press the **Start** soft key.
2. Scroll to the **live!** list and select **Mobile TV**.
3. Navigate to the channel you want to watch and select it.

The program on that channel will begin to play in Windows Media Player.

Internet Explorer

Use Microsoft® Pocket Internet Explorer to view Web HTML, cHTML, and WAP pages. You can browse by connecting to an Internet Service Provider (ISP) or network and browse the Web. To do this, you'll need to create the connection first as described on page 174.

When connected to an ISP or network, you can also download files and programs from the Internet.

To open Internet Explorer:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key and select **Internet Services** → **Internet Explorer**.

Connecting to a website

1. To connect and start browsing, do one of the following:
 - Press the **Menu** soft key and select **Address Bar**. Enter the web address you want to visit or select a page from the history list.
 - Press the **Favourites** soft key and scroll to the page you want to view from the Favourites list.
2. Press the **Go** soft key on the browser to open the associated web page.

Navigating the Internet Explorer

From web pages, you can use the following options:

To	Press
scroll through browser items	the Navigation keys.
select a browser item	○.
return to the previous page	⏪.
refresh the connection	the Menu soft key and select Refresh .
change the display options	the Menu soft key, select View , and select the option you want.

To	Press
view information on the web page	the Menu soft key and select Tools → Properties .

Using the Favourites list

You can store your favourite links while using the Internet Browser and then access them easily at a later time. Categorising them enables you to find them more quickly.

Adding a web page to the Favourites list

1. Go to the page you want to add, press the **Menu** soft key, and select **Add to Favourites**.
2. Change the name for the favourite link, if necessary.
3. Select a category under which you want to save the favourite link from the **Folder** field.

You can also create a new category. See “Managing Favourites categories.”

4. Press the **Add** soft key.

Opening a link through the Favourites list

1. On the Internet Explorer screen, press the **Favourites** soft key.
2. Scroll to the link you want to access.

If the link you want is in a certain folder, open the folder and scroll to the link.

3. Press the **Go** soft key.

Managing Favourites categories

You can create a new category for saving favourite web pages, and rename or delete the created categories.

To add a category:

1. On the Internet Explorer screen, press the **Favourites** soft key.
2. Press the **Menu** soft key and select **Add Folder**.
3. Enter a category name and press the **Add** soft key.

To edit the categories:

Scroll to the category you want, press the **Menu** soft key, and select **Edit** or **Delete** to rename or delete the selected category.

Changing Explorer options

You can customise web browsing options, change the connection settings, and clear memory. On the Internet Explorer screen, press the **Menu** soft key and select **Tools** → **Options**.

The following options are available:

- **General:** You can select whether or not to play sounds on web pages, view the warnings when you move from a secure web page to a non-secure one, or enable or disable the receiving and sending of cookies. You can also select the text encoding type to use.
- **Connections:** You can change the network setting to connect to Internet Explorer. If you select **Automatically detect settings**, your device automatically detects network settings from your service provider.

- **Memory:** You can check the amount of memory currently being used for the Internet Explorer. To clear the memory, scroll to a type of memory and press the **Clear** soft key.

Windows Live

Windows Live™ is a new set of web services that extends your Windows experience. When connected to Windows Live, you are ready to get the information you want, the people you care about, and powerful protection together.

Using Windows Live

Windows Live™ on your device allows you to access Windows Live websites and services, such as Windows Live Hotmail, Windows Live Messenger, Windows Live Search bar, and Windows Live Spaces.

Setting up Windows Live

Note: You must have a Windows Live™ Hotmail address and password to use this service.

1. On the Home screen, press the **Start** soft key.
2. Scroll to the **Windows Live** list and select **Windows Live Hotmail**.
3. Select the **Sign in to Windows Live** tab.
4. Press the **Accept** soft key to agree to the Windows Live Terms of Use and Privacy Statement.

5. Enter your e-mail address and password of your Windows Live Hotmail and then press the **Next** soft key.
6. Select the check boxes next to **Live Search bar** or **Windows Live services** to display the Live Search bar or Service link on the Home screen and then press the **Next** soft key.
7. Select the check boxes next to the content type you want to sync and then press the **Next** soft key.
8. When the setup is complete, press the **Done** soft key.

Signing in to Windows Live

1. On the Home screen, press the **Start** soft key.
2. Scroll to the **Windows Live** list and press the **Windows Live** soft key.
3. Select **Sign In** and enter your e-mail address and password.
4. Select **Log In**.

Note: To sign out, select **Sign Out** → **Go**.

Using Live Search


Live Search for mobile is a personalised search engine with new toolbars, search boxes, and more.


Using Live Search, you can:

- search the web and find the answer you're looking for.
- get today's headlines or search for specific stories.

- find local businesses, restaurants, and shopping in your neighborhood or where you travel.
- get maps and detailed driving directions, and get an approximate distance.
- view the up-to-date traffic conditions.

To use Live Search:

1. On the Home screen, press the **Start** soft key.
2. Scroll to the **Windows Live** list and select **Live Search**.
3. Enter the text you want to find in the Live Search bar and press .

Note: If you have the Live Search bar on the Home screen, scroll to the Search bar, and enter the text you want and press .

Using Windows Live Messenger

You can use Windows Live Messenger on your device to chat with friends or coworkers.

Signing In

To use the Windows Live Messenger service, you must have a Microsoft Passport account or **Windows Live Hotmail** account, or a Microsoft Exchange e-mail account. If you have a **Windows Live Hotmail** account, you already have a Passport. Once you have obtained either a Microsoft Passport or a Microsoft Exchange account, you are ready to set up your account.

Note: Sign up for a Microsoft Passport account at www.passport.com. Get a free [Windows Live Hotmail](#) or Microsoft Hotmail account at www.hotmail.com.

To sign in:

1. On the Home screen, press the **Start** soft key. Then scroll to the **Windows Live** list and select **Windows Live Messenger**.

2. Press the **Sign in** soft key.

If you sign in to the Messenger for the first time, press the Left or Right Navigation key to select your login status and press the **Sign in** soft key.

Note: If you have the Windows Live services appear on the Home screen, scroll left or right in the Windows Live services bar to select **Messenger**.

If you did not set up Messenger through the Windows Live setup, do the following after pressing the **Sign in** soft key.

1. Press the **OK** soft key to confirm adding Messenger contacts to your device.

2. Press the **Accept** soft key to agree to the Windows Live Terms of Use and Privacy Statement.

3. Enter your e-mail address and password of your Windows Live Hotmail and then press the **Next** soft key.

4. Select the check boxes next to **Live Search bar** or **Windows Live services** to display the Live Search bar or Windows Live services on the Home screen and then press the **Next** soft key.
5. Select the check boxes next to the content type you want to sync and then press the **Next** soft key.
6. When the setup is complete, press the **Done** soft key.

Working with Messenger

Your upgraded Messenger allows you to:

- see who is online.
- send or receive instant messages.
- have instant message conversations with group of contacts.
- synchronise your Messenger contacts with Outlook contacts.

When you sign into Messenger, the Messenger screen shows the **Online** and **Offline** categories with the number of contacts in each category. Select a category to view the Messenger contacts.

- To change your login status, press the **Menu** soft key and select **Change status** → a status type.
- To change personal settings, press the **Menu** soft key and select **Change appearance**. You can change your display name, personal message, and display picture.
- To add a contact, press the **Menu** soft key and select **Add new contact**.

- To delete a contact, scroll to the contact and press the **Menu** soft key and select **Contact options** → **Remove contact**.
- To view the properties of a contact, scroll to the contact and press the **Menu** soft key and **Contact options** → **View contact's info**.
- To block a contact from chatting with you, scroll to the contact and press the **Menu** soft key and select **Contact options** → **Block contact**. To cancel the blocking, select **Contact options** → **Unblock contact**.
- To sign out, press the **Menu** soft key and select **Sign out**.

Chatting on Messenger

1. Scroll to the contact with whom you want to chat and press the **Send IM** soft key.
2. Enter your message in the text entry area at the bottom and press the **Send** soft key.

You can insert emoticons to your message by press the **Menu** soft key and selecting **Add emoticon**.

3. During a chat, use the following options:
 - To invite another contact to the current chat, press the **Menu** soft key and select **Options** → **Add participant**. Select the contact you want and press the **Add** soft key.
 - To transfer a file, press the **Menu** soft key and select **Send** → a file type → a file.
 - To record and send a voice clip, press the **Voice clip** soft key. After recording, press the **Send** soft key to send it.

- To switch between the contacts screen and the chat window, press the Left or Right Navigation key.
4. To end the chat, press the **Menu** soft key and select **End conversation**.

Changing Messenger settings


On the Messenger screen, press the **Menu** soft key and select **Options** to access the following options:

- **Automatically play voice clips:** Set the phone to play video clips automatically when it is arrived without selecting **Play** on the chat window.
- **Notification type:** Change the notification type to be used for alerting you to a new instant message.
- **Font for conversations:** Change the font size to be used for displaying messages on the chat window.

Using Windows Live Hotmail

You can have free e-mail accounts with security features and send and read e-mail messages on the device via the Microsoft Hotmail service. Using Push e-mail, your Inbox can be always up-to-date.

Using Windows Live Hotmail

1. On the Home screen, press the **Start** soft key and scroll to the **Windows Live** list and then select **Windows Live Hotmail**.
2. Press the Down Navigation key from the Live Search bar and press the Left or Right Navigation key to scroll to **Mail**. Then press .

3. Press the **Menu** soft key and select **Send/Receive**.
4. Scroll up or down on the message list and select the message you want to open.

Note: If you have the Windows Live services appear on the Home screen, scroll left or right in the Windows Live services bar to select **Mail**.

