

Discover your Phone



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user guide and the product described. The device is meant to be connected to the GSM/GPRS network.

How to...

Switch the phone On/Off

Long press 

Enter PIN code

Enter the PIN code using the keypad and press  OK.

Lock the keypad

The keypad will be locked automatically when the flip is closed (whether or not the keys on the phone's flip will also be locked shall depend on the settings you have made). When the flip of the phone is opened, the keypad will be unlocked automatically, while the keys on the phone's flip will be locked.

Make a call

Enter the phone number using the keypad and press 

Answer a call	When the phone rings, press  .
End a call	Press  .
Mute the phone	When the phone rings, long press  .
Reject a call	When the phone rings, press  .
Adjust conversation volume	During a call, press ▲ or ▼.
Access main menu	Press  in idle mode.
Access phonebook	Press ▼ in idle mode.
Using the <i>Phonebook</i>	Press ▲ or ▼ to browse the phonebook entries and press  to call the selected contact in the phonebook.
Access <i>Dialled calls list</i>	Press  in idle mode.
Access MP3 player	Press  <i>MP3</i> in idle mode.
Activate Lady's planner	Press  <i>Lady's planner</i> in idle mode.

Return to previous menu level	Press  <i>Exit</i> when browsing the menu or in editing mode.
Quickly return to idle mode when browsing the menu	Press  .
Access the menu functions	Press  and press ▲, ▼, ◀ or ▶ to select a menu, then press  to enter the sub-menu. Repeat this operation until you reached your desired menu.

Soft keys

The left and right soft keys ( and ) are located at the top of keypad area. Pressing the soft keys allows you to select the option displayed on the screen directly above them, including options during a call. The functions of the soft keys change according to the current context.

Main menu

You can access the different features of your Philips 588 phone from the main menu. The following table summarises the structure of the *Main menu*, what the icons represent and the page number on which you can obtain more information regarding the menu functions.

<i>Entertainment</i>  page 69	<i>WAP</i>  page 82	<i>Multimedia</i>  page 22
<i>Phonebook</i>  page 63	<i>Messages</i>  page 30	<i>My files</i>  page 57
<i>Tools</i>  page 70	<i>Call Settings</i>  page 50	<i>Phone Settings</i>  page 41

Press  in idle mode to access the main menu and press , ,  or  to navigate through the icons and lists, or press  -  keys, and  or  keys to access

the options and functions directly. When navigating through a list, the scrolling bar on the right of the screen will indicate your current position in the list. Press  *Select* or  to access the corresponding options of the selected item in the list. Press  *Exit* to return to the previous menu.

How to use this User Guide

This user guide strives to provide you with concise and complete information regarding your Philips 588 phone. It includes the following:

Discover your phone This user guide summarises the features of your phone and the information on the frequently-used features.

Chapter 1: Getting Started How to carry out installation, such as SIM card, batteries, etc.

Chapter 2: Call functions How to make and answer calls, as well as some frequently used call functions.

Chapter 3: Text Entry How to enter text using the alphanumeric keypad.

Chapters 4-16 Description of the main features of this phone.

Others

"Icons & Symbols", "Precautions",
"Troubleshooting", "Accessories" and
"Limited Warranty" information.

New Events

Some events may modify the idle screen (such as missed calls, new SMS, new MMS, etc). Whenever there is a new event, the phone will emit an audible alert (except for the reception of cell broadcast messages). You can press  **View** to display the missed calls list, enter the list of unread SMS or MMS, etc. Press  **Exit** to exit from the new events screen.

*At all times, you can only clear the new events from the idle screen by pressing  **Exit**.*

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I. Getting Started

Read the safety instructions in the «Precautions» section before use.

To use your phone, you must insert a valid SIM card supplied by your GSM operator or retailer. The SIM card contains your subscription information, your mobile number, and a memory in which you can store phone numbers and messages (see “Phonebook” page 63).

Insert SIM card

Remove back cover

1. Make sure that the phone is switched off. You need to remove the back cover of your phone before you can insert the SIM card.

Hold the phone with the front facing downwards as shown in the diagram and push the release catch located on the left side of the phone. The back cover will be detached from the phone. Remove the back cover from its slot.



Remove battery

2. Lift up the battery from the bottom using your finger and remove it from its slot.



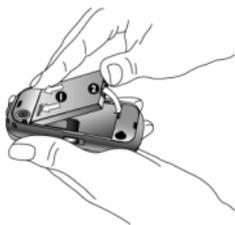
Install SIM card

3. Make sure the clipped corner of the SIM card is facing the correct direction and the metallic contacts facing downwards. Slide the SIM card into the card slot until it stops.



Install battery

4. With the metallic contacts facing downwards, press the battery down into its slot until it locks into place.



Replacing the back cover

5. Align and hook the back cover to the right side of the phone and press down the back cover until it locks into place with the left side of the phone.



When inserting the battery, be careful not to damage the metallic connectors of the SIM card slot.

6. Remove the protective film covering the screen before using the phone.

Switch on the phone

Long press  to switch on the phone. You may be required to enter the PIN code (which is the 4 - 8 digit security code of your SIM card). The PIN code is preconfigured and provided to you by your network operator or retailer. To change the PIN code, see “Change code” page 53.

If you enter a wrong PIN code 3 times in succession, your SIM card will be blocked. To unblock it, you must request the PUK code from your network operator.

Set date and time

When you switch on the phone for the first time, the time indicated on your phone is based on the factory default time setting. Hence, you need to enter the phone settings to reset the date and time of your phone. Set the date by pressing the corresponding numeric keys on the keypad (press  **Clear** to erase a number). Then, proceed to set the time in the same way.

For more information regarding date and time settings, please see “Clock settings” page 42.

Charging the battery

Your phone comes with a standard battery. The phone will emit an audible alert when the battery reaches low. When the battery is completely flat, the charging icon will appear after a few minutes of charging.

We recommend that you do not remove the battery when the phone is switched on as you may lose all your personal settings as a result. If you do remove it, the date and time settings are only memorized for a short while. As such, you need to reset the information after you have installed the battery back again.



1. Once the battery and back cover is attached to the phone, plug the charger connector (supplied with the phone, in the box) into the charging socket at the base of the phone (arrow side up), and plug the other end of the charger to an easily accessible AC power socket.
2. The battery icon indicates the state of charge: When charging, the 4 charge indicator bars change constantly and it normally takes around 2.5* hours to fully recharge the battery (when charging with the phone switched off, the screen will display a charging animation).
3. When all 4 bars are steady, the battery is fully charged and you can disconnect the charger. Depending on the network and usage conditions, the maximum talk time of a fully-charged standard battery goes from 2 to 5 hrs*, while the maximum stand-by time is about 300 hrs*.

**The data was derived from a test conducted at our France laboratory when the battery is fully-charged for the first time. Depending on the network conditions, user settings, method of use, etc the actual results may differ.*

Keeping the charger plugged to the mobile phone when the battery is fully charged will not damage the battery. The only way to turn off the charger is to unplug it, so it is advisable to use an easily accessible AC power socket.

If you do not intend to use your phone for several days, we recommend that you remove the battery.

You can use the phone while it is charging (note that the vibra alert goes off when the charger is connected). If the battery is completely flat, the battery icon will only reappear after a few minutes of charging.

2. Call functions

Switch on the phone

Normally, you can long press  to switch on the phone.

You may set a security code (PIN code) on your phone to protect it from unauthorised use. When you have set a security code, you will be prompted to enter the corresponding security code when you switched on the phone.

1. Enter the PIN code. For security reasons, the screen will display “*” to represent the numbers you have entered. If you have entered the wrong number, press  *Clear* to clear it.
2. Press  *OK*. The phone will validate the PIN code and commence network registration.
3. Once a network name is displayed on the screen, you are ready to make or answer a call. If there is no network name on the screen, you need to re-register.

If you enter a wrong PIN code 3 times in succession, your SIM card will be blocked. To unblock it, you must request the PUK code from your operator. If you enter a wrong PUK code 10 times in succession, your SIM card will be permanently blocked and cannot be

used anymore. If this happens, please contact your network operator.

Switch off the phone

At all times, you can long press  to switch off the phone.

Make a call

You can make a call only when the network name appears on the screen.

1. Enter the phone number.
2. Press  to dial the number; or press  *Options* to enter options menu, then select *Dial > Handsfree dial*.

Options during a call

During a call, you can press  *Options* to carry out the following operations:

- Mute/Unmute the call
- Put the call on hold
- Send SMS
- Access Phonebook
- Activate/Deactivate handsfree

- Record phone conversation (which includes 3 sub-options: *Record both*, *Record opposite party* and *Record own*)
- Stop recording (If recording is in progress, select *Stop recording* to stop and the recorded voice will be saved automatically).
- End the current call

Mute or unmute a call

During a call, press  *Options* and select *Mute* or *Unmute*. If you select *Mute*, the microphone will be deactivated.

When you switch from one call to another, muting will be cancelled.

Adjust speaker/earpiece volume

During a call, call on hold or call waiting, you can press  or  to increase or decrease the volume (if you are not browsing the call options menu).

When the volume has been set, the call volume will take effect immediately and the settings will be applied to your subsequent calls.

Call recording

During a call, press  *Options* and select *Record* to access the 3 recording options; namely, *Record both* (default), *Record opposite party* and *Record own* (applicable to two-party calls or multi-party calls).

Once you have selected the recording option, the option will be used as the default for subsequent call recordings. The selected recording option will be indicated with a tick.

During a call, you can also press  to *Start/Stop* the recording.

When you start recording, a recording icon will appear on the screen. When you end the call, the recording will stop and saved automatically in AMR format under *My Files > Sounds*.

There is no limit to the length of the recording; the recording will stop only when you press  key, when there is insufficient memory, or when the call has ended.

End a call

Press  *End* or  to end a call.

Make an international call

1. Long press  until "+" appears on the screen.
2. Enter the country code.
3. Enter the area code (normally without the 0 in front), followed by the phone number.
4. Press  to call directly; or press  **Options** to enter options menu and select **Call** or **Call Handsfree**.

Make a second call (Network dependent)

You can make a second call by putting the current call on hold:

1. During a call with Party A, you can enter Party's B number using the keypad.
2. Press  or press  **Options**, then select **Call** to dial Party B's number. Party A will be put on hold automatically.

Switch calls (Network dependent)

When you have one active call and one call on hold, you can press  **Options**, then select **Switch** to switch between the 2 calls.

Call Handsfree

During a call, press  **Options** and select **On/Off handsfree**.

When the headset is plugged into the phone, you cannot activate handsfree mode.

Answer a call

Press  **Answer** or press  to answer a call.

Reject a call

Press  **Reject** or press  to reject a call.

Answer a second call (Network dependent)

If you have activated **Call waiting**, you will be alerted when there is a second incoming call. You can:

1. Press  to answer the second call. The current call will be put on hold automatically.
2. Press  to reject the second call and continue with your current call.

3. When there is one active call and one call on hold, you can press  **Options** to carry out the following operations:

Options	Description
Unhold	Change the status of the call on hold to active.
Hold	Change the status of the active call to call on hold.
Switch	Switch between the active call and call on hold.

If you press the numeric keys,  or , the notepad editor will opened under call waiting mode.

Fotocall

This feature allows you to link a contact in your phonebook to a photo you have taken using the Camera function, or a picture you have downloaded via WAP or data cable. During a call, if the other party's name card is linked to a picture, the incoming call background will display the corresponding picture. This feature is referred to as "Fotocall".

Fotocall is only available on the phone memory. The photo size should not be larger than 128 x 160 pixels.

Operations of the headset

The following operations are applicable to headsets with only one key.

1. When you enter a phone number in idle mode, short press the headset key will dial the number. To stop dialling, long press the headset key.
2. During a call, short press the headset key to record or stop recording; long press to hang up the phone.
3. When there is an incoming call, press the headset key to answer the call; long press to reject the call.

Alarm Power On

When the phone is switched off when the alarm time has reached, the phone will switch on automatically, the alarm will sound and the alarm clock screen will be displayed. When the alarm time is up, the alarm will go off and the phone will switch off automatically; the alarm will also go off when you press any key to stop it.

Festivals and Anniversary reminder

You can add "Festival" and "Anniversary" events in the organizer menu.

If you have added such events in the organizer, the phone will remind you when the day arrives.

3. Text or number entry

The input methods described in this chapter do not apply to E-mail functions.

Input method

Your mobile phone supports seven input methods including:

- T9 Pinyin: Enter chinese characters with T9 Pinyin;
 - T9 Traditional Chinese Zhuyin: Enter Traditional Chinese characters with T9 Zhuyin;
 - T9 Stroke: Enter Chinese characters with T9 wubi and stroke components;
 - T9 Traditional Chinese stroke: Enter Traditional Chinese characters with Wubi or stroke components;
 - T9 English (T9eng/T9Eng): Enter English text using T9 English;
 - Multi-Tap (abc/ABC): Press the keys that are marked with the corresponding letter you wish to enter. Press once to get the first letter on the key, press twice quickly to get the second letter and so on until the letter you want is displayed on the screen.
 - 123: Enter numbers
- This phone supports T9 Simplified Chinese association input method as well.

*Notes: During text editing, you can press  to switch input mode; the status bar at the bottom of the screen will display your current input mode. 『拼』 represents Simplified Chinese Pinyin input mode; 『笔』 represents Simplified Chinese stroke input mode; 『ㄅㄆㄇ』 represents Traditional Chinese BoPoMo input mode; 『筆』 represents Traditional Chinese stroke input mode; 『en』 represents T9 English input mode; 『abc』 represents English alphabets input mode; 『123』 represents numeric input mode. In addition, you can press  to input punctuations.

The text editor remembers the last input method you have used before you exit the editing screen. When you access the editor again, it will automatically select the last input method you have used.

Entering texts and numbers

You can input text in the editor using 6 input methods: T9 English input, English alphabets, Pinyin, Zhuyin, Simplified Chinese Stroke or Traditional Chinese Stroke. In addition, there are two input methods for you to enter numbers and punctuations. The icon displayed on the screen shows the current input method. You can press  to switch from one mode to another. Long press is

required under Zhuyin mode. Long press  to enter punctuations or press  to switch case.

In numeric input mode, long press  to enter ". ".

Entering symbols and emotion icons

In any input mode, press  to open/close symbols input screen. Press the corresponding number on the left of the symbol to input it and then return to the original input mode. If the symbols occupy more than one screen, press  to scroll up/down the pages.

Shift case

Press  to shift case in the English input editor.

Delete

When there are contents in the input row, press  *Clear* to delete the rightmost character or symbol. The candidate area will be updated accordingly until the input row is cleared. Long press  *Clear* to clear the input row.

When the input row is empty, press  *Clear* will delete the character on the left of the cursor in the text area. If there are no characters on the left of the cursor, the character on the right will be deleted. Long press  *Clear* to clear the contents in the text area.

T9[®] English input

What is it?

