SAMSUNG

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Smartphone
SGH-i270
User's Guide

Please read this manual before
operating your Smartphone, and keep
it for future reference.

Contents

CHAPTER 3: Synchronising information

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■ Important safety precautions

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

Road safety at all times

Do not use a hand-held phone while driving; park the vehicle first.

Switching off when refuelling

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

Switching off in an aircraft

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

Switching off near all medical equipments

Switch your phone off near medical equipment. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy. Follow any regulations or rules in force.

Interference

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

Special regulations

Meet any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Water resistance

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

Sensible use

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

Emergency call

Key in the emergency number for your present location, then press 🔄 . Give all the necessary information as accurately as possible. Do not end the call until given permission to do so.

Keeping small children away from your phone

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

Accessories and batteries

Use only Samsung-approved accessories and batteries. Use of any unauthorised accessories could damage your phone and may be dangerous.

Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers.

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see page xx.

> **CAUTION**
> RISK OF EXPLOSION IF A BATTERY IS REPLACED
> BY AN INCORRECT TYPE.
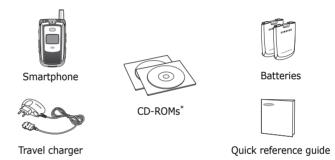> DISPOSE USED BATTERIES ACCORDING
> TO THE INSTRUCTIONS.

Getting started

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

▪▪ What's in the box?

Your Smartphone comes with:

Smartphone

CD-ROMs*

Batteries

Travel charger

Quick reference guide

* One CD-ROM contains Microsoft ActiveSync software, Add-on software and applications, and the other contains User's Guide in PDF format.

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

- Car charger/adapter
- Standard/Extended battery
- Travel charger
- PC data link cable
- Bluetooth USB dongle kit
- Bluetooth mono & stereo headset kit
- Finger strap
- Desktop holder
- B/T handsfree car kit
- Straight headset

Note: The items supplied with your Smartphone and available accessories may be different depending on your country or service provider.

■ Getting to know your Smartphone

Front view

With the phone open

Earpiece

Display

Camera

Navigation keys

Soft key(Left)

Soft key(Right)

OK key

Back key

Home key

Internet key

Dialer/Send key

End key

Alphanumeric key

Reset key

Microphone

Charging/Communication port

With the phone closed

Antenna

Camera

Camera flash

Headset jack

Camera key

External display

Phone key

Volume keys

Service light

Voice command key

Rear view

Infrared port

Battery lock

SAMSUNG

Battery

Expansion card slot

Keys of your Smartphone

Key	Description
	Camera key. Press to open the **Camera** application. In Camera, press to take a photo.
	Phone key. Press to open the Quick List screen. Press and hold to turn the phone's power on or off.
	Soft keys. Press either soft key to perform the command shown on the screen immediately above the key.
	Home key. Press to switch to the Home screen in an application. Press and hold to open the **Program Launcher** application.
	Back key. Press to return to the previous screen. Press to delete characters from the display in a text input field.
	Navigation (Left/Right/Up/Down) keys. Press to scroll through a list.
	OK key. Press to confirm your selection.
	Internet key. Press to open the **Internet Explorer** application.
	Phone/Send key. Press to open the Dialer screen. In Phone mode, press to send or answer a call.
	End key. In Phone mode, press to end a call.

Key	Description
	Alphanumeric keys. Press to enter numbers and characters.
	Asterisk key. Press to change the letter-case in a text input mode. Press and hold to change the text input mode in a text input field.
	Pound key. Press to enter a space in a text input field. Press and hold to turn on or off the sound (system volume and the ringer volume).
	Volume key. Press to adjust the voice volume during a call. In Idle mode, press to adjust the system volume.
	Voice command key. Default setting is **Voice Notes**. Press to record a memo in **Voice Notes**. Press and hold to open the **Voice Assist** application.

■■ **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 others 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, inserting, or removing the card.

• When installing the SIM card, always make sure that the phone is switched off before you remove the battery.

Inserting the SIM card

1. If necessary, remove the battery by referring to page xx.

2. Insert and slide the SIM card under the two tabs, as shown, ensuring that the gold coloured contacts of the card face down into the phone.

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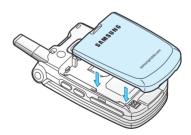
To remove the SIM card, slide the card out of the holder, as shown.

■■ Installing the battery

Installing the battery

1. Put the battery on the back of the phone.
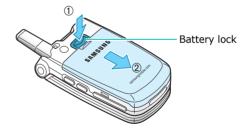
2. Slide the battery up until it clicks into place.

Make sure that the battery is securely locked before switching the phone on.

Removing the battery

1. To remove the battery, press and hold the battery lock, with the back of the phone facing you.

2. Slide the battery off the phone, as shown.

Battery lock

■ Charging your Smartphone

While charging your Smartphone, the Charging icon
(⚡) displays on the navigation bar of the screen.

1. Plug the connector of the travel charger into the bottom
   of the Smartphone. Check that the arrow on the
   connector is facing up.

2. Plug the charger into a standard AC wall outlet.

3. When charging is finished, first unplug the charger from
   the power outlet. Then remove the charger from the
   Smartphone by pressing the buttons on both sides of
   the connector and pulling the connector out.

Low battery warning

Your Smartphone displays the Battery Low icon (⊏!) and a warning message when the battery gets low. If this happens, charge the battery using the travel charger or an optional desktop holder.

When the battery gets very low, the Smartphone turns off the phone to reduce the power consumption.

If the Smartphone is nearly out of battery power, it shows the "Main Battery very low" message. In this case, you cannot perform a synchronisation without connecting the Smartphone to a power source and the phone doesn't give you any instructions for saving data. Connect the charger to the Smartphone or place the phone into an optional desktop holder immediately.

The basics

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

■ Using the Home screen

You will see the Home screen when you turn on your Smartphone. You can also display it by pressing ⌂ in an application or the **Home** soft key from the **Start** menu.

On the Home screen, you can see important information for the day, at a glance. You can also quickly switch to the application you recently access.

Status icons show a specific status of your Smartphone.

Shows the recent applications you used. Scroll to the application you want and press ○ to open the selected application.

Scroll to the item and press ○ to view your day at a glance.

Press to open the **Start** menu and switch to a programme.

Press to access the Contacts application.

Navigation bar

On the top line of the screen, the navigation bar displays icons to show your Smartphone's current status. Followings are some of the status icons you may see:

Status icon	Description
📶	Shows the level of your battery power. The more bars you see, the more power you have remaining. You can view the following battery status: • 📶: Battery is full. • 📶: Battery is low. • 📶: Battery is none. • 📶: Battery is charging.
t9	Appears to tell you the current text input mode. The following indicators are available, depending on the input mode: - **T9**: T9 mode - **Abc**: Multipress mode - **123**: Number mode
◀x	Appears when **Ring tone** has been set to **None** or **Vibrate** in **Sounds** or **Ring type** has been set to **Vibrate** or **Silent** in the current active profile. See page xx or xx.
▲	Appears when you're roaming outside of your home area and logged onto a different network.

Status icon	Description
▼ıl	Shows the strength of the signal. When you are outside a service area, ▼ appears. In a limited service area, you cannot use mobile services, but you can make emergency calls. When the phone is switched off, ▼ₓ appears.
G	Appears when a GPRS connection is available in the network. When connection with a GPRS network is active, ᴳıl appears.
⇢	Appears when a connection with a PC is active.
⇄	Appears when synchronisation is occurring.
⊕	Appears when an error happens during synchronising.
⇢ₓ	Appears when a connection with another device or a network is inactive.
▲	Indicates that one or more instant messages have been received.
✉	Appears when one or more e-mail/SMS messages have been received.
1	Indicates that you can make calls using phone line 1 only (network service). See page xx.

Status icon	Description
2	Indicates that you can make calls using phone line 2 only (network service). See page xx.
ꜙꜙ	Appears when a new voice mail has been received. The following indicators are available, depending on the number of the current phone line: ꜙ: A new voice mail received from line 1. ꜙ: A new voice mail received from line 2. ꜙꜙ: A new voice mail received from line 1 and line 2.
📶	Appears when a call is in progress.
📞	Appears when there is a call you have missed.
📞	Appears when you set incoming calls to be diverted to another destination.
📞	Appears when the current call is on hold.
📶	Appears when a data call is in progress.
🟦	Appears when the Bluetooth feature is activated. For further details, see page xx.

Changing information from the Home screen

From the Home screen, you can change information, including:

• upcoming appointments

• profile options

• unread text messages

To change information on each item:

1. On the Home screen, scroll to the item you want to change and press ○.

2. Enter or change the information.

   For more information on changing these items, see the appropriate instructions for each task in this guide.

3. Press ⌂ or ✆ to return to the Home screen.
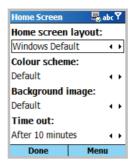
Customising the Home screen

You can customise the Home screen in the following ways: change the Home screen layout, colour scheme, background image, and time out for the Home screen.

To customise the Home screen:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Home Screen**.

```
┌─────────────────────────────────┐
│ Home Screen        🖥 abc 📶     │
├─────────────────────────────────┤
│ Home screen layout:             │
│ Windows Default          ◀ ▶    │
│ Colour scheme:                  │
│ Default                  ◀ ▶    │
│ Background image:               │
│ Default                  ◀ ▶    │
│ Time out:                       │
│ After 10 minutes         ◀ ▶    │
├─────────────────────────────────┤
│    Done       │    Menu         │
└─────────────────────────────────┘
```

3. Scroll to the options you want and press ◯ to select the settings.

   The following options are available:

   • **Home screen layout**: Select the layout to be used for the Home screen.

   • **Colour scheme**: Select the colour scheme to be used for the Home screen.

   • **Background image**: Select an image from one of the available themes, or select your own image using the Activesync or from **Photo Album**, to use as a background image on the Home screen.

   • **Time out**: Specify the length of time the phone waits before returns the display to the Home screen if the phone is not used.

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

■ Start menu screen

On the Start menu screen, you can access all of the applications for your Smartphone. On the Home screen, press the **Start** soft key to open the Start menu screen.

Opening applications or folders

Scroll to an application or a folder using the Up or Down key and press ◯ to open it. You can also press the number key assigned to the application you want.

Closing applications

Using **Task Cleaner**, you can end the application currenty open. On the Home screen, press the **Start** soft key and select **More** → **More** → **Utilities** → **Task Cleaner**. Scroll to the application, press the **Menu** soft key, and select **Close**. If you want to close all of the open applications, select **Close All**.

■ Using the external display

Your Smartphone has an external display on the front of the phone. It indicates when you have an incoming call or a message. It also alerts you at a specified time when you have set an alarm. The backlight turns on and the corresponding icon appears on the external display.

When you close the phone, the display shows the current time in a digital clock or analogue clock. You can select a clock type to be displayed in **External Display**. See page xx.

The external display turns off after a specific time you set in **Power Management**. To turn on the display after you close the phone, press and hold any key, except for ▣, on both sides of the phone.

When the phone is closed, you can take photos by pressing and holding ▣.

▦ Customising your Smartphone

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

Regional settings

Using **Regional Settings**, you can view number formats, currency, and time and date formats appropriate to the countries in question. You can also change the clock to 24 hour display.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **More** → **Regional Settings**.

Select your region to set default language format.

3. Select the option you want in each field.

4. Press the **Done** soft key.

5. Press the **OK** soft key to confirm.

   If you change the **Language** or **Locale** option, you need to turn the Smartphone off and then back on to make your changes take effect.

Setting the time and date

The Date and Time setting enables you set the date, time, and time zone. You can also set the alarm.

To set the date and time:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Date and Time**.

3. Scroll to the options you want and press ◯.

   The following options are available:
   • **Time zone**: You can set your time zone. The time and date will change according to this setting.
   • **Date**: You can set the current date.
   • **Time**: You can set the current time.
   • **Alarm**: You can select whether or not the alarm rings at a specific time.
   • **Alarm time**: You can set the time for the alarm to ring.

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

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

When the time for an alarm comes, use either of two soft keys to stop the alarm:

• Press the **Dismiss** soft key.

• Press the **Menu** soft key and select **Snooze** to stop the alarm for 5 minutes, after which it will resume. You can do this a maximum of 5 times.

If you want to dismiss all alarms on the list, select **Dismiss All**.

Display settings

You can change the various settings for the display or the backlight.
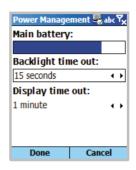
Changing power settings

You can conserve battery power by adjusting the time-out settings for the battery and display. During standby, the Smartphone goes to Sleep mode after a specified period of time of inactivity, so very little power is being consumed. This helps to preserve programmes and data stored in the RAM.

A lower setting increases the usable battery time. A higher setting decreases the usable battery time and allocates it for standby usage.

To adjust the power setting:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Power Management**.

3. Select the power settings:

   In the **Main battery** option, you can check the remaining amount of battery power.

   In the **Backlight time out** option, you can select the length of time the backlight is on. A backlight illuminates the display and the keypad. When you press any key or open the phone, the backlight turns on and remains on for the backlight time-out period.

   In the **Display time out** option, you can select the length of time the main and sub LCD screen remains on.

   In the **Display Brightness** option, you can adjust the brightness for the backlight on the screen.

   In the **Cpu Mode** option, you can set the processor speed for your Smartphone. Select the mode you want.

4. Press the **Done** soft key.

Changing the external display settings

You can configure the sub LCD clock and service LED settings.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **External Display**.

   The following options are available:
   • **Sub LCD Clock**: you can select a type for the clock to be displayed on the external display.
   • **Service LED**: you can select whether or not the service light is used. You can also select a colour in which the service light flashes.

3. After finished, press the **Done** soft key.

Changing settings for Accessibility

You can configure the system font size, multipress time out, and confirmation time out, and in-call alert volume to increase the accessibility to your Smartphone's functions.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Accessibility**.

3. Select the options you want.
   • **System font size**: allows you to set the size of the font on your screen.
   • **Multipress time out**: allows you to set the length of time between keypresses when entering text in Multipress mode.

- **Confirmation time out**: allows you to set the delay before an unconfirmed action times out.
- **In-call alert volume**: allows you to set the volume of the alert tone that sounds when you are on a call.

4. Press the **Done** soft key.

Sound settings

You can customise various sound settings.

Setting sounds and notifications

Your Smartphone reminds you in various ways when you have something to do, receive a message, or press the keys on the Smartphone. For example, if you've set up an appointment in **Calendar**, or an alarm in **Date and Time**, you are notified in any of the following ways:

- A message box appears on the screen.
- A sound, which you can specify, is played.
- The LED indicator flashes.
- Your Smartphone vibrates.

To choose reminder types and sounds:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Sounds**.

3. Scroll to the event for which to specify a sound.

4. Scroll to the sounds you want and press the **Done** soft
   key.

   If you don't want to hear a sound, select **None**.

   The selected sound plays. To play it again, press the
   Menu soft key and select **Play**.

Note: You can connect to the Internet and then download ring
tones that are compatible with the .WAV or .MID format
by using ActiveSync on your PC.

You can also select the sound theme for each event at
the same time.

To choose the sound theme:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Sounds Theme**.

3. Scroll to the theme you want and press the **Done** soft
   key.

The selected sound theme affects all of the sound settings in **Sounds**. If you selected **None**, all of the sound settings in **Sounds** are changed to the default setting.

Setting Profile

Using **Profiles**, you can adjust and customise the phone tones for different events, environments, or caller groups. There are 8 preset profiles: **Normal**, **Silent**, **Meeting**, **Outdoor**, **Automatic**, **Headset**, **Car**, and **Speakerphone**, which you can customise to meet your needs. You can see the currently selected profile at the top of the display on the Home screen.

For the **Headset**, **Car**, and **Speakerphone** profiles, you can only use them when the headset or car kit is connected to your Smartphone or your phone is used as a speakerphone.

To change profiles:

1. On the Home screen, press the **Start** soft key and select **Settings** → **Profiles**. A list of profiles opens.

2. On the Profiles list, scroll a profile and press ◯ or press the **Menu** soft key and select **Select**.
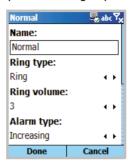

Note: You can quickly change the profile. Press ▯ on the right side of the Smartphone on the Home screen or in on application, scroll to the profile you want to activate, and press the **Select** soft key.

To customise profiles:

1. On the Profiles screen, scroll to the profile, press the **Menu** soft key, and select **Edit**.

   A list of profile settings opens.

```
┌─────────────────────────────┐
│ Normal              abc      │
│ Name:                       │
│ ┌─────────────────────────┐ │
│ │ Normal                  │ │
│ └─────────────────────────┘ │
│ Ring type:                  │
│ Ring                   ◄ ►  │
│ Ring volume:                │
│ 3                      ◄ ►  │
│ Alarm type:                 │
│ Increasing             ◄ ►  │
│ ─────────────────────────── │
│    Done    │   Cancel       │
└─────────────────────────────┘
```

2. Scroll to the setting you want and change it. The settings may differ depending on the selected profile.

   You can rename a profile name, select the ring, alarm, and notification type, and set the volume level for the ring tone, alarm sound, notification, and system sound.

   If you selected **Headset** or **Car** in step1, you can set the time that the phone answers an incoming call automatically when you connect the headset or car kit to your phone.

3. When finished changing profile properties, press the **Done** soft key.

Entering owner information

Owner Information identifies the owner or user of the Smartphone. Name, phone number, e-mail address, and note information fields are available.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Owner Information**.

3. On the Owner Information screen, fill in each input field.

4. If you want to attach notes, enter notes in the **Notes** filed.

5. When finished entering all the information, press the **Done** soft key.

Using the phone lock

You can protect your Smartphone from unauthorised use using the phone lock feature.

Once the phone lock is enabled, your phone is automatically locked after the specified time.

Note: When the Smartphone is locked, you may be able to receive calls.

To enable the phone lock:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **More** → **Security**.

3. On the Security screen, select **Enable Phone Lock**.

4. In the **Lock phone after** field, select a length of time of inactivity the Smartphone waits before locking itself.

5. Enter a password in the **Password** field using the number keypad.

6. Re-enter the same password in the **Confirm password** field for confirmation.

7. Press the **Done** soft key.

Note: You can also quickly set the password to enable the phone lock from the Quick List by pressing [🔒] and selecting **Device lock**.

To use your phone:

1. On the Home screen, press the **Unlock** soft key.

2. Enter the password and press the **Unlock** soft key.

To disable the phone lock:

1. On the Security screen, select **Disable Phone Lock**.

2. Enter the password in the **Password** field and press the **Done** soft key.

Using the key lock (Keyguard)

You can lock the exposed function keys to keep any accidental key presses from causing problems while using your Smartphone.

To lock the keypad, press ⬚ on the right side of the phone and select **Key lock** on the Quick List screen. Once the keypad has been locked, press the **Unlock** soft key and then press the # key to unlock the keypad.

Customising the menu shortcut settings

The Number keys can be used as shortcut keys. On the Home screen, they allow you to directly access specific applications that exist in the **Start** menu. You can also assign the phone number, e-mail address, or Web page in **Contacts** to the keypad button as a speed dial. For details about setting the speed dial list, see page xx.