Changing e-mail settings

1. On the Home screen, press the **Start** soft key.
2. Scroll to the **Windows Live** list and select **Windows Live Hotmail**.
3. Press the **Menu** soft key and select **Account options**.
4. Change the e-mail settings you want.

Using Windows Live Sync

You can use Windows Live Sync to synchronise your Windows Live Messenger, contacts, and Windows Live Hotmail.

Synchronising with Windows Live

1. On the Home screen, press the **Start** soft key and scroll to the **Windows Live** list and then select **Windows Live Hotmail**.

2. Press the Down Navigation key from the Live Search bar and press the Left or Right Navigation key to scroll to **Sync**. Then press .

Note: If you have the Windows Live services appear on the Home screen, scroll left or right in the Windows Live services bar to select **Sync**.

Using Windows Live Spaces

Windows Live™ Spaces is an easy-to-use blogging service. With **Windows Live Spaces**, you can share your photos, stories, and more with your friends and family and stay connected to your community when you are on the move.

To access Windows Live Spaces:

On the Home screen, press the **Start** soft key and scroll to the **Windows Live** list and then select **Windows Live Spaces**.

Changing the windows Live Home screen options

On the Start Menu, scroll to the **Windows Live** list and select **Windows Live Hotmail**. Then Press the **Menu** soft key and select **Options** to access the following options:

- **Home screen options:** Set the Windows Live Search bar or Windows Live services to be displayed on the Home screen.
- **Sync options:** Change the content type you want to sync.

- **Sync schedule:** Change the frequency with which your device synchronises Windows Live Hotmail and Windows Live Messenger contact information.
- **Sync status:** Check the synchronisation result and when was the phone last synchronised.
- **Messenger:** Change the Messenger settings.
- **E-mail:** Manage the size of the e-mail preview by adjusting the number of characters, and also control whether messages are sent immediately or held until you manually synchronise with Windows Live Hotmail.

eBay


eBay is the online market enabling trades on a local, national and international basis. It offers a broader range of e-commerce services. You can bid or buy items directly from your device.

Note: Depending on your country, eBay may not be available.

To access eBay:

On the Home screen, press the **Start** soft key. Press the **Main Menu** soft key and select **Internet Services** → **eBay**.

When you access eBay for the first time, follow the initial setup process. You need to select a language, an eBay website to be used for the startup web page. Then read the terms and conditions of service listed on the screen and press the **Accept** soft key.

To use eBay, press the Up or Down Navigation key to scroll through the screen and press the Left or Right Navigation key to change tabs. To select an item, press .

Using the Hot tab

From the Hot tab, you can use the following features:

- To check information of eBay on your device, select **Getting Started**.
- To view a list of items that can be found on eBay grouped by a theme or category, select **Top Mobile Searches**.
- To view the list with the most popular keywords, select **Popular Keywords**.

Using the Find It tab

You can enter a search term in a text field for an item on eBay. The list contains all or part of the text entered appears.

Press the **Actions** soft key and select **Advanced Search Options** to search efficiently.

Using the My eBay tab

You can check your activity on eBay. You may be required to enter your ID and password to login. Your activity on the device may be synchronised to the eBay website.

Press the **Actions** soft key and select **Update My eBay** to refresh the page.

Using the Alerts tab

You can set up alerts to let you know changes to an auction.

When an icon appears on the eBay screen, access the Alerts tab and receive alerts.

Press the **Actions** soft key and select **Get new alerts** to receive new alerts.

Configuring the eBay settings

You can change a language, eBay website, and data connection speed. You can also set the device download photos automatically and activate sounds.

You can also reset all the settings and clear all data stored on the device.

On the eBay screen, press the **Actions** soft key and select **Settings**.

Google Maps

Using Google Maps, you can search the online maps for streets, cities, or countries. Google Maps also provides you with the road guides to specified destinations or allows you to view local business information, including locations and contact information.



Note: Depending on your country, Google Maps may not be available.

To access Google Maps:


On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Internet Services** → **Google Maps**.

Press the **Accept** soft key if the Terms and Condition screen appears, and then press the **OK** soft key to load the online map.

Searching maps

Press the Navigation keys to scroll through the map and press  or  to zoom in on the location you want. To zoom out, press the **Zoom** soft key. Repeat until you find the place you want.

From the map, you can use the following features:

- To change the view mode to the satellite image with superimposed map data, press the **Menu** soft key and select **Change View** → **Satellite**.
- To check the real-time traffic conditions, press , or press the **Menu** soft key and select **Show Traffic**. Each colour represents how fast the traffic is moving:

Green: more than 50 miles per hour

Yellow: 25 - 50 miles per hour


Red: less than 25 miles per hour

Gray: no data currently available

- To find out your current location, press , or press the **Menu** soft key and select **Track Location**.

Searching for a specific location

1. On the map, press the **Menu** soft key and select **Find Location...**
2. Enter the address of the place you want to find and press the **OK** soft key.


3. Press  and then the **Options** soft key to use options. The following options are available:
 - **Directions To...**: Set the location to your destination.
 - **Directions From...**: Set the location to the point of your departure.
 - **Send as Text Messages...**: Send the location information via SMS.
4. To clear the information on the map, press the **Menu** soft key and select **Clear Map**.

You can use an address stored in a contact card to search the map. Press the **Menu** soft key and select **Options** → **Lookup contact...** Then select a contact card and the address you want.

Searching for businesses

1. On the map, move to the position you want.
2. Press the **Menu** soft key and select **Find Nearby Business...**
3. Enter the category of the business you want and press the **OK** soft key.

The phone searches for the locations of the businesses which are near from the currently selected position and shows the name of the nearest one.



4. Press the number keys or  to view more results.
5. Press the corresponding number key again to view details of the currently selected business.

6. Press the **Options** soft key to check the direction to the business or make a call to the business.
7. To clear the information on the map, press the **Menu** soft key and select **Clear Map**.





Getting directions to a specific destination

You can get directions from one location to another location by marking each location on the map or manually entering the addresses of each location if you know the exact addresses.

By marking locations on the map

1. Press  on a starting location and select **Mark start point**.
2. Move to an ending location, press  and select **Mark end point**.





The phone shows the distance and the driving time between the specified locations.

3. Press the **OK** soft key.
4. Press  or  to check the driving directions to the destination. To return to the previous way, press  or .
5. To clear the information on the map, press the **Menu** soft key and select **Clear Map**.

By entering addresses of the locations

1. On the map, press the **Menu** soft key and select **Directions...**
2. Enter the address of the starting location and press the Down Navigation key.
3. Enter the address of the ending location and press the **OK** soft key.

The phone shows the distance and the driving time between the specified locations.

4. Press the **OK** soft key.
5. Press  or  to check the driving directions to the destination. To return to the previous way, press  or .
6. To clear the information on the map, press the **Menu** soft key and select **Clear Map**.

Resetting Google Maps

You can clear all data you have searched for by resetting Google Maps. Your phone will clear the history of your searches and cache for the map images, delete cookies, and reset all of your settings on the map.

1. Press the **Menu** soft key and select **Options** → **Reset Google Maps**.
2. Press the **Reset** soft key.

RSS Reader

RSS Reader allows quick and easy access to real-time news, headlines, and more. It will collect news from various websites and provides it to you in a simple form.

To open RSS Reader:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key and select **Applications**. Press the **More** soft key *twice* and select **RSS Reader**.

Reading the latest news

1. From the news feed list, press the **Update** soft key. The device connects to the network and updates the news Feed list with the latest news.
2. Press the **Done** soft key to return to the feed list.
3. Select a different feed.
4. Select a headline which interests you. The Internet Explorer launches and you can access the corresponding news website.

Searching for news reports

You can search for news reports by entering a keyword for the subjects in which you have a interest.

1. Press the **Menu** soft key and select **Feed search**.

2. Enter a keyword and press the **Search** soft key. Your device searches for related reports on the Internet and displays the results.
3. Select the headline you want.

Exporting or importing feeds

You can export a feed as an OPML (Offline Processor Markup Language) file format or import OPML files from other sources.

To export a feed:

1. Scroll to a feed from the list.
2. Press the **Menu** soft key and select **OPML** → **Export**.
3. Select the file folder in which you want to save the file.
4. Enter a file name and press the **OK** soft key.
5. Press the **OK** soft key.

To import a feed:

1. Scroll to the folder to which you want to import a feed.
2. Press the **Menu** soft key and select **OPML** → **Import**.
3. Choose **Select OPML file** to import a feed from an OPML file, or **Enter OPML URL** to import a feed from a website.

4. Select the file to import or enter a URL address and press the **OK** soft key.

Changing RSS reader settings

Press the **Menu** soft key and select **Options** to access the following options:

- **Folder update setting/Feed update setting:** You can change the settings for folder or feed updates.
- **All update setting:** You can change the settings for updates for all elements of RSS Reader.
- **Page option:** You can select the option for deleting expired pages, and set the maximum number of expired pages to be stored. If the number of the pages reaches the limit, the oldest pages will be automatically deleted.
- **Proxy:** You can set the address and port number of the proxy server for retrieving RSS content from the network.
- **About:** You can view version and copyright information.

Organiser

This chapter explains how to use Personal Information Management (PIM) programs to keep track of contacts and appointments, and make a list of tasks you need to do.

Contacts

Contacts maintains a list of your friends and colleagues so that you can easily find the information you are looking for, whether you are at home or on the road.

To open Contacts:

Choose one of the following ways:

- On the Start Menu, scroll to the Favourite Contacts list and press the **All Contacts** soft key.
- On the Home screen, press the **Start** soft key. Then press the **Main Menu** soft key and select **Contacts**. You can view the list of contact cards that you have created.