T9[®] predictive Text Input is an intelligent editing mode for messages, which includes a comprehensive dictionary. It allows you to quickly enter text. You need to press only once on the key corresponding to each letter needed to spell a word: keystrokes input are analysed and the word suggested by T9[®] is displayed at the bottom of the screen. If there are several words, press  or  to browse the list and choose from those proposed by the T9[®] built-in dictionary (see example below). After you have input the word, press  or  to insert space.

How to use it?

Alphabets and symbols represented by each key are as follows:

- | | |
|--|---|
|  to  | To input letters. |
|  or  | To browse the last or next candidate word. |
|  <i>OK</i> | To confirm the letter or word. |
|  <i>Clear</i> | Short press to clear a letter, long press to clear all entries. |
|  | Shift case. |



Select input mode.

Active/deactivate punctuation mode.

Example: How to enter the word "Home"

1. Press , the screen display the first word on the list: *Good*.
2. Press to browse and select *Home*.
3. Press *OK* to confirm *Home*.

Basic text input

If you wish to use basic text input mode, press to select "ABC" basic text input. This method requires multiple key presses to reach the desired character: the letter "h" is the second letter on the key, so you must press twice to enter "h". Using this mode requires you to press a key as many times as is equal to the order of the letter.

To enter the word «Home» in basic text input mode, you should therefore key , (*GH*) , , (*MNO*), (*MNO*), , (*DEF*).

Letters, numbers and symbols are located on each key as follows:

Key	Letters and numbers
	Space 1
	a b c 2 à ä å æ ç
	d e f 3 é è Δ Φ
	g h i 4 Γ ì
	j k l 5 Λ
	m n o 6 ñ ò ö ø
	p q r s 7 β Π Θ Σ
	t u v 8 ù ü
	w x y z 9 Ω Ξ Ψ
	Shift case
	Switch text input mode
	Input symbol

Pinyin Input

Press  and select Pinyin input mode. Each Pinyin letter is represented by one of the numeric keys as shown below: (Note that Pinyin input mode is solely meant for the input of Simplified Chinese characters. You cannot input Traditional Chinese characters).

 1	 ABC	 DEF
 GHI	 JKL	 MNO
 PQRS	 TUV	 WXYZ *
 Mode T9		 Punctuation

The general steps of using Pinyin input method are as follows:

1. Enter Pinyin letters  to 
 **Clear** to clear
2. Select Pinyin combination ◀ or ▶
3. Confirm Pinyin combination ☹
4. Select from candidate list ◀ or ▶ / ▲ or ▼
(scroll list)
5. Confirm selection ☹
6. Select and enter association character, or return to step 1 to enter new words.
7. Or press  **Exit** to exit from association character input mode, then press ☹ to complete the editing.

Enter the pinyin letters accordingly. Press once on the key corresponding to the pinyin letter without having to consider its position on the key. Pinyin input method will automatically select and list all possible combinations for you to select.

For example, to input the character 『王』, with the Pinyin letters 『wang』, press  and use  to select the desired pinyin combination for 『wang』, then press  to confirm combination. After that, you may press a number key to enter the intonation of the character (1-1 tone, 2-2 tone, 3-3 tone, 4-4 tone, 5- silent tone) to narrow down the candidate characters selection range. Then press  to select the desired character 『王』 and press  to confirm the input of this character.

As soon as you have selected and entered a character, the candidate list will be updated and a list of association characters will be displayed. Press  or  to select the desired association character and press  to confirm entry. This speeds up the input process further.

When you have finished editing a name on the phonebook or SMS, press  *Exit* to exit from association character input mode and press  to confirm completion of the editing process.

Zhuyin Input

T9 Traditional Chinese Zhuyin

Input

Press once on the key corresponding to the Zhuyin character without having to consider its position on the key. All the possible Zhuyin combinations will be listed on the input row.

Characters located on each key  -  are as follows:

Key



Characters

ㄅㄆㄇ

When the zhuyin combination appears on the input row, press to move the selection box over the zhuyin combination and press to enter character selection mode.

Selection

Press to move the selection box left or right, and press to scroll list. When the selection box is on the desired character, press to confirm the input and go into association input mode.

Association

The input area is empty and the candidate area display a list of association characters. Press the navigation keys to select an association character, or press a number key to input a new zhuyin combination.

Stroke input

Press to select stroke input mode. The strokes are represented on each key as follows:

	— Horizontal	
/ Left-falling	Vertical	\ Right-falling
	↘ Over-down	? Special
Mode T9	↗	Punctuation

The basic steps of Stroke input are as follows:

1. Enter strokes to (excluding 3 and 7) Clear to clear.
2. Select from candidate list or or or (scroll list)
3. Confirm selection
4. Select and enter association character, or return to step 1 to enter new strokes.
5. Or press Exit to exit from association character input mode, then press to complete the editing.

The principle of stroke input is to dissect and separate every stroke of a chinese character according to sequence. When you wish to input the character, press the keys corresponding to the required strokes according to sequence to get the desired character. The stroke input method in this phone classify a

chinese character into 5 basic strokes: (horizontal, vertical, left falling stroke, right falling stroke and over-down) as well as a special stroke. When the stroke you need does not correspond to the 5 basic strokes, replace it with the special stroke.

The examples below will give you a clearer understanding of how to use stroke input method:

1. 木: - + | + / + \
2. 田: | + ↗ + - + | + -
+ ▶
3. 加: ? + / + | + ↗ + -
4. 凉: \ + ? + \ + - + | +
 ↗ + - + ? + / + \
5. 陈: ? + | + - + ? + ? +
 / + \ + ▶ + (repeat ▶ 4 times)

Generally, you will be able to find a desired character before you finished entering all the strokes. After you have entered the name of the phonebook or SMS, press  Exit to exit from association character list and press  to confirm completion of text editing.

The input mode for Traditional chinese stroke and Simplified Chinese stroke are similar, with the exception of the character coding.

4. Multimedia



Digital camera

Your mobile phone features a digital camera that allows you to take pictures (up to 1.3 Mega pixels) and record short videos. You can even store the pictures or short videos in your phone, use them as wallpaper or send them to your friends.

Ensure the camera lens is clean before you take pictures, as dust and dirt can strongly affect the picture quality.

How to take photos

1. In idle mode, press to enter the main menu.
2. Select [Multimedia](#) > [Camera](#) to enter preview mode.
3. Press / to adjust your focus and press to take the picture. The picture will be saved automatically on the phone with a default file name. The picture will remain on the screen for 2 seconds before returning to preview mode whereby you can continue to take pictures.
4. The pictures will be saved and sorted in chronological order in [My Files](#) > [Photos](#).

Settings

Quick options bar

Before you start to take photos, you can set the mode, photo size, effects and other parameters via the quick options menu. From preview mode, press or to activate the options in the quick options bar. After you have selected an option, press or to set the value of the selected option. To close the quick options bar, press [Exit](#).

Options	Description
Mode	Select from: Single , Continuous and Self-timer (Continuous shot is only available when the picture resolution is lower than 480x640).
Picture Resolution	Adjust from five image sizes: 128X88 (fotocall), 128X160, 480X640 (default), 768X1024 and 1280X1024.
Quality	Select from three image qualities: Super fine , Fine (default) and Normal .

Effect Select from: *Nature* (default), *Warm*, *Cool*, *Fog*, *Classical*, *Moon*, *Brown*, *Gray* and *Negative*. The selected color will take effect immediately and the preview screen will be refreshed with the selected color effect.

The settings in this option will be saved until you change it again.

Environment Select from: *Auto* (default), *Night*, *Sunny*, *Cloudy*, *Fluorescent* and *Tungsten*. The selected environment will take effect immediately and the preview screen will be refreshed with the selected environment.

The settings in this option will be saved until you change it again.

Exposure Select from: *3*, *2*, *1*, *0* (default), *-1*, *-2*, *-3*.

Frame Add frame to the picture. This option is available only when the picture resolution is 128x160.

Options menu

In preview mode, press  to display the list of options:

Options	Description
<i>Photos</i>	Access <i>My Files</i> > <i>Photos</i> . The camera will be closed automatically when you enter <i>Photos</i> .
<i>Continuous settings (only available in picture resolution less than 640 x 480)</i>	Available only when the mode is <i>Continuous</i> . Select from: <i>Shoot number</i> (2, 3, 4, 5, 6, 7, 8) and <i>Shoot interval between 10 to 60 (0.3 seconds, 0.6 seconds, 0.9 seconds, 2 seconds, 3 seconds, 4 seconds)</i> . Press ◀ or ▶ to select a value.
<i>Shutter sound</i>	Select from different shutter sounds.
<i>Video recorder</i>	Switch to video recorder mode.

When the photo folder is full, a warning message will pop-up.

Video Recorder

Your phone features a video recorder, which allows you to record video clips of different resolution, quality and effects.

This option allows you to record, play and save short videos in your phone, or send them to your friends via MMS or email.

The resolution of the video is 128 x 96 and the format is H263 or MPEG4. The video sound is in AMR format and the file extension is 3GP.

How to record video

1. In idle mode, press  to enter the main menu.
2. Select [Multimedia](#) > [Video recorder](#) to enter video recorder preview mode (only when the last used feature is Video Recorder).
3. If the current mode is Camera mode, press  to access options menu and select [Video Recorder](#).

The icon on the top left of the screen indicates the current mode.

4. In preview mode, press  once to start video recording, press  to stop recording.

When recording, the REC symbol on the screen indicates that video recording is in progress. The screen will also show the time lapse of the current video recording. When you end the recording, the symbol and time information will disappear from the screen.

5. When you have finished recording, the video will be saved automatically and the screen will return to preview mode. You can continue to record the next video.

Once saved, the videos are available in chronological order in [My Files](#) > [Videos](#).

Settings

Quick options bar

Before you start to record videos, you can customise the size of the video, effects and other parameters via the quick options menu. From preview mode, press  or  to activate the options in the quick options bar. After you have selected an option, press  or  to set the value of the selected option. To close the quick options bar, press .

Options

Description

Color effect

Select from: *Nature* (default), *Warm*, *Cool*, *Fog*, *Classical*, *Moon*, *Brown*, *Gray* and *Negative*. The selected color will take effect immediately and the preview screen will be refreshed with the selected color effect.

The settings in this option will be saved until you change it again.

Environment

Select from: *Auto* (default), *Night*, *Sunny*, *Cloudy*, *Fluorescent* and *Tungsten*. The selected environment will take effect immediately and the preview screen will be refreshed with the selected environment.

The settings in this option will be saved until you change it again.

Movie format

Select the file format of your recorded video. Select either *Mpeg4* (Default) or *H263*.

Record sound

Select whether or not to record sound: *No sound*, *Record sound* (Default).

Options menu

In preview mode, before you start video recording, you can press  *Options* to display the options menu. The available options include:

Options

Description

MMS size

Select *On* or *Off* (Default). When you select *On*, the recorded video will be smaller than the maximum MMS size you have set in the MMS settings. When reaching the maximum MMS size, the recording will stop automatically and saved.

Videos

Access *My Files > Videos*. The video recorder will be closed automatically when you enter *Videos* folder.

Camera

Switch to camera mode.

When the video folder is full, a warning message will pop-up.

From any menu, you can press  to cancel the current operation and return to idle mode.

MP3 player

Press  **MP3** in idle mode to access directly to the MP3 player. When you access MP3 player for the first time, all the MP3 songs will start playing by default. If this is not the first time you are using the MP3 function, it will play the last played MP3 song before you exit the player.

When playing MP3 songs, a track will appear on the screen to indicate the playback progress. The screen will also display the total duration of the song, the time lapse and the play volume.

The keypad operations during MP3 playback are as follows:

Key	Operation
⏮ key	Short press to Start/Pause/resume MP3 playback. Long press to stop playback.
◀ or ▶	Short press to select the previous song/next song. Long press to fast rewind/fast forward.
▲ or ▼	Adjust volume. Once you have set the volume, the settings will be saved until the next time you adjust it again.



Options

Open options menu.



Stop

Stop playback.



Back

Return to previous menu.

MP3 Options Menu

Press  **Options** to display the options menu to carry out the following operations:

Options

Description

Play mode

Select from: *Normal play* (Default) or *Shuffle*. The selected mode will be indicated with a circle on its right. The mode you have set will be saved until the next time you change it again.

Repeat

Select from: *No repeat* (Default), *Repeat current track* (applicable to the track currently playing or track being highlighted in the playlist) and *Repeat all*. The selected mode will be indicated with a tick on its right. The mode you have set will be saved until the next time you change it again.

Play control

Select from: *Play*, *Pause*, *Stop*, *Previous*, *Next*.

Select song

Select from: *Play all* (Default), *Play List*. The selected mode will be indicated with a tick on its right. The mode you have set will be saved until the next time you change it again.

If you select *Play all* then all the MP3 songs in your phone will appear in the MP3 playlist.

If you select *Play List*, you will enter the next screen whereby all the MP3 files will be displayed.

Press ▲ or ▼ to select a file and press  *Select/Cancel* selection, then press ⊙ to save and return to MP3 play screen. Press  *Back* to return to previous screen.

Flip exit

Select: *On* or *Off* (default). If you select *On*, once you close the flip, you will exit from the MP3 player.

Delete

Delete the song you have selected. You will be asked to confirm before deletion. Press ⊙ or  *OK* to delete, press  *Cancel* to cancel deletion.

Rename

Rename the MP3 file. Enter the new name and press ⊙ or  *OK* to rename; press  *Clear* to cancel rename.

Set as ringer

Set the selected MP3 song as a ring tone.

Detail

Display detailed information about the selected file, such as filename, size and length.

Send

Select to *Send by MMS* or *Send by Infrared*.

Using the MP3 control keys on the flip

Whether or not the MP3 will stop playing when you close the flip of the phone during MP3 playback depends on your settings in *Flip exit* option.

When the flip of the phone is closed, whether or not the keys on the flip can be operated depends on your setting as well.



When the flip is closed, the operations of the external keys are as follows:

Key	Operation
	Long press to Start/Stop MP3 playback. Short press to Pause/ Resume MP3 playback. Press to enter MP3 menu in idle mode.
◀ or ▶	Long press to go backward/fast forward of the track. Short press to go to the previous file / next file.
▲ or ▼	Adjust volume.

When the MP3 player is in Pause mode, the power consumption is almost the same as when the MP3 is played. Hence, the MP3 player will be stopped automatically after 2 minutes.

Sound Recorder

This menu allows you to record a sound clip. After recording, you can save the recorded sound as a ringtone, or send the recorded sound via email.

How to record sound

1. In idle mode, press  to enter the main menu.
2. Select [Multimedia](#) > [Sound Recorder](#).
3. Press  to start/pause recording.
4. Long press  to end recording.

Key	Operations
 Resume/ Pause	Resume recording / pause recording.
 Stop	Stop and save the recording. The recording will be saved under the default file name in My Files > Audio Album .

5. You can also press *Options* to carry out the following operations:



Options

Provides the following:

New episode: Record new sound.