To assign a shortcut to a key:

1. On the Home screen, press the **Start** soft key.

2. Select the application you want to assign to a key and press the **Menu** soft key and select **Add Speed Dial**.

Add Speed Dial	
Name:	
MSN Messenger	
Value:	
MSN Messenger	
Keypad assignment:	
8	◀ ▶
Done	**Menu**

3. If necessary, enter a name you want in **Name**.

4. In **Keypad assignment**, select a location and press the **Done** soft key.

   The application is assigned to the specific location and displays at the right corner of the Speed Dial list.

Note: Up to 99 Speed Dial locations are available. Locations 0 and 1 are reserved for the international call prefix "+" and the voicemail centre number, respectively.

To access a menu by using short cuts, press and hold the number key(ies) on the Home screen.

▪▪ **Using the Program Launcher**

Using the Program Launcher, you can view the applications in the **Start** menu which sorted by the category and quickly access an application you want. You can also move the application you want to the specific category and create a new category.

To open Program Launcher:

On the Home screen, press and hold 🔲 or the **Start** soft key.

Opening an application

1. On the Program Launcher screen, press the **Next** soft key to select the category if the application is assigned to a certain category.

2. Scroll to the application by pressing the Navigation keys and press ⭕. The selected application opens.

Moving an application to a category

You can move an application in the categories, except for **All**, to a category.

1. On the Program Launcher screen, scroll to the application you want to move.

   If the application is assigned to a certain category, press the **Next** soft key and select the application.

2. Press the **Menu** soft key and select **Move**.

3. Select the category to which you want the application moved and press the **Done** soft key.

Creating a new category

1. On the Program Launcher screen, press the **Menu** soft key.

2. Select **Edit categories** → **New**.

3. Enter a new category name (max. 15 characters).

4. Press the **Done** soft key.

Editing a category

You can rename and delete the categories, except for **Unfiled** and **All**.

1. On the Program Launcher screen, select the category you want by pressing the **Next** soft key.

2. Press the **Menu** soft key and select **Edit categories**.

3. Select **Rename** to rename the selected category, change the name, and then press the **Done** soft key.

   Select **Delete** to delete the category. When the confirmation message appears, press the **Yes** soft key.

▪ Using an optional memory card

Your Smartphone has an expansion slot compatible with a range of Mini SD Memory cards, which are primarily used to back up or transfer files and data.

To insert or remove a memory card:

1. Push the memory card into the slot until it clicks into place. The card is secure when it is not protruding from the base.

2. To remove the card, push it in and release so that it is disengaged from the slot. Then slide the card out.

⊞ **Adding and removing programmes**

Programmes added to your Smartphone at the factory are stored in ROM (Read Only Memory). You cannot remove this software, and you'll never accidentally lose ROM contents. ROM programmes can be updated using special installation programmes with a *.xip extension.

You can install any programme created for your Smartphone, as long as your device has enough memory. The most popular place to find software for your device is on the **Smartphone** Web site (http://www.microsoft.com/mobile/**Smartphone**).

Adding programmes using ActiveSync

You can install a programme downloaded from the Internet or included on the supplied software CD-ROM by performing a synchronisation between your Smartphone and your PC. For more information on the synchronisation, see page xx.

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

To add a programme:

1. On the Home screen, press the **Start** soft key and select **Settings** → **About**.

   You can view the version of your Smartphone.

2. Download the programme to your PC (or insert the CD or disk that contains the programme into your PC).

   You may see a single *.xip, *.exe, or *.zip file, a Setup.exe file, or several versions of files for different device types and processors. Be sure to select the programme designed for the Smartphone and your Smartphone's processor type.

3. Read any installation instructions, Read Me files, or documentation that comes with the programme. Many programmes provide special installation instructions.

4. Connect your Smartphone to your PC and make sure that the ActiveSync is activated.

5. Double-click the *.exe file on the PC.

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

   If the file is not an installer, you will see an error message stating that the programme is valid, but it is designed for a different type of PC. You will need to move this file to your phone. If you cannot find any installation instructions for the programme in the Read Me file or documentation, use ActiveSync Explore to copy the programme file to the **Program Files** folder on your phone. For more information on copying files using ActiveSync, see ActiveSync Help on your PC.

6. Once installation is complete, press the **Start** soft key and select **Programs** and then select the programme icon to open the programme.

Adding a programme directly from the Internet

First, you need to determine what your Smartphone 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 and select **Settings → About**.

   You can view the version of your Smartphone.

2. Download the programme to your Smartphone straight from the Internet using Internet Explorer on your Smartphone.

You may see a single *.xip, *.exe, or *.zip file, a setup.exe file, or several versions of files for different device types and processors. Be sure to select the programme designed for the Smartphone and your Smartphone's processor type.

3. Read any installation instructions, Read Me files, or documentation that comes with the programme. Many programmes provide special installation instructions.

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

5. Once installation is complete, press the **Start** soft key and select **Programs** and then select the programme icon to open the programme.

Removing programmes

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **More** → **Remove Programs**.

3. Select the programme you want to delete.

4. Press the **Menu** soft key and select **Remove**.

5. When the confirmation message appears, press the **Yes** soft key.

   The programme is removed from your Smartphone.

6. When finished, press the **Done** soft key.

Managing certificates

On your Smartphone you can add and delete public key certificates. Certificates help establish your identity when you log on to a secured network or establish the identity of other computers, such as servers, with which you connect. You can store two types of certificates on your phone: personal certificates and root certificates.

To manage personal certificates:

Personal certificates help establish your identity, when you log on to a secured network, such as a corporate network.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Certificates** → **Personal**.

   The list displays the name of the certificate issuer and expiration date.

3. To view more details, select the certificate in the list.

To delete a certificate, scroll to it on the list and press the **Menu** soft key and then select **Delete**.

To manage root certificates:

Root certificates help establish the identity of servers with which you connect. This helps prevent unauthorised users from accessing your Smartphone and information.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Certificates** → **Root**.

   The list displays the name of the certificate issuer and expiration date.

3. To view more details, select the certificate on the list.

   To delete a certificate, scroll to it on the list and press the **Menu** soft key and then select **Delete**.

▇ Resetting your Smartphone

You can perform a soft reset which restarts your Smartphone. The result of a soft reset is that some data may be lost in programmes that are open.

You can return the Smartphone to its factory setting and remove all of the programmes and data you have added by resetting the system.

Performing a soft reset

If your Smartphone responds slowly, stops responding, or freezes, try a soft reset. A soft reset causes the Smartphone to restart and re-adjust memory allocation. Unsaved data in open windows may be lost.

To perform a soft reset:

Use a pointed tool and press the **RESET** key inside the hole on the front of the Smartphone.

OR

Remove the battery and then install it.

▉ Using online help

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

For information on:	See this source:
Additional programmes that can be installed on your Smartphone	The supplied CD-ROM.
Connecting to and synchronising with a PC	The User's Guide or ActiveSync Help on your PC. To view the ActiveSync help, click the ActiveSync icon on the Windows task bar, click **Open Microsoft ActiveSync** → **Help** → **Microsoft ActiveSync Help**.
Last-minute updates and detailed technical information	The Read Me files, located in the **Microsoft ActiveSync** folder on the PC and on the supplied software CD-ROM.
Up-to-date information on your Smartphone	http://www.microsoft.com/mobile/smartphone

▪▪ **Entering text**

The number keys of your Smartphone are labelled with the alphabet so that you can enter text easily.

Your Smartphone has the following input modes:

• T9 mode

• Multipress mode

• Symbol mode

• 123 mode

To change the text input mode:

1. On the text input field, press and hold ⬚.

2. Select a mode from the pop-up menu list.

3. Press ⬚ .

   The text input mode indicator appears on the top line of the display.

Mode	Indicator	See
T9 mode	**t9**	page xx.
Multipress mode	**abc**	page xx.
Symbol mode	no indicator	page xx.
123 mode	**123**	page xx.

Note: You can change the language for T9 mode by selecting **T9 Languages**.

T9 mode

T9 is a predictive text input mode that allows you to key in any character using single keystrokes. This text input mode is based on a built-in dictionary.

To enter a word in T9 mode:

1. When you are in T9 mode, start entering a word by pressing the keys 2abc to 9wxyz. Press each key only once for each letter.

   Example: To enter "Hello" in T9 mode, press 4ghi, 3def, 5jkl, 5jkl, and 6mno.

   The word that you are typing appears on the display. It may change with each key that you press.

2. Enter the whole word before editing or deleting the characters.

3. When the word displays correctly, go to step 4.

   If the word doesn't display correctly, scroll to the word in the pop-up list, which displays alternative word choices for the keys that you have pressed.

   Example: Both "Of" and "Me" use 6mno and 3def. The Smartphone displays the most commonly used choice first.

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4. Put a space by pressing ⌨ and start entering the next word.

To change the letter-case:

Press ⌨. Three cases are available:

- Capital Lock **T9**
- Initial Lock **T9**
- Small Lock **t9**

To delete letters:

Press ⌨. Press and hold ⌨ to clear the entire display.

To include a number:

Press and hold the corresponding number key.

Adding words for T9 mode

Sometimes T9 may not recognise the word you're trying to enter. If this happens, you can add the word to T9 dictionary so that it will recognise the word next time you enter it.

To add a word into the T9 dictionary:

1. Enter a word using T9 mode.

2. Select *Add Word?* from the pop-up menu list.

3. Enter the word you want to add.

4. Press the **Done** soft key.

Multipress mode

Multipress mode allows you to enter letters by pressing the key labelled with the letter you want to enter once, twice, three, or four times until it displays.

To enter a word in Multipress mode:

1. Press the keys labelled with the letter you want:

   - Once for the first letter

   - Twice for the second letter

   - And so on

2. Select the other letters in the same way.

   The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for more than two seconds or press the Right key, and then select the next letter.

3. Press ⊞ to insert a space between words.

To change the letter-case:

Press ⚹. Three cases are available:
- Capital Lock 𝐀𝐁𝐂
- Initial Lock 𝐀𝐛𝐜
- Small Lock 𝐚𝐛𝐜

To delete letters:

Press ⌫. Press and hold ⌫ to clear the entire display.

To quickly include a number:

Press and hold the corresponding number key.

Symbol mode

This mode allows you to enter various symbols and puctuation marks.

Note: You can quickly switch to Symbol mode by pressing and holding ⌨ in each text input mode.

When you select Symbol mode, the symbol list displays.

To enter a symbol:

Scroll to the symbol you want to enter and press the **Done** soft key.

123 mode

This mode allows you to enter numbers. Press the corresponding number key.

▟ **Using My Text**

When using Messaging or MSN Messenger, use **My Text** to quickly insert preset or frequently used messages into the text entry area. To insert a message, press the **Menu** soft key and select **Insert Text** and then select a message.

To edit a **My Text** message, press the **Menu** or **Options** soft key and select **Edit My Text**. Select the message you wish to edit and make desired changes.

Edit My Text 🖥 t9 📶
1 Yes.
2 No.
3 I can't talk right now.
4 I'll be right there.
5 I'm running late.
6 Where are you?
7 :-)
8 :-(
9 Call me later.
Done | **Cancel**

Synchronising information

Using Microsoft® ActiveSync®, you can synchronise the information on your desktop computer with the information on your Smartphone. Synchronisation compares the data on your Smartphone with your desktop computer and updates both computers with the most recent information. For example:

• Keep Pocket Outlook data up-to-date by synchronising your device with Microsoft Outlook data on your desktop computer.

• Synchronise Microsoft Word and Microsoft Excel files between your device and desktop computer. Your files are automatically converted to the correct format.

With ActiveSync, you can also:

• Back up and restore your device data.

• Copy (rather than synchronise) files between your device and desktop computer.

• Control when synchronisation occurs by selecting a synchronisation mode. For example, you can synchronise continually while connected to your desktop computer or only when you choose the synchronise command.

• Select which information types are synchronised and control how much data is synchronised. For example, you can choose how many weeks of past appointments you want synchronised.

WARNING!
ActiveSync synchronises two devices using most recent information. Therefore, if you delete specific data from the Smartphone after a synchronisation, and then perform a synchronisation again, the corresponding data on the computer will be deleted. Be careful not to lose your important data.

Installing ActiveSync

Before you can begin synchronisation with your desktop computer, you must install ActiveSync on your desktop computer from the supplied CD-ROM. You can also download the latest version of ActiveSync from the Microsoft web site (http://www.microsoft.com).

To install ActiveSync on your desktop computer:

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.

   For more help, click on the **Microsoft Active Help** button during installation.

3. After installation is complete, the ActiveSync New Partnership Wizard helps you connect your phone to your desktop computer, set up a partnership so that you can synchronise information between your phone and your desktop computer and/or server, and customise your synchronisation settings.

Note: After installing ActiveSync, a window appears prompting you to connect for the partnership setting. See page 60 for more information on connecting the Smartphone and a computer.

Important: To prevent synchronisation problems, select **Synchronize with Microsoft Mobile Information Server and/ or this desktop computer** only if you are certain that your company is running Microsoft Mobile Information Server 2002 or later, and you know the server name. Otherwise, select **Synchronize with this desktop computer** instead. For more information, contact your network administrator or service provider.

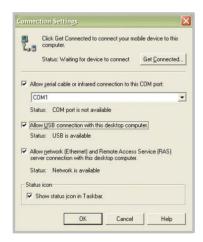Your first synchronisation process will automatically begin when you finish using the wizard.

After the first synchronisation, take a look at Calendar, Contacts, and Tasks on your Smartphone. You will notice that your information has been copied to the phone. Disconnect the phone from the desktop computer and you are ready to go!

■ Customising connection settings

To establish a connection between your computer and the Smartphone, you must enable the connection(s) you want to use in the ActiveSync programme. 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 Smartphone to a computer

To connect the Smartphone to your computer, you can choose either of the following ways:

- Using the USB cable and the desktop charger
- Using the infrared port
- Using the Bluetooth device

Connecting with the USB cable

1. Insert your Smartphone into the desktop charger.

2. Connect one end of the USB cable to the USB cable jack on the back of the desktop charger and the other end into the USB port on your computer.

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

Connecting via the infrared port

Align the infrared ports on your Smartphone and the computer. Once the connections is established, 🔌 appears on the Windows task bar.

Note: If your computer doesn't have an infrared port, you can purchase a USB-IrDA adapter.

Connecting via Bluetooth

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Bluetooth**.

3. Select the operating mode you want. For details, see page xx.

4. Press the **Menu** soft key and select **Devices**.

5. Press the **Menu** soft key and select **New** to search for a new computer.

6. Scroll to a computer and press the **Select** soft key to connect to the paired computer.

7. Enter the passkey and press the **Done** soft key.

8. Enter a display name for the computer and press the **Done** soft key.
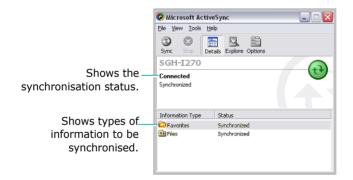
9. Press the **OK** soft key.

Synchronising information

To start ActiveSync:

1. Connect your Smartphone to your computer.

   For more information on connecting the Smartphone and the computer, see page xx.

2. If you are using a USB connection, the ActiveSync screen on your computer automatically appears and starts synchronisation.

   If you are using an IrDA connection, on the Home screen, press the **Start** soft key and select **ActiveSync**, and then select **Menu → Connect via IR**.

   If you are using a Bluetooth, ??

Shows the synchronisation status.

Shows types of information to be synchronised.

Once the synchronisation is complete, the Smartphone stay connected to the computer. If any change is made, ActiveSync automatically begins synchronisation. You can start synchronisation at any time by pressing the

Sync soft key. To stop synchronisation, press the **Stop** soft key.

Open the file directory on the Smartphone by clicking **Explore** from the Microsoft ActiveSync window. You can copy a file quickly and easily from the Smartphone to the computer or vice versa.

To break the connection, disconnect the USB cable or remove the Smartphone out of the infrared range.

Customising synchronisation settings

Using the **Options...** tool, you can customise various setting options for synchronisation with a PC and a server, and set the synchronisation schedule.

Note: To set the synchronisation options, you first need to disconnect your Smartphone from the PC.

Setting PC synchronisation

1. In ActiveSync on your Smartphone, press the **Menu** soft key and select **Options** → **PC Settings**.

2. Select your computer name in the **Use** list.

3. Select one or both of the following:

   • Select **Use mobile schedule to sync with this PC** if you want to synchronise with the PC at scheduled intervals.

- Select **Sync with this PC during manual sync** if you want the device to sync with this PC every time you sync manually.

4. Press the **Menu** soft key and select **Advanced**.

5. Select the connection type to be used when the phone is on the desktop charger.

6. When finished, press the **Done** soft key.

7. Set up a work connection.

8. Start synchronising your Smartphone with the PC.

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

Setting server synchronisation

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

Note: You can also set up a connection to synchronise remotely with a server when you first create a partnership between your mobile device and your PC.

To configure an Exchange server connection:

1. In ActiveSync on your Smartphone, press the **Menu** soft key and select **Option** → **Server Settings**.

2. Select **Connection** and enter your Microsoft Exchange user name, password, and domain name.

3. If you want the device to save your password so that you need not enter it when connecting, select **Save password** check box.

4. In the **Server Name** field, enter name of your Exchange server to which you want to connect.

5. If you want to set the frequency to sync to your server when connected to a PC, press the **Menu** soft key and select **Rules** and then select desired options.

6. When finished, press the **Done** soft key.

7. If items change on both your device and server, conflicts will arise during synchronisation. To change the rules for resolving, on the Server Settings screen, select **Conflicts** and select desired option.

To change Exchange server synchronisation settings:

1. In ActiveSync on your Smartphone, press the **Menu** soft key and select **Option** → **Server Settings**.

2. Select the types of information that you want to synchronise with the server: Calendar, Contacts, or Inbox.

3. Do one of the following:

   • To start synchronising Calendar, Contacts, or Inbox information, select **Sync [Information Type] with a server** on the appropriate synchronisation settings page.

• To stop synchronising Calendar, Contacts, or Inbox information, unselect **Sync [Information Type] with a server** check box on the appropriate synchronisation settings page.

• Change the amount of information to be synchronised. Note that there are no synchronisation settings for Contacts.

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

Note: After setting the server synchronisation, set up a work connection and begin synchronisation on your device.

Change the synchronisation schedule

Using ActiveSync, you can schedule synchronisation of your device on two separate schedules. Use the peak times schedule to synchronise during working hours or other times when you experience higher mail volumes. Use the off-peak schedule to synchronise during times when you experience lower mail volumes. When you are roaming, you can synchronise manually to reduce roaming charges, or you can synchronise using the mobile schedules.

1. In ActiveSync on your Smartphone, press the **Menu** soft key and select **Options → Mobile Schedule**.

2. Set each option:

To synchronise periodically during peak times, select the frequency of synchronisation in the **Peak time sync** list.

To synchronise periodically during off-peak times, select the frequency of synchronisation in the **Off-peak time sync** list.

To synchronise while roaming, select a frequency in the **Roaming sync** list.

Note: The power-off timer is reset each time the device synchronises. If you set a synchronisation schedule that is more frequent than the time set for the device to automatically power off, the device will never turn off to save battery power.