Creating a contact card

You can save a new contact card in the device's memory or on the SIM card.

Creating a contact card in the device's memory

1. On the Contacts screen, press the **New** soft key and select **Outlook Contact**.
2. Enter a name and other contact information.

You can add a personal ringtone to a contact card. Scroll to the **Custom ring tone** field and select the ring melody you want.

Select the **Picture** field to add an image for the caller ID image. To remove the added image, press the **Menu** soft key and select **Remove Picture**.

To assign the contact card to a category, scroll to the **Categories** field and select a category.

3. When you have finished, press the **Done** soft key.

Creating a contact card on the SIM card

1. On the Contacts screen, press the **New** soft key and select **SIM Contact**.
2. Enter the name of the person you want to add.
3. Scroll to the **Number** field and enter the number you want to store.
4. Press the **Done** soft key.

Creating a contact card from the Dialling screen

1. On the Home screen, enter the phone number and press the **Save** soft key.
2. Select **<New Contact>** to create a new contact card.
To add the phone number to an existing contact card, select the contact card.
3. Enter a name.
4. Scroll to the **Number type** field and select a number type of the phone number to be saved.
5. Fill in the other fields and press the **Save** soft key.

Viewing and editing a contact card

When you access Contacts, the contact list displays the names of your contacts alphabetically, along with an abbreviation for the primary contact number or e-mail address, such as the person's work phone number (**w**) or mobile phone number (**m**).

The following table shows possible abbreviations that might be displayed on the contact list and their meanings:

Abbreviation	Meaning
w/w2	work phone/work2 phone
h/h2	home phone/home2 phone
m	mobile phone
co	company phone
pgr	pager
car	car phone
ast	assistant phone
rdo	radio phone
e/e2/e3	e-mail/e-mail2/e-mail3
im/im2/im3	IM/IM2/IM3
web	web page

To open a contact card:

1. On the contact list, select the contact card you want to view.



2. On the summary screen:
 - To edit the contact information, press the **Menu** soft key and select **Edit**.
 - To send an SMS message or MMS message, press the **Menu** soft key and then select **Send Text Message** or **Send MMS**.
 - To send a postcard, press the **Menu** soft key and select **Send Postcard**. Depending on your country, this option may not be available.
 - To dial a number, select the number or press the **Call** soft key. To make a video call, press the **Menu** soft key and then select **Video Call**.
 - To send an e-mail, scroll to the e-mail address and press the **Email** soft key.
 - To access a web page, scroll to the web page address and press the **Browse** soft key.

Searching for a contact card

You can search for a contact card in Contacts by entering its associated name. You can start searching directly from the contact list or by using the SmartSearch program.

Searching from the contact list

1. On the contact list, press the alphanumeric keys corresponding the letters of the name you want.

The device highlights the first contact card matching your input.
2. Press  to open the contact card.
3. Scroll to a number and press  or the **Call** soft key to dial.

Searching using SmartSearch

For further details about using the SmartSearch program, see page 39.

Adding a number or address to the Speed Dial list

You can assign a shortcut number to a phone number for speed dialling or to an e-mail or URL address for quick access.

1. On the contact list, select the contact card you want.
2. Scroll to the number or address you want.
3. Press the **Menu** soft key and select **Add to Speed Dial**.
4. If necessary, change the name and select a keypad location.
5. Press the **Done** soft key.

Adding a number or address to the Favourites list

You can assign a shortcut to a phone number, an e-mail or URL address for quick access.

To add a number or address:

1. On the contact list, select the contact card you want.
2. Scroll to the number or address you want.
3. Press the **Menu** soft key and select **Add to Favourites**.

To access the Favourites list:

1. On the Home screen, press the **Start** soft key
2. Scroll to the **Favourite Contacts** list.
3. Select the number or address you want.

Copying entries between the SIM card and Contacts

You can copy the contact card or all of the contact entries in a specific category to the SIM card or vice versa.

Copying from Contacts to the SIM card

1. On the contact list, select the contact card stored in the the device's memory.
2. Scroll to the phone number to be copied.
3. Press the **Menu** soft key and select **Save to SIM**.
4. If necessary, change the contact name.
5. Press the **Done** soft key.

Copying from the SIM card to Contacts

1. On the contact list, select the contact card stored on the SIM card.
2. Press the **Menu** soft key and select **Save to Contacts**.
3. If necessary, change the contact name and fill in the other fields.
4. Press the **Done** soft key.

Copying a contact

You can duplicate a contact in the same memory location. On the contact list, scroll to the contact and press the **Menu** soft key and select **Copy Contact**.

Copying all contacts

To copy all contacts between the device's memory and the SIM card, on the contact list, press the **Menu** soft key and select **Copy All** → a copy type.

Sending a contact card

You can send a contact card in Contacts to another device via SMS, MMS, or an active Bluetooth connection.

On the contact list or on the summary screen, press the **Menu** soft key.

- To send via SMS, select **Send Contact** → **SMS/MMS**. For details, see page 76.
- To send via MMS, select **Send as vCard**. For details, see page 77.
- To send via Bluetooth, select **Send Contact** → **Beam**. For details, see page 171.

Deleting a contact card

1. On the contact list, select a contact card.
2. Press the **Menu** soft key and select **Delete Contact**.
3. Press the **Yes** soft key to permanently delete the contact card.

You can also delete all of the contact cards in the phone's memory or on the SIM card. On the contact list, press the **Menu** soft key and select **Delete All** → a memory location.

Calendar

Use Calendar to schedule appointments, including meetings and other events. You can check your appointments in one of the several views (Agenda, Week, and Month).

To open Calendar:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Applications** → **Organiser & Tools** → **Calendar**. You can view the lists of appointments that you have created for the current day.

Creating an appointment

1. Press the **Menu** soft key and select **New Appointment**.
2. Fill in each field.

From the **Sensitivity** field, you can set a sensitivity class by which Microsoft Exchange Server handles the appointment.

3. When you have finished, press the **Done** soft key.

Viewing and editing an appointment

On the Calendar screen, you can view and edit your appointments using the different views: Agenda, Week, or Month. By default, the calendar first appears in the agenda view, which provides the most detailed information about your appointment.

Switching the view mode

You can change the view mode of the calendar to cycle through the agenda, week, and month view. In each view, press the **Week**, **Month**, or **Agenda** soft key.

- Agenda View: shows you the appointments for the selected day.
- Week View: shows the week calendar of your appointments.

Time cells having scheduled items are indicated by colours (Amethyst: Busy, Mauve: Out of office, White: Free, Periwinkle: Tentative).

- Month View: allows you to keep track of your monthly schedule and shows which days have appointments scheduled (▀: Morning appointment, ▁: Afternoon appointment, ■: Morning/Afternoon appointment, □: All day appointment).

Viewing an appointment

You can access the list of the appointments you have saved. On the Start Menu, scroll to the **Upcoming Events** list and select an appointment you want.

Editing an appointment

1. Select the calendar view by pressing the **Week**, **Month**, or **Agenda** soft key.
2. In each view, select the date you want. In Agenda view, you can access other dates by pressing the Left or Right Navigation key.

To go to today's date, press the **Menu** soft key and select **Go to Today**.

To go to a certain date, press the **Menu** soft key and select **Go to Date**. Enter the date and press the **Done** soft key.

3. Select the appointment you want to view.
4. Press the **Menu** soft key and select **Edit**.
5. If you are editing a repeating or continuous appointment, decide whether to edit all appointments in the series or only the current appointment by pressing the **All** or **One** soft key.
6. Edit the appointment information and press the **Done** soft key to save the changes to the appointment.

Sending an appointment

You can send an appointment item as a vCalendar file to another device via MMS or an active Bluetooth connection.

- To send via MMS, scroll to the appointment you want, press the **Menu** soft key, and select **Send as vCalendar**. For details, see page 77.

- To send via Bluetooth, open the appointment you want, press the **Menu** soft key, and select **Beam Appointment**. For details, see page 171.

Deleting an appointment

1. On the calendar screen, open the appointment to delete.
2. Press the **Menu** soft key and select **Delete**.
3. If you are deleting a repeating or continuous appointment, decide whether to delete all appointments in the series or only the current appointment by pressing the **All** or **One** soft key.

Or, press the **Yes** soft key to permanently delete the appointment.

Changing calendar setting options

From any view, press the **Menu** soft key and select **Tools** → **Options**. The following options are available:

- **Start in:** You can select which view mode the calendar starts with.
- **First day of week:** You can select which day the calendar starts with.
- **Week view:** You can select a week view type.
- **Month view:** You can set the month view to show the current week number.
- **Set reminders:** You can select the default schedule alarm time.
- **Respond to meetings via:** You can set whether to reply to a meeting notification by e-mail.

Tasks

Tasks is a convenient place to create task reminders. You can mark a task as completed or delete a task.

To open Tasks:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key and select **Applications** → **Organiser & Tools**. Press the **More** soft key and select **Tasks**.

Creating a task note

1. On the Tasks screen, press the **Menu** soft key and select **New Task**.

To quickly create a task with only a subject, enter your task information in the **Enter new task here** field and press .

2. Enter your task information.
3. When you have finished, press the **Done** soft key.

Completing a task

When a task is complete, mark it to indicate that the task is done. To select a check box, scroll to the completed task and press the **Complete** soft key.

To clear the box, press the **Activate** soft key.

Beaming a task note

You can send a task note to another device via an active Bluetooth connection.

On the task list, scroll to the task you want. Press the **Menu** soft key and select **Beam Task**. For details, see page 171.

Deleting a task

1. On the task list, scroll to the task.
2. Press the **Menu** soft key and select **Delete Task**.
3. Press the **Yes** soft key to confirm the deletion.