MMS size: You can choose to *On* or *Off* (Default) this option. If you select *On*, the size of the recorded sound will be smaller than the maximum size limit of the MMS. The recording will stop automatically when the recorded sound reaches the maximum size limit.

5. Messages



SMS

SMS enables you to send text messages to the other party, which is a convenient and affordable mode of communication. You can use the SMS menu to send messages to another handphone or a device that is capable of receiving SMS.

Your phone can store up to 1000 messages. Once you have reached 1000 messages, the screen will flash a SMS icon to alert you. You need to delete some messages in order to receive new ones.

1. In idle mode, press \odot to enter the main menu.
2. Select *Messages* > *SMS* and press \odot . Or press \blacktriangleright in idle mode to enter SMS menu directly.

Write message

You need to enter the correct message centre number before you can send SMS. The number can be obtained from your network operator.

1. In idle mode, press \odot to enter the main menu.
2. Select *Messages* > *SMS* > *Write message* and press \odot . The SMS editing screen will appear.

3. Enter the phone number of the recipient in the text box right after *To* or press \odot or $\left[\right]$ *Options* > *Contacts* to access phonebook list, or *Options* > *Groups* to manage multiple recipients' contact list.
4. Press $\blacktriangleleft/\blacktriangleright$ to select a number from the list and press $\left[\right]$ *Select* to select/cancel. Then press \odot to save the selection and return to SMS edition screen.
5. After you have entered the recipient, press \blacktriangledown to enter SMS editor.
6. Enter the SMS content in the SMS editor and press \odot or $\left[\right]$ *Options* to carry out the following operations:

Send now

Send the SMS without saving it in the Sent box. If the SMS is sent successfully, the screen will return to the previous menu; if it is not sent successfully, it will return to the message editing screen.

Send & save

Send and save your SMS. If the SMS is sent successfully, it will be saved in the Sent folder and return to the previous menu; if it is not sent successfully, it will return to the message editing screen.

Save	Save the SMS.
Save as user defined	Save the SMS as user defined for use in the future.
Add Icon	Open the icon list, select an icon and insert it at the end of the SMS.
Insert defined SMS	This menu allows you to Add , Insert , Modify , Delete your self-defined SMS, which can be categorised as "User define", "Emergency", "Information", "Questions", "Appointment" and "Greetings". It allows you to insert the self-defined SMS at the cursor position.

If your SMS is not sent successfully, you can resend it. If your SMS cannot be sent successfully after several attempts, please check if your SMS centre number has been set correctly.

When editing SMS, for certain reasons (such as an incoming call, out of battery), you are forced to exit from the SMS editing screen before you managed to send or save your message successfully, the edited message will be saved automatically. The next time you enter the SMS editor, the message will be displayed on the screen.

Inbox

The Inbox stores the SMS you have received.

1. In idle mode, press  to enter the main menu.
2. Select **Messages** > **SMS** > **Inbox** and press .
3. If there are messages in the Inbox, they will be listed on the screen in the order they were received (the most recent message will appear at the top of the list).
4. Press / to select a message. When a message is selected, its contents will be displayed on the screen.
5. Press  **Options** and select **Delete** or **Delete all**. If you select **Delete**, the selected message will be deleted; if you select **Delete all**, all the messages in the Inbox will be cleared.
6. Select a message in the Inbox and press  to enter the next screen whereby the message details will be displayed. Press  **Options** to carry out the following operations:

Reply

The sender's number will be used as the destination number automatically and the SMS editor will be activated. Enter your reply and send the message.

Forward

When you select **Forward**, the contents of the selected message will appear in the SMS editor. You may edit the message before sending.

Delete Delete the message from the Inbox.

Dial Extract the sender's number from the message and dial the number.

Save number If the sender's number is not stored in the phonebook, this option will appear. You need to enter the name and select the location in which the number will be stored (SIM phonebook or phone).

Save number from text If the message contains a number string of 5 or more numbers, this option will appear. When you select this menu, the screen will display the number strings containing 5 or more numbers (maximum 10 number strings). Press ▲/▼ to select a number string, then press  **Options** and select **Save**. The screen will return to the number string list after saving.

Move to phone If the SMS is stored on the SIM card, this option will appear.

Outbox

The **Outbox** allows you to save the messages you have sent successfully and which you have chosen to save before sending.

1. In idle mode, press  to enter the main menu.
2. Select **Messages** > **SMS** > **Outbox** and press .
3. If there are messages in the Sent box, they will be listed on the screen.
4. Press ▲/▼ to select a message. When a message is selected, its contents will be displayed on the screen.
5. Press  **Options** and select **Delete** or **Delete all**. If you select **Delete**, the selected message will be deleted; if you select **Delete all**, all the messages in the Sent box will be deleted.
6. Select a message in the Sent box and press  to enter the next screen whereby the details will be displayed. When you press  **Options**, you can carry out the following operations:

Send now Send the SMS to the recipient.

Forward When you select **Forward**, the contents of the selected message will appear on the SMS editor. You may edit the message before sending.

Delete Delete the message from the Sent box.

Unsent messages

The Unsent messages saves the messages not sent successfully, or messages you have chosen to save after editing.

1. In idle mode, press  to enter the main menu.
2. Select **Messages** > **SMS** > **Unsent messages** and press .
3. If there are messages in the Unsent messages, they will be listed on the screen.
4. Press / to select a message. When a message is selected, its contents will be displayed on the screen.
5. Press  **Options** and select **Delete** or **Delete all**. If you select **Delete**, the selected message will be deleted; if you select **Delete all**, all the messages in the Outbox will be deleted.
6. Select a message in the Outbox and press  to enter the next screen whereby the details will be displayed. When you press  **Options**, you can carry out the following operations:

Send now Send the SMS to the recipient.

Forward When you select **Forward**, the content of the selected message will appear on the SMS editor. You may edit the message before sending.

Delete Delete the message from the Outbox.

Settings

Service center number

This menu allows you to save and edit the SMS service center number of your home network. If the service center number is empty, you will not be able to send any SMS.

Validity period

Allows you to select the duration by which your messages will be stored in the service center. You can select from : **12 hours**, **1 day**, **1 week** and **Maximum** (default). Press / to select a value.

This option is useful when your recipient is not connected to the network and is not able to receive your messages immediately.

This feature is subscription dependent.

Status report

You can select  **On** or **Off**. This option allows you to set whether or not to notify you the send status of your messages: successfully sent to the recipient, or not sent successfully.

This feature is subscription dependent.

Reply path

You can select  **On** or **Off**. If set to **On**, when the recipient select **Reply**, the message will be sent using your service center and not his or her service center.

This feature is subscription dependent.

Signature

You can select  **On** or **Off** (Default is **Off**). If set to **On**, the signature will be added to the end of your message before it is sent to your recipient.

If the SMS is too long after adding the signature, the signature will be ignored.

Select memory

You can select the preferred storage location of your messages: **SIM card** (Default) or **Mobile phone**.

User define SMS

You can preset up to 10 frequently used messages. This menu allows you to send, add, modify and delete your preset messages.

1. In idle mode, press  to enter the main menu.
2. Select **Messages > SMS > User define SMS** and press .
3. Press  or  to select a message and press  to enter the next screen to edit the message.
4. Press  to save or press  **Clear/Exit** to clear the message or return to the previous menu.

Capacity

Allows you to check the total number of SMS, maximum number of SMS allowed, as well as usage percentage. It also allows to check the number of SMS in each message box.

Voice mail

You can forward your calls to your voice mailbox (the phone number for callers to leave a message) via the Call forwarding feature.

Call voice mail

When you receive a voice mail, the phone will send you an alert. You can then call your voice mailbox number to retrieve your voice mail.

In idle mode, long press  to call your voice mailbox directly. If the number is empty, you will be prompted to enter the number.

Voice mail number

Generally, you can obtain two sets of numbers from your network provider:

- number for the caller to leave a message (this number can also be used for Call Forwarding)
- number for you to retrieve your voice messages

Broadcast SMS

This is a network service which allows you to receive text messages of various contents, such as news, traffic, etc. These messages are provided by the network to the subscribers within a certain network area. If this service is available, the network will provide you with the broadcast channel numbers.

Reception

You can set the reception of broadcast messages **On** or **Off**. If you select **Off**, you will not receive any broadcast messages, even if you have set the corresponding channel numbers.

When you received a broadcast message, the message content will be displayed on the screen until you press  **Exit**. Broadcast messages will not be saved on your mobile phone or your SIM card. Once you exit from the message screen, you will not be able to read it again.

When you set this option to On, the stand-by time of your phone will be shortened.

Topics

You can add new channel numbers to the Topics list, so as to add new types broadcast messages which you can receive. The code is a number string containing not more than 3 digits.

MMS (network dependent)

Your phone allows you to send and receive multimedia messages, known as MMS, which features texts, pictures, sound and video clips. MMS can comprise one or several slides. Whether you send it to an e-mail address or to another mobile phone, the MMS will be played as a slide show.

Your phone can support 50 MMS (maximum 100KB). When the maximum of 50 MMS is reached, the screen will display a MMS icon to alert you. You will need to delete some old MMS in order to receive new ones.

1. In idle mode, press  to enter the main menu.
2. Select **Messages** > **MMS** and press .

Before you can send MMS, you need to enter the correct MMS Center number and ensure that the network profile of your MMS has been correctly configured. You can obtain such information from your network operator.

New MMS

1. In idle mode, press  to enter the main menu.
2. Select **Messages** > **MMS** > **New** and press  to open the MMS editor.
3. The cursor will first be positioned at the **Recipient** field. Enter the phone number of the recipient in

- the text box right after *Recipient*, or press  to select *Phonebook* to enter the phonebook list.
4. Press / to select a recipient from the phonebook list and press  to select or cancel selection.
 5. Once you have entered the recipient, press  to enter the subject field. You can enter a subject of not more than 26 characters.
 6. Press  or  *Options* to edit the MMS. The following options are available:

Previous page

This option is available when there are 2 or more pages in your MMS. This menu allows you to view the previous page.

Next page

This option is available when there are 2 or more pages in your MMS. This menu allows you to view the next page.

Send

Send MMS. If sent successfully, the MMS will not be saved. If not, the MMS will be saved in the Outbox.

*Add text/
Edit text*

Allows you to add/delete the MMS text. If the current MMS does not contain any text, *Add text* option will appear; if there are existing texts in your MMS, then *Edit text* will appear.

*Add picture/
Delete picture*

Open the pictures list for you to select and add pictures to your MMS. If there is an existing picture in your MMS, *Delete picture* option will appear.

*Add audio/
Delete audio*

Open the audio or MP3 folder for you to select an audio to be added to your MMS. If there is an existing audio in your MMS, *Delete audio* option will appear.

*Add video/
Delete video*

Open the video folder for you to select a video to be added to your MMS. If there is an exiting video in your MMS, *Delete video* option will appear.

Add slide

Allows you to create multi-page MMS.

Delete page

This option is available only when the MMS contains more than one slide. This option allows you to delete the selected slide.

Preview

Allows you to preview the current MMS.

CC:

Add a recipient to the CC list. A maximum of 8 recipients can be added to the cc list.

BCC	Add a recipient to the BCC list. A maximum of 8 recipients can be added to the bcc list.
Page timing	Set the delay time between each slide.
Message information	Check the MMS information such as Subject, Recipient, CC, BCC and Object.

When there is more than one page, you can press **◀/▶** to view the different pages of the MMS. At the same time, the title bar at the top of the screen will display the current page you are viewing and the total number of pages in your MMS.

Inbox

Lists all your notifications, send/receive reports and read report. You can read or delete notifications and reports, you can also view, forward, reply to the MMS, display the MMS content or delete the MMS, etc. An icon on the left of the MMS will indicate if the message has been read.

Enter the **Inbox**, and press **◀/▶** to select an MMS. Press  **Options** to carry out the following operations:

- | | |
|-------------------|--|
| View | View the selected MMS. |
| Reply | Reply to the sender. If the selected MMS has not been read, this option will not appear. |
| Reply all | If you select this option, the reply will be sent to all recipients including those in the CC list (if any). If the selected MMS has not been read, this option will not appear. |
| Forward | Forward the selected MMS. |
| Dial | Call the sender. |
| Delete | Delete the selected MMS. |
| Delete all | Delete all the MMS from Inbox. |
- Once you have selected an MMS, press  **View** or  to enter the next screen to read the MMS.
 - The screen will display basic information regarding the MMS, such as the Sender, Subject, etc.
 - Press  or  to enter the next screen whereby the MMS will be played. When playing the MMS, you can press  **Stop** to stop playing or wait until the MMS has finished playing.

4. After you have pressed  **Stop** to stop playing, you can press  **Options** to enter the options menu to carry out the following operations: **Play**, **Rewind**, **Previous page**, **Next page**, **Save image**, **Save audio** or **Close**.

Not all the above options will be available under every circumstances. For example, only when your MMS comprises a sound object will Save audio appear on the screen, or when the MMS comprised of more than one page, will Previous page and Next page option appear.

Outbox

The Outbox contains MMS that were not sent successfully.

Select a MMS from the Outbox and press  **Options** to : **View**, **Send**, **Delete** and **Delete all**. If you select **View**, the subsequent procedures would be similar to the Inbox operations.

Sent

List the MMS that were sent successfully and which you have chosen to save before sending.

Select a MMS from the Sent box and press  **Options** to: **View**, **Send**, **Delete** and **Delete all**. If you select **View**, the subsequent procedures would be similar to the Inbox operations.

Draft

List the MMS that were created and saved but were not sent, and MMS which were automatically saved before you were able to save or send them when you exit from the MMS editor.

Select a MMS from the Draft box and press  **Options** to: **View**, **Edit**, **Delete**, **Delete all**. If you select **View**, the subsequent procedures would be similar to the Inbox operations.

Settings

The **Settings** menu allows you to set your MMS center and personalize your MMS settings. The options include:

- Send and auto-save** Select whether or not to save the MMS automatically when you send it.
- MMSC** Allows you to enter or modify the MMS center number.
- Network** Allows you to carry out a series of network configuration, such as connection type, network account, gateway, user name, password, domain, port, etc to ensure that you are able to send/receive MMS correctly.

<i>Read report</i>	You can set this option <i>On</i> or <i>off</i> . When set to <i>On</i> , a report will be sent to notify you if the MMS has been read by the recipient.
<i>Validity period</i>	Allows you to select the duration by which your MMS will be stored in the MMS center. You can choose from 12 hours to maximum. This is very useful when the recipient is not connected to the network, and is not able to receive your MMS immediately.
<i>Priority</i>	This option allows you to set the priority level of your MMS. You can set <i>Low</i> , <i>Medium</i> or <i>High</i> .
<i>Page timing</i>	This menu allows you to set the time delay between each slide.
<i>Message retrieval</i>	This menu allows you to select <i>Immediate</i> or <i>Delayed</i> downloading of MMS messages when you are not in your home network.

Maximum message size (KB) Set the maximum MMS message size, default being 100KB. Once you have set the maximum message size, you will not be allowed to insert attachments which are larger than the specified size, neither can create or receive MMS messages that are larger than the specified size. If you have previously created and stored a MMS message which is larger than the size you have currently specified, the next time you edit the MMS message, you will be notified that the message is too big and you cannot edit it.