To synchronise each time you send e-mail, select **Sync outgoing items as they are sent** check box.

To set the days and hours for peak times, press the **Menu** soft key and select **Peak Times**.

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

Your phone

As well as all the standard features of a mobile phone, such as mailbox and call history, there are several dialling features unique to your Smartphone. For example, you can take notes while talking, dial directly from Microsoft Contacts and easily transfer contacts between your SIM card and the RAM of your Smartphone.

Additionally, like with a conventional mobile phone, you can easily use one hand to access and navigate through the important features of your phone and make calls.

▪▪ Checking you are connected

The default settings for your Smartphone are programmed with the assumption that you want to use your phone. So, providing you have inserted a SIM card, your Smartphone will activate your mobile phone connection to your service provider's network.

The icon 📶 indicates that you are connected to the network of your mobile phone operator. A full strength signal is indicated by 📶 and as the strength of the signal diminishes so will the number of vertical bars in the icon, with no bars indicating no signal.

■■ Turning the phone on and off

As indicated previously, your Smartphone will turn on your phone when you insert a SIM card and install the battery. However, you can choose to turn off your phone and just use the Pocket PC features at any time – and then turn it back on when you want.

Note: In many countries you are required by law to turn off your phone when you fly. To turn off the display of your Smartphone doesn't actually turn off your phone; you must turn off your wireless connection to your operator's network.

To turn the phone off:

Press and hold 🔲 on the right side of the Smartphone until 📶 appears in the navigation bar of the screen. Or press 🔲 and select **Flight mode**.

To turn the phone on:

Press and hold 🔲 until 📶 appears in the navigation bar of the screen. Or press 🔲 and select **Flight mode off**.

▪▪ **Using the Dialer screen**

When you start entering a number or press ⌕, the Dialer screen opens. You can view the most recent calls you have dialled, received, and missed on the Dialer screen.

From the Dialer screen, as well as being able to make calls, access Contacts, and view the call information by pressing the **Menu** soft key.

██ **Making a call**

You can make a phone call using the number keypad.

Making a call from the Dialer

1. On the Dialer screen, enter a number or a contact name using the keypad.

   If there are numbers that contain your input in Call History or Contacts, they are listed so that you can select one.

2. Press 📞 to make a call.

3. While the number dials, if the number is already in Contacts, the corresponding name displays.

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

5. When finished, press 📞.

Note: To adjust the volume during a call, press ▲/▼ on the left side of your Smartphone to increase or decrease the volume level.

▪▪ Ending a call

Once an incoming or outgoing call is proceeding, you can press 📞 or close the pnone to end the call.

▪▪ Advanced calling features

With your Smartphone, you can make a call from the **Dialer**, **Speed Dial**, **Call History**, and **Contacts**.
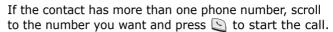
Making a call from Contacts

You can make a call from Contacts in the following way:

1. On the Home screen, press the **Contacts** soft key.

   You can also press the **Start** soft key and select **Contacts**.

2. Select a contact in the contacts list and then press 🕽.

   If the contact has more than one phone number, scroll to the number you want and press 🕽 to start the call.

Contacts	🖳🔁🛱
Alice	**m**
Boelen, David	**m**
Brian	**txt**
HS	**m**
Kim	**m**
Mason, Jenny	**m**
Park	**m**
Samsung	
T	**m**
New	Menu

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 xx.
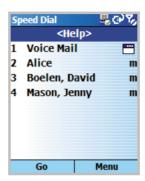
By memorising the position in the Speed Dial list, you can dial the number simply by entering that number. For example:

In the picture on page xx, "David Boelen" is at position 3. To dial his number, simply press and hold 3def; if the number holds a position of 10 or more, press the first number, and then press and hold the second to dial.

Alternatively, if you don't remember the position of a number in the Speed Dial list, use the method below:

1. On the Home screen, press the **Start** soft key and select **More** → **Speed Dial**.

2. On the list of the Speed Dial numbers, scroll to the number you want and then press 📱 or the **Go** soft key.

Making a call using name or digit dialling

You can make a phone call by saying the name that has been assigned to a contact in **Contacts** or on the SIM card, or saying a phone number that doesn't exist in **Contacts** or the SIM catd. For details, see page xx.

Making a call from the Call History

1. On the Home screen, press the **Start** soft key and select **Call History**.

   You can also view the call history on the Dialer screen.

Call History	
Brian	m
Boelen, David	m
Alice	m
K	m
K	m

Save	Menu

Note: Icon is for incoming calls, icon is for outgoing calls, and icon is for missed calls.

---

2. If the number is assigned to a certain category, press the **Menu** soft key, select **Filter**, and select the category from the list.

3. Scroll to the number and then press .

Making an international call

1. Press and hold 0+ until the **+** sign appears. The **+** replaces the international prefix for the country from which you are calling.

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.

```
                    ◀×         Y
                        Smartphone

                                +
       1 (082) 055-2615 042



              Save    |    Menu
```

3. Press 📞.

Making an emergency call

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

Notes:
- Your Smartphone 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.
- Some mobile phone service providers may require that a SIM card be inserted, and in some cases that the PIN has been entered as well.
- In some cases, other emergency numbers may also be accessed. Your mobile phone service provider may save additional local emergency numbers on the SIM card.

▪ Answering or rejecting a call

To answer or reject a received call:

Press the **Accept** soft key or press 📞.

Press the **Reject** soft key or press 📞 to reject the call.

Line 1

Incoming

Cooper, Scott
14254435016

Temporary

Accept   Reject

Note: If you reject a call, the busy tone is sent out. Depending on the network service provider, you may be guided to the voice mail server of the other person.

Adjusting the ringer volume

When there is an incoming call, you can silence the ringer by pressing either of the ⬆/⬇.

▪▪ Options during a call

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

Putting a call on hold

1. If another person is trying to call you when you are talking on the phone, the screen below will pop out.

2. Press the **Accept** soft key to take the second call and put the first on hold.

3. To swap back and forth between 2 callers, press the **Swap** soft key.

4. To end the second call and go back to the first, press the **End** soft key or press 📞.

Setting up conference calling

1. Put a call on hold, dial a second number, and wait for it to be picked up. Alternatively, accept a second incoming call when you already have one in progress.

2. In the screen that appears, press the **Menu** soft key and select **Conference**.

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3. If the conference connection is successful, the word "Conference" will appear at the top of the Dialer screen.

4. To add additional people to your conference call, Press the **Hold** soft key or, key in the number, and then press the **Resume** soft key or to return and continue.
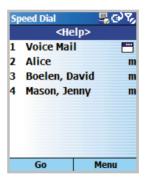
   To talk privately to a person during a conference call, press **Menu** soft key and select **Private**. When the list of call participants appears, select one.

▦ Call-related features

Checking your Voicemail

The first speed dial location defaults as your voicemail box. When you insert your SIM card into your Smartphone, it will automatically detect and set as default the voicemail centre number of your mobile service provider.

To check your voice mail, press and hold [1∞] from the Dialer screen. You can also press the **Start** soft key and select **More** → **Speed Dial** → **Voice Mail**.

```
Speed Dial          ⊞ ↩ ⊽
        <Help>
1  Voice Mail            ▭
2  Alice                 m
3  Boelen, David         m
4  Mason, Jenny          m




        Go    │    Menu
```

Note: You can check and change the voice mail centre number. On the Home screen, press the **Start** soft key and select **Settings** → **Phone** → **Call options** → **Voice mail number**.

Adding and transferring contact information

There are a number of ways in which telephone numbers and contacts can be entered and stored, and there are also a number of ways to make a phone call. It is therefore important to be able to transfer those contacts between the programmes used to make calls.

Places where contacts can be entered into your phone and stored

• Your SIM card: You can exchange your SIM card between your Smartphone and other devices; while using other devices, you can create one or more new contacts on the SIM card.

• Microsoft Contacts.

• Call History: New contact numbers can be found in incoming calls or missed calls.

Why transfer numbers?

• In the event you lose your SIM card while using it in another device, your SIM numbers will be backed up on to your device.

• If you want to transfer a number to **Speed Dial**, it must be in **Contacts**, not on the SIM card.

• If you are using your SIM in another device, you may need the numbers stored in **Microsoft Contacts**.

• Transferring numbers to **Microsoft Contacts** allows you to create more detailed records.

**Microsoft Contacts: Adding and transferring
Contacts**

1. To create a contact, see page xx.

2. Select the contact and scroll to the item you want to
   transfer.

3. Press the **Menu** soft key to open the pop-up menu.

4. To transfer a contact to **Speed Dial**, select **Add Speed
   Dial** from the pop-up menu. On the Add Speed Dial
   screen, enter the contact name (if necessary), select a
   location, and press the **Done** soft key.

   To transfer the contact to the SIM card, select **Save to
   SIM**, enter the contact name (if necessary), and press
   the **Done** soft key.

Note: By default the **Location** option will assign you the next
available position in the **Speed Dial** list. If you want to
put a number in a position that is already occupied, a
confirmation message appears to ask you if you want
to overwrite the setting.

Setting the Speed Dial list

You can assign frequently-used phone number, e-mail address, or Web page stored in your Contacts to the location 2 through 99. The location 0 and 1 on the Speed Dial list is preset for the international call prefix "+" and the voicemail centre number, respectively.

When you press and hold a speed dial key, your Smartphone automatically dials the associated phone number, opens an e-mail message using the associated address, or goes to the associated Web page.

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

To add a contact to the Speed Dial list:

1. On the Home screen, press the **Contacts** soft key.

   You can also press the **Start** soft key and select **Contacts**.

2. Select a contact from the Contacts list.

3. Scroll to a number, e-mail address, or Web page address.

4. Press the **Menu** soft key and select **Add Speed Dial**.

5. If necessary, enter a name you want.

6. In the **Keypad assignment** field, select a location.

7. Press the **Done** soft key.

To edit location assignments:

1. On the Home screen, press the **Start** soft key.

2. Select **More** → **Speed Dial**.

3. On the Speed Dial list, select a number, press the **Menu** soft key, and select **Edit**.

4. Change the contact name or location assignment.

Managing your Call History

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

On the Home screen, press the **Start** soft key and select **Call History**.

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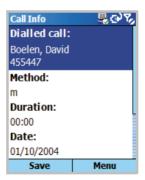
Viewing details of calls

Calls are categorised as below:

- **No Filter**: shows all calls made to and from the phone in chronological order.
- **Missed Calls**: Calls only shows calls that were not answered.
- **Incoming Calls**: Calls only shows calls made to the phone.
- **Outgoing Calls**: Calls only shows calls made from the phone.

To view the duration of a call and time and date you received or made it, on the Call History screen, scroll to call you want to view and press ◯.

To view contact information on the selected call history, scroll to the contact, press the **Menu** soft key, and select **Find Contact** from the pop-up menu.

To send an e-mail message using the e-mail address on the call history, scroll to the contact, press the **Menu** soft key, and select **Email**.

To delete individual calls from **Call History**, scroll to the contact, press the **Menu** soft key, and then select **Delete**.

To delete all calls from **Call History**, press the **Menu** soft key and select **Delete List**.

To save the phone number on the selected call history as a new contact or add it to an existing contact, scroll to the contact, press the **Menu** soft key, and select **Save to Contacts**. You can also press the **Save** soft key.

Viewing call timers

Using **View Timers**, you can view the total call time, the last call time, the time of calls you received and made, and a lifetime counter. You can also view the time you reset the call time last.

To view the call timers:

1. On the Call History screen, press the **Menu** soft key.

2. Select **View Timers**.

3. Press the **Done** soft key.

You can easily erase the call time records at any time, except for **Last call** and **Lifetime calls**, by pressing the **Menu** soft key and selecting **Reset Timers**. This option is convenient for estimating your usage.

Viewing call cost

This network feature lets you view the cost of calls. You can set the maximum cost to limit the cost of your calls to a certain amount of charging units or units of currency. When the max cost is active, calls can be made only as long as the preset max cost is not exceeded.

Viewing call cost may not be available, depending on particular SIM cards. For more information, contact your service provider.

To view the cost of calls:

1. On the Call history screen, press the **Menu** soft key and select **Call Cost**.

2. Scroll to the option you want and press ◯.

   The following options are available:

   • **Last Call Cost**: shows the cost of the last call you made.
   • **Total Cost**: 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 **Set Max Cost** option, you can no longer make any calls until you reset the counter.
   • **Max Cost**: shows the maximum cost set in the **Set Max Cost** option.
   • **Reset Counters**: allows you to reset the cost counter. Before resetting, you must first enter your PIN2.

- **Set Max Cost**: allows you to enter the maximum cost that you authorise for your calls. After finished, you must enter your PIN2.
- **Price/Unit**: allows you to set the cost of one unit. This price per unit is applied when calculating the cost of your calls. After finished, you must enter your PIN2.

▪▪ Customising your phone

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

Call options settings

You can customise settings related to call functions, such as an answering option, voice mail and SMS access numbers, and country and area codes.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Call Options**.

Call Options	
☐ Any key answer	
☑ Show SIM contacts	
Voice mail number:	
SMS service centre:	
+19078319301	
Country code:	
Done	**Cancel**

3. Select the option you want in each field.

   The following options are available:

   • **Any key answer**: When this box is checked, you can answer incoming calls by pressing any key, except for ⌨, ⌂, ⎀, and ⬆/⬇.

   • **Show SIM contacts**: When this box is checked, the contact list stored on the SIM card displays on the Contacts list.

   • **Voice mail number**/**SMS service centre**: When you insert your SIM card into your Smartphone, it automatically detects and sets your voicemail and SMS access numbers by default. You can change the numbers.

   • **Country code**/**Dialling code**: You can enter the country code and area code.

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

Enabling caller ID

When you place a call, your phone number can be displayed or hidden from the person that you are calling.

To enable or disable caller identification:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Caller ID**.

3. In **Provide my caller ID to** field, select **No one** to hide your caller ID or **Everyone** to display it to all. If you want to display your caller ID to the contacts stored in Contacts, select **Only my contacts**.

4. Press the **Done** soft key.

Extra tone settings

You can also customise additional tones for the phone.

1. On the Home screen, press the Start soft key.

2. Select **Settings** → **Phone** → **More** → **Extra Tones**.

3. Select the option you want in each field.

   The following options are available:

   • **Connect Tone**: You can set whether or net your phone sounds an alert tone when your call is connected.

   • **Minute Minder Tone**: You can set whenther or not your phone sounds an alert tone every minute.

4. When finishd, press the **Done** soft key.

Closed User Group (CGU)

This service allows incoming and outgoing calls to be restricted to a selected user group. The CUG service may not be available depending on particular SIM cards.

For more information, contact your service provider.

Activating a closed user group

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Closed User Group**.

3. Set each options. The following options are available:

- **Index List**: Add a new index to the inex list, delete one from the list, and activate indexes by pressing the **Menu** soft key and selecting **Add**, **Delete**, and **Activate**.
- **Outside Access**: Enanle or disable calls to numbers other than those in the CUG.
- **Default Group**: Select whether or not set a default CUG with your service provider.
- **Deactivate**: Deactivate indexes.

Network settings

You can set the phone to automatically select a network or select a network manually when you are roaming out of a service area.

Finding a network

1. Press the **Menu** soft and select **Find a New Network** (retrieving settings may take a few minutes).

Note: You can enable this function when the network status is currently out of network service and you want to conduct a search.

The current network displays in the **Current network** field.

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

Selecting a network

1. On the Home screen, press the **Start** soft key and select **Settings** → **Phone** → **More** → **Networks**.

2. Select either **Automatic** or **Manual** in the **Network selection** field (retrieving settings may take a few minutes when you select **Manual**).

3. If you select **Manual**, press the **Menu** soft key and select **Select a Network**. Select a network you want and press the **Done** soft key.

   You are connected to that network.

   If you select **Automatic**, select the preferred network. See below.

Setting preferred networks

1. On the Home screen, press the **Start** soft key and select **Settings** → **Phone** → **More** → **Networks**.

2. Press the **Menu** soft and select **Preferred Networks**. (retrieving settings may take a few minutes).

3. Select a network and re-priorities the order for network usage by pressing the Up or Down key.

4. Press the **Done** soft key.

Note: If there are many mobile phone service providers available to you, enable this function to select a lower fee network.

Call barring

This service allows you to restrict your incoming or outgoing calls.

To activate or deactivate call barring:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Call Barring** (retrieving settings may take a few minutes).

3. Select the calls type you want to restrict and press the **Done** soft key.

You can choose to restrict your calls with the following choices:

• **All calls**: No calls can be made or received.

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

• **Off**: Call barring is deactivated; all calls can be made and received normally.

4. Enter the barring password provided by your service provider and press the **Done** soft key.

To change the barring password:

You can set and change the call barring password obtained from your service provider.

1. On the Dialer screen, tap **Tools** → **Options...**. You can also access the screen by tapping the **Start** menu → **Settings** → **Phone**.

2. Tap the **More** tab → **Call Barring Password** → **Get Settings**.

3. Enter the old password, then a new one, and re-enter for confirmation.

4. Tap **OK**.

Call forwarding

This service allows you to forward your incoming calls to another phone number.

To activate or deactivate call forwarding:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Call Forwarding** (retrieving settings may take a few minutes).

3. Select a call forwarding option from the following conditions:

   • **Unconditional**: All calls are forwarded.

   • **No Reply**: Calls are forwarded when you do not answer your phone.

   • **Busy**: Calls are forwarded when you are on the phone.

   • **Unavailable**: Calls are forwarded when your phone is turned off or your phone is out of the network service area.

4. Select the **Enable call forwarding** check box.

5. Enter the phone number to which calls are to be forwarded.

6. Press the **Done** soft key.

Call waiting

This service allows you to receive another call while you have a call in progress. You can also turn this option off by unselecting **Provided call waiting notifications**.

To activate or deactivate call waiting:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Call Waiting** (retrieving settings may take a few minutes).

3. Select or unselect **Provide call waiting notifications**.

Once you have activated the Call Waiting service, you will receive an alert tone when you have a second call during a call.

4. Press the **Done** soft key.

Band selection

For the phone to make and receive phone calls, it must be registered with one of the available networks. Your Smartphone can handle combined GSM 900/1800 or PCS 1900 networks.

The country where your phone was purchased determines the default band that it uses. When you travel abroad, you must remember to change to an appropriate band.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Band Selection**.

3. Select an appropriate band in the **Band Selection** field.

4. If the confirmation screen displays, press the **Yes** soft key to confirm your selection.

5. Press the **Ok** soft key.

Fixed Dialling

When this option is enabled, your Smartphone restricts your outgoing calls to a limited set of phone numbers, which are stored on the SIM card. You can only call those phone numbers that are included on the Fixed dialling contact list or which begin with the same digit(s) as a phone number on the list.

To activate the Fixed dialling function:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Fixed Dialling**.

3. Select the **Enanle fixed dialling** checkbox and press the **Done** soft key.

4. Enter PIN2 and press the **Done** soft key.

To add new numbers to the Fixed dialling contact list:

1. On the Fixed Dialling screen, press the **Menu** soft key and select **Edit Numbers**.

2. Press the **Menu** soft key and select **Add**.
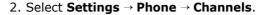
3. Enter the number and press the **Done** soft key.