Notepad

Using Notepad, you can create memos for important things and manage them.

To access Notepad:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key and select **Applications** → **Organiser & Tools** → **Notepad**.

Creating a memo

1. Press the **New** soft key.
2. Enter the memo text and press the **Done** soft key.

Viewing a memo

To view memo details, select the memo you want from the list. Press the **Edit** soft key to change the memo.

You can sort the memo list by name, date, or size. On the memo list, press the **Menu** soft key and select **Sort** → a sort type. You can also sort the memos in ascending order or descending order.

Sending a memo

You can send your notes as part of an SMS, MMS, or e-mail message.

1. Scroll to the memo you want.
2. Press the **Menu** soft key and select **Send via email/message**.
3. Compose and send a message. For details, see page 76, page 77, or page 90.

Deleting a memo

1. Scroll to the memo you want.
2. Press the **Menu** soft key and select **Delete**.
3. Press the **Yes** soft key to confirm the deletion.

Voice Notes

In any program where you can write on the screen, you can also quickly capture thoughts, reminders, and phone numbers by recording a message. Using Voice Notes, you can create a recording.



To open Voice Notes:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key and select **Applications** → **Organiser & Tools**. Press the **More** soft key and select **Voice Notes**.

Recording a voice note

1. Hold your device's microphone near your mouth or other source of sound.
2. Press the **Record** soft key to make your recording.
3. Press the **Stop** soft key to stop recording.

Reviewing a voice note

On the voice note list, select the note you want to review. Recording plays. During playback, you can adjust the sound volume by pressing /.

Setting a voice note as the ringtone

1. On the voice note list, scroll to a voice note.
2. Press the **Menu** soft key and select **Set As Ringtone**.
3. Press the **OK** soft key.

Deleting a voice note

1. On the voice note list, scroll to a voice note.
2. Press the **Menu** soft key and select **Delete**.
3. Press the **Yes** soft key to confirm the deletion.

Alarms

You can use the alarm clock to set a wake-up alarm or set an alarm to remind you of an appointment.

To open Alarms:

Choose one of the following ways:

- On the Start Menu, scroll to the **My Settings** list → **Alarm**.
- On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Applications** → **Organiser & Tools** → **Alarms**.

Setting an alarm

1. On the Alarm screen, enter the time you want to set.
2. Press the Left or Right Navigation key to select a repeat option in the **Alarm** field.
3. Press the **Done** soft key.

Stopping an alarm

- When an alarm rings, press the **Dismiss** soft key to stop it, or press the **Menu** soft key and select a snooze option to set the alarm to ring again after the specified snooze interval.
- To deactivate an alarm, select the one you want from the Alarm screen, select **Off** on the **Alarm** field.

World Clock

You can set up the world clock with the time zones you want, and then check the current time of the city you need at any time.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools**.
3. Press the **More** soft key twice and select **World Clock**.
4. Press the Left or Right Navigation key to select the clock you want.
5. Press the **Edit** soft key and select **Assign**.
6. Press the Left or Right Navigation key to select the country and city you want.
To apply daylight savings to the currently selected time zone, select **DST**.
7. Press the **Done** soft key to save the selected time zone.
To remove an assigned time zone, press the **Edit** soft key and select **Clear**. Then press the **OK** soft key to confirm.


Multimedia

■ Camera

With the built-in camera of your device, you can take photos or record videos of people or events while on the move. Your device produces JPEG photos and 3GP videos.




To open Camera:

Choose one of the following ways:

- Press and hold .
- On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Entertainment** → **Camera**.



Taking photos

When you access Camera mode, the main display is activated as a viewfinder.

1. Adjust the image to be captured.
 - Press the Up or Down Navigation key to zoom in or out.
 - Press the Left or Right Navigation key to adjust the brightness of the image.
 - Press the **Menu** soft key to access the camera options. See "Setting camera options."
 - Use the number keypad to adjust the image quickly. See "Using the keypad shortcuts."
2. Press , , or  to take a photo.

3. Press the **Save** soft key to save the photo.

The photo is saved in the location specified in the **Default storage** option. After saving the photo, the camera automatically returns to Photo Preview mode.

To send the photo via MMS, press  or . See page 77.

Setting camera options

You can customise the camera settings. Once you change the camera settings, the corresponding icons display at the top of the photo preview screen.

On the preview screen, press the **Menu** soft key.

- **Camcorder**: switches to Camcorder mode.
- **Shooting mode**: changes the camera shooting mode.
 - Single shot**: takes a normal single shot.
 - Multi-shot**: takes a series of stills. You can select the default number of photos the camera will take in the **Camera** menu in **Options**.
 - Mosaic shot**: takes a series of stills and saves them in one frame. You can select the default layout in the **Camera** menu in **Options**.
- **Size**: allows you to select an image size.
- **Quality**: allows you to select an image quality setting.
- **White balance**: allows you to select a white balance mode to adjust the colour balance of photos.
- **Timer**: selects the length of time for the camera to delay before taking a photo.

- **Effects:** changes the colour tone for photos or applies a special effect to photos.
- **Frame:** selects a decorative frame.
- **Options:** allows you to change the default settings for Camera. See page 141.

Using the keypad shortcuts








You can use the keypad to customise your camera settings when you are in the photo preview screen.

- **1** (E): switches to Camcorder mode.
- **2** (R): changes the shooting mode by changing the number of photos or the layout.
- **3** (T): changes the image size.
- **4** (D): changes the image quality.
- **5** (F): changes the white balance.
- **6** (E): selects the length of time delay before taking a photo.
- **7** (X): allows you to change the colour tone or apply a special effect.
- **8** (C): allows you to add a decorative frame to the photo.
- **9** (V): accesses camera setting options. See page 141.

Viewing photos

To view photos you have taken, press the **Album** soft key in Camera mode. The list of the photos in the currently selected memory appears. For further details, see page 152.

Recording video clips

1. From Camera mode, press  to switch to Camcorder mode.
2. Adjust the image to be recorded.
 - Press the Up or Down Navigation key to zoom in or out.
 - Press the Left or Right Navigation key to adjust the brightness of the image.
 - Press the **Menu** soft key to access the camcorder options. See "Setting camcorder options."
 - Use the number keypad to adjust the image quickly. See "Using the keypad shortcuts."
3. Press , , or  to start recording. The timer on the top left of the screen shows you the elapsed time.
Press the **Pause** or **Resume** soft key to pause and resume recording.
4. Press , , or  to stop recording.
5. Press the **Save** soft key to save the video clip.

The video clip is saved in the location specified in the **Default storage** option. After saving the video, the camcorder automatically returns to Video Preview mode.

To play back the video clip, press  or .

Setting camcorder options

You can customise the camcorder settings. Once you change the video settings, the corresponding icons display at the top of the video preview screen.

On the video preview screen, press the **Menu** soft key.

- **Camera:** switches to Camera mode.
- **Recording mode:** select a video recording mode. Select **Limit for MMS** to record a video suitable for an MMS or e-mail message. Select **Normal** to record a video within the limit of the currently available memory.
- **Size:** allows you to select a video frame size.
- **Quality:** allows you to select an image quality setting.
- **White balance:** allows you to select a white balance mode to adjust the colour balance of videos.
- **Timer:** selects the length of time for the device to delay before recording a video.
- **Effects:** changes the colour tone for videos or applies a special effect to videos.
- **Audio record off/Audio record on:** selects whether or not you record a video with audio.
- **Options:** allows you to change the default settings for Camera. See "Changing the default camera settings."

Using the keypad shortcuts

You can use the keypad to customise your video settings when you are on the video preview screen.

- **1/E**: switches to Camera mode.
- **2/R**: changes the recording mode.

- **3/T**: changes the frame size.
- **4/Q**: changes the image quality.
- **5/F**: changes the white balance.
- **6/E**: selects the length of time delay before starting recording a video.
- **7/X**: allows you to change the colour tone or apply a special effect.
- **8/C**: mutes or unmutes audio.
- **9/V**: accesses camera setting options.

Playing video clips

To view the video clips you have recorded, press the **Album** soft key in Camcorder mode. The list of the video clips in the currently selected memory appears. For further details, see page 152.

Changing the default camera settings

To customise the default camera settings, press the **Menu** soft key and select **Options**.

The following options are available:

- **General**: You can customise the general settings for the Camera program.

Viewfinder: allows you to display camera icons on the preview screen.

Automatic save: allows you to set the camera to save a photo or video automatically after capturing.

Default storage: allows you to select where you want to store your photos or video clips.

Time out: allows you to set the period of time the camera waits before turning itself off when it is not used.

- **Camera:** You can customise the settings for Camera mode.

Multi-shot: allows you to set the number of photos and the shooting speed.

Mosaic shot: allows you to select the layout and shutter release mode.

Default Prefix: allows you to change the default prefix of photo names.

Sound: allows you to select sounds for the shutter release, zooming, and brightness adjustment.

- **Camcorder:** You can customise the settings for Camcorder mode.

Default Prefix: allows you to change the default prefix of video names.

Sound: allows you to turn on or off the sound effect when recording begins or ends.

- **Shortcuts:** You can view the functions assigned to the keys in Camera mode or Camcorder mode.

Windows Media Player

Your device is equipped with Microsoft Windows Media Player 10 or later. With Windows Media Player, you can play Windows Media Audio, Windows Media Video, and MP3 audio files that are stored on your device, on a memory card, or on the Web.

To open Windows Media Player:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key and select **Entertainment** → **Windows Media**.

Preparing media files

You can copy media files from your desktop computer to the device using the Windows Media Player or ActiveSync. You can also copy media files using a memory card.

Note: If you have stored too many files in memory, the operation speed of the system slows down. Using an optional memory card helps you clear up this problem and lets you enjoy more music files.