Capacity

This menu allows you to check the number of MMS stored, the memory utilised and the available space in each of the MMS message box.

Please note that the available MMS storage space may be reduced due to the presence of other documents such as pictures, videos, organizer and phonebook entries.

STK

The structure and name of the menu available is dependent on your SIM card which is configured by your network provider. The services will vary according to the different STK provider.

This menu provides a series of value-added services and the services available will vary according to the network operator. For details, please contact your network operator. Phones that support STK will have an additional STK menu. The menu contents are determined by your SIM card and you cannot modify them. The menu options may vary according to the type of STK and may be modified by the network operator.

E-mail

Your phone supports JAVA Email and you can send emails to your friends using the phone.

This menu allows you to compose and send emails. The email feature will be activated automatically when you enter the menu. When successfully activated, you can select an account. You can configure the account via [Accounts Define](#) or choose from the list of accounts and set it as the default email account. When you enter the mailbox list, you can view the Inbox, Draft, Sent items, or select  [Menu](#) to open the menu options to compose or receive emails, etc.

6. Phone Settings



Quick Settings

Quick Settings is a set of predefined settings which you can activate them quickly. Once activated, it will overwrite the current settings.

Your mobile phone has been preconfigured with the following six default modes: *Normal* (Default), *Silent*, *Meeting*, *Outdoors*, *Use in car* and *Flight*. Each mode has its default factory settings and you can only modify the settings for *Normal* mode. The other 5 modes can only be viewed, but cannot be modified.

1. In idle mode, press \odot to enter the main menu.
2. Select *Settings* > *Quick settings* > *Normal* > *Personalize*, and press \odot .
3. Your phone has been preconfigured with a set of default modes.
4. You can activate one of the modes or make your own settings.
5. If the Quick Settings you have modified is the one which is currently activated, the changes will take effect immediately.

You can modify the following settings:

- Alert type*
- Alarm alert type*
- Organizer alert type*
- SMS tone*
- Flip tone*
- Key tone*
- Connect alert*
- Battery alert*

Phone Settings

Language

This menu allows you to set the display language of your phone menu.

1. In idle mode, press \odot to enter the main menu.
2. Select *Settings* > *Phone settings* > *Languages*, and press \odot .
3. Press \blacktriangle or \blacktriangledown to select a language and press \odot to confirm.

Note that for some applications and menu, the language change will take effect only after you have switched off and switch on your phone.

Clock settings

You can set the date and time.

1. In idle mode, press  to enter the main menu.
2. Select **Settings** > **Phone settings** > **Date and time**, and press .
3. Press  or  to move to date and time fields.
4. After you have entered the date and time, press  or  **OK** to effect the change.

Shortcuts

You can set a shortcut key, for example, link a feature to a numeric key or navigation key. You can also modify or delete a shortcut key

1. In idle mode, press  to enter the main menu.
2. Select **Settings** > **Phone settings** > **Shortcuts** and press .
3. When you enter **Shortcuts** menu, you will see a list of numbers for which you can set a shortcut key. You can set  -  keys and the four navigation keys as shortcut keys (navigation keys can be set for: long press/short press). If no shortcut has been defined for the key, the screen will display **Empty**.
4. Press  or  to select a key and press  or  **OK**.

5. The screen will display a list of functions which you can select for quick access via the shortcut key. Select a function you wish to link to the shortcut key and press  or  **OK** to save the current setting.

Short cut keys can only be used in idle mode. If the use of your phone is restricted, shortcut keys will not work.

Short cut keys , , ,  have been preset and you cannot modify or delete them.



Long press to enter "+" (cannot be modified).



To lock/unlock the MP3 keys on the phone's flip (cannot be modified).



To switch between the current mode and Meeting mode. If you are not in Meeting mode, long press this key will switch to Meeting mode. If you are currently in Meeting mode, long press this key will close the Meeting mode and revert to Normal mode.

The factory default settings of the shortcut keys are as follows:

-  **Voicemail centre** (cannot be modified)
-  **Alarm clock**
-  **Infrared On/Off**
-  **Organizer**
-  **Calculator**
-  **Voice Recording**
-  **Call filter**
-  **Inbox**
-  **Java**

Auto On/Off

Your phone supports Auto On/Off feature. You can turn this feature **On** or **Off**.

- In idle mode, press  to enter the main menu.
- Select **Settings** > **Phone settings** > **Auto On/Off**, and press .
- Select **Auto on** > **On**, the cursor will be positioned at the **Auto on time** field.
- Select **Auto off** > **On**, the cursor will be positioned at the **Auto off time** field.

- Select **Auto on** > **Off** and **Auto off** > **Off** to deactivate this feature.
- Press  to save and exit or press  **Back** to exit without saving.

Security Settings

PIN code

You can turn PIN protection feature **On** or **Off**. If you turn this feature on, you will be required to enter the PIN code when you switch on your phone. Without a correct PIN code, you will not be able to use any feature which requires the use of your SIM card. You need to enter the PIN code to turn this feature **On** or **Off**.

Change PIN code

You can modify the PIN code via this menu.

- In idle mode, press  to enter the main menu.
- Select **Settings** > **Phone settings** > **Security Settings** > **Change PIN** and press .
- Enter the old PIN code and confirm.
- Enter the new PIN code and confirm.
- Enter the new PIN code again and confirm. You will be notified whether the PIN change is successful.

Factory Default

Allows you to reset your phone to factory default settings.

Screen Settings

Idle screen

Idle screen type

You can select your idle screen display, such as a [Digital Clock](#), [Analog Clock](#), [Month View](#) or [World Clock](#).

Contracted idle screen

This option is only available for Digital Clock idle screen display. Select [On](#) to show time or [Off](#) to show time, date and week info.

Wallpaper

You can set the wallpaper of your idle screen. You can choose among three types of wallpaper as follows: (These wallpaper are only available for Digital Clock idle screen display).

[Embedded pictures](#) The static background picture preset on your phone.

[Own pictures](#) Pictures you have received or downloaded from MMS, InfraRed, WAP or USB, and the pictures you have taken using the camera.

If your wallpaper picture is in gif format, your phone will not be able to recognize the picture when it is connected with a USB cable. Instead, the default phone picture will appear. You will be able to view

your picture again when you remove the USB cable from your phone.

Color theme

You can set the colour theme of your mobile phone display. There are three types of color themes available for your selection:

1. Enter [Color theme](#) menu and press $\blacktriangle/\blacktriangledown$ to select a color theme.
2. Press \odot to confirm the selection of this color theme. The selected color theme will be indicated with a circle on its right.

Brightness

You can select from five brightness level and press $\blacktriangle/\blacktriangledown$ to select the level of brightness. Your selected brightness level will take immediate effect. You can then press \odot or  [OK](#) to save your settings.

Backlight

You can set the backlight duration to 10 seconds, 30 seconds or 60 seconds.

Welcome text

When you select this menu, the text editor will be activated. You can edit the text greetings to be displayed after the power on animation when you switch on your phone. The maximum length of the text greetings is 20 Chinese characters or 40 English alphabets.

Ringer Settings

You can change the default ringtone of your incoming calls by selecting a new ringtone from the ringtone list. There are six caller groups in your phonebook. You can assign different ringtones to each of the caller group so that you will know who is calling you when your phone rings.

1. In idle mode, press \odot to enter the main menu.
2. Select **Settings** > **Ringer settings** > **Incoming call ringer** and press \odot .
3. Press \odot to select the caller group you want to assign ringer, and then to select **Standard sounds** or **Own sounds**, all the available ringtones will be displayed.
4. Press $\blacktriangle/\blacktriangledown$ to switch between call group, ringer type and ringer list.

When browsing ringer list, the selected ringer will be played after a certain time delay at the current volume setting. (if the phone is set to mute, the ringtone will be played at a low volume level).

Alarm tone

You can set the alarm tone, alarm type and volume of the alarm.

When the phone is switched off, the personalized alarm tone will be changed to the default alarm tone.

SMS alert ringer

You can set the SMS alert tone.

Switch tone

You can select whether the phone will emit an alert tone when you switch it on or off. You can turn this option **On** or **Off**. Default setting is **Off**.

Ringer volume

There are 3 volume levels. The phone can also support progressive ring volume (a progressive ring volume icon will be displayed at the top of the ring volume indication). Once you have selected a ring volume, the volume will be applied to all the caller group ringers.

Alarm volume

There are 3 volume levels. The phone can also support progressive ring volume (a progressive ring volume icon will be displayed at the top of the ring volume indication). Once you have selected a ring volume, the volume will be applied to all the alarm groups.

Connectivity

Network settings

The network name will be displayed on the idle screen. If the phone is not able to identify the network name, it will display the country code and the network code of the unknown network.

Preferred Network

Preferred network list is stored in the SIM card. It specifies the priority by which the phone will register to the available network during automatic registration.

1. In idle mode, press  to enter the main menu.
2. Select *Settings* > *Connectivity* > *Network settings* > *Preferred network* and press .

Show list

1. Press  or  *OK* to enter the preferred network list.
2. The most preferred network will be at the top of the list.
3. Press / to select a certain network and press  or  *Select*.
4. The screen will display *PLMN moved* and the selected network will be moved to the top of the preferred network list. This means it is the most preferred network.

Delete list

Displays a list of preferred networks. You can select a network from the list and press  or  *Delete* to delete the network from the preferred network list.

Available networks

1. Press  or  *OK* to enter the menu.

2. The phone will start searching for available networks. The list of networks will be displayed on the screen.
3. Select a network from the list and press  or  *Add* to add the network to the bottom of the preferred network list.

Add existing networks

1. Press  or  *OK* to enter the menu.
2. The screen will display a list of existing networks. Select a network from the list and press  or  *Add* to add the network to the bottom of the preferred network list.

Add network code

1. Press  or  *OK* to enter the menu.
2. The editor will be activated for you to enter the country code and network code of the mobile network.
3. After you have entered the codes, press  or  *OK* to add the network to the bottom of the preferred network list.

Attach GPRS

This option allows you to set the GPRS attach mode: *Always attached* or *Attached during PDP session*.

Register again

1. If you select this menu, the phone will start to search for available networks and the list of available networks will be displayed on the screen.
2. Press **▲** / **▼** to select a network and press **Ⓜ** or **☑** **Register** to start registering to the selected network. If registration to the selected network fails, the phone will display *PLMN not allowed* and will register to the home network automatically.

Network account

You can set up to 5 network accounts. You can activate and use one of the network account. You can also modify the network account settings.

The settings for each network account are as follows:

Account name

To set the account name.

Bearer

There are 2 methods to access WAP: traditional GSM or GPRS. You can specify your settings here:

GPRS only Connect via GPRS only.

GSM only Connect via GSM only.

GSM settings

You can set the following:

Data call type

ISDN (Digital) or analog.

Phone number

Enter the phone number for dialling. The phone will call this number automatically when it goes into online mode.

User name

The user name for logging on to WAP server.

User password

Password required for log on.

GPRS settings

You can set the following:

APN setting

Set the name of the access point.

User name

The user name for logging on to WAP server.

User password

Password required for log on.

Infrared

Your mobile phone features infrared technology (also called IrDA), that allows you to send or receive data to and from other IrDA-compliant devices through a wireless link (e.g., another mobile phone, a PC or PDA, a printer etc.). You can use IrDA to quickly send a picture or voice recording to your friend's mobile phone, or receive pictures from their PDA.

Files that are copyright-protected cannot be sent. When connecting with a PC, make sure you have activated its infrared option.

Device positioning

Before sending or receiving data to and from another device, they must be correctly positioned relative to your mobile phone. Make sure that the respective IrDA ports are facing each other and are a maximum of 50 cm away from each other. Also make sure that nothing obstructs the IrDA beam.

Sending data

To send data via IrDA from your mobile phone, you must first select the item to be sent: for each category (picture, ringtone, etc), a sub-menu then gives you access to the [Send](#) option.

As soon as your phone finds another IrDA-compliant device to communicate with, the sending automatically takes place. Messages are displayed on the screen for you to follow the process.

If the phone finds several IrDA devices, a list is displayed on the screen for you to make a selection. Press \odot to confirm and send the selected data.

The sending will be cancelled if your phone is unable to detect the other device within a certain time limit, if the infrared link is broken, or if you cancel the process.

Receive data

Activate IrDA

To receive data, select [Infrared](#) > [Receive](#). Your mobile phone is then ready to receive an item and waits for the other IrDA device to send it. When sending, messages are displayed on the screen to allow you to follow the procedures.

The receiving will be cancelled if your phone is unable to detect the other device within a certain time limit, if the infrared link is broken, the size of the file sent is too large for your phone, or if you cancel the process.

Saving the received data

Press \odot to enter the following options:

- | | |
|-----------------------|---|
| Save | The received data will be saved using a default filename. You can rename the data file via the corresponding menu option. |
| View | Display details of the received data (play music or display picture). |
| Abort | Delete the received data, press \odot to confirm deletion. |

Using the phone as a modem

You can also use your mobile phone as a modem. Activate the IrDA data communication feature and link it with a PC or PDA. Your PC or PDA will be able to detect an external IrDA modem and you will be able to start using it. For example, establish a dial-up connection (the number must be supplied your network operator), carry our data synchronization with your PC (requires software tool), etc.

USB charger

You can charge your phone battery via the USB cable. Make sure that you phone is on before you start to charge the battery. If the data cable is already plugged in to the computer, you have to disconnect and plug in the data cable again before activating this function.

PC Tools

This menu allows you to select *On/Off* (Default) to activate/deactivate the PC Tools function. When you select *On*, you can use the internal memory of the phone as mass storage and activate the PC tools function. Make sure that you have installed the USB driver before you can use these functions. If you did not install the USB driver before, you will find "*Please restart the mobile phone to enable this function*" when you have finished installing. If you select *Off*, the phone internal memory can still be used a mass storage but you may not be able to use the PC Tools function.

When the phone is connected with usb cable, the vibration alert will not work.

7 • Call Settings



There are seven sub-menus in the Calls menu including, *Outgoing Calls*, *Answered Calls*, *Missed Calls*, *Delete*, *Calls Settings*, *Call meters* and *Call filter* to help you manage your call cost.

Call lists

This menu provides you with a call list consisting the records of your outgoing calls, missed calls and answered calls.

The lists contain: *Missed calls*, *Answered calls* and *Outgoing calls*. Select a call type to display records of that particular call type. The Missed calls, Answered calls and Outgoing calls list are sorted in chronological order, with the most recent call appearing at the top of the list.

Your phone is able to record up to 20 different phone numbers for each type of call record. Each number can record up to 5 most recent call time and date information.