You can also delete or change the numbers on the Fixed dialling contact list.

Configuring Broadcast channels

Your Smartphone can receive text messages on various topics, such as news, weather forecasts, traffic, entertainment, and so on, from your service provider. Cell Broadcast (CB) Messages display as soon as they are received and provided that:

• the phone is in Idle mode.

• the **Enable channels** check box is selected.

• the message channel is currently active on the channel list.

1. On Home screen, press the **Start** soft key.

2. Select **Settings** → **Phone** → **Channels**.

3. Set each option:

   • **Enable channels**: Select to enable the reception of broadcast messages.

   • **Receive channel list**: Select to receive all of the available channel list from the network.

   To set up the channel list, press the **Menu** soft key and select **Edit Channels**. On the Edit Channels screen, select channels from which you want to receive cell broadcast messages. To add a new channel, press the **Menu** soft key and select **Add**.

   • **Language**: Select to your preferred language to display the cell broadcast messages.

4. Press the **Done** soft key.

Enabling the SIM lock

When this option is enabled, your Smartphone only works with the current SIM card.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **More** → **Security**.

3. On the Security screen, select **Enable SIM Lock**.

4. Enter a password and press the **Done** soft key.

Changing PIN2

This option allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **More** → **Security**.

3. On the Security screen, select **Change PIN2**.

4. Enter the old PIN2, then a new one, and re-enter the new PIN2 for confirmation.

5. Press the **Done** soft key.

Message, Internet, and Messenger.

::: Messaging

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

• Text messages

• E-mail messages

To go to Messaging, on the Home screen, press the **Start** soft key and select **Messaging**.

SMS Messages

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

Creating an SMS message

1. On the Messaging main screen, select **SMS Messages**.

2. On the SMS Messages screen, press the **New** soft key.

3. In the **To** field, enter an SMS number of one or more recipients, separating them with a semicolon, or retrieve a number from the contact list by pressing the **Menu** soft key and selecting **Insert Contact**.

4. Press the Down key and compose your message.

   To enter preset or frequently used messages, press the **Menu** soft key, select **Insert Text**, and select a message.

5. Press the **Send** soft key when you've finished the message. You can also press the **Menu** soft key and select **Send Message**.

   If you want to send the message later, press the **Menu** soft key and select **Postpone Message**. The message is automatically saved in **Drafts**.

Notes:
- If you are sending an SMS message and want to know if it was received, press the **Menu** soft key, select **Message Options**, and select the **Request message delivery notification** checkbox.
- You can change the default settings for sending an SMS message. On the SMS Messages main screen, press the **Menu** soft key and select **Options** → **Sending**.

Receiving messages

When you receive a new SMS message, the ⊠ icon displays on the Home screen and a new message is stored in **Inbox**. Press the **Message** soft key to open the message. You can store outgoing messages in Outbox if you encounter problems while sending them, or in Draft for sending later.

The message icons tell you what kind of a message it is. Here are some of the icons that you may see:

- ⊠ : for an unread SMS message,

- ✉ : for an read SMS message,

To view a message:

The most recently received messages are displayed first on the SMS Messages screen. You can also view the messages in Inbox. To open Inbox, press the **Menu** soft key and select **Folders** → **Inbox**.

1. Select a message you want to view.

SMS Messages (1)
From: 21223

A.k

Reply | **Menu**

2. While viewing the message, you can use the following options by pressing the **Menu** soft key. Available options depend on the type of folder you have opened.

- **Delete**: Deletes the message.
- **Reply**: Sends a reply to the sender. You can also send a reply by pressing the **Reply** soft key.
- **Reply All**: Sends a reply to the senders in the **To** field.
- **Forward**: Copies the message contents to an editor.
- **Move**: Allows you to move message(s) to other folders.
- **Mark as Unread**/**Read**: Allows you to mark the unread or read message.
- **Save to Contacts**: Allows you to copy the phone number of the message sender to the Contacts directory. Choose whether you want to create a new contact or add the phone number to an existing contact.

Note: You can change the default settings for viewing the SMS messages. On the SMS Messages main screen, press the **Menu** soft key and select **Options** → **Display**. You can select whether or not the SMS message displays on the list with date and time, and configure the sorting method of the messages.

Inserting signatures into SMS messages

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

To specify a signature:

1. On the SMS Message screen, press the **Menu** soft key and select **Options** → **Signatures**.

2. Select **SMS Messages** from the **Select an account** drop-down list.

3. Select the **Use signature with this account** checkbox.

4. To insert a signature in every SMS message when you reply or forward the message, select the **Include when replying and forwarding** checkbox.

5. Enter a signature to insert in the **Signature** field and press the **Done** soft key.

Viewing messages on the SIM card

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

Before you can view the messages stored on the SIM card, you need to copy them to a folder in your Smartphone.

1. On the SMS Message screen, press the **Menu** soft key and select **Options** → **Import SIM Messages**.

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

   The text messages are copied from the SIM card to Inbox of the selected account.

Managing messages and folders

By default, messages are displayed in one of five folders for each account you have created: **Deleted Items**, **Drafts**, **Inbox**, **Outbox**, and **Sent Items**.

The **Deleted Items** folder contains messages that have been deleted on your phone. To delete messages permanently, you need to empty this folder.

On the SMS Messages screen, press the **Menu** soft key and select **Folders** to display the folder list.

If you want to organise messages into additional folders on the folder list, press the **Menu** soft key and select **Manage Folders** to create new folders.

To move a message to another folder, select the message on the message list and then press the **Menu** soft key and select **Move**.

To clear the SMS messages in the specific folder, scroll to the folder, press the **Menu** soft key, and select **Clear SMS Messages**.

Outlook E-Mail

Use **Outlook E**-**Mail** to send and receive e-mail messages in either 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

E-mail messages can be synchronised as part of the general synchronisation process. You will need to enable Inbox synchronisation in **ActiveSync**. For information on enabling Inbox synchronisation, see "ActiveSync Help" on the PC.

During Synchronisation

• Messages are copied from the mail folders of Exchange or Outlook on your PC to the **ActiveSync** folder in **Inbox** on your device. By default, you will receive messages from only the past five days, and only the first 100 lines of each message.

• E-mail messages in **Outbox** on your device are transferred to Exchange or Outlook, and then sent from those programmes.

• E-mail messages in folders must be selected in **ActiveSync** on your PC in order to be transferred.

Connecting directly to an E-mail server

In addition to synchronising e-mail messages with your PC, 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 **Inbox** folder. Messages that you receive directly from an e-mail server are linked to your e-mail server rather than your PC. When you delete a message on your device, it is also deleted from the e-mail server the next time you connect based on the settings you selected in **ActiveSync**.

Creating an E-mail account

After you have set up an e-mail server, you need to create a new account to be used for retrieving and sending e-mails.

Note: The SMS and ActiveSync accounts are preset by default.

To make a new account:

1. On the Home screen, press the **Start** soft key and select **Messaging**.

2. Select **Outlook E-Mail**.

3. Press the **Menu** soft key and select **Options** → **Account Setup**.

4. Press the **Menu** soft key and select **New**.

5. Enter your display name and e-mail address.

   If you want to set up your account automatically from the Internet, select **Attempt to obtain e-mail settings from the Internet**.

6. Press the **Next** soft key.

7. Enter your user information, such as user name, password, and domain name (if necessary).

   If you want to save the password, select the **Save password** checkbox.

8. Press the **Next** soft key.

9. Select the E-mail serves type, **POP3** or **IMAP4**, enter an account name, and select a network type. Then press the **Next** soft key.

10. Enter the server information, such as incoming mail server, and outgoing mail server.

   If you want to use different password for outgoing server, select **Outgoing Server Settings**.

11. Press the **Next** soft key.

12. Set the options for downloading e-mails. Press the **Next** soft key.

   You can select the duration of days which you receive e-mails and set the maximum data volume of e-mail you want to download.

13. Select how often your phone automatically connects to the server and checks for incoming e-mails, and press the **Next** soft key.

14. Press the **Finish** soft key.

Creating an E-mail message

1. On the Messaging main screen, select the e-mail account for which you want to send.

2. On the Outlook E-Mail screen, press the **New** soft key.

3. In the **To** field, enter either e-mail address of one or more recipients, separating them with a semicolon, or retrieve an address from the contact list by pressing the **Menu** soft key and selecting **Insert Contact**.

   If you want to send a copy of your e-mail to someone, enter the address in the **Cc** field.

4. In the **Subj** field, enter the subject of the e-mail.

5. Compose your message.

   To enter preset or frequently used messages, press the **Menu** soft key, select **Insert Text**, and select a message.

   You can record a voice message as an attachment by pressing the **Menu** soft key and selecting **Insert Recording**. Press the **Record** soft key to start recording.

6. Press the **Send** soft key when you've finished the message. You can also press the **Menu** soft key and select **Send Message**.

   If you want to send the message later, press the **Menu** soft key and select **Postpone Message**. The message is automatically saved in **Drafts**.

Notes:
• If you are sending an e-mail message and want to know if it was received, press the **Menu** soft key, select **Message Options**, and select the **Request message delivery notification** checkbox.
• You can change the default settings for sending an e-mail message. On the Outlook E-mail screen, press the **Menu** soft key and select **Options** → **Sending**.

Reading E-mail messages

When you receive a new E-mail message, the ✉ icon displays on the Home screen and a new message is stored in **Inbox**. You can store outgoing messages in Outbox if you encounter problems while sending them, or in Draft for sending later.

To view the e-mail message:

1. On the Messaging main screen, select the e-mail account for which you want to receive.

2. Press the **Menu** soft key and select **Send**/**Receive**.

   The Smartphone connects to your e-mail server and receives your message.

3. Select a message you want view.

4. While viewing the message, you can use the following options by pressing the **Menu** soft key. Available options depend on the type of folder you have opened.

- **Delete**: Deletes the message.

- **Reply**: Sends a reply to the sender. You can also send a reply by pressing the **Reply** soft key.

- **Reply All**: Sends a reply to the senders in the **To** field.

- **Forward**: Copies the message contents to an editor.

- **Move**: Allows you to move message(s) to other folders.

- **Mark as Unread**/**Read**: Allows you to mark the unread or read message.

- **Mark for Download**: Allows you to download the completed e-mail messages from the e-mail server. For details, see page xx.

- **Options**: Selects a language for reading a message.

- **Send/Receive**: Allows you to send or receive the e-mail messages.

- **Save to Contacts**: Allows you to copy the phone number or e-mail address of the message sender to the Contacts directory. Choose whether you want to create a new contact card or add the information to an existing contact card.

Note: You can change the default settings for viewing the e-mail messages. On the Outlook E-mail main screen, press the **Menu** soft key and select **Options** → **Display**. You can select whether or not the e-mail message displays on the list with date and time, and configure the sorting method of the messages.

Downloading a full message

When you connect to your e-mail server or synchronise with your PC, by default, you'll receive first 0.5KB of each new message. The image size includes its attachments. The original messages and attachments remain on the e-mail server or your PC. You can change the image size when you set up the account.

You can mark the messages that you want to retrieve in full during your next synchronisation or e-mail server connection. On the message list, select message you want to retrieve. Press the **Menu** soft key and select **Mark for Download**. The icons in the Inbox give you visual indication of message status.

Setting downloading options

You specify your downloading preferences when you set up the account or select your synchronisation options. You can change them at any time:

• Change options for Inbox synchronisation using **ActiveSync** options. 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 **Options** → **Account Setup**. Change the account you want. You can remove an account by tapping and holding the account and then selecting **Delete**.

Viewing e-mail attachments

In the message list, messages that have the attachment display with the 📭 icon. Open the message from the list. Within a message, attachments are displayed as a list of hyperlinks at the bottom of the message, and are preceded by the 📄 icon.

The attachment icon has the following status:

⬜ : Not downloaded

⬜ : Marked for downloaded

⬛ : Downloaded

To download an attachment, in an open message with an attachment, select the attachment. The attachment is downloaded the next time you synchonise or connect to your e-mail server and send and receive e-mail.

To view an attachment, in an open message containing a downloaded attachment, select the attachment.

Inserting signatures into E-mail messages

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

To specify a signature:

1. On the Messaging main screen, select an e-mail account you want.

2. Press the **Menu** soft key and select **Options** → **Signatures**.

3. Select the account for which you want to specify from the **Select an account** list.

4. Select the **Use signature with this account** checkbox.

5. To insert a signature in every e-mail messages when you reply or forward the message, select the **Include when replying and forwarding** checkbox.

6. Enter a signature to insert in the **Signature** field and press the **Done** soft key.

Managing messages and folders

By default, messages are displayed in one of five folders for each account you have created: **Deleted Items**, **Drafts**, **Inbox**, **Outbox**, and **Sent Items**.

The **Deleted Items** folder contains messages that have been deleted on your phone. To delete messages permanently, you need to empty this folder.

On the selected account screen, press the **Menu** soft key and select **Folders** to display the folder list.

If you want to organise messages into additional folders on the folder list, press the **Menu** soft key and select **Manage Folders** to create new folders.

To move a message to another folder, select the message on the message list and then press the **Menu** soft key and select **Move**.

Folder behaviour with a direct connection to an E-mail server

The behaviour 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 Inbox and delete them from the server. 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, whether it is from your device or PC. This synchronisation of folders occurs whenever you connect to your mail server; create new folders, or rename/delete folders when connected.

■ Media Messaging

Media Messaging is a Multimedia Message Service (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. MMS is sent as a multimedia presentation in a single entry, not as a text file with attachments.

Using this MMS feature, you can receive and send multimedia messages that contain images, such as photos or graphics you've taken or downloaded from the Internet.

Media Messaging provides support for e-mail addressing, so that messages can be sent from phone to e-mail and vice versa.

This function is available only if it's supported by your service provider. Only phones that offer the MMS features can receive and display multimedia messages.

To open Media Messaging:

On the Home screen, press the **Start** soft key and select **More** → **Media Messaging**.

Sending multimedia messages

Using **Media Messaging**, you can send a multimedia message containing text, photo, audio, and/or video contents in more than one page.
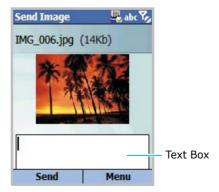
Composing a photo message

1. On the MMS screen, select **Send Photo**.

   Thumbnails of recently taken photos are displayed.

   You can take a new photo by pressing the **Camera** soft key. The Camera application opens where you can take a new photo. For details about taking photos, see page xx.

2. Select the photo you want to send.

   Text Box

3. In the text box, enter your text message. For details about entering text, see page xx.

You can access the following options by pressing the **Menu** soft key:

- **Preview**: shows the photo message you created.
- **Reselect Photo**: allows you to change the photo you want to send.
- **Text Format**: allows you to change the style, size, and colour of the text.
- **Save Message**: allows you to save the message in the **Draft** folder.
- **Cancel**: deletes the photo message.

4. When finished composing the message, press the **Send** soft key.

5. On the Send MMS screen, enter the recipient's address(es) and subject. You can also select the address from the Contacts list by pressing the **Menu** soft key and selecting **Insert Contact**.

If you want to change the message options, such as priority, expiry time, and hiding the sender's address, see page xx.

6. Press the **Send** soft key to send the message.

Composing an audio message

Audio files can be attached to messages or sent as a message.

1. On the MMS screen, select **Send Audio**. The recently used audio files are displayed.

   Press the **Record** soft key to create a new audio. For details, see page xx.

2. Select the audio file you want to send. Each time you scroll to an audio file, the corresponding file plays.

3. Enter your text message in the text box. For details about entering text, see page xx.

   You can access the following options by pressing the **Menu** soft key:

   • **Preview**: shows the audio message you created.

   • **Reselect Audio**: allows you to change the audio file you want to send.

- **Text Format**: allows you to change the style, size, and colour of the text.
- **Save Message**: allows you to save the message in the **Draft** folder.
- **Cancel**: deletes the audio message you created.

4. When finished composing the audio message, press the **Send** soft key.

5. On the Send MMS screen, enter the recipient's address(es) and subject. You can also select the address from the Contacts list by pressing the **Menu** soft key and selecting **Insert Contact**.

   If you want to change the message options, such as priority, expiry time, and hiding the sender's address, see page xx.

6. Press the **Send** soft key to send the message.

Composing a video message

Video files can be attached to messages or sent as a message.

1. On the MMS screen, select **Send Video**. The recently recorded video files are displayed.

   Press the **Camcorder** soft key to create a new video. For details about recording video files, see page xx.

2. Select the video file you want to send.

3. Enter your text message in the text box. For details about entering text, see page xx.

   You can access the following options by pressing the **Menu** soft key:

   • **Play**: plays the video file you select.

   • **Preview**: shows the video message you created.

   • **Reselect Video**: allows you to change the video file you want to send.

   • **Text Format**: allows you to change the style, size, and colour of the text.

   • **Save Message**: allows you to save the message in the **Draft** folder.

   • **Cancel**: deletes the video message you created.

4. When finished composing the video message, press the **Send** soft key.

5. On the Send MMS screen, enter the receipient's address(es) and subject. You can also select the address from the Contacts list by pressing the **Menu** soft key and selecting **Insert Contact**.

If you want change the message options, such as priority, expiry time, and hiding the sender's address, see page xx.

6. Press the **Send** soft key to send the message.

Composing a multimedia message

You can create a multimedia message containing text, photo, audio, and/or video contents. Compose can be used for affixing your signature as an image, adding your e-mail or postal address, adding telephone numbers or text signature as text, or for attaching a video and audio message. They can be customised according to your requirements and sent as a message.

To create a multimedia message:

1. On the MMS screen, select **Compose**. A new blank page is displayed.

2. On the Compose screen, create a multimedia message by using the following tools:
   - Select ✉ to enter a text.
   - Select 🖼 to insert a photo.
   - Select 🎵 to insert an audio file.
   - Select 🎬 to insert a video file. When you have added an image or audio file, this tool is unavailable.
   - Select ⬜ to add a new page. Each page can contain only one instance of text, photo, audio, and video. Press the **Menu** soft key and select **Next Page** and **Prev Page** to navigate between pages.

Note: The multimedia message can have a maximum of 5 pages. A page can have a text, photo, audio, and/or video.

---

3. If necessary, you can change the background colour the screen by pressing the **Menu** soft key and selecting **Background Colour**.

4. When finished composing the multimedia message, press the **Send** soft key.

5. On the Send MMS screen, enter the recipient's address(es) and the message subject. You can also select the address from the Contacts list by pressing the **Menu** soft key and selecting **Insert Contact**.

6. Press the **Send** soft key to send a message.

Note: Each page is displayed as one screen on the receiver's device.

Sending settings

You can set the default settings for sending a multimedia message.

1. On the Send MMS screen, press the **Menu** soft key and select **Options**. The following options are available:

   • **Use as Default**:

   • **Hide Sender Address**: when this option is checked, your phone number is not displayed on the recipient's phone.

   • **Delivery Report**: when this option is checked, the network informs you whether or not your message has been delivered.

   • **Read Reply Report**: when this option is checked, your phone sends a request for a reply along with your message to the recipient.

   • **Priority**: you can select the priority level of your messages.

   • **Class**: you can select the message class you want to send.

   • **Expiry**: you can select the length of time your messages are stored in the message centre after they are sent.