About DRM, licences, and protected files

Some digital media files, such as songs downloaded from online stores, are encrypted to prevent the files from being illegally distributed or shared. Content providers use a technology called Digital Rights Management (DRM), to encrypt the files. During the encryption process, the content provider creates a licence which specifies how and when the file can be used.

For example, a content provider could create a licence that allows you to play a certain file on your computer, but not on your device. Or, a licence that allows you to play a certain file on your device, but only for a month, or perhaps only a certain number of times. Files that have licences associated with them are called protected files.

Copying media files using ActiveSync


1. Connect your device to a computer and start synchronisation by referring to page 49.
2. Open the file directory on the device by clicking **Explore** from the Microsoft ActiveSync window.
3. Drag the media files you want to copy and drop them into a folder.

Windows Media Player automatically retrieves the media files from the folder where the files are copied and you can search them from the library screen. If the media files do not appear in the library, update the library by pressing the **Menu** soft key and selecting **Update Library**.

Copying media files using the Windows Media Player program on your computer

You can use the desktop Windows Media Player to copy media files. Using the desktop Windows Media Player ensures that licences are copied with protected files.

Make sure that you have Windows Media Player **10** or later versions on your desktop computer. Depending on the version of your Windows Media Player, the procedure to copy files may vary.

1. Connect your device to the desktop computer and start synchronisation.
2. Open Windows Media Player on the computer.
3. Click the **Sync** tab.
4. Click **Edit Playlist**.
5. Select the media files you want to synchronise from the left pane of the window.
6. Click **OK**.
7. Select the saving location from the right pane of the Windows Media Player window.
8. Click  to select the quality level you want and click **OK**.
9. Click **Start Sync**.

The selected files are converted and copied to the location you selected in step 7.
10. When synchronisation is finished, disconnect the device from the computer.

Note: If you have Windows Media Player 11 on the computer, select and drag the music files you want to the sync list after step 3 and click **Start Sync**.

Downloading media files from the web

On the Start Menu, scroll to the **Music & Video** list and select **Download music**. The downloaded files **list** in the **Music & Video** list.

Using libraries

A library is a file list provided by Windows Media Player to retrieve media files in the device's memory. To access libraries, press the **Menu** soft key from the player screen and select **Library**.

The library screen contains categories, such as My Playlists, My Music, and My Videos. From the library screen, you can sort your content by criteria, such as artist name, album title, or genre.

On the library screen, you can use the following options by pressing the **Menu** soft key:

- **Queue Up**: adds the selected file to the end of the current playlist.
- **Delete from Library**: deletes the selected file from the library.
- **Now Playing**: opens the current playlist.
- **Library**: allows you to select the library that you want to view; for example, the library of files stored in your device or on a memory card.
- **Update Library**: adds new files to the library by searching your device or a memory card.
- **Open File**: allows you to find and play files that are stored on your device or a memory card, but those are not in the library.
- **Open URL**: allows you to specify a URL address for a streaming service.
- **Properties**: displays information about the selected file.
- **Player**: closes the library screen and displays the player screen.

Playing music and video files

If you have copied media files to your device's memory or memory card, you can play them from Windows Media Player.



Playing media files from a library

1. On the library screen, if necessary, press the **Menu** soft key, select **Library**, and select the memory from which you want to retrieve files.
2. Press the **Menu** soft key and select **Update Library**.
3. When libraries have been updated, press the **Done** soft key.
4. Select a category.
5. Scroll to the library you want to play and press the **Play** soft key.

The player screen appears and the selected file plays.

Use the following options during playback:

- To adjust the Windows Media volume, press the Up or Down Navigation key. You can view the volume level on the screen.
- To adjust the audio volume, press \square/∇ .
- To scan backward in a file, press and hold the Left Navigation key.
- To scan forward in a file, press and hold the Right Navigation key.
- To access the next file, press the Right Navigation key.

- To access the previous file, press the Left Navigation key within 3 seconds after the playback has started.
- To pause or resume playback, press  or .
- To play the files on the playlist randomly or repeatedly, press the **Menu** soft key and select **Shuffle/Repeat** → an option.
- To view the video on a full screen, press the **Menu** soft key and select **Full Screen**.
- To stop playback, press the **Menu** soft key and select **Stop**.

Playing media files on a network

1. On the library screen, press the **Menu** soft key and select **Open URL**.
2. Enter a URL address in the **URL** field, or scroll to one of the URL address that you have used from the **History** field.
3. Press the **OK** soft key.

Note: To play streaming media, you must be connected to a network. For more information on creating a remote connection between your device and a network, see page 174.

Setting up a playlist

You can add media files on the library screen to a temporary playlist. It lists the currently playing file, as well as any files that have been queued up to play next.

Creating a playlist

1. On the library screen, select the category you want and scroll to the file you want to play.

If the file does not appear on the list, press the **Menu** soft key and select **Update Library**.

2. Press the **Menu** soft key and select **Queue Up** to add the file to the playlist.
3. Repeat steps 1 and 2 to add more files.
4. Press the **Menu** soft key and select **Player** to return to the player screen.
5. Press \bigcirc or $\left(\right)$ to start playing the files.
6. To save the playlist, press the **Now Playing** soft key and then the **Menu** soft key, and select **Save Playlist**.
7. Enter the list name and press the **Done** soft key. The list is saved in the My Playlists library.

Opening the playlist

On the player screen, press the **Now Playing** soft key. You can use various options to edit the playlist by pressing the **Menu** soft key. See the following section.

Editing the playlist

- To change the play order, press the **Menu** soft key and select **Move Up** or **Move Down**.
- To delete the selected files, press the **Menu** soft key and select **Delete from Playlist**.

- To clear the playlist, press the **Menu** soft key and select **Clear Now Playing**.

Changing the Windows Media Player settings

You can customise the appearance and functionality of Windows Media Player. On the player screen, press the **Menu** soft key and select **Options**.

You can use the following options:

- **Playback:** Select the options for playback. You can select the way time is displayed on the player screen, or whether or not to pause playback when you launch another program, and resume playback after a phone call.
- **Video:** Select the viewing options for playing videos on a full screen.

Note: If there is a problem while playing MP4 files, deselect the **Shrink to fit window** option. The problem occurs because the file has been resized.

- **Network:** Change the connection speed and protocol for playing music and streaming video.
- **Library:** Select whether the player screen or the library screen is displayed when you open Windows Media Player.
- **Skins:** Change the appearance of the player screen by selecting a new skin.
- **Buttons:** Assign Windows Media Player functions to the keys on your device to quickly control playback without having to use the menus.

Podcast

In Podcast, you can access and enjoy online audio and video services and create your own playlists.

To open Podcast:

On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **Applications**. Press the **More** soft key and select **Podcast**.

Subscribing to the Podcast service

From the Podcast screen, scroll to **Podcasts**, press the **Menu** soft key and select **Subscribe to Podcast**. When you are connected to the corresponding website, follow the onscreen instructions to complete the subscription process.

Accessing audio and video services

From the Podcast screen, select **Podcasts**. You will be connected to the corresponding website which allows you to choose the online services that you enjoy.

To update the audio and video library, and playlists with new files, press the **Menu** soft key and select **Update Library**.

Creating a playlist

You can create your own playlists with your favourite audio or video files or playlist wizard filtering audio or video files according to your preferences.

1. Press the **Menu** soft key and select **New** → an item type.
2. Enter a title for the playlist.
For a playlist wizard, press the **Menu** soft key and add rules or limits to filter audio or video files.
3. Press the **Ok** or **Done** soft key.
4. Add files, if necessary.

Changing Podcast settings

To change the properties of Podcast, press the **Menu** soft key and select **Options** or **Properties**. You can specify information to be displayed on the playlists, or display and update properties of the playlists in Podcast.

My Files

This program allows you to access all of your pictures, sound clips, and video clips stored in your device's directory or from a memory card.

To open My Files:


On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and select **My Files**.

Viewing a picture

1. From the file folder list, select **My Pictures**.
2. Select the thumbnail image of the picture you want.

3. Press the Left or Right Navigation key to view other pictures.

While viewing a picture, you can use the following options:

- To zoom in or out, press  or the **Zoom** soft key to switch to Zoom mode, and then press the **+** or **-** soft key.
- To edit the picture, press the **Menu** soft key and select **Edit image**. You can then access the editing tool options by pressing the **Menu** soft key.
- To set the picture as wallpaper for the Home screen or caller ID image for a contact card, press the **Menu** soft key and select **Set as** → an option.
- To print the picture with a Bluetooth-compatible printer, press the **Menu** soft key and select **Print via Bluetooth**. You must first connect the device to a printer via Bluetooth.

Viewing the recent photos



You can access the most recently taken or modified photos in the **My Pictures** folder.

On the Start Menu, scroll to the **Recent Photos** list. Scroll up or down and select the thumbnail image of the picture you want.

Viewing pictures as a slide show

You can view all of your pictures as a slide show, a sequential presentation of each image in the current album.

Press the **Menu** soft key and select **Play slide show**. The slide show begins on a full screen.

- To pause or resume the slide show, press .
- To manually scroll through the pictures, press the Left or Right Navigation key.
- To stop the slide show and return to the previous screen, press .

Playing a sound or video clip

1. From the file folder list, select **Notes, My Music, My Ringtones, or My Videos**. In **Notes**, you can access your voice recordings.
2. Select the thumbnail image of the sound or video clips you want. The file plays in Windows Media **Player**.

Searching for a file

You can quickly search for a file by entering its name.

1. From the file folder list, select a folder.
2. Press the **Menu** soft key and select **Search**.
3. Enter the file name and select the file type and location.
4. Press the **Search** soft key. The device searches the file folders and lists all matching files.
5. Press the **Open** soft key to access the file.