1. Enter the call list and select a phone number from the list. Short press to call the number directly.
2. Press or **OK** to view the time details of the selected phone number. Press or key to go to previous or next record.
3. Press **Options** to carry out the following operations:

<i>Dial</i>	You can select <i>Dial</i> or <i>Handsfree dial</i> .
<i>Send SMS</i>	Open the SMS editor and send a message to the selected phone number.
<i>Edit number before dial</i>	The predial screen will be opened. The selected phone number will be displayed on the screen. You can edit the number and press to dial the number, or press Options to select dial, send SMS or save the number.
<i>Send phone number</i>	Open the SMS editor and send the phone number to another party via SMS.
<i>Delete</i>	Delete the selected number.
<i>Check number</i>	Check the selected number
<i>Save</i>	Save the selected number.

Call settings

Call forward (network dependent)

You can forward all your incoming calls to another phone number (or voice mailbox) when it is not convenient for you to answer a call. You can use this menu to set forwarding conditions. This feature is network dependent.

Unconditional

Unconditional call forwarding option will forward all your calls from the network to an assigned phone number.

If busy

This option will forward your incoming calls to an assigned phone number when your phone line is busy.

If no reply

This option will forward your incoming calls to an assigned phone number when you did not answer your calls.

If unreachable

This option will forward your incoming calls to an assigned phone number when the network is unable to reach your phone.

Cancel

The 4 call forwarding options (as above) will be displayed as a list when you enter the menu. Select an option and confirm it, the phone will send a request to the network and cancel the call forwarding option.

Status

This menu allows you to check the current status of the 4 call forwarding options.

Note: The call forwarding soft icon will be displayed on your screen when you activate this feature.

Call waiting (network dependent)

GSM call

Once call waiting has been activated, your phone will display a call waiting screen when there is a second incoming call. You can select whether or not to answer the second incoming call. If you deactivate this feature, the phone will not alert you when someone tries to call you when you are already on the phone. The calling party will hear a busy tone. You can turn this option *On* or *Off*, or check its *Status*.

GPRS call

When you are connected using GPRS, whether or not your phone will emit an alert tone to notify you that there is a second incoming call shall be determined by this menu. You can select *On* or *Off*.

Set quick call

Minute reminder

You can select whether or not to use minute reminder. i.e. whether or not the phone will emit an alert on the 40th/50th/55th second of every minute when you are on the phone.

Anykey answer

If you set this option *On*, you can press any key to answer a call, except the red key.

Auto redial

You can set auto redial option *On* or *Off*. When set to *On* and the party you wish to call is unreachable, your phone will redial the number automatically. There is an alert on the screen during redial.

Headset auto answer

You can set Headset auto answer option *On* or *Off*. If set to *On*, the phone will automatically answer the call after 5 seconds when there is an incoming call.

Send ID (Network dependent)

You can select whether or not to send your phone number to the called party. You can also check the status of this option: *On* or *Off*.

Call barring

This menu allows you to restrict outgoing and incoming calls of your phone. This feature requires the call barring password supplied by your network operator. The password will be transmitted to the network for verification.

Bar all outgoing calls

All calls will be barred once this feature is activated.

Bar international calls

International calls will be barred once this feature is activated.

Local calls only

Only local calls can be made.

Bar all incoming calls

All incoming calls will be barred once this feature is activated.

Roaming incoming

Once this feature is activated, all incoming calls will be barred when roaming.

A call barring password is required to turn this feature *On*. If the password is correct, the phone will send a request to the network to activate this feature.

Cancel barring

The options in Cancel barring menu are the same as above.

If this feature is activated, you are required to input the barring password to deactivate it. If the password is correct, the phone will send a request to the network to deactivate this feature.

Status

The options in Status check menu are the same as above.

Select the option you wish to check. The phone will send a status check request to the network. The current status as feedbacked from the network will be displayed on the screen.

Change code

Allows you to check the call barring password.

Call waiting

Call waiting features varies according to the network you are connected. (GSM or GPRS).

GSM

Allows you to set call waiting *On* or *Off*.

Once call waiting has been activated, your phone will display a call waiting screen and emit a beep tone when there is a second incoming call. You can select whether or not to answer the second incoming call. If you set this feature off, the phone will not alert you when someone tries to call you when you are already on the phone. The calling party will hear a busy tone. You can set this option *On*, *Off* or carry out *Status* check. Status check option allows you to check the call waiting status of your GSM calls.

This feature is dependent on your subscription. Please check with your network operator for details.

GPRS

When you are connected using GPRS, whether or not your phone will emit an alert to notify you that there is a second incoming call shall be determined by this menu. You can select *On* or *Off*.

Minute Reminder

To manage your calls duration, you can use this menu to select whether or not the phone will emit an alert to inform you of the duration of your call when you are on the phone (the other party will not hear the alert tone). You can also select the time lapse for the alert: Off, 40s, 50s, 55s.

Anykey answer

You can turn this option **On** or **Off** (default is Off). Once you have activated this feature, when there is an incoming call, you can press any key to answer the call, except  and  as they are used for the rejection of calls.

Auto redial

You can turn this option **On** or **Off**. When set to **On** and the party you wish to call is busy, your phone will redial the number automatically. The redial time lapse are as follows: First redial attempt is 0 seconds, second redial attempt is 5 seconds, third to fifth redial attempt is 1 minute, sixth to tenth redial attempt is 3 minutes. After the seventh redial attempt, the phone will stop redialling. A beep tone is emitted when the phone starts redialling the number. A special beep tone is emitted when the call is connected.

When there is an incoming call, the redial will stop automatically.

The redial time lapse will increase after every redial attempt.

Auto answer

Allows you to set the **Auto Answer** feature **On** or **Off**. If set to **On**, the phone will answer the call automatically after 10 seconds.

Active flip

When set to **On**, you can simply flip open the phone to answer a call. The phone will emit a beep tone to indicate that the call has ended.

Send ID (network dependent)

Allows you to select whether or not to send your phone number to the called party. You can also check the status of this option: **On** or **Off**.

This menu allows you to select: **On**, **Off**, **Status**.

1. Select **Off** or **On** will disable or enable the sending of your phone number to the called party. If your selection is not supported by the network, the screen will display "Not supported by network".

Call meters

This menu allows you to display the last call, accumulated call timer, automatic call cost information and set the call duration alert tone and call cost display.

When you switch off your phone, the last call information will still be stored.

Last call Displays the duration of the last call.

Last GPRS call Displays the transfer volume of the last GPRS connection.

Call timer Displays the accumulated duration of your incoming and outgoing calls. You can also reset the timer.

Display cost You can select *Display cost on* or *Display cost off* (default) to set whether or not the current call cost information is displayed on the screen. You need a PIN2 code for this setting.

Accum. chargers (SIM dependent)

- *Show cost*: Displays the call cost.
- *Reset timer*: Reset the call timer. You need a PIN2 code for this setting.
- *Show balance*: Displays the current call balance (depending on the settings you have made to Call limit and Call cost).
- *Show limit*: Displays the call cost limit.
- *Cancel limit*: Cancel the call cost limit. Requires a PIN2 code.
- *Set limit*: Allows you to set the call cost limit. Requires a PIN2 code.

Call tariff

Allows you to edit the unit cost. Requires a PIN2 code.

The phone will determine the call duration based on the call cost limit in accordance to the unit cost.

Call filter

Call filter feature provides a simple and quick method for you to avoid nuisance calls. *Black list* contains a list of phone numbers from which you do not wish to receive calls (maximum 30), while *White list* contains a list of phone numbers (maximum 30) from which you wish to receive calls, while all other calls will be rejected.

Black list

Allows you to add, check status, modify and delete your black list, which include 2 options: *Add new number* and *Search*. When you select *Add new number*, you can carry out the following operations:

Option	Operation
<i>New number</i>	Open the phone number editor, enter the new number and save the number into the black list.
<i>Contacts</i>	Open the phonebook list and select a phone number for saving into the black list.

Search option allows you to browse the black list. You can press ▲ / ▼ to select a particular number in the black list, then press  **Options** to carry out the following operations:

Edit Open the phone number editor to edit the selected number in the black list.

Delete Delete the selected number in the black list.

White list

The method of operation is the same as "Black list" above.

Call filter settings

You can enable Blacklist, enable Whitelist or disable call filter (mutually exclusive).

Enable black list Your mobile phone will reject calls from the **Black list** automatically.

Enable white list Your mobile phone will only answer calls from the **White list** and reject all other calls.

Close filter Disable calls filtering.

When you enable Blacklist/Whitelist, the reject icon/accept icon will be displayed in idle screen.

8. My files



This menu allows you to store the files in different folders to manage your files more effectively. In addition, you can obtain information regarding your phone, such as number of files, memory utilised, percentage of memory utilised using the *Capacity* query menu.

The integrated pictures and ringtones of this phone are copyright-protected. You cannot delete, rename, forward or upload them. The folders in which these integrated pictures and ring tones are stored cannot be accessed by user. When you browse the phone using PC tools, you will not be able to view the folders.

Photos

When you enter this menu, the photos which you have taken using the phone's camera as well as photos you have downloaded via MMS, WAP, Infrared or USB will be displayed in a list.

1. Select *My files* > *Photos* and press  to enter *Photos* menu.

2. Press  *Options* to carry out the following operations:

Options	Description
<i>Grid view</i>	The photos will be displayed in a grid view. At the same time, the option will change to <i>List view</i> . The settings you have made will be saved until you change it to <i>List view</i> the next time.
<i>Preview</i>	Enter the photo browser to view the picture in full screen.
<i>Delete</i>	Delete the selected photo. You will be prompted to confirm again before deletion.
<i>Delete all</i>	Delete all the files under the photo folder.
<i>Rename</i>	Rename the selected photo.
<i>Slide show</i>	If you select this option, the screen will display the full screen view of the photos in the form of slideshow every 4 seconds. Press any key to exit from slide show mode.

Set as
big picture

This option is available only when the selected photo is 128 * 160 or smaller. If you select this option, the phonebook list will be displayed. After you have selected a contact from the phonebook, press  or  OK to associate the picture to the selected contact.

Set as
wallpaper

If the selected photo is 128*160 or smaller, it will be displayed as wallpaper in its original size. If bigger than 128*160, it will be re-sized to 128*160.

Save as
MMS size

Re-size the selected photo to 128*160 and save as a new photo. This will not affect the original photo size.

Detail

Display detailed information of the selected photo, such as filename, file size, format and storage location.

Send

You can choose the method for sending for your selected photo: *Send by MMS* or *Send by infrared*.

Photo browser

After you have selected a picture either in grid or list view mode, press  or  Options, then select *Preview* to enter the picture browser to browse the selected picture.

Press  /  /  /  to view the previous / next picture.

Press  or  Options to access the options menu by which you can carry out the following operations:

Options

Description

Zoom

You can choose *Enlarge*, *Shrink*, *Best fit* or *Actual size* from the sub menu. You can press  /  /  /  to move the view of the picture if it becomes too big for the screen after you have selected enlarge or actual size.

This option is not available for Gif files.

You can also select Enlarge, Shrink, Best fit or Actual size via the keypad:  to Enlarge,  to Shrink,  for Best fit,  for Actual size.

- Delete** Delete the selected picture. You will be prompted to confirm before deletion.
- Rename** Rename the selected picture.
- Slide show** Display the pictures as a slide show every 4 seconds. Press any key to exit from slide show mode.
- Set as big picture** This option is available only when the selected photo is 128 * 160 or smaller. If you select this option, the phonebook list will be displayed. After you have selected a contact from the phonebook, press  or  **OK** to associate the picture to the selected contact.
- Set as wallpaper** If the selected photo is 128*160 or smaller, it will be displayed as wallpaper in its original size. If bigger than 128*160, it will be re-sized to 128*160.
- Send** You can choose the method for sending your selected picture: **Send by MMS** or **Send by infrared**.

Videos

When you enter this menu, the videos which you have recorded using the phone's camera as well as videos you have downloaded via MMS, WAP, Infrared or USB will be displayed as a list.

1. Select **My files > Videos** and press  to enter **Videos** menu.
2. Press  **Options** to carry out the following operations:

Options	Description
Play	Enter video player to play the selected video. You can also press  to play the video.
Delete	Delete the selected video. You will be prompted to confirm before deletion.
Delete all	Delete all the files under the video folder.
Rename	Rename the selected video.
Detail	Display detailed information of the selected video, such as filename, file size, format and storage location.
Send	You can choose the method for sending your selected video: Send by MMS or Send by infrared .

Videos

Videos are played in non-full screen mode by default. When the video is not playing in full screen mode, the top of the screen will play the video image and the bottom of the screen will display a track indicating the play progress, total play duration, current duration, as well as volume level. You can press  to switch to full screen view. When playing in full screen, the screen will rotate 90 degrees horizontally. The keypad operations when playing in full screen are as follows:

Key	Operation
	Start/pause playback.
	Adjust volume level. The volume level selected will be stored.
	Short press to select previous file/next file. Long press to fast rewind/fast forward.
 soft key	Normal/Full screen, switch to full screen view.
 soft key	Stop/Exit

MP3

All the MP3 files will be displayed on the screen as a list (including the MP3 files you have downloaded via MMS, Infrared or USB). Select *My files* > *MP3* and press  to enter *MP3* menu (please see “MP3 player” page 26).

Pictures

This menu includes 2 sub menus: *Embedded pictures* and *Own pictures*. The pictures stored in *Embedded pictures* menu are pictures that are factory preset and copy-right protected. *Own pictures* menu contains pictures which you have downloaded via MMS, WAP, Infrared and USB.

1. Select *My files* > *Pictures* and press  to enter *Pictures* menu.
2. Select *Embedded pictures* or *Own pictures*.
The pictures will be displayed in a list.
3. Press  *Options* to carry out the following operations:

Options	Description		
<i>Grid view</i>	The pictures will be displayed in grid view. At the same time, the option will change to <i>List view</i> . The settings you have made will be saved until you change it to <i>List view</i> the next time.	<i>Set as big picture</i>	This option is available only when the selected picture is 128 * 160 or smaller. If you select this option, the phonebook list will be displayed. After you have selected a contact, press  or  <i>OK</i> to associate the picture to the selected contact.
<i>Preview</i>	Enter the picture browser to view the picture in full screen.	<i>Set as wallpaper</i>	If the selected picture is 128*160 or smaller, it will be displayed as wallpaper in its original size. If bigger than 128*160, it will be re-sized to 128*160.
<i>Delete</i>	Delete the selected picture. You will be prompted to confirm again before deletion.	<i>Save as MMS size</i>	Re-size the selected picture to 128*160 and save as a new picture. This will not affect the original picture size.
<i>Delete all</i>	Delete all the pictures under the pictures folder.	<i>Detail</i>	Display detailed information of the selected picture, such as filename, file size, format and storage location.
<i>Rename</i>	Rename the selected picture.	<i>Send</i>	You can choose the method for sending your selected picture: <i>Send by MMS</i> or <i>Send by infrared</i> .
<i>Slide show</i>	If you select this option, the screen will display a full screen view of the pictures in the form of a slideshow every 4 seconds. Press any key to exit from slide show mode.		

The available options under Embedded picture menu are: Preview, Set as wall paper, Set as big picture and Detail.