2. When finished, press the **Done** soft key.

Receiving media messages

When a new media message comes in, the message is stored in **Inbox**.

To open Inbox, on the MMS screen, select **Inbox**.

When you access Inbox, the list of multimedia messages are displayed with the information about the sender and subject.

Reading messages

In **Inbox**, you can see the messages you received, you received, and you composed but not sent yet.

1. On the MMS screen, select **Inbox**. The messages in Inbox are displayed.

The icons on the left tell you the status of the messages:

- 📧: Messages that you have read.
- ✉: Messages that you have unread

If you want to find a message you sent or composed but not sent, press the **Menu** soft key and select **Show Folders** → **Sent Item** or **Drafts**. Then select the message you want to read.

2. Select the message you want to read.

3. While you read the message, use the following options:
   • To view the previous page, press the Left key.
   • To view the next page, press the Right key.
   • To view the video clip in the message, press the **OK** key.

   You can also access the following options by pressing the **Menu** soft key:
   • To reply, select **Reply**.
   • To reply to all the recipients, select **Reply All**.
   • To forward the message, select **Forward**.
   • To view the message details, select **Show Details**.
   • To save the objects in the message, such as the image, audio, or video, select **Save Objects**.
   • To view the message properties, select **Properties**.

4. After you read a message, press the **Close** soft key to return to the list screen.

5. On the message list, you can access the following options after selecting one of from the list and pressing the **Menu** soft key:
   • To create a new message, select **New Message**.
   • To reply, select **Reply**.
   • To reply to all the recipients, select **Reply All**.

- To forward the message, select **Forward**.
- To delete the message, select **Delete**. The message is moved to the **Deleted Items** folder.
- To delete all the messages, select **Delete All**.
- To delete the message or all the messages permanently, select it in the **Deleted Items** folder and then select **Delete** or **Delete All**.
- To mark the message that you want to receive them from the MMS server, select **Mark for Download**.
- To mark the message as read or unread, select **Mark as Read** or **Mark as Unread**.
- To set the message configuration options for receiving the MMS from the MMS server, select **Options**. See page xx.
- To view the existing folders, select **Show Folders**.

Configuring the messaging settings

You can change the default settings for sending or receiving multimedia messages.

Changing an MMS Profile

Your Smartphone provides you with six preset MMS profiles which are the sets of MMS network parameters required to send or receive multimedia messages. You can change the active profile to another one or edit the parameters in a profile.

To change the active profile for the MMS feature:

1. On the MMS screen, select **Settings** → **Profile**.

2. Select the profile you want to make active from the **MMS Profile** field.

3. In the **Active Profile** field, press the **Profile** soft key and select **Set as Active Profile**.

4. Press the **Done** soft key.

To edit the network parameters in a profile:

1. On the Profile screen, select a profile from the **MMS Profile** field.

2. Press the **Profile** soft key and select **Edit Profile**.

3. Change the following options:
   - **MMS Profile**: Enter the profile name.
   - **MMSC**: Enter the URL address of the MMS centre.
   - **Data Connection**: Select a intermediate to connect to the MMS centre, Gateway, or Proxy.
   - **Gateway**: Select a gateway to connect to the MMS centre.
   - **IP Address**: Enter the IP address of the gateway.
   - **Port**: Enter the port number of the gateway.
   - **Encoding**: Select an encoding type to send your messages.

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

Note: If you want to cancel the changed network parameters and restore their default settings, select a profile and press the **Profile** soft key and select **Default**.

Receiving settings

You can set the default settings for receiving a multimedia message.

1. On the MMS screen, select **Settings** → **Configuration**.

2. Specify whether or not your Smartphone retrives new incoming messages from the MMS centre. You can select either of the following options:

   • **Automatic**: the phone automatically retrieves new messages from the server.

   • **Manual**: the phone receives notifications and you need to manually download new messages by using the **Mark for Download** option.

   • **Custom**: You can customise the options for automatic download.

3. When you select **Custom** in step 2, you can set the following options:

   • **Message Size**: Limits the maximum size of incoming MMS messages. Select the **Download Message** checkbox and enter the maximum size.

   • **Message Class**: Allows you to specify the message class you want to receive.

4. When finished, press the **Save** soft key.

⊞ 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 xx.

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

Opening Internet Explorer

On the Home screen, press ⓘ or press the **Start** soft key and select **Internet Explorer**.

Browsing the Internet

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.

   • press the **Menu** soft key and select **Address Bar** → **View History** to open the list of the pages you last accessed. Scroll to the page you want to view.

   • press the **Favorites** soft key and scroll to the page you want to wiew.

2. Press the **Go** soft key on the browser to open the associated web page.

   While processing, 🪟 appears on the top right of the browser.

Navigating the browser

The following table helps you browse the Internet easily:

To	Press the
scroll through browser items	Up or Down key
select a browser item	**Go** soft key
return to the previous page	🔲 key
open the Favorites list	**Favorite** soft key
refresh the connection	**Menu** soft key and select **Refresh**
change the layout of the web page	**Menu** soft key and select **Layout**
add the current web page to favorite	**Menu** soft key and select **Add Favorite**

Using Favorites

You can store your favorite link while using the Internet Browser and then access them easily. Categorising them enables you to find them more quickly.

Adding a Web page to the Favorites list

1. Go to the page you want to add and press the **Menu** soft key and select **Add Favorite**.

2. Enter a name for the favorite link and the URL of the link.

3. Select a category from the **Folder** list under which you want to save the favorite.

   You can create or delete a category by pressing the **Menu** soft key and selecting **Add Folder** from the Favorites list.

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

Opening a link through Favorites list

1. On the Internet Explorer screen, press the **Favorites** soft key. Or press the **Menu** soft key and select **Favorites**.

2. Scroll to the link you want to access.

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

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

Deleting a favorites

1. On the Favorites screen, scroll to the link you want to delete.

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

2. Press the **Menu** soft key and select **Delete**.

3. Press the **Yes** soft key to confirm the deletion.

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 **Options**.

You can also change options on the Favorites screen.

The following options are available:

- **General**: You can select whether or not to show images or play sounds on Web pages, view the warnings when you move from a secure to a non-secure Web page, or download cookies to your Smartphone. You can also select the language to use.

- **Connections**: You can change the network settings to connect to Internet Explorer. If you select the **Automatically detect settings** checkbox, your phone automatically detects network settings.

- **Memory**: You can make memory available on your phone by clearing stored cookies and Web pages. Select the type of memory to clear.

▦ Pocket MSN

Pocket MSN delivers an always-on experience that enables you to remain available to other online users and always up to date with e-mail, instant messaging (IM) and other online services without maintaining a continuous network connection to the phone.

The connection will be restored when a new message arrives or when you needs the service. In addition, subscribers will receive only updates or changes to their contacts and Inbox — rather than receiving entire lists — when they connect to the service.

You will have one-click access to MSN Hotmail® and MSN Messenger. In addition, Pocket MSN will allow you to wirelessly browse online and receive other MSN services, including MSN Alerts, which include news, sports and weather updates.

In addition to always-on services, you can access, compose and answer Hotmail messages offline, maximising their time when mobile connections aren't available.

To access Pocket MSN, on the Home screen, press the **Start** soft key and select **More** → **Pocket MSN**.

▓ **WAP Browser**

Using **WAP Browser**, you can browse the WAP (Wireless Application Protocol) sites on your Smartphone.

Connecting to a WAP site

1. On the Home screen, press the **Start** soft key.

2. Select **More** → **More** → **WAP Browser**.

3. To open one of your favorite sites, press the **Favorites** soft key, open the category which contains a WAP site you want, and then select a WAP site in the list.

   You can also enter an address of WAP site on the Go To screen. On the WAP Browser screen, press the **Menu** soft key, select **Go To**. Enter a URL and then press the **Done** soft key.

4. While you are navigating through the WAP pages, you can use the following options by pressing the keys:

To	Press the
display the list of your favorites	**Favorites** soft key
go to the previous visited page	⌐ key
go to the homepage	**Menu** soft key and select **Home**
refresh the current page	**Menu** soft key and select **Refresh**
add the current page to a favorite	**Menu** soft key and select **Add To Favorites**

Using Favorites

You can store your favorite WAP sites and then access them easily. Categorising them enables you to find them more quickly.

Adding a URL as a favorite

1. On the WAP Browser screen, press the **Menu** soft key and select **Add To Favorites**.

Add To Favourites	🖳 abc ⅀ₓ
Name	
http://	
Category	
General	◄ ►
Done	**Menu**

2. Enter a name for the favorite site and the URL of the site.

3. Select a category from the list under which you want to save the favorite.

   You can also create a new category or delete a category by pressing the **Menu** soft key and select **New Category**.

4. Press the **Done** soft key.

Opening a page through favourites

1. On the WAP Browser screen, press the **Favorites** soft key. Or press the **Menu** soft key and select **View** → **Favorites**.

   The list of the category displays on the Category screen.

2. Scroll to a category from the list and press the **Open** soft key.

3. Scroll to a WAP site you want and press the **Go** soft key.

Deleting a favourite

1. On the Category screen, scroll to a category from the list and press the **Open** soft key.

2. Scroll to a WAP site you want to delete and press the **Menu** soft key and select **Delete**.

3. Press the **Yes** soft key to confirm the deletion.

Managing Favorite category

You can create a new category for saving the favorite WAP sites and edit or delete the created category.

1. On the WAP Browser screen, press the **Favorites** soft key. Or press the **Menu** soft key and select **View** → **Favorites**.

2. On the Category screen, scroll to the category you want and press the **Menu** soft key, and then select the option you want.

Using the history

The History list keeps track of all of the WAP sites you visited.

To view the history:

1. On the WAP Browser screen, press the **Menu** soft key and select **View** → **History**.

   The History screen displays all of the recently visited URLs.

2. To open a page in the history, scroll to the page and press the **Go** soft key.

To clear the history, press the **Menu** soft key and select **Clear History**. The Clear History option clears all entries on the History list.

Viewing Push messages

You can access your Push Inbox on the WAP Browser screen and view messages pushed by the WAP server.

To view WAP push messages:

1. On the WAP Browser screen, press the **Menu** soft key.

2. Select **View** → **Push Inbox**.

   The Push Inbox screen opens and shows the message list.

3. Select the message you want to view.

   The Push Message Details screen displays the messages with all the details, such as the contents, the sender's address, time and date, priority, and URL.

4. To access the URL specified in the message, press the **Go To** soft key.

   To move the message in the Push Inbox screen to the Push-Archive screen, press the **Menu** soft key and select **Move to Archive**.

5. When finished, press the **Done** soft key.

To view WAP Push archives, press the **Menu** soft key in the Push Inbox screen and select **View Archive**.

Setting the WAP options

Settings options

You can view the current connection settings for WAP. You can change an active profile or edit a selected profile. You can also change the font size of the text in WAP.

To access this feature, on the WAP Browser screen, press the **Menu** soft key and select **Options** → **Settings**.

Cache & Cookie options

Viewed pages can be cached for faster downloads and Cookie stores information related to a session. You can select to enable or disable the cache or cookie. You can also specify the size of the cache.

To access this feature, on the WAP Browser screen, press the **Menu** soft key and select **Options** → **Cache & Cookie**.

You can clear information stored in the cache and cookie by pressing the **Menu** soft key and selecting **Clear Cache** or **Clear Cookie**.

⊞ **MSN Messenger**

MSN® Messenger on your Smartphone is an instant messaging program that lets you:

• see who is online.

• send and receive instant messages.

• have instant message conversations with groups of contacts.

To use **MSN Messenger**, you must have a Microsoft Passport™ account, Hotmail account, or a Microsoft Exchange e-mail account. If you have a Hotmail® or MSN 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 http://www.passport.com. Get a free Microsoft Hotmail e-mail address at http://www.hotmail.com.

To open MSN Messenger:

On the Home screen, press the **Start** soft key and select **MSN Messenger**.

Setting up

Before you can connect, you must set up the instant messaging account(s) to use. For MSN Messenger Service, you must enter a Microsoft Passport or Hotmail account. For Exchange Instant Messaging, you must enter an Exchange account.

To set up an account and sign in:

1. On the MSN Messenger main screen, press the **Options** soft key and select **Passport Account**.

2. Enter your Microsoft Passport, Hotmail account, or Exchange account information. For details, see the online Help.

3. Press the **Done** soft key twice.

4. To sign in, press the **Sign In** soft key on the MSN Messenger main screen and enter your e-mail address and password.

MSN Messenger

Sign-in Name:

eun@hotmail.com

Examples:
name_123@hotmail.com
example@passport.com

Password:

****

☑ Remember my password

| Sign In | Cancel |
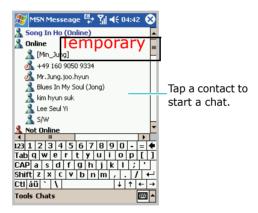
5. Press the **Sign In** soft key.

Working with contacts

The MSN Messenger screen shows all of your messenger contacts at a glance, divided into **Online** and **Not Online** categories. From this view, while connected, you can start a chat by tapping a contact in the list.

If you tap and hold a contact in the list, a pop-up menu displays. You can send e-mail, block the contact from chatting with you, or delete contact from your list using the pop-up menu.

Tap a contact to start a chat.

Note: To see others online without being seen, on the MSN Messenger screen, tap **Tools** → **My Status** → **Appear Offline**. If you block a contact, you will appear offline but will remain on the blocked contact's list. To unblock a contact, tap and hold the contact and select **Unblock** from the pop-up menu.

Chatting with contacts

Tap a contact name to open a chat window. Enter your message in the text entry area at the bottom of the screen, or tap **My Text** to enter a preset message, and tap **Send**. To invite another contact to a multi user chat, in the **Tools** menu, tap **Invite** and tap the contact you want to invite.

Tap to send message.

To switch back to the main window without closing a chat, tap 🏃 on the toolbar. To revert back to your chat window, tap **Chats** on the toolbar and select the person whom you were chatting with.

To know if the contact you are chatting with is responding, look for the message under the text entry area.

Using the **Tools** menu, you can add or block a contact, customise my text, and invite a contact into a contact.

For more information on using MSN Messenger, see the online Help by tapping the **Start** menu → **Help**.

Organiser

This chapter explains how to keep track of contacts and appointments and make a list of tasks you need to do.

Using ActiveSync®, you can synchronise information in Microsoft Outlook or Microsoft Exchange on your PC with your device. You can also synchronise this information directly with a Microsoft Exchange server. Each time you synchronise, ActiveSync compares the changes you made on your device and PC or server and updates both with the latest information. For information about synchronsing Contacts, Calendar, Tasks, and Inbox, see "ActiveSync Help" on the PC.

You can switch to any of these programmes by selecting on them in the **Start** menu.

Calendar

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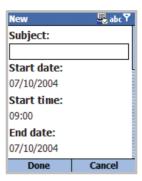
To open Calendar:

On the Home screen, press the **Start** soft key and select **Calendar**. You can view the lists of appointments that you have created in the agenda view.

Creating an appointment

1. In the agenda, week, or month view, press the **Menu** soft key and select **New**.

New	🖳 abc ▽
Subject:	
Start date:	
07/10/2004	
Start time:	
09:00	
End date:	
07/10/2004	
Done	Cancel

2. Fill in the fields.

   • **Subject** - Enter a description of the appointment.

   • **Start date**, **Start time**, **End date**, and **End time** - If needed, enter the date and time to change them.

   • **All day event** - If checked, the appointment lasts all day.

   • **Location** - Enter the place of the appointment.

   • **Reminder** - Select the time the alarm reminds you of the appointment.

   • **Occurs** - Select the repeat interval to set how often the appointment repeats.

   • **Status** - Select the appropriate appomtment status.

   • **Private** - If checked, you can prevent other people from viewing the appointment.

   • **Notes** - Add a note for the appointment.

3. When 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 detail about your appointment.

Note: You can customise the Calendar display, such as changing the first day of the week, by pressing the **Menu** soft key and selecting **Options** on the agenda, week, or month view.

---

1. Select the calendar view by pressing the **Week**, **Month**, or **Agenda** soft key.

   Each event type is assigned a different colour to help you find them more easily.

2. In each view, select the date of the appointment by pressing the Navigation keys.
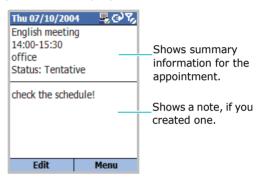
To go to today, press the **Menu** soft key and select **Go to Today**.

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.

A summary screen is displayed.

Thu 07/10/2004	🖳 🕑 🏹
English meeting	
14:00-15:30	
office	
Status: Tentative	
check the schedule!	
Edit	**Menu**

Shows summary information for the appointment.

Shows a note, if you created one.

4. Press the **Edit** soft key to edit the appointment and view its details.

5. Edit the appointment information and press the **Done** soft key to save the appointment information and return to the list of appointments.

Deleting an appointment

1. On the Calendar screen, scroll to an appointment to delete.

2. Press the **Menu** soft key and select **Delete**.

3. Press the **Yes** soft key to permanently delete the appointment.

Beaming an appointment

You can send an appointment via an infrared connection.

1. On the Calendar screen, open the appointment you want.

2. Press the **Menu** soft key and select **Beam Appointment**.

3. When using infrared (IR), align the IR ports according to the instructions on page xx so that they are unobstructed and within a close range.

4. Press the **Beam** soft key.

▉ Contacts

Contacts maintains a list of your friends and colleagues so that you can easily find the information you're looking for, whether you're at home or on the road. Using the device's infrared (IR) port or via Bluetooth, you can quickly share Contacts information with other device users.

To open Contacts:

On the Home screen, press the **Contacts** soft key. Or press the **Start** soft key and select **Contacts**. You can view the list of your contacts that you have created.

Creating a contact

You can create a new contact in the Contacts application, the Phone dialer screen, or on the SIM card.

Creating a contact in the phone memory

1. On the Contacts screen, press the **New** soft key. Or press the **Menu** soft key and select **New Contact**.

2. Enter a name and other contact information. You will need to scroll down to see all available fields by pressing the Down key.

3. To assign the contact to a category, scroll to the **Categories** field and press ◯ or Left or Right key. Select a category from the list and press the **Done** soft key. In the contact list, you can display contacts by category.

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

5. When finished, press the **Done** soft key to return to the contact list.

Creating a contact in the SIM memory

1. On the Contacts screen, press the **Menu** soft key and select **New SIM Contact**.

2. On the SIM Contact screen, 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 from the Phone dialer screen

1. On the Home screen, enter the phone number and press the **Save** soft key.

2. If you first create a contact, skip to step.

3. When the **<New Item>** option highlights, press the **Select** soft key.

   If you want to add the phone number to the existing contact, select the contact.

4. Scroll to the location you want to save the number and press the **Insert** soft key.

5. Fill in the fields by referring to page xx.

Viewing and editing a contact

When you access the Contacts application, 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 Contacts list and their meanings:

Abbreviation	Meaning
w	work phone
h	home phone
m	mobile phone
w2	work phone 2
e	e-mail
h2	home phone 2
pgr	paper
car	car phone
wfx	work fax number (shown in the summary view)
hfx	home fax number (shown in the summary view)
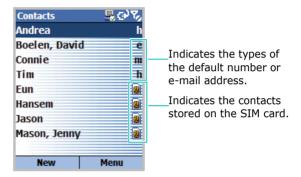
Note: All of the contact saved on the SIM card follow all of the contacts saved in the phone's memory. You can select to not display the contacts stored on the SIM card from the Contacts list. See page xx.