Sending a file

You can send a file to another device via MMS, e-mail, or an active Bluetooth connection.

Open a folder, if necessary, and scroll to the file you want and press the **Menu** soft key.

- To send via MMS, select **Send** → **As message**. For details, see page 77.
- To send as a postcard, select **Send** → **As postcard**. For details, see page 83. Depending on your country, this option may not be available.
- To send via e-mail, select **Send** → **As email**. For details, see page 90.
- To send via Bluetooth, select **Send** → **Via Bluetooth**. For details, see page 171.
- To send the file to the online media album, select **Send** → **To Media Album**. Depending on your country, this option may be differently labelled.

Copying or moving a file

1. From the file folder list, open the folder you want and scroll to the file you want.
2. Press the **Menu** soft key and select **Edit** → **Copy** or **Move**.
3. Select the folder to which you want to copy or move the file.

Deleting a file

1. From the file folder list, open the folder you want and scroll to the file you want.
2. Press the **Menu** soft key and select **Delete**.
3. Press the **Yes** soft key to confirm the deletion.

Making a zip file

You can convert a file to a zip file to compact the size. This is helpful when you send files via Bluetooth or attach them to an MMS or e-mail message.

1. Open the folder you want and scroll to the file you want.
2. Press the **Menu** soft key and select **Edit** → **Zip**.
3. Enter a file name and select the location to save the file.
4. Press the **Zip** soft key.

Customising My Files settings

Open a folder and press the **Menu** soft key and select **Options** to access the following options:

- **View by:** allows you to select a view mode of folders.
- **Slide show:** allows you to set up properties of a slide show.
- **Shortcuts:** shows shortcut keys available in My Files.
- **About:** shows copyright information.

Checking the storage memory

You can check the memory in use for storing files in your phone or on a memory card.

From the file folder list, select **More...** → **Memory Status**.

Extra programs

Games

Your device includes fun games, such as Bubble Breaker and Solitaire.

Bubble Breaker

The object of Bubble Breaker is to clear out all the balls. The rule is that you may only clear out adjacent same-coloured balls. The score depends on clear out every balls.

Playing a game

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Entertainment** → **Bubble Breaker**.
3. Navigate to the ball you want to clear and press ○.
The group will be outline and the score for that selection will be shown.
4. Press ○ to accept that selection. The selected balls are cleared out.

Press the **Menu** soft key and select **Statistics** to view statistics or information about the game.

You can customise the game options such as play sounds, game style, or ball colour by pressing the **Menu** soft key and selecting **Options**.

Solitaire

The object of Solitaire is to use all the cards in the deck to build up the four suit stacks in ascending order, beginning with aces.

Playing a game

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Entertainment** → **Solitaire**.
3. Move any aces on the seven stacks to the four card spaces on the left of the screen and then make any other available plays.

To move cards, press the number or character of the card to move and then press the number or character of the stack to which you want to move the card.

4. When you have made all available plays, press the **Draw** soft key to turn over cards.

Java

You can access downloaded Java applications or Java games.

To access Java:

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Entertainment** → **Java**.

Downloading new applications

From the Java screen, select **Download Application...** Your phone will launch the Internet Explorer. You can then browse the website which provides you with the latest news and information about applications and application downloads, and download applications of your choice.

To launch a Java application, select one from the application list.

Using application options

From the application list, press the **Menu** soft key and select **Application** to access the following options:

- **Delete:** deletes the selected application, except for the embedded ones.
- **Delete All:** deletes all of the downloaded applications.
- **Permissions:** allows you to set permission settings for services that charge you additional costs, such as network access and SMS.
- **Properties:** allows you to access the application properties.
- **Lock/Unlock:** locks the application to prevent it from being deleted, or unlocks the application.
- **Update Info:** allows you to access the update information.

Calculator

The calculator allows you to perform general mathematical functions, such as addition, subtraction, multiplication, and division.

Performing a calculation


1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools** → **Calculator**.
3. Enter the numbers and operations (+, -, ÷, or x).
To use advanced operations, such as percentage (%), square (X^n), and square root ($\sqrt{\quad}$), press the **Menu** soft key and select an option.
4. Press \bigcirc to execute the calculation.


Smart Converter

In Smart Converter, you can perform unit conversions.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools** → **Smart Converter**.
3. Select a converter type.

4. Select an original unit and enter the value to be converted in the upper unit field.

Press  to add a decimal point.

In the temperature converter, press  to change the temperature to below zero.

5. Select a target unit from the lower unit field. The equivalent value appears.

Notes:

- To reverse the unit fields for continuous conversions, press the **Menu** soft key and select **Reverse**.
 - For the currency converter, you may need to change currency rates. Press the **Menu** soft key and **View rates**.
-

Stopwatch

You can measure elapsed time interval.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools**.
3. Press the **More** soft key and select **Stopwatch**.
4. Press the **Start** soft key to start the stopwatch.
5. Press the **Record** soft key to check an interval.
6. Press the **Stop** soft key to stop the stopwatch.

Document viewers

Your device provides you with various viewer programs allowing you to open documents on the device without any file-conversion or loss of content.

To open a document viewer:

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **ClearVue Document**. Or, press the **More** soft key and select **ClearVue PDF**, **ClearVue Presentation**, or **ClearVue Worksheet**.

In each program, the following file formats are supported:

- ClearVue Document: .doc, .rtf
- ClearVue PDF: .pdf
- ClearVue Presentation: .ppt (created in Microsoft PowerPoint 97, 2000, 2002(XP), and 2003)
- ClearVue Worksheet: .xls (created in Excel 97, 2000, 2002(XP), and 2003)

Viewing a document

1. After opening the viewer program for the document you want to open, press the **File** soft key and select **Open**.
2. Select a document.

Using options in a document view

From a document view, you can use the following features. Depending on the current viewer, available features may be different:


- To zoom in or out, press the **Zoom** soft key and select an option. In ClearVue Presentation, press the **View** soft key and select **Scale** → an option.
- To move between pages or slides, press the Up or Down Navigation key.
- To view a slide show in ClearVue Presentation, press the **View** soft key and select **View Show**. You can change the slide show properties by select **Set Up Show** or **Custom Show**.
- To adjust the size of the main window in ClearVue Presentation, press the **View** soft key and select **Resize Windows**. Then press the Up or Down Navigation key to adjust the window.

File Manager

The File Manager program allows you to open an explorer window similar to a desktop Windows-based system. The explorer window allows you to navigate through your device to locate the desired folders and files. You can also quickly manage, delete, copy, or edit any files and folders on your phone.

Note: If you turn off the device after storing some files in any folders, except for the **Storage** folder, using ActiveSync, all of the files in those folders will be deleted. Store important files in the **Storage** folder to prevent them from being deleted.

Accessing files

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications**.
3. Press the **More** soft key and select **File Manager**.
The list of the folders in the device's memory displays.
4. Scroll to the folder that you want to view.
Press the **Up** soft key to return to the previous directory level.
5. Scroll to an item and press  to open it.

Using file management options

From the file directory, press the **Menu** soft key to access the following options:


- **Send**: Send a file via e-mail.
- **Beam...**: Send a file via Bluetooth.
- **Edit**: Access file editing options, such as **Cut**, **Copy**, **Paste**, and **Delete**.
- **Properties**: Access the file or folder properties.
- **View**: Change the view mode of File Manager.
- **Sort By**: Change the sort order of File Manager.
- **My Device**: Access the file directory of your device.
- **Storage Card**: Access the file directory of a memory card, if you have inserted one.
- **My Files**: Return to the list of the folders.

Task Manager

Your device is a multi-tasking device. It can run more than one program at the same time. However, multi-tasking may cause hang-ups, freezing, memory problems, and additional power consumption. To avoid these problems, end unnecessary programs using Task Manager.

To open Task Manager:

Choose one of the following ways:

- Press and hold .
- On the Home screen, press the **Start** soft key and then the **Main Menu** soft key, and the select **Applications** → **Organiser & Tools**. Then press the **More** soft key and select **Task Manager**. The list of all the programs currently running on your device appears.

Managing running programs

- To activate a program, scroll to a program and press the **Menu** soft key and select **Activate**.
- To close a program, press the **Stop** soft key. To close all programs, press the **Menu** soft key and select **Stop all**.
- To refresh the program list, press the **Menu** soft key and select **Refresh**.

Getting connected

You can use your device to exchange information with other mobile devices as well as your desktop computer, a network, or the Internet. You have the following connection options:

- Exchange information between devices with Bluetooth capabilities without a physical connection.
- Connect the device to your computer using a USB connection to use the device as a modem, data sync device or external memory disk.
- Connect to your Internet service provider (ISP) or the network at your company. Once connected, you can send or receive e-mail and instant messages, and browse the Internet or intranet.

Beaming with Bluetooth

Bluetooth is a short-range wireless communications technology. Devices with Bluetooth capabilities can exchange data over a distance of about 10 metres without requiring a physical connection.

You do not need to line up the device with another device to beam information via Bluetooth.

Activating Bluetooth mode

On the Start Menu, scroll to the **My Settings** list → **Bluetooth** and press the **Turn On** soft key.

You can also use the following procedure to activate Bluetooth mode:

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Connections** → **Bluetooth**.
3. Press the **Menu** soft key and select **Turn On Bluetooth** to activate the Bluetooth feature.
4. Press the **Menu** soft key and select **Turn On Visibility** to allow other devices to detect your device.
5. Press the **Done** soft key.