Sounds

Your phone manages audio files the same way as it manages pictures. The preset music files are commonly stored in *My Files > Sounds > Standard sound*, while the MP3 files are commonly stored in *My Files > Mp3 library* and other audio files are stored in *Sounds > Own sounds*.

This menu includes 2 sub menus: *Standard sound* and *Own sounds*. The sound stored in *Standard sound* menu are sounds that are factory preset and copy-right protected. When you move the cursor to *Standard sound* list, the phone will play the sound. *Own sounds* menu contains sound which you have downloaded via MMS, WAP, Infrared and USB.

1. Select *My files > Sounds*, and press  to enter *Sounds* menu.
2. Select *Standard sound* or *Own sounds*.
The sounds are displayed on the screen as a list.
3. Press  *Options* to carry out the following operations:

Options	Description
<i>Delete</i>	Delete the selected sound. You will be prompted to confirm before deletion.
<i>Delete all</i>	Delete all the files under the selected sound folder.
<i>Rename</i>	Rename the selected sound.
<i>Set as ringer</i>	Set the sound as an incoming call ringer.
<i>Detail</i>	Display detailed information about the selected sound, such as filename, size, length and format.
<i>Send</i>	You can choose the method for sending your selected audio: <i>Send by MMS</i> or <i>Send by infrared</i> .

The available options under Standard sound menu are: Set as incoming call ringer and Detail.

Memory capacity

Select this menu to display the total memory capacity of the phone, used memory and usage percentage.

9. Phonebook



Your phone features two phonebooks. The SIM phonebook is located on your SIM card and the number of phonebook entries you can store depends on the SIM card. The second phonebook (Smart phonebook) is integrated in the phone memory and the maximum number of name cards you can store is 500. (a namecard can consist of a name, 5 phone numbers, email address, address, postal code and a note). The SIM card is the default phonebook, but the entries in the two phonebooks are combined, sorted and displayed as a list. When you add a new contact to your phonebook, the new contact will only be added to the phonebook you have selected.

You can store up to 500 name cards provided other features in the phone such as Organizer, Schedules, Sound, Pictures and Videos, etc) did not use up a large amount of the phone's memory space.

List

The contact list displays a list of names. An icon on the right of each name indicates its storage location. If its a SIM card phonebook entry, there will be a SIM card icon, if its a Smart phonebook record, there will be a default number field icon (if you have not entered the phone number, the field icon of your entry will be displayed).

Enter

1. In idle mode, press to enter the main menu.
2. Press in idle mode to enter the contact list directly.
3. Press to select an entry, press to call the number directly, or press **Options** to carry out the following operations:

Option	Description
New	Create a new phonebook entry
Search	Enter the first letter of the name you wish to search.
Dial	Dial the selected number. The options include: Dial or Handsfree dial .
Send SMS	Send a SMS to the selected contact.

Send MMS Send a MMS to the selected contact.

Send namecard Send the record in text format via SMS. (note: as there are limitations to the length of an SMS, if there are too many numbers in a record, it may not be sent completely).

Send by infrared Send the namecard to an IrDA device.

Edit Edit the selected record.

Delete Delete the selected record.

Speed dial Assign a speed dial key for the selected record.

Copy to phone If the record is in the SIM card, it will be copied to the phone. The phone number in the SIM card record will be placed in the default number field when copied to the phone (it will be set as the default phone number automatically).

Copy to SIM If the selected record is in the phone, it will be copied to the SIM card phonebook. If there are non-phone number fields in the record (such as email, notes, address, postal code), these fields will be discarded when the record is copied to the SIM card.

Move to phone If the selected record is in the SIM card. The operation is the same as copy, except that the source record will be deleted once the record has been moved.

Move to SIM If the selected record is in the phone. The operation is the same as copy, except that the source record will be deleted once the record has been moved.

You may not be able to access the phonebook immediately when you switch on your phone, as the phonebook takes some time to initialize.

SIM phonebook

A SIM card record contains a name (maximum 12 characters) and a phone number (maximum 40 digits). Press $\blacktriangle/\blacktriangledown$ to select an entry and press \ominus to display detailed information of the entry. Press \leftarrow Options to carry out the following operations:

- *Edit*
- *Delete contact*
- *Send SMS*
- *Send by MMS*
- *Send by infrared*
- *Dial*
- *Delete*
- *Send namecard*
- *Cancel big picture*
(if you have not set big picture, this option will not be available)
- *Speed dial*
- *Edit*
- *Copy to phone*
- *Move to phone*

Phone's Phonebook (Smart phonebook)

The entries in the Smart phonebook are called *Namecards*. A namecard contains the following information:

- *Name*
(Maximum 40 characters)
- *Mobile number*
(Maximum 40 digits)
- *E-mail*
(Maximum 48 characters)
- *Office number*
- *Home number*
- *Fax number*
- *Pager number*
- *Postal Address*
(Maximum 60 characters)
- *Postal code*
(Maximum 10 digits)
- *Notes*
(Maximum 48 characters)

Every namecard (created by user) must include a name (mandatory), and at least one other information.

Press $\blacktriangle/\blacktriangledown$ to select an entry in the entry list and press \ominus to display detailed information of the entry. Press \leftarrow Options to carry out the following operations:

- *Edit*
- *Delete*
- *Send SMS*
- *Set as default*
(This option will not appear if the selected entry only has one number)
- *Speed dial*
- *Copy to SIM*

- Send MMS
- Send namecard
- Dial
- Move to SIM
- Send by infrared

Search

You can search for the phone number you have stored in the SIM card or smart phonebook using the [Search](#) menu (English names will appear at the top of the list and sorted in alphabetical order; while Chinese names will appear after the English names and sorted in Pinyin order).

1. Enter the menu and input the initial letters of the name you wish to search for matching records in the phonebook.
2. If there are matching records, the screen will scroll to the first matching record. Otherwise, it will simply display the first record in the phonebook.
3. Or press  to enter the phonebook list directly and press  to browse the list.

For English alphabets, the search is not case-sensitive. Hence there is no difference whether you enter "ABC" or "abc".

Add new

The storage location of your new entry is dependent on your settings in the [Storage location](#) menu. By default, the new entry will be saved on your SIM card. If you have selected your preferred location in [Storage location](#) menu, then the new entry will be saved in the location you have selected.

SIM

If the current storage location is SIM card, then [Add new](#) will allow you to Add/Delete big picture, enter name (maximum 12 characters) and phone number (maximum 41 digits).

1. Enter the name and phone number (press  to move between Big picture, name and number fields).
2. When the cursor is on the Big picture field, press  or  [Options](#) to select [Set big picture](#) to enter [My files](#) menu, which allows you to select pictures from [Photos](#) and [Pictures menu](#).
3. When the cursor is on the Big picture area, press  to open the pictures list. You can select a big picture for the contact and press  to save, then press  to exit.

- When the cursor is on the name and number fields, use the keypad to enter the name or number directly. Press ◀ / ▶ to move the cursor.
- Press  **Options** to carry out the following operations:

Option	Description
Save	Save the new entry.
Set big picture	If you have already assigned a big picture to the new entry, this option will not appear.
Edit big picture	If you have not assigned a big picture to the new entry, this option will not appear.
Cancel big picture	If you have not assigned a big picture to the new entry, this option will not appear.

Phone

If the current storage location is phone, then **Add new** will allow you to Add/Delete big picture, enter group, name, phone number, email, address, company, postal code and notes.

- Enter the different types of information by pressing ▲/▼ to switch between the different entry fields (such as number, email etc).

- You can also assign a caller group to the name card. Press ▲/▼ to switch to caller group field and press ▲/▼ to select a caller group.
- When on the big picture field, press ☺ to open the pictures list and assign a big picture to the name card.
- Once you have finished entering all the information, press  **OK** to save.
- You can then edit, delete, set the default field for your newly created name card.

A phonebook record, whether in the SIM card or on the phone has to include at least a name and a non-name field.

Delete all

You can select **Contacts > Advance > Delete all** to delete all the records in your SIM card and smart phonebook at once. The records cannot be recovered once they are deleted. Therefore, you will be prompted to confirm before deletion.

Copy all

From SIM to phone

As long as the phonebook memory is not full, you will be able to copy the SIM records one after another

until every record is copied to the smart phonebook, or until the phone memory is full.

From phone to SIM

As long as the SIM card memory is not full, you will be able to copy all the phone records one after another until every record is copied to the SIM card, or until the card memory is full.

A namecard in the smart phonebook can hold up to 5 phone numbers. Therefore, all the phone numbers in the namecard will be copied to the SIM card, whereby each number will occupy one record. The names on these records will be the same as that of the name field in the namecard. If a phone record does not have a phone number field, the record will be skipped.

Move all

Similar to *Copy all* operation above, except that the source records will be deleted after the records are moved to the new location.

For phone records, non-phone number fields in the namecard (such as e-mails, notes, addresses, postal codes) will be discarded after they are moved to the SIM card.

Group settings

You can assign groups to the namecards in the smart phonebook. The available groups are: *Default*, *Family*, *Friend*, *Colleague*, *Society* and *Private* (you may change the group name and the corresponding group icon). You can differentiate the groups by assigning different ring tones for each group.

Storage location

If you have selected the phonebook type, (SIM or phone), the new entry will be saved to the corresponding phonebook when you add new record.

Own info

This menu allows you to enter, show, send, edit or delete your personal information.

Capacity

This menu allows you to obtain the following information pertaining to the SIM card and phonebook:

- Used capacity
- Total capacity
- Usage percentage

10. Entertainment



JAVA (Third-party application)

Your mobile phone features a Java run-time environment, which allows you to run Java applications, such as games downloaded from the network. Press **JAVA** > **Preload JAVA** to access the embedded Java games (Battle Field and Race).

Bio-rhythm

Based on the birth date you have entered, Bio-rhythm draws a cyclical graph indicating your energy level, IQ and mood changes. You can also check your conditions of the previous day (←), next day (→), last month (▲) and next month (▼).

1. Enter **Bio-rhythm** menu and select **Birthday** to enter the birth date.
2. Select **Graphs of today** to start drawing the cyclical graph based on the birth date you have entered. In the main screen of the cyclical graph, you can press ← **Enter date** to enter the date editing screen (the title being Graphs of anyday), after you have entered the date, press ⊙ or → to check the cyclical graph of anyday.

11. Tools



Lady's planner

The results generated by the various functions under Lady's planner are generic only, and may not be accurate as the conditions of each individual may be different. The results shall NOT be relied upon by users for health, medical, family or pregnancy planning or decision making under whatever circumstances, and the measurements shall NOT be regarded as a replacement of health check by medical practitioner. Philips phone is not a medical instrument or device. Users are advised to seek independent medical advice for health and/or pregnancy related issues. Philips shall not be held liable if users get pregnant or fail to get pregnant by relying on the female calendar.

Female calendar

This function allows you to check your estimated menstrual cycle and your possible high fertility risk periods. Press  in idle mode to access [Female Calendar](#) and fill in the information in the fields below:

1. [Average cycle](#): the average days of your ovulation cycle (e.g. 28 days).
2. [Average days](#): the average days of your period (e.g. 5 days).
3. [The first date of your last cycle](#): the first date of your last period (DD/MM/YYYY).
4. Press  [Options](#) to carry out the following operations:

Options	Description
Check	To show the dates of your possible high fertility risk periods and estimated menstrual.
Warning	To describe the female calendar menu.
Legend	To show the meaning of the icons displayed in the calendar.
5. Press  Options in the calendar view and select Legend to show the meaning of the icons displayed in the calendar.	

BMI-Body Mass Index

BMI is the recommended method for measurement of overweight in adults. The borderline for overweight and obesity is determined by BMI which is closely linked to body fat. You can measure your weight index using the BMI menu.

BMI is calculated by using the weight divided by the height in squares. In the calculation, weight is in kilogrammes, while height is in metres. The formula is as follows:

BMI= [weight (kg)]/ [(Height) metres x (Height) metres]

1. When you enter the menu, the cursor will be in the weight field. Use the keypad to enter your weight. Press \blacktriangle / \blacktriangledown to switch the cursor between weight and height fields.

To facilitate weight and height input, the unit of measurement for weight is kilograms (kg) and the measurement for height is centimetres (cm). However, in the calculation of BMI, your height in centimetres will be converted to metres.

Weight ranges between 10 to 200 kg. Height ranges between 10 to 300 cm.

2. After you have entered the height and weight, press  Calculate or  to start calculation. The results will be displayed at the bottom of the screen. Besides displaying your BMI, the interpretation of your BMI results will also be displayed in the following manner:

16 or below	Cacotrophia
16 - 18.5	Underweight
18.5 - 24.99	Normal weight
25 - 29.99	Overweight
30 - 39.99	Obesity
40 or higher	Morbid Obesity

3. After you have done the calculation, press  Clear to clear the entry fields and the calculation results, so that you can perform another calculation.

Basal Metabolic Rate (BMR)

Basal Metabolic Rate is the minimal calorie requirement required to sustain life in a resting or sleeping individual that is not subject to the influence of stress, hunger, muscular activities, ambient temperature and health conditions. Basal Metabolic rate reflects an individual's metabolic condition and has been considered as a reference for weight control and the maintenance of health.

The formula for calculating BMR provided by your mobile phone is the Harris-Benedict formula, which is as follows:

Female: $BMR = 655 + (9.6 \times \text{weight in kg}) + (1.8 \times \text{height in cm}) - (4.7 \times \text{age})$

Male: $BMR = 66 + (13.7 \times \text{weight in kg}) + (5 \times \text{height in cm}) - (6.8 \times \text{age})$

In the above method of calculation, the unit for weight is in kilogrammes and the unit for height is in centimetres.

Take for example a 68 kg, 168 cm tall, 21 year old male; his daily Basal Metabolic Rate (BMR) will be: $66 + (13.7 \times 68) + (5 \times 168) - (6.8 \times 21) = 66 + 932 + 840 - 143 = 1695$ calories.

1. When you enter the menu, the cursor will be in the gender selection field. Press ◀ / ▶ to select gender (Male/Female), press ▲ / ▼ to switch between age, weight, height fields and enter the values using the keypad.
Age is in years, height is in kilogrammes and weight is in centimetres.

Weight ranges between 10 to 200 kg, age ranges between 1 to 200 and height ranges between 10 to 300 cm.

2. After you have entered the height and weight, press  Calculate or  to start calculation. The results will be displayed at the bottom of the screen. After calculation, press  Clear to clear the entry fields and the results of the calculation to perform another calculation.

Shopping list

Shopping list provides a convenient way for you to record the items you wish to buy. You can view, add, modify or delete the shopping list.

1. When you enter the menu, the screen will display a list of items you have already added to the list. If the list is empty, it will display [List empty, create it now?](#)
2. Press  OK to create a shopping list. Press  Cancel to return.
3. If you have already created a shopping list, the lists will appear on the screen. Press ▲ / ▼ to select a shopping list.

The shopping list will be sorted according to its date of creation. The last created list will appear first and indicated with a green icon.