1. On the contact list, select the contact's name you want to view.

   If the contact is assigned to a certain category, press the **Menu** soft key and select **Filter** and then select the category from the pop-up list.

   You can see a list of contacts placed in that category.

Indicates the types of the default number or e-mail address.

Indicates the contacts stored on the SIM card.

2. Select a contact to view it. A summary screen is displayed.

   The highlighted item indicates the default number or e-mail address you set.

Scroll to the phone number, e-mail address, web page address, or etc you want and press ◯. Proper action happens.

3. Press the **Edit** soft key to edit the contact information and view its details.

4. Edit the contact information and press the **Done** soft key to save the contact information and return to the list of contacts.

Sending a SMS message to a contact

1. On the contact list, select the contact you want to send a message.

2. Press the **Menu** soft key and select **Send SMS Message**.

3. The Messaging application opens. For details about creating a new SMS message, see page xx.

Note: To send a text message, you must have a text message number for the contact, which is usually the mobile phone number.

Assigning default numbers and addresses

If a person has several phone numbers or e-mail addresses, to speed up calling and sending messages, you can define certain numbers and addresses to be used as the default.

1. On the contact list, select the contact you want.

2. Scroll to the phone number or e-mail address you want to use as the default.

3. Press the **Menu** soft key and select **Set as Default**.

4. In the summary view, you can see the default number marked as dot.

Deleting a contact

Note: If you delete a contact on your Smartphone and synchronise Contacts with your computer, you also delete the contact in Outlook on your computer.

1. On the contact list or on the summary screen, press the **Menu** soft key and select **Delete**.

   If the contact is assigned to a certain category, on the contact list, press the **Menu** soft key, select **Filter**, and select the category from the pop-up menu list.

2. Press the **Yes** soft key permanently delete the contact.

Beaming a contact

You can send a contact via an infrared or a Bluetooth connection.

To beam a contact via an infrared:

1. On the contact list or on the summary screen, press the **Menu** soft key and select **Beam Contact**.

2. When using infrared (IR), align the IR ports according to the instructions on page xx so that they are unobstructed and within a close range.
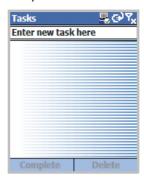
3. Press the **Beam** soft key.

▪▪ Tasks

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

Creating a task

1. On the Home screen, press the **Start** soft key and select **More** → **Tasks**. You can view the list of tasks that you need to do.

2. Select **Enter new task here** field at the top of the screen and enter your task information.

3. When finished, press ○.
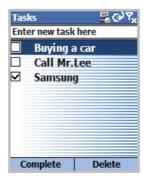
   To view created task more details, scroll to the task you want and press ○.

Completing a task

When a task is completed, mark the task to indicate that the item is done. To mark a task completed, on the task list, scroll to the completed task and press the **Complete** soft key.

To mark a completed task as active, press the **Activate** soft key.

Deleting a task

1. On the task list, scroll to the task and press the **Delete** soft key.

2. Press the **Yes** soft key to permanently delete the task.

Multimedia

⬛ **Camera**

With the built in camera on your Smartphone, you can take photos of people or events while on the move. You can view and edit photos. Your Smartphone supports JPEG, GIF, PNG, and BMP pictures.

To open Camera:

On the Home screen or in an application, press ⬚ on the right side of the Smartphone. You can also press the **Start** soft key and select **More** → **Camera** on the Home screen.

Taking photos

Taking a photo with the phone open

1. On the Camera screen, select **Take Photo**. You can also press and hold ⬚ on the Home screen.

   You can view the image to be captured.

2. Locate the image you want by rotating the camera module and aiming it to the subject.

Use the following keys to adjust the image:

- Press the Left or Right key to adjust the brightness of the image.
- Press the Up or Down key to zoom in or out.
- Press ⬆ to flip the image vertically.
- Press ⬇ to show the mirror image.
- Press the **Flash** soft key to turn the flash. On the flash will light when you press ⬛ or ◯ to take a photo.
- Press the **Menu** soft key to access the camera options. See page xx.
- Use the number keypad to adjust image quickly. See page xx.

3. Press ⬛ or ◯ to take a photo.

The photo is saved to either the Smartphone's memory or the memory card, depending on the setting of **Save Location**. See page xx. You can view the saved photo in Photo Album.

4. Repeat steps 1 through 4 to take more photos.

After the photo has been saved, you can use the following options by pressing the **Menu** soft key:

- **Photo Album**: allows you to go to **Photo Album**.
- **Send**: allows you to send the photo via a multimedia message service and an infrared or a Bluetooth connection. For details, see page xx.

- **Rename**: allows you to change the name of the photo.
- **Delete**: deletes the photo.
- **Lock**/**Unlock**: allows you to lock or unlock the photo to prevent from being deleted.
- **Set as**: allows you to set the photo as the wallpaper for the Home screen or the caller ID image in **Contacts**.
- **Properties**: shows you properties about the photo, such as the time and date it was saved, size, resolution, protection status, format, and file name.
- **Exit**: exits the current screen.

To return to the preview screen to take a new photo, press the **Preview** soft key.

Using the Keypad shortcuts

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

- [1]: accesses the Camcorder application.
- [2]: changes the image size.
- [3]: changes the image quality.
- [4]: selects the number of photos to take multiple photos.
- [5]: changes the colour tone.
- [6]: reduces the distortion on the image to maximise detail and sharpness.
- [7]: selects a decorated frame.
- [8]: selects the length of delay to take a photo automatically after a predefined time.

- ⌨ : opens **Photo Album**.
- ⌨ : turns on or off the flash.

Setting the camera options

You can customise the camera settings. Once you set the camera settings, the corresponding icons display at the top of the Preview screen.

1. On the Preview screen, press the **Menu** soft key.

2. Adjust any of the following settings:

   - **Effects**: Select the colour tone for photos.
   - **Frames**: Select a decorative frame. Select a frame using the Navigation keys.
   - **Multi-shot**: You can take a consecutive sequence of photos of a moving subject. Select the number of photos to be taken. When you press ⌨ or ◯, the camera takes photos successively.
   - **Self Timer**: You can set the camera to take a photo automatically after a perdefined time. Select the length of delay you want.
   - **Options**: Change the default settings for taking a photo.

     - Photo Size: Select an image size. The image size is dictated by the resolution. Resolution is a measure of the sharpness and clarity of an image. Resolution is usually measured in pixels, for example, 640 x 480 = 300 kilopixels. The more pixels there are, the more detailed the photo is.

- Photo Quality: Select an image quality. The better the image quality, the more memory the image consumes.

- Mode: Select the exposure settings based on the lighting conditions. You can select one either **Day** or **Night**.

- Save Location: Select whether you want to store your images in the Smartphone's memory or on the memory card, if you use one.

- Name Base: Change the default prefix of the photo name.

- Shutter Sound: Select a sound when you press the shutter, ⓑ or ⃝.

• **Short cuts**: Show you information about the keypad shortcuts to set the camera options.

• **Exit**: Exit the preview screen.

3. Press the **Done** soft key.

Viewing photos

By default, you can view the photos in Thumbnail view. Thumbnail view displays miniature versions of your photos so that you can see 4 photos on the screen at the same time.

1. On the Camera screen, select **Photo Album**.

2. Scroll to the photo you want by pressing the Navigation keys and press ○.

   To view the photos in the list, press the **Menu** soft key and select **List View**. On the List View screen, scroll to the photo and press the **View** soft key. You can also sort the photos by name, date, or size by pressing the **Menu** soft key and selecting **Sorting**.

Indicates that the photo is stored in your phone's memory and is locked.

3. The photo displays with:
   - the file name and the image size,
   - the number of images inside the current folder,
   - the save location icon and lock/unlock icon.

4. When you are viewing a photo, press the Left or Right key to view the next or previous photo.

Viewing a slide show

A slide show is a sequential presentation of each of the photos in the current album. You can change the length of time each photo remains on the screen and the direction of the slide show by pressing the **Menu** soft key.

To view a slide show:

1. Open the photo and press the **Menu** soft key and select **Slide**.

   The slide show begins from the current photo.

2. To pause the slide show, press the **Menu** soft key and select **Stop**.

   To resume the slide show, press the **Menu** soft key and select **Start**.

   To stop the slide show, press the **Done** soft key.

To change the slide show settings:

1. On the Slide screen, press the **Menu** soft key.

2. Set the following options:
   • **Direction**: Select the direction of the slide show.
   • **Time set**: Select the delay interval between photos.

Editing a photo

You can edit photos by changing the image settings, applying a special effect, or adding decoration items.

Note: You can only edit the photos whose size are QCIF (176 * 144).

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1. Open the photo you want to edit and press the **Menu** soft key and select **Edit**.

2. You are asked to change the image size to QCIF. Press the **Yes** soft key to edit the image.

3. On the PhotoEditor screen, press the **Menu** soft key. The following options are available:
   - **Effects**: Select the colour tone for photos.
   - **Frames**: Select a decorative frame. Select a frame using the Navigation keys.
   - **Add**: Select an icon or text to add to the image.

     - Icon: Select an icon and move it to the place you want by pressing the Navigation keys. Press the **OK** soft key to add the icon to the photo.

     - Text: Enter text to be displayed on the photo. While entering, you can change the colour or size of the text by pressing the **Menu** soft key. After completing the text, press ◯. You can move the text position by pressing the Navigation keys and fix the text or edit it by pressing the **Menu** soft key.

- **Brightness**/**Contrast**: Adjust the image brightness by pressing the **Left or Right** key and adjust the image contrast by pressing the **Up or Down** key.
- **Zoom**: Zoom in or out of the image. Move the focus up, down, right, or left by pressing the Navigation keys, press the **Zoom** soft key, and select a zoom rate.
- **Rotate**: Rotate the photo to the left or right. You can also change to its mirror image.
- **Focus**: Change the focus to one of the added items and then replace it with another one and/or change its position.
- **Save**: Make a copy of the selected image. Enter a new name.

4. When finished, press the **Menu** soft key and select **Save**.

   If you press the **Done** soft key, the confirmation message appears. Press the **Yes** soft key.

5. Enter a new name and press the **OK** soft key.

   If you use an existing name, the Smartphone asks you if you want to replace. Press the **Yes** soft key to confirm, or the **No** soft key and then enter another name.

Sending a photo

You can send photos via multimedia messaging service or via an infrared or a Bluetooth connection.

1. Scroll to the photo you want or open the photo.

2. Press the **Menu** soft key and select **Send**.

3. Select a method; the choices are: **MMS**, **IrDA**, or **Bluetooth**.

   • If you opt to send the photo in a multimedia message, the Send Photo screen opens. Add text and press the **Send** soft key. For details, see page xx.

   • If you opt to send the photo via an infrared connection, align your Smartphone's infrared port with the one on the other phone or PC. For details, see page xx.

   • If you opt to send the photo via a Bluetooth connection, see page xx.

Setting a photo as wallpaper or caller ID

You can use your photos as wallpaper (background images) for the Home screen or the caller ID image which adds to a contact card as a thumbnail image. Press the **Menu** soft key and select **Set as** and then **Wall Paper** or **Caller ID**.

Deleting a photo

1. Scroll to the photo you want to delete or open the photo.

2. Press the **Menu** soft key and select **Delete** → **Delete this**.

   If you want to delete all of the photos, select **Delete** → **Delete all**.

3. When the confirmation message appears, press the **Yes** soft key.

Viewing memory status

You can check the amount of the memory being used and the memory remaining for the photos. On the Camera screen, select **Memory Status**. The display shows the Free, Used, and Total memory in your phone and on the memory card for photos.

Camcorder

With the built-in camera on your Smartphone, you can record video clips on your phone or a memory card, if you use one. You can send the recorded video clips as a multimedia message.

To open camcorder:

On the Home screen, press the **Start** soft key and select **More** → **Camcorder**. You can also press the **Camcorder** soft key on the Camera screen.

Recording video clips

You can record video clips of up to 8 seconds.

1. On the Camcorder screen, select **Record Video**.

2. Locate the image you want by rotating the camera module and aiming it to the subject.

3. To start recording, press the **Record** soft key. The timer on the bottom of the screen shows you the elapsed time.

4. To pause recording at any time, press the **Pause** soft key. To resume, press the **Resume** soft key.

To flip the image vertically, press 📳 on the left side of the phone.

To show the mirror image, press 📳.

To zoom in or out on your subject before or during recording, press the Up or Down scroll key.

To adjust the brightness of the image, press the Left or Right scroll key.

5. To stop recording before the maximum recording time is up, press the **Stop** soft key.

The video clip is saved to either the Smartphone's memory or on the memory card, depending on the setting of the **Save Location**. See page xx. The Video Player application automatically opens. You can view the saved video clip in Video Player.

6. Repeat steps 1 through 5 to record more video clips.

Using the keypad shortcuts

You can use the keypad to customise your video settings when you are in the Video Preview screen.

- 1️⃣: accesses the Camcorder application.
- 2️⃣: changes the image size.
- 3️⃣: changes the image quality.
- 4️⃣: switches to the MMS Preview screen. You can record a video for sending MMS.
- 5️⃣: reduces the distortion on the image to maximise detail and sharpness.

- 6^{mno} :
- 7^{pqs} : mutes or unmutes audio.
- 8^{tuv} : ??
- 9^{wxyz} : opens **Video Player**.
- 0^+ : turns on or off the flash.

Setting the video options

You can customise the video settings Once you set the video settings, the corresponding icons display at the top of the Video Preview screen.

1. On the Video Preview screen, press the **Menu** soft key.

2. Adjust any of the following settings:

   • **Settings**: Change the default settings for recording a video.

   - <u>Video Size</u>: Selects the image size from **QVGA(320x240), QCIF(176*144)**, or **sCIF(128*96)**.
   - <u>Video quality</u>: Select an image quality from **Good** or Normal.
   - <u>Clip Size</u>: Select the recording time limit. If you selected **Unlimited**, the Smartphone records a video to the limit of the memory remaining.
   - <u>Save Location</u>: Select whether you want to store your video clips in the Smartphone's memory or on the memory card, if you use one.
   - <u>Name Base</u>: Change the default prefix of the photo name.
   - <u>Voice Record</u>: Select whether or not you record audio with a video clip.

- **Short cuts**: Show you information about the keypad shortcuts to set the video options.
- **About**: Provide you with information about the version or copyright of the Camcorder application.
- **Exit**: Exit the preview screen.

Video Player

Using **Video Player**, you can view and delete video clips you have recorded using the camera. You can also send video clips via a multimedia message and lock them to prevent from being deleted.

By default, Video Player allows you to view video clips in Thumbnail view. Thumbnail view displays miniature versions of your videos so that you can see 4 video clips on the screen at the same time. Use this view to browse through video clips or to locate a video clip quickly. On the Camcorder screen, select **Video Player**.

Playing a video clip

1. On the Video Player screen, scroll through the list using the Navigation keys and select the video clip.

Indicates MMS availability, save location, and lock/unlock status.

2. Use the following options during playback:

Indicates the progress of the current file and shows the time elapsed.

- To adjust the volume, press ⏶/⏷ or Up or Down key.
- To pause playback, press the **Pause** soft key.
- To resume, press the **Play** soft key.
- To move backward in a file, press the Left key.
- To move forward in a file, press the Right key.
- To stop playback, press the **Stop** soft key.

Sending a video clip

You can send video clips via multimedia messaging service and infrared or Bluetooth connection.

1. On the Video Player screen, press the **Menu** soft key and select **Send**.

2. Select a method; the choices are: **Via MMS**, **Via IrDA**, or **Via Bluetooth**.

   • If you opt to send the video clip in a multimedia message, the Send Video screen opens. Add text and press the **Send** soft key. For details, see page xx. If you want to record a video clip for adding to a multimedia message, go to the Camcorder main screen, select **Record MMS**, and then record a new voice clip. In this case, the file and image size are automatically adjusted to a standard.

Note: You cannot use the recorded video clips whose file size are larger than a 300KB or whose image size are QVGA.

   • If you opt to send the video clip via an infrared connection, align to your Smartphone's infrared port with the one on the other phone or PC. For details, see page xx.

   • If you opt to send the video clip via a Bluetooth connection. See page xx.

Playing a stream live content from the Internet

1. On the Video Player screen, press the **Menu** soft key and select **Play URL**.

2. Enter an URL address for the streaming content in the **New** field or select a streaming link from the History list.

3. Press the **Play** soft key to play a stream live contact.

Note: You can only open an rtsp:// URL address. You cannot open an http:// URL address. However, Movie Player will recognise an http link to a .ram file since a .ram file is a text file containing an rtsp link.

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4. Use the following options during playback:

- To adjust the volume, press ⬆/⬇ or Up or Down key.
- To pause playback, press the **Pause** soft key.
- To resume, press the **Play** soft key.
- To move backward in a file, press the Left key.
- To move forward in a file, press the Right key.
- To stop playback, press the **Stop** soft key.

Viewing memory status

You can check the amount of the memory being used and the memory remaining for the videos. On the Camcorder screen, select **Memory Status**. The display shows the Free, Used, and Total memory in your phone and on the memory card for Videos.

▦ Windows Media player

Microsoft Windows Media Player 10 Mobile is easy to use; the controls are similar to the keys on a compact disc player.

You can play Windows Media and MP3 files on your Smartphone.

To open Windows Media player:

On the Home screen, press the **Start** soft key and select **More** → **More** → **Windows Media**.

Press ◯ to play the file stored on your phone by default.

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Copying files to your Smartphone

The Windows Media player of your Smartphone can play various file formats, such as, *.asf, *.WMA, and *.MP3. You can copy music files from your desktop computer to the **My Documents** folder in your Smartphone by using ActiveSync. Windows Media player automatically retrieves the music files from this folder.

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.

Use the desktop player to copy digital media files to your Smartphone. Using the desktop player ensures that licenses are copied with protected files.
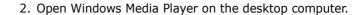
Make sure that you have Windows Media Player 7.0 or later versions on your desktop computer. Depending on the version of your desktop player, the procedure to copy files may vary.

Note: Digital Rights Management (DRM) is a system for protecting the copyright of digital content that is distributed online. Copyright protections may prevent some image, ring tones, and other content from being copied, modified, transferred, or forwarded.

To copy music files from the desktop computer to the Smartphone:

1. Connect your Smartphone to the desktop computer using a USB cable.

2. Open Windows Media Player on the desktop computer.

3. Click **Copy to CD or Device**.

4. Select music files you want to download from the **Music to Copy** list.

5. Select **Smartphone** from the **Music on Device** list.

6. On the menu bar, click **Tools** → **Options**.

7. Click **Copy Music**, select the quality level you want, and then click **OK**.

8. Click **Copy Music**.

The selected files are converted and copied to the **My Documents** folder in the Smartphone.

Playing files

You can play any music or video files stored on your Smartphone, a storage card, or a network.