Setting Bluetooth profiles

You can change the settings for each Bluetooth profile available on your device.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Connections** → **Bluetooth Profiles**. The following options are available:
 - **BPP Setting**: Change the settings for a profile for connecting to a Bluetooth printer.
 - **OBEX FTP Server Setting**: Change the settings for a profile for connecting to a Bluetooth file server.
 - **My Information Setting**: Set the display name for your device, and check the device's bluetooth address and version information.

Searching for and pairing with a Bluetooth device

1. On the Bluetooth Devices screen, select **Add new device...**
2. Wait for the device to search for Bluetooth devices.
To refresh the list of devices you have searched for, press the **Menu** soft key and select **Refresh**.
3. Scroll to the device you want and press the **Next** soft key.
4. Enter a Bluetooth passcode and press the **Next** soft key. This passcode is used just once and you do not need to memorise it.

When the owner of the other device enters the same passcode, pairing is finished.

Note: Some devices, especially headsets or hands-free car kits, may have a fixed Bluetooth passcode, such as **0000**. If the other device has one, you must enter the code.

5. Press the **OK** soft key when the connection is established.
6. Enter a display name for the other device and press the **Next** soft key.
7. Check the services you want and press the **Done** soft key.

Using the device options

When you press the **Menu** soft key from the device list, you can access the following options:

- **Edit:** allows you to change the name of the connectable device.
- **Delete:** allows you to delete the device.
- **Set as Hands-free:** allows you to use the connectable device as a hands-free kit. You can converse with the other person on the phone without holding the phone to your ear during a call.
- **Set as Wireless Stereo:** allows you to use the connectable device as a stereo headset. You can enjoy music with high quality stereo sound, as well as talking hands-free.
- **COM ports:** allows you to add a COM port.

Receiving data with Bluetooth

1. Make sure that **Receive incoming beams** is selected. To select it, from the Connections screen, select **Beam**.
2. When a notification informing another device is trying to connect with your device appears, enter the Bluetooth password entered from the remote device and press the **Done** soft key.
3. When prompted to save incoming data, press the **Yes** soft key.

Sending data with Bluetooth

1. Locate an item in a program that you want to send, such as Calendar, Contacts, Tasks, My Files, or File Manager.
2. Scroll to the item.
3. Press the **Menu** soft key and select a Bluetooth sending option, depending on the program you accessed.
4. Search for and pair with the device beginning with step 2 on page 169.

The device searches for devices within range and displays a list of available devices.

5. Select the device you want to start sending data to.

Connecting to an FTP server

You can connect your device to a file server, which can be a mobile device or computer, and exchange files with the server.

1. From the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Applications** → **Organiser & Tools** → **Bluetooth FTP**.
3. Press the **Menu** soft key and select **Search FTP Servers**.

The device searches for available devices and shows the results.

4. Pair with the server you want. See page 169.
5. Browse the file directory and select a file.
6. Press the **Transfer** soft key, and select **File Download** or **File Upload** to copy files to and from the server.

Connecting to a computer via USB

You can select how the device functions when connected to a computer via the USB port.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Connections** → **More...** → **USB**.
3. Select one of the following functions for USB connections:
 - **Mass Storage**: The device is perceived as an external memory device. You must insert a memory card into the device.
 - **ActiveSync**: The device communicates with a computer via ActiveSync.
4. Select **Enable advanced network functionality** to connect your device as a network device to a computer.
5. Press the **Done** soft key.

Internet Sharing

Using Internet Sharing, you can set your device to be used as an external modem for another device or computer when connected via the USB port or Bluetooth.

Note: If you have an active GPRS connection, for example, a WAP connection, you must first terminate the connection before attempting Internet access via Internet Sharing.

1. For a USB connection, plug the PC data cable into the device and the USB port on your computer.
2. On the Home screen, press the **Start** soft key.
3. Press the **Main Menu** soft key and select **Applications** → **Internet Sharing**.
4. If you access this program for the first time, press the **OK** soft key.
5. Select the PC connection and network connection types.
6. Press the **Connect** soft key to activate Internet Sharing.
7. For a Bluetooth PAN connection, search for a compatible computer and connect the device to the computer.

Notes:

- When Internet Sharing is activated, you cannot use ActiveSync.
 - When Windows Service Pack 2 is used, Internet access using Internet Sharing is more stable.
-

Connecting to the Internet or your network

You can use the **Connections** settings to create GPRS, proxy, and Virtual Private Network (VPN) connections so that you can connect to the Internet or your corporate network. By using a data connection, you can browse the Internet, download e-mails, or synchronise remotely with an Exchange Server. Check with your service provider to see if a data connection has already been set up for you, and if over-the-air configuration is supported.

Creating a GPRS connection

If you subscribe to General Packet Radio Services (GPRS), you can set up a GPRS connection to gain access to your corporate network or the Internet.

You can also use your device as a GPRS modem for a desktop computer.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Connections** → **GPRS**.
3. Select **New...** and enter the requested information.
 - **Description:** Enter a name for the connection.
 - **Connects to:** Select a network type for which the connection will be used.
 - **Access point:** Enter the information provided by your system administrator.

- **User name:** Enter your user name for the GPRS network.
- **Password:** Enter your password.
- **Authentication Type:** Select an authentication type.
- **Primary DNS:** Enter the primary domain naming system (DNS) address.
- **Secondary DNS:** Enter the secondary DNS address.
- **IP address:** Enter the Internet Protocol (IP) address.

Note: If you are not sure about the information to enter, ask your network administrator.

4. When you have finished, press the **Done** soft key.

Creating a proxy connection

You can use a proxy connection to gain access to the Internet over an existing connection to your corporate network.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Connections** → **More...** → **Proxy**.
3. Select **New...** and enter the requested information.
 - **Description:** Enter a name for the connection.
 - **Connects from:** Select the type of network from which you will connect.
 - **Connects to:** Select the type of network to which you will connect.
 - **Proxy (name:port):** Enter the proxy server name and port number in the form.

- **Type:** Select a network type for which the proxy connection will be used.
- **User name:** Enter your user name for the network to which you will connect.
- **Password:** Enter your password.

Note: If you are not sure about the information to enter, ask your service provider.

4. When you have finished, press the **Done** soft key.

Creating a VPN connection

If your company has set up a virtual private network (VPN), you can create a VPN connection to gain access to your corporate network over an Internet connection.

1. On the Home screen, press the **Start** soft key.
2. Press the **Main Menu** soft key and select **Settings** → **More...** → **Connections** → **More...** → **VPN**.
3. Select **New...** and enter the requested information.
 - **Description:** Enter a name for the connection.
 - **VPN type:** Select the type of VPN.
 - **Server:** Enter the VPN server name.
 - **Connects from:** Select the type of network from which you will connect to VPN (typically **The Internet**).
 - **Connects to:** Select the type of network to which you will connect (typically **Work**).
 - **User name:** Enter your user name for the VPN.

- **Password:** Enter your password.
- **Domain:** Enter the domain name, if required.
- **IPSec authentication:** If you selected **IPSec/L2TP** for **VPN type**, select the type of authentication.
- **IPSec Pre-shared key:** If you selected **Pre-Shared Key** for **IPSec authentication**, enter the shared key.

Note: If you are not sure about the information to enter, ask your network administrator.

4. When you have finished, press the **Done** soft key.

Setting up data connections

After creating connection profiles, you can assign a profile to each network type.

1. On the Connections screen, press the **Menu** soft key and select **Advanced**.
2. Select a connection profile in each network.
3. Press the **Done** soft key.

Adding a URL exception

Some URL addresses for web pages on your company intranet may use periods, for example: intranet.companyname.com. To view these pages in Internet Explorer, you must create a URL exception.

Note: You do not need to create URL exceptions for Internet URL addresses.

1. On the Connections screen, press the **Menu** soft key and select **Advanced**.
2. Press the **Menu** soft key and select **Work URL Exceptions**.
3. Press the **Menu** soft key and select **Add**.
4. Enter the URL pattern and press the **Done** soft key. Separate multiple URL patterns with a semicolon.


Changing the data connection options

On the Advanced screen, press the **Menu** soft key and select **Options** to access the following options:

- **Redial attempts:** Select the redial attempt to connect the Internet or your network after an unsuccessful connection.
- **Idle disconnect after:** Select the length of time for which your device will cache released connections.
- **My desktop connects to:** Select the type of network to which your desktop computer will connect.

Troubleshooting



■ General problems




Problem	Description & Solution
<p>"The SIM card is missing or is not valid. You can still make emergency calls if your service provider supports it" displays</p>	<p>Check that the SIM card has been correctly installed.</p>
<p>"No network coverage," "Error unable to connect. No network coverage." or "Message sending failed" displays</p>	<ul style="list-style-type: none"> • The network connection has been lost. You may be in a weak signal area (in a tunnel or surrounded by buildings). Move and try again. • You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.
<p>The bars next to  disappear</p>	<ul style="list-style-type: none"> • If you have just turned on your device, wait for about 2 minutes, until your device finds the network and receives a signal from the network. • If you are in a tunnel or in an elevator, the device may not be able to receive the network signal properly. Move to an open place. • This may appear when you move between different service areas. It is normal.

Problem	Description & Solution
The display is not clear	In direct sunlight, you may not be able to see the display clearly. Moving to a place with different lighting should solve this problem.
White lines appear on the display	This may happen if you turn on the device after a long period of disuse, or after removing the battery without turning off the device. This is not related to the device's life or performance. The display should correct itself shortly.
"Enter SIM PIN" appears	<ul style="list-style-type: none"> • You are using your device for the first time. You must enter the Personal Identification Number (PIN) supplied with the SIM card. • The PIN check feature has been enabled. Each time the device is switched on, the PIN has to be entered. To disable this feature, go to Settings → More... → Security → Disable SIM PIN, and enter the PIN.
"This SIM is currently blocked. Contact your customer service centre for the unlock (PUK) code. 10 attempts remaining" appears	The PIN code was entered incorrectly three times in succession and the SIM card is now blocked. Enter the PUK supplied by your service provider.