If the date of the shopping list is close to the current system date (1 day limit), then the shopping list will be moved to the top of the list and indicated with a red icon. For example, if today is 5 October and the date of the shopping list is 6 October, and the system date of your phone is 5 October, the list will be moved to the top of the list. When a shopping list has expired, it will be indicated with a grey icon.

4. Press  **Options** to carry out the following operations:

Options	Description
Add new	Create a new shopping list.
View	Browse the selected shopping list to view its details.
Edit	Edit the selected shopping list.
Delete	Delete the selected shopping list.
Delete all	Delete all the contents of the shopping list.

Create a shopping list

Select **Add new** shopping list to enter the add new shopping list screen to create a new shopping list. You can create a maximum of 30 shopping lists.

1. Press \blacktriangle / \blacktriangledown to switch between the various entry fields. You can enter the following information: Item, store, date, unit price, quantity and select whether or not the item has been purchased.
2. When the cursor in the date, unit price, quantity entry fields, enter the values using the keypad. To enter decimal point for unit price, long press .
3. When the cursor is in the completion selection field, press \blacktriangle / \blacktriangledown to select **Done** or **Not** (default).

*The maximum length of a store name is 40 characters.
The maximum number of digits for unit price is 10.*

4. When you have completed, press  **Save** or  to save the shopping list.

Please note that all the fields in the shopping list are mandatory and cannot be left empty.

My card

My card menu allows you to manage your cards, such as membership cards, bank cards, credit cards, debit cards etc. When you forgot to carry your cards, you can use this menu to check your card information or even enjoy accumulation of points, bonuses, etc.

1. When you enter the menu, the screen will display a list of cards which you have added. If the list is empty, the screen will display **List empty, create it now?**
2. Press  **OK** to open the add card screen to add a new card information. Select  **Exit** to return.
3. If the card information has been created, the screen will display the list of card issuers and the type of card will be indicated on the left of the card list.

The card information will be listed according to the date of creation. The last created card will appear at the top of the list.

If the effective date of the card relative to the system date of the phone has expired, then the card will be moved to the bottom of the list and will be indicated with a green icon.

If the date of the card information is close to the current system date (30-day limit), then the card information will be moved to the top of the list and indicated with a red icon. For example, if today is 1 October and the expiry date of the card is 31 October, and the system date of your phone is 1 October, the card will be moved to the top of the list until it expires.

4. Press ▲ / ▼ to select a card and press  Options to carry out the following operations:

Options	Description
Add new	Create a new card information.
View	Browse the selected card for details.
Edit	Edit the selected card information.
Delete	Delete the selected card information.
Delete all	Delete all the card information in the list.

Create new card information

Select [Add new](#) to access new card information creation screen to create a new card information. You can create a maximum of 10 card information.

1. When you enter the add new screen, the cursor will be in the card type selection field.
2. Press ◀ / ▶ to select a card type; after selection, press ▲ / ▼ to switch between the different entry fields: Name, card number, note, expiry date and phone.

The maximum length for name is 40 characters, card number is 30 digits, phone number is 41 digits, notes is 60 characters.

3. When you have finished, press  Save or Ⓞ to save the card information.

Please note that except for note and phone number fields, the rest of the fields are mandatory and cannot be left empty.

Discount Manager

This menu allows you to calculate the discounted price of an item. The calculation for discounted price varies according to the language settings.

When the current language setting is Chinese, the method of calculation is:

Original $\$(\text{Discount rate}/10)$

When the current language setting is English, the method of calculation is:

Original $\$(100-\text{Discount rate})/100$

As the method of calculation varies according to language settings, the entry fields also vary.

When the current language is Chinese, the screen will prompt you to enter the original price and *n* discount rate.

1. Press $\blacktriangle / \blacktriangledown$ to switch between the two entry fields.

The maximum length for original price is 10 digits and the maximum length for n is 3 digits (including decimal point and the number after the decimal point). Long press ☺ to enter decimal point.

2. Press ☒ *Calc* or ☹ to display the calculation results on the screen.
3. Press ☒ *Clear* to clear the results and continue with the next calculation.

Price comparison table

This menu allows you to enter a product at different prices at different stores. As such, it enables you to identify which is the cheapest store selling the product.

1. Enter the menu, the screen will display a list of products. If the list is empty, the screen will display *List empty. Create it Now?*
2. Press ☒ *OK* to open add new product information screen; press ☒ *Back* to return to the previous screen.
3. If product information has been added, the screen will display a list of all products.
4. Press $\blacktriangle / \blacktriangledown$ to select a product information and press ☒ *Options* to carry out the following operations:

Options	Description
<i>Add new</i>	Create a new product information.
<i>View</i>	Browse the details of the selected product information.
<i>Edit</i>	Edit the selected product information
<i>Delete</i>	Delete the selected product information
<i>Delete all</i>	Delete all the product information in the list.

Create product information

Select **Add new** product information to enter add new product information screen to create a new product information. You can create a maximum of 20 product information.

1. Enter add new product information screen; press \blacktriangle / \blacktriangledown to switch between the different entry fields and enter the following information: Brand name, five store names and the corresponding prices at each of the store.

The maximum price you can enter is 10 digits. The maximum length of the brand and store, is 40 characters. Long press Ⓢ to enter decimal point.

2. You can also add a note for the store. Press \blacktriangle / \blacktriangledown to move the cursor to a particular store and press Ⓢ to open the editing screen to enter the note, such as the discount information of that store. The maximum length of a note is 60 characters.

When viewing product information, if the cursor is on a particular store, press Ⓢ can also open the note text which allows you to view and edit the note.

3. When entering 2 or more groups of data, the one with the lowest price will be highlighted.
4. Press Ⓢ **Save** when you have finished.

Please note that brand and name are mandatory and you must enter at least one set of store and price information.

Organizer

You can create new event, view events list, delete event or edit the contents of an event. The organizer stores the date and time of every event. If the current date and time correspond with the date and time of the event, the phone will emit an organizer alert (if needed), and the screen will display a prompt indicating that a new event has arrived.

You can create a maximum of 30 events. The list will display part of the contents. Once you have selected an event, you can then view the detailed information.

1. Select **Organizer** menu to enter Calendar display screen. The options menu include: **New**, **Check** (this month), **Weekly**, **View all events**, **Delete all events**, **Delete expired events**, **Capacity**.

Add new event

The list of events will be displayed. When you add a new event, you need to enter the corresponding information of the event and select whether or not to set the event alert or whether or not to repeat the alert periodically.

Once you have selected a specific event type, you will enter the editing screen of the specific event type.

Options	Description
<i>Meeting</i>	Enter the date, start time, end time (end time cannot be later than the start time), meeting description, alert type and repeat method.
<i>Memo</i>	Enter the date, time and text.
<i>Event</i>	Enter the date, start time, end time (end time cannot be later than the start time), meeting description, alert type and repeat method.
<i>Appointment</i>	Enter the date, time, text, alert type and repeat method.
<i>Reminder</i>	Enter the date, text, alert type and repeat method.
<i>Holiday</i>	Enter the date and text.
<i>Anniversary</i>	Enter the date, text and alert type.

If the memory space for events is full, the phone will prompt you that there is no more space.

When editing date and time, the phone will display the default or the selected date and time. You can edit or confirm them directly.

The maximum length of an event is 40 characters.

Alert type

The following types of alert are available: *On time, 5 min. before, 10 min. before, 1 hour before, 1 day before, 1 week before* and *No reminder*.

Repeat method

The phone provides the following repeat methods: *Once, Everyday, Every week, Every month* and *Every year*.

When you change the date and time of your phone, the next alert will be repeated based on the modified date and time of the phone.

When you switched off the phone, the organizer alert will be postponed until the next time you switch on the phone. For repeated events, only the latest one will be alerted.

Monthly

In the monthly calendar screen, press  *Options* to display the following options: *New, View* (current month), *Weekly, Check all, Delete all, Delete expired events, Capacity*.

In addition, you can press $\blacktriangle / \blacktriangledown / \blacktriangleleft / \blacktriangleright$ to select a date and add a new event to the selected date.

Weekly

In the weekly calendar screen, press \square *Options* to display the following options: *New*, *View* (current week), *Weekly*, *Check all*, *Delete all*, *Delete passed*, *Capacity*.

In addition, you can press $\blacktriangle / \blacktriangledown / \blacktriangleleft / \blacktriangleright$ to select a date under the weekly calendar and add a new event to the selected date.

In the monthly and weekly calendar, select a date and press \odot to enter the event list under the date and then press \square *Options* to select *Change*, *Alert type*, *Repeat method*, *Delete and New*.

Capacity

In the capacity menu, you can check the total allowable number of events as well as the number of events stored.

Delete events

This menu allows you to delete all the events at once. You can also delete past events.

Alarm clock

The phone features a 24 hour alarm clock. There are 3 groups of alarm clock and you can activate or deactivate them.

You can set 3 groups of alarm at the same time.

1. Press $\blacktriangle / \blacktriangledown$ to move to the different entry fields.
2. In the time field, press the numeric keypad or $\blacktriangleleft / \blacktriangleright$ to edit time and press \square *On* or *Off* to activate or deactivate the alarm clock.
3. In the repeat settings field, press $\blacktriangleleft / \blacktriangleright$ to select the repeat method. The options under *Repeat method* include: *Once*, *Everyday*, *On weekday*, *Except Sunday*.
4. In the snooze alarm settings field, press \square *On* or *Off*. When the snooze alarm is on, you need to press \odot key twice to stop the alarm clock when the alarm clock rings. If you press other key (except \odot key), you can only stop the alarm ringer tentatively. The alarm clock will ring for 9 times before it is closed automatically.
5. Once you have finished the alarm clock settings, press \odot to save the current setting and exit from the alarm clock menu.

Calculator

You can carry out addition, subtraction, multiplication and division operations with the calculator.

1. When you enter the calculator menu, press the keypad to enter the numbers directly and start the calculation (press  to enter decimal point).
2. Once you have finished entering the first set of numbers, press \blacktriangle / \blacktriangledown / \blacktriangleleft / \blacktriangleright to enter the operands $*/-+.$.
3. Then, press the numeric keys directly to enter the second set of numbers.
4. Lastly, press \odot to obtain the results.
5. Press  to change the display results or the number you have entered into a positive and negative number. For example, when it is a positive number, press  to add "-" (negative symbol) to the number, when it is a negative number, press  to remove "-" (negative symbol) from it.

The maximum length of the numbers and the result is 10 digits. The result of the calculator is indicative.

The keys are defined as follows:

Addition	\blacktriangleright
Subtraction	\blacktriangleleft
Multiplication	\blacktriangle
Division	\blacktriangledown
Equals	\odot
Enter decimal point	

Press  **Options** to select:

Clear	Clear the calculator editing screen and enter a new set of numbers (without affecting the contents in the memory).
MC	Clear the memory.
MR	Recall the number in the memory, whereby the recalled number will remain stored in the memory.
MS	Store the displayed number in the memory.
M+	Add up the displayed number and the number stored in the memory and then save the results in the memory.

Unit converter

This Java-based application allows you to convert many types of units such as [Angles](#), [Area](#), [Computer Convert](#), [Currency](#), [Dry Volume](#), [Energy](#), [Force](#), [Length](#), [Liquid Volume](#), [Mass](#), [Men's shirts](#), [Men's shoes](#), [Power](#), [Pressure](#), [Speed](#), [Temperature](#), [Women's dresses](#), [Women's shoes](#).

1. Press  [OK](#) or  to enter [Unit converter](#) menu.
2. Press  /  to [Select](#) from the conversion list.
3. Highlight the Unit field and press  to select from the conversion unit.
4. Enter the values in the editing fields.
5. Press  [Menu](#) to enter [Configure Currencies](#), [Help](#), [About](#) and [Exit](#) menu.

Timer

This menu includes a [Stop watch](#) and a [Countdown timer](#).

Stop watch

Your phone features a stop watch and the smallest unit is 0.1 seconds.

1. When you enter [Stopwatch](#) menu, the screen will display [Stopwatch](#) with a start time as 00:00:0.
2. Press  [Start](#) or  to start stop watch timer, press  [Exit](#) to return.
3. Press  [Pause](#) to pause stop watch timer and press  [Go](#) to resume.

4. Press  [Reset](#) to stop and clear.
5. Press  to save the current recorded time, by which the stop watch will continue its timing. Everytime you press , the current timing will be recorded. You can record up to 6 groups of timing. If you have exceeded 6 groups of timing, the first group will be deleted automatically to allow the new group to be saved.

Count-down timer

This feature is very similar to the alarm clock, except that you will be alerted of the remaining time. Activate this feature and enter the time, the phone will emit an alarm at the end of the count-down. The alarm tone is the same as your alarm clock.

Note: The count-down timer will switch on automatically and emit an alarm at the end of the count-down even if your phone is switched off.

1. Select [Alarm On](#) or [Off](#) to activate/deactivate the count down timer.
2. When you select [Alarm On](#), you can enter the count-down time in [HH:MM](#) format and press  to start the count down. The shortest time is 1 minute and the longest time is 23 hours 59 minutes.

World clock

The world clock allows you to check the time of the major cities of the world. There are two rows, one at the top and one at the bottom of the world map. The top row shows the time of the foreign city, while the bottom row shows the time of the home city.

If the selected city is in Daylight saving time, an icon will be displayed to indicate daylight saving status.

1. Enter *World clock* screen and press ◀ / ▶ or ▲ / ▼ to select a city.
2. Press  *Options* to select:

Set as local Set the selected city as local city

Daylight saving A menu will pop up. Select *On* or *Off*.

12 • WAP



Your phone comes with WAP browser. You can obtain news, sports and weather information as well as services from the internet via the WAP browser.

This feature is available only if your subscription includes WAP access services. The settings have been pre-configured and you do not need to modify them. For more information, please contact your network operator for more information.

WAP settings

Normally, the phone would have been pre-configured. You can send MMS only if your configurations are correct. If you wish to add or modify the configuration parameters, you need to obtain the necessary information from your network operator before you proceed. Philips is not liable to give prior notification nor shall it bear any consequences for any failures arising from changes of configuration made by you or by the network operator. Please check with your network operator for the most updated information.

Homepage

Select this menu to access the homepage directly. You can also set the homepage address in the settings menu.

Bookmarks

You can save the current web page or the web pages that you frequently visit to the Bookmark list, manage and organize them. Select the menu to display a list of bookmark entries. If there are no existing entries, you can select the following options to add and manage your bookmarks:

[Add bookmark](#)

Edit the title and web address.

[Manage bookmark](#)

Select to delete or edit a bookmark entry.

History

This menu allows you to manage, organize and quickly access the web pages you have previously visited.

1. If you select this menu, the web pages you have previously visited will be listed.
2. Press  [Options](#) to access the following:

Homepage Save as
Back Save as homepage
Forward Back
Refresh Settings
Bookmark Push Inbox
Enter address

Enter address

Enter the web address and press  or  to connect, press  **Back** to return to previous web page.