To play a file stored on your Smartphone:

1. On the Windows Media main screen, press the **Playlist** soft key.

Indicates the files stored on the memory card.

2. Scroll to the file you want to play by pressing the Up or Down scroll key.

3. Press the **Play** soft key.

To play a file on a network:

1. Press the **Menu** soft key and select **Open URL**.

2. Enter a URL.

   If necessary, select a URL prefix, and then enter a URL.

3. Press the **Play** soft key.

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

Changing the Media player settings

On the Windows Media main screen, press the **Menu**
soft key and select **Settings**. You can also change the
settings during playing a file by pressing the **Menu** soft
key and select **Settings**.

You can use the following options:

• **Volume**: Adjust the sound volume by pressing the
  Left or Right scroll key. You can also adjust the volume
  by pressing ⬆/⬇ on the left side of your Smartphone
  during playing a file.

• **Always play video in full screen**: If checked, the
  video file always plays in a full screen.

• **Repeat**: Select the check box to repeat all of the mp3
  files in the Play list in order.

• **Shuffle**: Select the check box to play the files
  randomly.

• **Background play**: If checked, when you launch
  another application, the file currently playing will
  continue to play.

▪▪ FunBox

Using **FunBox**, you can download the Java applications to your Smartphone through the WAP Browser application. The WAP Browser application is used to browse and download the necessary files to install the Java applications. Once you have downloaded the Java applications, they are added to the list under the **Applications** folder on the FunBox main screen.

To open FunBox:

On the Home screen, press the **Start** soft key and select **More → FunBox**.

Installing a Java application

1. On the FunBox main screen, press the **Download** soft key.

2. The WAP Browser application opens. Press the **Menu** soft key and select **Go To**.

3. Enter the URL of the site to download the Java applications and press the **Done** soft key.

4. Select one link to install.

5. When the confirmation message appears, press the **Yes** soft key to install the application.

The detailed information about the application you want to install displays and the confirmation message appears.

6. Press the **Install** soft key to install the application.

7. When the installation is finished, the application is saved in the Applications folder on the FunBox main screen and the phone launches the application.

Opening a Java application

1. On the FunBox main screen, select **Applications**.

2. Scroll to the application you want to open from the list and press the **Menu** soft key and select **Launch**.

Using the Java options

On the Applications screen, press the **Menu** soft key to access the following options:

• **Download**: Download the Java application to your Smartphone. See page xx.

• **Launch**: Launch the selected application.

• **Information**: Show the information about the selected application, such as the size, version, vender, and the security options.

• **Remove**: Remove the selected application.

• **Update**: Update the selected application.

• **Application Settings**: Select whether or not you continue opening an application when you receive information from other applications while running an application.

3. **Exit**: Exit the selected application.

Extra programmes

▪▪ Games

Your Smartphone includes fun games, such as Jawbreaker and Solitaire in the **Games** application.

To open Games:

On the Home screen, press the **Start** soft key and select **More** → **More** → **Games**.

Playing jawbreaker

1. On the Start screen, select **Jawbreaker**.

2. On the Jawbreaker screen, press the **New** soft key. Or press the **Menu** soft key and select **New Game**.

3. Press the **Yes** soft key to confirm your selection.

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

You can set the game options by pressing the **Menu** soft key and selecting **Options**.

Playing solitaire

On the Start screen, select **Solitaire**. Press the **Menu** soft key and select **New Game**. The game starts.

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.

Note: Pressing the Up key moves a card to one of the four stacks in the upper right corner of the screen if it belongs there.

To play solitaire:

1. Move any aces on the seven stacks to the four card spaces at the top of the screen and then make any other available plays.

2. When you have made all available plays, press the **Draw** soft key to turn over cards. Or press the **Menu** soft key and select **Draw**.

▦ Calculator

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

To use calculator:

1. On the Home screen, press the **Start** soft key.

2. Select **More** → **More** → **Accessories** → **Calculator**.

3. Enter the numbers by using the number keys and perform calculations by pressing the Navigation keys or the **Options** soft key.

   You can also add a decimal by pressing ⌨.

   To change a function, for example from + to -, press ⌨.

4. To excute the calculation, press ◯ or press the **Options** soft key and select **Equals**.

5. To clear the current calculation or displayed number, press the **Clear** soft key.

6. To clear the last digit entered in a multi digit entry, press ⌐⌐ or press the **Clear** soft key.

▦ Using 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. In the Voice Notes program, you can create a recording.

Creating a recording

1. Hold your Smartphone's microphone near your mouth or other source of sound.

2. Press ⊚ on the left side of the Smartphone.

Note: You can also create a recording by pressing the **Start** soft key on the Home screen and selecting **More** → **More** → **Voice Notes**.

---

3. Press the **Record** soft key to make your recording.

The numbers on the centre of the screen indicate the elapsed time.

4. Press the **Stop** soft key to stop recording.

Your Smartphone automatically saves the voice note labelled with the title and lists the notes on the All Note screen.

You can also change the title of the note by pressing the **Menu** soft key and selecting **Rename**.

Reviewing a recording

1. On the All Notes list, select the note you want to play.

Recording is played.

2. During playback, press the **Stop** soft key to stop.

You can adjust the sound volume by pressing the ▯/▯ on the left side of the phone.

■■ Voice Assist

Voice Assist is a speech recognition application that enables you to launch applications or dial contacts by speaking an associated command into the microphone.

Voice tips

- Speak clearly, naturally, and continuously. Try to avoid hesitations, such as "er" and "um", at the beginning and in the middle of phrases.

- If in a very noisy environment, use the headset. If not using the headset, address the internal microphone at the bottom of the Smartphone at a distance of about 10-20 cm from your mouth.

- Speak when Voice Assist is ready to listen, as indicated by the progress bar and after an audible beep.

- If Voice Assist doesn't clearly hear what you said, try repeating your voice command. If problems persist, try the Adaptation setting to optimise the speech engine for your voice.

To open Voice Assist:

On the Home screen, press the **Start** soft key and select **More** → **More** → **Voice Assist**. You can also press and hold ⌨. The Voice Command screen displays.

Progress Bar ——

Press to set
options. ——

Note: If you check the **Voice Active Mode** check box at **Settings**, ⌨ on the left side of the Smartphone is associated with Voice Assist, so that you can start Voice Assist by simply pressing ⌨.

When the Smartphone prompts you with displaying "Please say a command", say one of the commands:

• Name Dial

• Name Search

• Digit Dial

• Open <Program>

• Call <Name>

Dialling a number

You can call a person by saying the name or the phone number.

Dialling a number by the name

You can make a phone call by saying the name that has been assigned to a contact in **Contacts** or the SIM card.

Note: To use the Name Dial feature, the name and number that you want to dial must be in Contacts and the SIM card. For details about Contacts, see page 56.

1. On the Voice Command screen, after a voice prompt followed by a short beep, say "Name Dial".

2. On the Name Dial screen, after a voice prompt followed by a short beep, say a name in the following manner: "<First Name + Last Name>"

   If Voice Assist does not hear anyting until the progress bar moves to the right end of the bar, you will be asked to repeat the command twice again.

Note: You can say "Call <First Name + Last Name> stored in **Contacts** or the SIM card to make a call by voice command; for example, say "Call James Bond." This will save you a step for name dialling.

3. Your Smartphone recognises your command and displays a list of one more names in the confirmation screen.

Note: If **Quick Launch** is checked at **Settings**, this confirmation step will be skipped and the best recognition result will be executed immediately.

4. Scroll to the item you want to open and press the **Ok** soft key. Or press the **Cancel** soft key to exit Voice Assist without executing anything.

   • If the item you want to open is the only item in the list OR is already highlighted, then press the **Ok** soft key OR wait until the time slider moves at the right end for immediate execution.

   • If the item you want to open is not highlighted, say "**Previous**" or "**Next**" to scroll to it. You can also press the Navigation keys to move around the result list.

5. If you press the **Ok** soft key or say nothing for 3 seconds, the Smartphone dials the currently selected number.

Dialling a number by the digit

You can make a phone call by saying the phone number that doesn't exist in **Contacts** or the SIM card.

1. On the Voice Command screen, after a voice prompt followed by a short beep, say "Digit Dail".

2. On the Digit Dial screen, after a voice prompt followed by a short beep, say a phone number; for example, for 425-895-1800, say "Four Two Five Eight Nine Five One Eight Zero Zero".

   If Voice Assist does not hear anyting until the progress bar moves to the right end of the bar, you will be asked to repeat the command twice again.

3. Your Samrtphone dials the phone number.

Searching for contacts

You can retrieve contact information for any name in **Contacts** or the SIM card by saying that name. Your Smartphone displays the information.

1. On the Voice Command screen, after a voice prompt followed by a short beep, say "Name Search".

2. On the Name Search scrren, after a voice prompt followed by a short beep, say a name in the following manner: "<First Name + Last Name>".

   If Voice Assist does not hear anyting until the progress bar moves to the right end of the bar, you will be asked to repeat the command twice again.

3. Your Smartphone recognises your command and displays a list of one more names in the confirmation screen.

Note: If **Quick Launch** is checked at **Settings**, this confirmation step will be skipped and the best recognition result will be executed immediately.

4. If there are similar names, follow step 4 on page xx.

5. If you press the **Ok** soft key or say nothing for 3 seconds, the Smartphone displays the contact card.

Opening applications by voice

You can use your voice to launch applications that exist in **Start** menu.

1. On the Voice Command screen, after a voice prompt followed by a short beep, say an application name in the following manner: "Open <Application Name>".

2. On the Name Search scrren, after a voice prompt followed by a short beep, say a name in the following manner: "<First Name + Last Name>".3.

3. Your Smartphone recognises your command and displays a list of one more applications in the confirmation screen.

Note: If **Quick Launch** is checked at **Settings**, this confirmation step will be skipped and the best recognition result will be executed immediately.

4. If the Smartphone founds several applications, follow step 4 on page xx.

5. If you press the **Ok** soft key or say nothing for 3 seconds, the Smartphone automatically opens the currently selected application.

Note: If **Quick Launch** is checked at **Settings**, this confirmation step will be skipped and the best recognition result will be executed immediately.

6. Scroll to the item you want to open and press the **Ok** soft key. Or press the **Cancel** soft key to exit Voice Assist without executing anything.

   • If the item you want to open is the only item in the list OR is already highlighted, then press the **Ok** soft key OR wait until the time slider moves at the right end for immediate execution.

   • If the item you want to open is not highlighted, say "**Previous**" or "**Next**" to scroll to it. You can also press the Navigation keys to move around the result list.

Customising Voice Assist settings

You can customise the various settings for using Voice Assist by pressing the **Settings** soft key on the Voice Assist main screen.

• **Timeout**: Adjust the maximum time to listen to your command.

• **Voice Guides**: Check for more comprehensive voice prompts and responses.

• **Quick Launch**: Check to skip the confirmation.

• **Voice Active Mode**: Check to assign Voice Assist to ⓑ and automatically start Voice Assist on device boot up.

   After changing the **Voice Active Mode** check box and pressing the **Save** soft key, you will be asked to confirm your change as the device will need to be rebooted.

   Once **Voice Active Mode** mode is started, you can use ⓑ to launch the Voice Assist application.

   To undo the assignment of ⓑ to Voice Assist, uncheck **Voice Active Mode**.

- **Sensitivity**: Adjust the sensitivity in which your Smartphone recoginise the current voice and noise. Change the setting if your Smartphone has difficulty recognising a name, application, or command.

▪▪ Time Manager

Time Manager enables you to view the current time and date in another part of the world. You can also set an alarm and/or a wake up call for a specific time.

To open Time Manager, on the Home screen, press the **Start** soft key and select **More** → **More** → **Utilities** → **Time Manager**.

Viewing world clock

The world map enables you to check the time and date in many cities all over the world. On the Time Manager screen, press the **World Clock** soft key.

On the World Clock screen, the dark area is currently in the night time and the light area is in the daytime. On the bottom, the time and date for the selected city display.

Press the Left or Right scroll key to move the time zone line. While viewing the clock, press the **Menu** soft key. The following options are available:

• **Assign to**: Allows you to assign a clock of a city you want to each three time zone.

• **Daylight saving**: Allows you to apply daylight savings to your time setting.

• **Change view**: Allows you to change the clock type to be displayed on the Time Manager. Depending on your choice, the cities assigned to each time zone display on the Time Manager screen.

• **Go alarm**: Opens the Alarm screen.

Setting an alarm

You can use the travel alarm clock by setting a wake up alarm or set an alarm to remind you of an appointment. On the Time Manager screen, press the **Alarm** soft key.

To set a wake up call:

1. On the Alarm screen, press the **Menu** soft key and select **Wake-up**.

2. Enter a time for the wake up call to ring from the **Wake-up time** field.

3. Select a repeating option from the **Occurs** field. If you select **None**, the alarm is deactivated.

4. Select a time interval to resume the alarm after the alarm is stopped from the **Snooze** field.

5. Select a melody for the alarm from the **Sound** field.

6. Press the **Done** soft key.

   The Alarm indicator 🔔 displays on the bottom right corner of the Time Manager screen.

To set a alarm:

1. On the Alarm screen, press the **Menu** soft key and select **Reminder**.

2. On the Reminder screen, press the **Menu** soft key and select **New**.

3. Enter a subject for the alarm setting.

4. Select a date and time for the alarm to ring from the **Date & Time** field.

5. Select a repeating option from the **Reminder** field.

6. Select a time interval to resume the alarm after the alarm is stopped from the **Snooze** field.

7. Select a melody for the alarm from the **Sound** field.

8. Press the **Done** soft key twice.

   The reminder you set displays on the Reminder screen. You can also the reminder on the Reminder field of the Alarm screen. The Alarm indicator 🔔 displays on the bottom right corner of the Time Manager screen.

When the time for an alarm comes, use either of the two soft keys to stop the alarm:

- Press the **Dismiss** soft key.
- Press the **Snooze** soft key or any key to stop the alarm for a specific time, after which it will resume. You can do this a maximum of 5 times.

▦ Document Viewer

Document Viewer is a revolutionary product for document browsing on thin-client computing platforms. It allows you to view content on your Smartphone without any file-conversion or loss of content. Simply by using the Navigation keys, you can scroll your document sideways or vertically to view larger pages on a smaller screen and zoom in or out to view intricate details or overviews.

To view a document, you must transfer documents from a PC. If you have installed the memory card, you can view the files stored in it.

By default, **Document Viewer** supports most common desktop document formats, such as .doc, .xls, .ppt, .pdf, .mhtml, and .wmf.

On the Home screen, press the **Start** soft key and select
More → **More** → **Utilities** → **Document Viewer**.

Viewing a document

1. On the Picsel Viewer screen, you can see the folders
   or documents stored in the phone's memory or the
   storage card. The folders, which contain further
   documents, are shown in yellow.

Documents look like sheets of paper in various other
colours, depending on their type as follows:

Adobe PDF: , Microsoft World: , Microsoft Power
Point: , Microsoft Excel: , Plain Text: .

2. Select the folder or document you want to view using
   the Navigation keys and press ◯.

3. If you selected a folder icon, you will be shown the
   contents of that folder. You can also view the name of
   the current folders path location at the top of the
   screen.

If you selected a document icon, it will be opened in Document Viewer.

Options in a document view

You can use the following options while you are viewing a document.

- **Rotating**: To rotate the screen in 90 degrees counterclockwise, press the **Menu** soft key and select **Page** → **Rotate**.

- **Zooming**: To zoom in or out, press ◯ until the icon 🔍 is being displayed in the bottom right of the screen. Press the Navigation keys to zoom in or out a document.

- **Fitting to width**: To fit the width of the page on screen, press the **Menu** soft key and select **Page** → **Fit to width**.

- **Panning**: To pan to a different part of the document, press ◯ until the 🖑 icon is being displayed in the bottom right of the screen. Press the Navigation keys to move to the direction you want.

- **Navigating**: To navigate the pages, press the **Menu** soft key and select **Page** → **Next Page**, **Previous Page**, **First Page**, or **Last Page**.

- To hide or display the mode icons, press the **Hide Mode** or **Show Mode** soft key.

Keypad shortcuts

In a document view, you can use the following keys:

- ⑴ : navigates to the previous page.
- ⑵ : pans up.

- ▣: navigates to the next page.
- ▣: pans left.
- ▣: rotates the screen.
- ▣: pans right.
- ▣: navigates to the first page.
- ▣: pans down.
- ▣: navigates to the last page.
- ▣: zoom in.
- ▣: zooms out.
- ▣: fits to the width of the page.

Viewing History

The history view shows you previously visited documents as a small thumbnail-image of the document, and the document's name, location, and the date of your visit.

To open the history view, press the **Menu** soft key and select **History**.

To return to any of the documents from the history view, select the small picture of that page by pressing the Up or Down scroll key to highlight the thumbnail that grows to indicate that you have selected it and then press ◯.

Note: Documents will remain on the history list until a certain number of days have passed. You can control this period in the **Preferences** option. See page xx.

Viewing Favourites

For your favourite document, you can keep a list in the favourites view. This looks similar to the history view but includes only those pages you have explicitly added. Before viewing the favourites, first you must add the pages to the favourites. To open the favourites view, press the **Menu** soft key and select **Favourites**.

To add the current page to the favourites, press the **Add**/**Delete** soft key and select **Add** and enter the name you want and then press the **OK** soft key.

To return to one of favourites, select the small picture of the page as described on page xx for the history view by pressing the Up or Down scroll key. To delete one of your favourites, press the **Add**/**Delete** soft key and select **Delete**.

Changing Viewer Settings

On the Picsel Viewer screen, press the **Menu** soft key and select **Settings**. Then select the option you want. The following options are available:

• **Preferences**: Set the period after which the thumbnail pictures and descriptions of pages are purged from the history memory. To clear the History list, select **Clear History**.

• **Files**: Select the file types which can be displayed on the Document Viewer screen. Select **All** to select all files in the list.

• **Help**: Shows the online Help screen for Document Viewer.

• **About**: Shows information about the developers of Document Viewer.

▦ **File Manager**

The **File Manager** application allows you to open an explorer window similar to a desktop Windows based system. The explorer window allows you to navigate through your Smartphone to locate desired folders and files.

You can also quickly manage, delete, copy, or edit any files and folders on your Smartphone. You can create new folders.

To open File Manager:

1. On the Home screen, press the **Start** soft key.

2. Select **More** → **More** → **Utilities** → **File Manager**.

You can see a list of the folders in the phone memory or the storage card (if inserted).

3. If you want to see the number of sub folders and items and the total sizes of the folder, select the folder and press the **Edit** soft key and select **Selection Item**. The information displays on the bottom of the File Manager screen.

4. Scroll to the folder that you want to view and press ⬤.

5. To open an item, select it.

   To quickly delete, rename, copy, or move an item, press the **Edit** soft key and select **Copy**, **Delete**, **Rename**, or etc from the pop-up menu list.

   To create a new folder, send an item via the infrared or a Bluetooth connection, add an item to the favourites, or view the memory status, press the **Menu** soft key and select the option you want.

You can view the applications currently open. On the File Manager screen, press the **Menu** soft key and select **Task Cleaner**. Using **Task Cleaner**, you can quickly access one of the applications currently open and close one or all applications by pressing the **Menu** soft key.