Problem	Description & Solution
I forgot the password, PIN, reset password, or PUK codes	If you forget or lose the device password, contact your device dealer. If you forget or lose a PIN or PUK code, or if you have not received such a code, contact your network provider. For information about passwords, contact your access point provider, for example, a commercial Internet Service Provider (ISP), service provider, or network operator.

Call problems

Problem	Description & Solution
I have entered a number but it was not dialled	<ul style="list-style-type: none"> • Be sure that you have pressed . • Check if your wireless connection to your mobile service provider is switched on and the signal from the network is unobstructed. • You may have set an outgoing call barring option.
My correspondent cannot reach me	<ul style="list-style-type: none"> • Be sure that your device is switched on ( pressed for more than one second). • Check if your wireless connection to your mobile service provider is switched on and the signal from the network is unobstructed. • You may have set an incoming call barring option.


Problem	Description & Solution
My correspondent cannot hear me speaking	<ul style="list-style-type: none"> • Be sure that you have switched on the microphone. • Make sure that the device is close enough to your mouth. The microphone is located at the bottom of the device.
The audio quality of the call is poor	<ul style="list-style-type: none"> • Adjust the voice volume by pressing / . • Check the signal strength indicator on the display (); the number of bars indicates the signal strength, from strong to weak. • Try moving the device slightly or moving closer to a window if you are in a building.
Calls to and from the device are not connected properly, and are easily disconnected	<ul style="list-style-type: none"> • Signals from the network are weak. Move to another area. • Touching the antenna area on the top of the device may lower the call quality. Be careful not to touch the antenna area while using the device.

Power and charging problems

Problem	Description & Solution
The device malfunctions or does not function	Remove the battery and then replace it. Turn on the device. If the problem persists, contact a Samsung service representative.
The battery's standby time is shorter than expected	<ul style="list-style-type: none"> • Batteries are subject to wear and tear. Standby time may grow shorter as time passes. • Leaving a fully charged battery in a cold or hot place for a long period of time may reduce battery life. • Standby time depends on where you use the device. The actual time may vary from the battery's specifications.
Is it OK if I leave the device connected to the power outlet after it is fully charged	We recommend that you disconnect the device from the adapter or unplug the adapter from the power outlet.
The device becomes hot	This may happen when you are on the device or when you use programs, such as games, the Internet, media player, or the camera, for a long time because the device needs more power at those times. Stop using those programs until the device cool down.

Problem	Description & Solution
The battery level seems sufficient, but the device does not turn on	<ul style="list-style-type: none"> • Remove the battery from the device and reinstall it. Then turn on the device. • Clean the metal contacts both on the battery and on the device. Reinstall the battery and turn on the device.
The device turns off when the adapter is connected	Dust on the contacts may cause unexpected power-off or charging problems. Clean the metal contacts both on the battery and on the device.

■ ■ Program problems

Problem	Description & Solution
The device reacts slowly	Multi-tasking may cause this problem. Press and hold  . Close the unnecessary programs.
WAP Browser	
"Unable to connect. Verify your proxy settings, and try again." displays	Insert proper browser settings. Contact your service provider for instructions.

Problem	Description & Solution
Internet Explorer	
<p>"Your Internet connection is not configured properly. Please verify your settings in Connections."</p>	<p>Insert proper browser settings. Contact your service provider for instructions.</p>
<p>The device is unable to connect to the Internet</p>	<ul style="list-style-type: none"> • Check if you have set up and are connected to an Internet service provider. • Check if your wireless connection to your mobile service provider is switched on and the signal from the GPRS network is not obstructed. • Verify with your service provider that your user name and password are correct. • Verify with your Internet service provider that the network you are trying to connect is available, or try to connect it from another PC.
Camera	
<p>Images seem smudged</p>	<p>Check if the camera lens protection window is clean.</p>
Contacts	
<p>No number is dialled when you recall a contact card</p>	<ul style="list-style-type: none"> • Check if a number has been stored in the contact card. • Re-store the number, if necessary.

Problem	Description & Solution
Bluetooth	
I cannot end a Bluetooth connection	If another device is connected to your device, you can end the connection by deactivating Bluetooth. On the Start Menu, scroll to the My Settings list → Bluetooth and press the Turn On soft key.
I cannot find my friend's Bluetooth-enabled device	<ul style="list-style-type: none"> • Be sure that both have activated Bluetooth. • Be sure that the distance between the two devices is not over 10 metres or that there are no walls or other obstructions between the devices. • Be sure that the other device is in the discoverable mode. • Be sure that both devices are compatible.
I cannot discover the remote Bluetooth stereo headset	<ul style="list-style-type: none"> • Be sure that the Bluetooth functionality on the device is turned on. • Be sure that the remote Bluetooth stereo headset is in the discoverable mode. • Be sure that the remote Bluetooth device has the capability to act as a stereo headset.

Problem	Description & Solution
I cannot connect to the remote Bluetooth stereo headset	Ensure that the correct passkey was entered on the device during the connection with the headset. Most Bluetooth headsets have a fixed passkey that would be mentioned in their user's guide. You would need to enter the passkey when establishing a connection with the headset.
I cannot listen to music on the remote Bluetooth stereo headset	<ul style="list-style-type: none"> • Ensure that you are connected to the Bluetooth stereo headset. • Ensure that the song that you are playing is one of the supported formats. • Check the battery levels on the Bluetooth stereo headset. • Ensure that the device and headset are within range of each other. The maximum distance between the two should not be more than 10 metres.
There are breaks in the music being played on the remote Bluetooth stereo headset	You may observe breaks if there are walls that separate the device and the Bluetooth stereo headset.
Call History	
The call history appears empty	You may have activated a filter, and no communication events fitting that filter have been logged. To see all events, go to Calls . Press the Menu soft key and select Filter → No Filter .

Problem	Description & Solution
Messaging	
I cannot select a contact card when creating a message	If the contact card does not have a phone number or e-mail address, you cannot select it. Add the missing information to the contact card in Contacts.
PC connectivity	
Problems occur when connecting the device to a PC	Make sure that ActiveSync is installed and running on your PC. See the user's guide for ActiveSync on the CD-ROM. For further information on ActiveSync, see the help function on ActiveSync or visit www.microsoft.com .

If the above guidelines do not help you to solve the problem, take note of:

- the model and serial numbers of your device
- your warranty details
- a clear description of the problem

Then contact your local dealer or Samsung after-sales service.

Health and safety information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone 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 level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

The highest SAR values for this model phone as reported to the FCC are:

Head: 0.202 W/Kg, Body-worn: 0.528 W/Kg.

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung accessory designated for this product or when used with an accessory that

contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. [This site uses the phone FCC ID number, A3LSGHI640V](#). Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some

studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- "Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- "Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- "Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- "National Institute for Occupational Safety and Health
- "Environmental Protection Agency
- "Federal Communications Commission
- "Occupational Safety and Health Administration
- "National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF

exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly

applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- "If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically

with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations:

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA):

<http://www.epa.gov/radiation/>

- Occupational Safety and Health Administration's (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>
- National institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/emfpg.html>
- World health Organization (WHO):
<http://www.who.int/peh-emf/>
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>
- National Radiation Protection Board (UK):
<http://www.nrpb.org.uk>
- Updated 4/3/2002: US food and Drug Administration
<http://www.fda.gov/cellphones>

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

“The wireless industry reminds you to use your phone safely when driving.”

For more information, please call 1-888-901-SAFE, or visit our web-site www.wow-com.com

Provided by the Cellular Telecommunications & Internet Association

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.


Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press .

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may

20be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice



- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Battery march Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio phone, not expressly approved by Samsung, will void the user's authority to operate the equipment.

Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones

may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- When the phone or battery gets wet, the label indicating water damage inside the phone changes color. In this case, phone repairs are no longer guaranteed by the manufacturer's warranty, even if the warranty for your phone has not expired.
- If your phone has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.

- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Declaration of Conformity (R&TTE)

For the following product :

GSM900/GSM1800/GSM1900/WCDMA with Bluetooth

Portable Cellular Telephone

(Product description)

SGH-i640V

(Model name)

Manufactured at :

- Samsung Electronics Co., Ltd, 9 -1, Imsoo-Dong, Gumi City, Kyung-Buk, Korea,
730-350

(factory name, address)

to which this declaration relates, is in conformity with the following standards and/or other normative documents.

**Safety
EMC**

SAR

Network

We hereby declare that [all essential radio test suites have been carried out and that] the above named product is in conformity to all the essential requirements of Directive 1999/5/EC.

The conformity assessment procedure referred to in Article 10 and detailed in Annex[IV] of Directive 1999/5/EC has been followed with the involvement of the following Notified Body(ies):

**BABT, Balfour House, Churchfield Road,
Walton-on-Thames, Surrey, KT12 2TD, UK**

Identification mark: 0168

The technical documentation kept at :

Samsung Electronics QA Lab.

**which will be made available upon request.
(Representative in the EU)**

2006.10.27

(place and date of issue)

Yong-Sang Park / S. Manager

(name and signature of authorised person)

*** It is not the address of Samsung Service Centre. For the address or the phone number of Samsung Service Centre, see the warranty card or contact the retailer where you purchased your phone.**

- * Depending on the software installed or your service provider or country, some of the descriptions in this guide may not match your phone exactly.
- * Depending on your country, your phone and accessories may appear different from the illustrations in this guide.

SAMSUNG ELECTRONICS