▪▪ SIM Manager

The SIM Manager application enables you to view the contact list stored on the SIM card and to copy the contact(s) from the SIM card to the contact list on your Smartphone. You can also create a new contact in the SIM card, edit, and delete the contact.

Viewing SIM contacts

You can view the contact list, including the name and location number of contacts.

1. On the Home screen, press the **Start** soft key.

2. Select **More** → **More** → **Utilities** → **SIM Manager**.

3. The contact list displays on the SIM Manager screen.

4. To create a new entry, press the **New** soft key.

   To register the phone number and name on the SIM card as the own number, press the **Menu** soft key and select **Own Number**.

   To view the amount of the contacts, SMS messages, and CB messages stored on the SIM card, press the **Menu** soft key and select **Memory Status**.

   To refresh the SIM contacts, press the **Menu** soft key and select **Refresh**.

Copying a contact from the SIM card to the Contacts application

You can copy a contact or all contacts stored on the SIM card to the Contacts application.

1. On the SIM Manager screen, select the check box next to the contact name you want to copy to your Smartphone.

   If you want to copy all contacts, press the **Menu** soft key and select **Check** → **Check All**.

2. Press the **Menu** soft key and select **SIM Tool** → **Copy to Contacts**.

3. On the Copy to Contacts screen, press the **Copy** soft key.

4. Press the **OK** soft key.

5. To verify that your contacts have been copied to your Smartphone, go to Contacts and search for the added contacts.

Using the SIM Manager options

On the SIM Manager screen, press the **Menu** soft key and select **SIM Tool**. You can edit and delete a selected or all numbers in the SIM, dial a selected number, send the SMS message using a selected number, and copy a selected number to Contacts.

Using the SMS Tool options

On the SIM Manager screen, press the **Menu** soft key and select **SMS Tool**. You can view a list of the sender's phone numbers for the received SMS messages stored on the SIM card.

On the SIM SMS Tool screen, press the **Menu** soft key to move the SMS message from SIM to phone or vice versa, and view and delete a selected SMS message.

Press the **Change** soft key to switch a list of the messages from the SIM to the phone memory or vice versa.

▪▪ Modem link
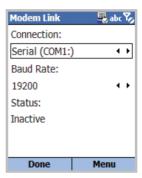
Using **Modem Link**, you can use your Smartphone as an external modem for another device or computer. If you select Modem Link, the USB path will switch to Modem Link.

To activate the Modem Link:

1. Connect your Smartphone to the device with which you want to use your Smartphone as a modem.

2. On the Home screen, press the **Start** soft key.

3. Select **More** → **More** → **Accessories** → **Modem Link**.

4. When you first access this application, the warning message displays. Press the **OK** soft key.

5. On the Modem Link screen, select the type of connection and baud rate.

Modem Link	📇 abc 📶
Connection:	
Serial (COM1:)	‹ ›
Baud Rate:	
19200	‹ ›
Status:	
Inactive	
Done	**Menu**

6. To activate Modem Link, press the **Menu** soft key and select **Activate**.

7. Press the **Done** soft key.

Task Cleaner

Task Cleaner lists all the tasks or applications currently running on your Smartphone. You can then easily switch to and activate any currently running task, terminate any tasks, and refresh the list.

To open Task Cleaner:

On the Home screen, press the **Start** soft key and select **More** → **More** → **Utilities** → **Task Cleaner**. The operating tasks or applications display on the Task Cleaner scrren.

Activating applications

You can activate the selected application or task.

1. On the Task Cleaner screen, scroll to the application you want to use.

2. Press the **Menu** soft key and select **Activate**.

Closing applications

You can close the selected application or all of the listed applications.

1. On the Task Cleaner screen, scroll to the application you want to use.

2. Press the **Menu** soft key and select **Close**.

   If you want to close all applications, press the **Menu** soft key and select **Close All**.

Refreshing the application list

You can update the list of currently running applications or tasks. On the Task Cleaner screen, press the **Menu** soft key and select **Refresh**.

Getting connected

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

• Use the infrared (IR) port on your device to send and receive files between two devices.

• Exchange information between devices with Bluetooth capabilities without a physical connection.

• Connect to your Internet service provider (ISP) or the network at your company. Once connected, you can send and receive e-mail and instant messages, browse the Internet or intranet, and synchronise information using ActiveSync.

• Connect to your desktop computer to synchronise remotely. Once connected, you can synchronise information such as your Pocket Outlook data. For details on ActiveSync, see Chapter 4 "Synchronising information."

▪▪ Beaming using infrared connections

Your Smartphone can send and receive files to and from other IR devices. In most cases, you can also receive files from your PC when it is equipped with an IR port. The two devices must be aimed at each other approximately four inches apart.

If you have difficulty getting the two devices to send or receive data, try the following:

• Transfer only one file at a time. No more than 25 contacts should be transferred at once.

• Make sure that the IR port windows are clear and free of any dirt or obstructions and that there are no obstacles between the IR port windows.

• Adjust the room lighting or move to another location. Some types of lighting may interfere with transmission.

By default your phone detects incoming IR transmissions and prompts you to accept them. If you do not want your device to receive data, take the following steps:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Beam**.

3. Clear the **Receive incoming beams** check box.

4. Press the **Done** soft key.

Receiving data

1. Make sure that the **Receive incoming beams** check box is selected.

2. Align the IR port on your Smartphone with the IR port on another device.

3. Have the other device send the data to your Smartphone. Your Smartphone will automatically receive the data.

4. When prompted to receive an incoming data, press the **Yes** soft key.

Sending data

1. Locate the item you want to send, such as an appointment in **Calendar**, a contact in **Contacts**, or a file in **File Manager**.

2. Scroll to the item.

3. Press the **Menu** soft key and select **Beam** followed by the type of item, such as Contact or Appointment.

   If you send an item in **File Manager**, press the **Menu** soft key and select **Send by infrared**.

4. Align the IR port on your Smartphone with the IR port on the device.

5. Press the **Beam** soft key to send the item.
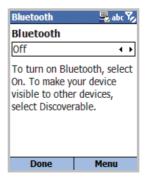
■■ Beaming with Bluetooth

Bluetooth is a short-range wireless communications technology. Devices with Bluetooth capabilities can exchange data over a distance of about 10 meters (30 feet) without requiring a physical connection.

Unlike infrared, you don't need to line up the Smartphone with another device to beam information with Bluetooth.

Selecting Bluetooth mode

To select the operating mode:

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Bluetooth**.

3. On the Bluetooth screen, select the operating mode you want in the **Bluetooth** field.

You can use the following operating mode:

- **On**: The Bluetooth radio is turned on and you can use Bluetooth features.

- **Off**: The Bluetooth radio is turned off. You can neither send nor receive data by using Bluetooth.

- **Discoverable**: The Bluetooth radio is turned on, and all of the other Bluetooth devices within range (about 10 meters) can detect your device and attempt to beam data to it, establish a bond, or use a Bluetooth service.

4. Press the **Done** soft key.

Searching for and pairing a Bluetooth device

1. On the Bluetooth screen, press the **Menu** soft key and select **Devices**.

2. To search for a new device, press the **Menu** soft key and select **New**.

   If you want to stop searching, press the **Cancel** soft key.

3. Scroll to a device and press the **Select** key to connect to the paired device.

4. Enter the passkey and press the **Done** soft key.

5. Enter a display name for the device and press the **Done** soft key.

6. Press the **OK** soft key.

Using the device options

When you press the **Menu** soft key on the Devices screen, you can access the following options from the device list:

New: allows you to search for any devices.

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 headset. You can converse with other person on the phone without having to hold the phone to your ear during a call.

Receiving data with Bluetooth

1. Make sure that the **Receive incoming beams** check box is selected. To check it, press the **Start** soft key and select **Settings** → **More** → **Beam**.

2. Make sure that your Smartphone is within 10 meters (about 30 feet) of the device beaming the information and that Bluetooth is in **Discoverable** mode.

3. When prompted to receive an incoming data, press the **Yes** soft key.

Sending data with Bluetooth

1. Locate the item you want to send, such as an appointment in **Calendar**, a contact in **Contacts**, or a file in **File Manager**.

2. Scroll to the item.

3. Press the **Menu** soft key and select **Beam via Bluetooth**.

   If you send an item in File Manager, press the **Menu** soft key and select **Send Bluetooth**.

4. Select the device from the list to which you want to send the beam.

   The item is sent to the device you selected.

Note: If the device to which you want to send does not appear on the list, make sure that it is turned on, in the **Discoverable** mode, and within 10 meters (30 feet) of your phone. Also, make sure that your Bluetooth radio is turned on.

■■ Connecting to the Internet or your network

You can use **Data Connections** settings to create dial-up, Virtual Private Network (VPN), GPRS, and proxy connections so that you can connect to the Internet or your corporate network. By using a data connection, you can browse the Web, download e-mail, chat by using MSN® Messenger, 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.

Working with dial-up connections

You can create a dial-up connection to connect remotely to the Internet, a Wireless Application Protocol (WAP) network, or your corporate network. Then, when you open a program that is configured to use this connection, the Smartphone uses it to automatically connect to the network.

Creating a dial-up connection

1. On the **Home** screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Data Connections**.

Data Connections
Internet connection:
Automatic ◀ ▶
Work connection:
Automatic ◀ ▶
WAP connection:
Automatic ◀ ▶
Secure WAP connection:
Automatic ◀ ▶
Done   Menu

3. Press the **Menu** soft key and select **Edit Connections** → **Dial Up Connections**.

4. Press the **Menu** soft key and select **Add**.

5. Enter the requested information.

   • **Description**: Enter a name for the connection.
   • **Connects to**: Select the network.
   • **Phone number**: Enter the phone number you use to dial the network.
   • **User name**: Enter your network user name.
   • **Password**: Enter your password.
   • **Domain**: Enter the domain name, if required.

Note: If you are not sure about the information to enter, ask your network administrator.

> **Tip**: If you subscribe to General Packet Radio Service (GPRS), you can set up a GPRS connection to access your corporate network or the Internet, which is faster than a dial-up connection. For details, see "Working with GPRS connections."

6. When finished, press the **Done** soft key.

To edit a dial-up connection, on the Dial Up Connections screen, scroll to the connection you want to edit, press the **Menu** soft key, and then select **Edit**.

To delete a dial-up connection, on the Dial Up Connections sereen, scroll to the connection you want to delete, press the **Menu** soft key, and then select **Delete**.

Working with VPN connections

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.

Creating a VPN connection

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Data Connections**.

3. Press the **Menu** soft key and select **Edit Connections** → **VPN Connections**.

4. Press the **Menu** soft key and select **Add**.

5. 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 **My Corporate Network**).

- **User name**: Enter your user name for the VPN.

- **Password**: Enter your password.

- **Domain**: Enter the domain name, if required.

- If you selected **IPSec**/**L2TP** in **VPN type**, In **IPSec authentication**, select the type of authentication: **Pre**-**Shared Key** or **Certificate**.

- If you selected **Pre**-**Shared Key** in **IPSec authentication**, in **IPSec Pre-shared key**, enter the key.

6. When finished, press the **Done** soft key.

Note: If you are not sure about the information to enter, ask your network administrator.

To edit a VPN connection, on the VPN Connections screen, scroll to the connection you want to edit, press the **Menu** soft key, and then select **Edit**.

To delete a VPN connection, on the VPN Connections screen, scroll to the connection you want to delete, press the **Menu** soft key, and then select **Delete**.

Working with proxy connections

You can use a proxy connection to gain access to the Internet over an existing connection to your corporate network.

Creating proxy connection

1. On the **Home** screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Data Connections**.

3. Press the **Menu** soft key and select **Edit Connections** → **Proxy Connections**.

4. Press the **Menu** soft key and select **Add**.

5. 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: *server name:port number*.
   • **Type**: Select the type of proxy connection to create.
   • **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 network administrator.

To edit a proxy connection, on the Proxy Connections screen, scroll to the connection you want to edit, press the **Menu** soft key, and then select **Edit**.

To delete a proxy connection, on the Proxy Connections screen, scroll to the connection you want to delete, press the **Menu** soft key, and then select **Delete**.

Working with GPRS connections

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. This is faster than a dial-up connection.

You can also use your Smartphone as a GPRS modem for a desktop computer. To do so, follow the instructions in "Creating GPRS connection," "Connecting to the Internet with a GPRS connection," and "Creating a new connection on your desktop computer."

Creating a GPRS connection

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Data Connections**.

3. Press the **Menu** soft key and select **Edit Connections** → **GPRS Connections**.

4. Press the **Menu** soft key and select **Add**.

5. Enter the requested information.

- **Description**: Enter a name for the connection.
- **Connects to**: Select the type of network to which you will connect.
- **Access point**: Enter the information provided by your system administrator.
- **User name**: Enter your user name for the GPRS network.
- **Password**: Enter your password.
- **Primary DNS**: Enter the primary domain naming system (DNS) address, as provided by your network administrator.
- **Secondary DNS**: Enter the secondary DNS address, as provided by your system administrator.
- **IP address**: Enter the Internet Protocol (IP) address, as provided by your system administrator.

When you open a program that connects to the Internet, the Smartphone uses this connection.

Note: If you are not sure about the information to enter, ask your network administrator.

To edit a GPRS connection, on the GPRS Connections screen, scroll to the connection you want to edit, press the **Menu** soft key, and then select **Edit**.

To delete a GPRS connection, on the GPRS Connections screen, scroll to the connection you want to delete, press the **Menu** soft key, and then select **Delete**.

Connecting to the Internet with a GPRS connection

1. On the Data Connections screen, scroll to the **Internet connection** filed and select the GPRS you want to use.

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

Tip: After you use the GPRS connection once, you may want to change your **Internet connection** back to **Automatic**.

Creating a new connection on your desktop computer

1. Follow the instructions on your desktop computer.

2. Ensure that the area code and prefix fields are disabled, and enter ***99**# when prompted for a phone number.

Adding a URL exception

Some URLs 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. Otherwise, the pages will not display.

Note: You do not need to create URL exceptions for Internet URLs

Adding a URL exception

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Data Connections**.

3. Press the **Menu** soft key and select **Work URL Exceptions**.

4. Press the **Menu** soft key and select **Add**.

5. In **URL Pattern**, enter the URL and press the **Done** soft key. Separate multiple URLs with a semicolon.

To edit a URL exception, on the Work URL Exceptions screen scroll to the URL you want to edit, press the **Menu** soft key, and then select **Edit**.

To delete a URL exception, on the Work URL Exceptions screen, scroll to the URL you want to delete, press the **Menu** soft key, and then select **Delete**.

Changing connection settings

You can set various connection settings.

1. On the Home screen, press the **Start** soft key.

2. Select **Settings** → **More** → **Data Connections**.

3. On the Data Connections screen, press the **Menu** soft key and select **Options**.

   The following options are available:

   • **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 your Smartphone waits for connecting to the Internet or your network after the specified period, your phone will disconnect from the Internet or your network.

   • **My desktop connects to**: Select the type of network to which your desktop computer will connect.

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

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards that were developed by independent scientific organizations through periodic and through evaluation of scientific studies.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless phones employs a unit of measurement known as Specific Absorption Rate (SAR). The SAR limit recommended by the FCC is 1.6W/kg.[*]

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[*] In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions specified 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 of the phone.

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 limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID printed in the label on the phone.

For Body Operation

To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 1.5 cm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories

that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

For more Information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC)
http://www.fcc.gov

Cellular Telecommunications Industry Association (CTIA):
http://www.wow-com.com

U.S.Food and Drug Administration (FDA)
http://www.fda.gov/cdrh/consumer

World Health Organization (WHO)
http://www.who.int/peh-emf/en

Precautions When Using Batteries

● 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, the type of battery and the charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (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 used batteries in accordance with local regulations. Always recycle. Do not dispose batteries in a fire.

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:

- 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.

- When available, use a hands-free device. If possible, add an extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.

- 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.

- 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.

- Do not take notes or look up phone numbers while driving. Jotting down a To Do list or flipping through your phonebook takes your attention away from your primary responsibility, driving safely.

- 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.

- Do not engage in stressful or emotional conversations that may be distracting. Make the people to whom you are talking aware that you are driving and suspend conversations that have the potential to divert your attention from the road.
- Use your wireless phone to call for help. Dial the emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
- Use your wireless phone to help others in emergencies. If you see a car accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.
- 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 any other special non-emergency wireless number.

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).

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. 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 the areas 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 the <Send> key.

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 be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

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 phones 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.

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's.

- 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.
- 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.

Acknowledging Special Precautions and the FCC and Industry Canada Notice

Cautions

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information

This device complies with Part 15 of 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.

Information to User

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.

Appendix A: CERTIFICATION INFORMATION (SAR)

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on safety standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg. 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 limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations(e.g., at the ear and worn on the body) as required by the FCC for each model.

The highest SAR values of this model phone as reported to FCC are Head: 1.18W/kg, Body-worn: 0.355W/kg in GSM 1900.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID A3LSGHI270.

In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a substantial ma gin of safety to give additional protection for the public and to account for any variations in measurements.

Appendix B: Guide to Safe and Responsible Wireless Phone Use

Cellular Telecommunications & Internet Association

"Safety is the most important call you will ever make."

A Guide to Safe and Responsible Wireless Phone Use

TENS OF MILLIONS OF PEOPLE IN THE U.S. TODAY TAKE ADVANTAGE OF THE UNIQUE COMBINATION OF CONVENIENCE, SAFETY AND VALUE DELIVERED BY THE WIRELESS TELEPHONE. QUITE SIMPLY, THE WIRELESS PHONE GIVES PEOPLE THE POWERFUL ABILITY TO COMMUNICATE BY VOICE-ALMOST ANYWHERE, ANYTIME-WITH THE BOSS, WITH A CLIENT, WITH THE KIDS, WITH EMERGENCY PERSONNEL OR EVEN WITH THE POLICE. EACH YEAR, AMERICANS MAKE BILLIONS OF CALLS FROM THEIR WIRELESS PHONES, AND THE NUMBERS ARE RAPIDLY GROWING.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense-keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit. It means using seat belts and requiring other passengers to do the same.

But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need. When it comes to the use of wireless phones, safety is your most important call.

Wireless Phone "Safety Tips"

Below are safety tips to follow while driving and using a wireless phone which should be easy to remember:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.

2. When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.

3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.

4. Suspend conversations during hazardous driving conditions or situations. 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 and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to do" list while driving a car, you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip-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. Stressful or emotional conversations and driving do not mix-they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations-with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!

9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. 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 wireless non emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. 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 wireless number.

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted educational outreach to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

"The wireless industry reminds you to use your phone safely when driving."

Cellular Telecommunications & Internet Association For more information, please call 1-888-901-SAFE.
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Appendix C: Consumer Update on Wireless Phones

U.S. Food and Drug Administration

1. 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.

2. 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.

3. 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.

4. 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 the 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.

5. 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.

6. 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.

7. 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.

8. 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.

9. 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 hearing aids for interference from handheld 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.

10. 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 the 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, gioma, 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 phone 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.

11. 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 10 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.

12. Which other federal agencies have responsibilities related to potential RF health effects?

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-slc.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

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