Settings

This menu allows you to configure the web settings for web browsing. Your phone may be pre-configured with the settings of a specific network operator. If you are a subscriber of the network operator, you may start using your browser immediately. Otherwise, you need to re-configure the settings.

Philips is not liable to give prior notification nor shall it bear any consequences for failures arising from changes in configuration made by you or by the network operator, or changes in Wap address or contents made by the internet content provider. Please check with your network operator and your internet content provider for the most updated information.

The following options for Web settings are available:

- Edit homepage** Allows you to edit and set the title of your home page and web address.
- Select profile** Allows you to select from an existing list of profiles.
- Connection** Allows you to configure the connection parameters, such as data account, connection mode, delay, proxy server, address, user ID, password, domain, security, etc.
- Browser options** Allows you to configure the browser parameters, such as enable or disable CSS, refresh, re-present the web page when it does not fit the browser screen, whether or not to display graphics, movies, play sounds, etc.
- Rename profile** Allows you to rename the profile currently used by your web browser. The name of the profile cannot be longer than 40 bytes.

Cache Allows you to enable, disable or clear cache.

Cookie Allows you to enable or disable cookie and clear cookie. Cookie is an information sent by a HTML page to your browser when you visit a website.

Push Inbox

Allows you to check your Push messages and configure your Push settings, such as select whether or not to accept Push messages, delete push messages, etc.

Icons & Symbols

In idle mode, several icons and symbols can be simultaneously displayed on the handphone screen.

If the network symbol is not displayed, it implies that the network is currently unavailable. You may be in a bad reception area; moving to a different location may help.



Battery - Indicates battery level with 4 battery level indicator bars. When charging, a scrolling icon will be displayed.



Network - Network icon comprises of 2 portions. The left portion indicates whether or not your phone is already registered with a network, and the right portion indicates signal strength in 5 levels (from no signal to strongest).



Roaming - Displayed when your phone is registered to a network other than your own.



GPRS status - there are 2 GPRS status which are mutually exclusive: GPRS network is available but not in use; or GPRS network is available and in use. The icon will be displayed only when you have logged on to GPRS.



Messages (including SMS, MMS) - Indicates that you have at least 1 unread message or memory full respectively.



Black list - Indicates that the Black list feature has been activated.



White list - Indicates that the White list feature has been activated.



Alarm clock - Indicates that the alarm clock is activated.



Vibration - Indicates that the phone will vibrate when there is an incoming call.



Call forwarding - Indicates that the call forwarding function is activated.



Silent - Indicates that silent mode is activated.



No SIM card.



WAP notification.

Precautions

Radio wave



Your cellular mobile phone is a **low power radio transmitter and receiver**. When it is operating, it sends and receives radio waves. The radio waves carry your voice or data signal to a base station that is connected to the telephone network. The network controls the power at which the phone transmits.

- Your phone transmits/receives radio waves in the GSM frequency (900 /1800 / 1900 MHz).
- The GSM network controls transmission power (0.01 to 2 watts).
- Your phone complies with all relevant safety standards.
- The CE mark on your phone shows compliancy with European electromagnetic compatibility (Ref. 89/336/EEC) and low voltage directives (Ref. 73/23/EEC).
- The CCC mark on your phone shows compliance with China Compulsory Certification.

Your cellular mobile phone is your **responsibility**. To avoid damage to yourself, to others or to the phone itself, read and follow all the safety instructions and

make them known to anyone borrowing your phone. Furthermore to prevent unauthorised use of your phone:



Keep your phone in a safe place and keep it out of small children's reach.

Avoid writing down your PIN code. Try to remember it instead.

Switch off the phone and remove the battery if you are going to leave it unused for a long time.

Use the **Security** menu to change the PIN code after purchasing the phone and to activate call restriction options.



The design of your phone complies with all applicable laws and regulations. However your phone may cause interference with other electronic devices. Consequently you should follow all **local recommendations and regulations** when using your cellular phone both at home and when away. **Regulations on the use of cellular phones in vehicles and aircraft are particularly stringent.**

Public concern has been focused for some time on the possible health risks for users of cellular phones. The current research on radio wave technology, including the GSM technology, has been reviewed and safety standards have been drawn up to ensure protection

from exposure to radio wave energy. Your cellular telephone **complies with all applicable safety standards** and the Radio Equipment and Telecommunications Terminal Equipment Directive 1999/5/EC.

Always switch off your phone

Inadequately protected or **sensitive electronic equipment** may be affected by radio energy. This interference can lead to accidents.



Before boarding an **aircraft** and/or when packing the phone in your luggage: the use of mobile phones in an aircraft may be dangerous for the operation of the aircraft, disrupt the mobile phones network and may be illegal.



In **hospitals**, clinics, other health care centres and anywhere else where you may be in the close vicinity of **medical equipment**.



In areas with a potentially **explosive atmosphere** (e.g. petrol stations and also areas where the air contains dust particles, such as metal powders).

In a vehicle transporting flammable products (even if the vehicle is parked) or a vehicle powered by liquefied

petroleum gas (LPG), check first that the vehicle complies with the applicable safety rules.

In areas where you are requested to turn off radio transmitting devices, such as quarries or other areas where blasting operations are in progress.



Check with the vehicle manufacturer that **electronic equipment** used in your vehicle will not be affected by radio energy.

Users of pacemakers

If you are a user of a **pacemaker**:

- Always keep the phone more than 15 cm from your pacemaker when the phone is switched on, in order to avoid potential interference.
- Do not carry the phone in a breastpocket.
- Use the ear opposite to the pacemaker to minimise the potential interference.
- Switch off your phone if you suspect that interference is taking place.

Users of hearing aids

If you are a user of a **hearing aid**, consult your physician and hearing aid manufacturer to learn whether your particular device is susceptible to cellular phone interference.

Performance improvement

In order to improve the performance of your phone, reduce radio energy emission, reduce battery consumption and ensure safe operation adhere to the following guidelines:



For the optimal and satisfactory operation of the phone you are recommended to use the phone in the normal operating position (when not using in hands-free mode or with a hands-free accessory).

- Do not expose your phone to extreme temperatures.
- Treat the phone with care. Any misuse will void the International Guarantee.
- Do not immerse the phone in any liquid; if your phone is damp, switch it off, remove the battery and let them dry for 24hrs before using them again.
- To clean the phone, wipe it with a soft cloth.
- Placing and receiving calls consumes the same amount of battery energy. However, the mobile consumes less energy in idle screen when kept in the same place. When in idle screen and while you are moving, your phone consumes energy to transmit updated location information to the network. Setting the backlight for a shorter

period of time as well as avoiding unnecessary navigating in the menus will also help to save the battery's energy for longer phoning and stand-by performances.

Information displayed on battery

Your phone is powered by a rechargeable battery.

- Use specified charger only.
- Do not incinerate.
- Do not deform or open the battery.
- Do not allow metal objects (such as keys in your pocket) to short circuit the battery contacts.
- Avoid exposure to excessive heat (>60°C or 140°F), moisture or caustic environments.



You should only use Philips Authentic Accessories, as the use of any other accessories may damage your phone and will make all guarantees for your Philips phone null and void.

Make sure damaged parts are replaced immediately by a qualified technician and that they are replaced with genuine Philips replacement parts.

Do not use your phone while driving



It lowers concentration, which can be dangerous. Adhere to the following guidelines:

- Give your full attention to driving. Pull off the road and park before using the phone.
- Respect the local regulations in countries where you drive and use your GSM phone.
- If you want to use your phone in a vehicle, install the hands-free car kit which is designed for that purpose, still ensuring you give full attention to driving.
- Ensure that your phone and car kit do not block any air bags or other security devices fitted in your car.
- The use of an alarm system to operate a vehicle's light or horn to indicate incoming phone calls is prohibited on public roads in some countries. Check local regulations.

EN 60950 Norm

In case of hot weather or after a prolonged exposure to the sun (e.g. behind a window or a windscreen), the temperature of your phone's casing might increase, especially when featuring a metallic finish. Be very careful in this case when picking up your phone and

also avoid using it with an ambient temperature over 40°C.

Environmental care



Remember to observe the local regulations regarding the disposal of your packaging materials, exhausted batteries and old phone and please promote their recycling.

Philips has marked the battery and packaging with standard symbols designed to promote the recycling and appropriate disposal of your eventual waste.



The battery should not be disposed of with general household waste.



The labelled packaging material is recyclable.



A financial contribution has been made to the associated national packaging recovery and recycling system (e.g. EcoEmballage in France).



The materials are recyclable (also identifies the plastic material).

Troubleshooting

The phone does not switch on

Remove/reinstall the battery. Then charge the phone until the battery icon stops scrolling. Unplug the charger and try to switch the mobile phone on.

The display shows **BLOCKED when you switch on**

Somebody tried to use your phone but didn't know the PIN code nor the unblocking code (PUK). Contact your service provider.

The display shows **IMSI failure**

This problem is related to your subscription. Contact your network operator.

Your phone doesn't return to the idle screen

Long press  key or switch off the phone. Check that the SIM card and the battery are installed correctly and switch it on again.

The network symbol is not displayed

The network connection is lost. Either you are in a radio shadow (in a tunnel or between tall buildings) or you are outside the network coverage area. Try from another place, try to reconnect to the network (especially when abroad), check that the antenna is in

place if your mobile has an external antenna, or contact your network operator for assistance/information.

The display doesn't respond (or the display responds slowly) to key presses

The display responds more slowly at very low temperatures. This is normal and does not affect the operation of your phone. Take the phone to a warmer place and try again. In other cases, please contact your phone supplier.

Your battery seems to over heat

You might be using a charger that was not intended for use with your phone. Make sure you always use Philips authentic accessory shipped with your phone.

Your phone doesn't display the phone numbers of incoming calls

This feature is network and subscription dependent. If the network does not send the caller's number, the phone will display *Call 1* or *Withheld* instead. Contact your operator for detailed information on this subject.

You can't send text messages

Some networks do not allow message exchanges with other networks. First check that you have entered your SMS centre number, or contact with your operator for detailed information on this subject.

You can't receive and/or store JPEG pictures

A picture may not be accepted by your mobile phone if it is too large, if its name is too long, or if it doesn't have the correct file format.

You have the feeling that you miss some calls

Check your call divert options.

During battery charge, the battery icon shows no bar and the outline is flashing

Only charge the battery in an environment where the temperature does not go below 0°C (32°F) or above 50°C (113°F).

In other cases, please contact your phone supplier.

The display shows SIM failure

Check that the SIM card has been inserted in the right position. If the problem persists, your SIM card may be damaged. Contact your operator.

When attempting to use a feature in the menu, the mobile displays NOT ALLOWED

Some features are network dependent. They are only available, therefore, if the network or your subscription supports them. Contact your operator for detailed information on this subject.

The display shows INSERT YOUR SIM CARD

Check that the SIM card has been inserted in the right position. If the problem persists, your SIM card might be damaged. Contact your operator.

The autonomy of your phone seems lower than indicated in the user guide

The autonomy is linked to your settings (e.g., ringer volume, backlight duration) and the features you use. To increase the autonomy, and whenever possible, please deactivate features you do not use.

Your phone doesn't work well in your car

A car contains many metallic parts that absorb electromagnetic waves which can affect the phone's performance. A car kit is available to provide you with an external antenna and enables you to make and receive phone calls without handling the handset.

Check with local authorities if you are allowed to use the phone whilst driving.

Your phone is not charging

If your battery is completely flat, it might take several minutes of pre-charge (up to 5 minutes in some cases) before the charging icon is displayed on the screen.

Philips Authentic Accessories

Some accessories, such as a standard battery and a charger, are included as standard in your mobile phone. Additional accessories may also be provided or sold separately. Package contents may therefore vary.

To maximize the performance of your Philips phone and not to void the warranty, always purchase Philips Authentic Accessories that are specially designed for use with your phone. Philips Consumer Electronics cannot be held liable for any damages due to use with non authorized accessories.

Charger

Charges your battery in any AC outlet. Small enough to carry in a briefcase/handbag.

Data Cable

Connect your mobile phone and your PC with a data cable and run the Mobile Phone Tools (a mobile phone information management software) to enable the transfer of data from your mobile phone to your PC for storage, or transfer the data saved in the PC back to your mobile phone, upload/download files,

send/receive SMS, edit Phonebook, convert video files, etc.

When your mobile phone is connected to the PC via USB data cable, the cable also acts as charger to charge your phone (the USB charging is compatible with most PCs).

Deluxe Headset

The integrated answer button offers you a simple way to answer your calls. (please see “Operations of the headset” on page 14).

Trademark declaration



JAVA is a trademark of Sun Microsystems, Inc.



Tegic Euro. Pat.
App. 0842463

T9® is a trademark of Tegic Communications Inc.

SAR Information - International (ICNIRP)

THIS MOBILE PHONE MEETS INTERNATIONAL AND FCC REQUIREMENTS FOR EXPOSURE TO RADIO WAVES

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg. Tests for SAR are conducted using standard operating positions 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 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 base station, the lower the power output of the phone.

The highest SAR value for this Philips 588 mobile phone when tested for use at the ear is 0.214 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the relevant international guidelines for RF exposure.

For body worn operation, this phone has been tested and meets the Federal Communications Commission RF exposure guidelines when used with the Philips accessories supplied. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The SAR limit set by the Federal Communications Commission of the U.S. Government is 0.325 W/kg. The highest reported SAR values are: Head: 0.165 W/kg; Body-worn: 0.505 W/kg.

Limited warranty

1. What Does This Limited Warranty Cover?

Philips warrants to the original retail purchaser (“Consumer” or “You”) that this Philips cellular product and all accessories originally provided by Philips in the sales package (“Product”) are free from defects in materials, design and workmanship under normal use in accordance with the operating instructions and pursuant to the following terms and conditions. This limited warranty extends only to the Consumer for Products purchased and used in the original country of purchase. The limited warranty is valid only in Philips’ intended country of sales of the product.

2. How Long is The Limited Warranty Period?

The limited warranty period for the Product extends for ONE (1) YEAR from the date of purchase of the Product, documented by valid proof of purchase. The limited warranty for original Philips rechargeable battery extends for six (6) months from the date of purchase.

3. What Will Philips Do if The Product is Not Free From Material Defects in Materials and

Workmanship During The Limited Warranty Period?

During the limited warranty period, Philips or its authorized service representative will, at its option either repair or replace, without charge for parts or labour, a materially defective Product with new or refurbished parts or Product and return such repaired or replaced Product to the Consumer in working condition. Philips will retain defective parts, modules or equipment.

Repaired or replaced Product will be covered by this limited warranty for the balance of the original limited warranty period or ninety (90) days from the date of repair or replacement whichever is longer. Repair or replacement of Product, at Philips’ option is your exclusive remedy.

4. What is Not Covered By This Limited Warranty?

This limited warranty does not cover:

- a) Product that has been subjected to misuse, accident, shipping or other physical damage, improper installation, abnormal operation handling, neglect, inundation, fire, water or other liquid intrusion; or

- b) Product that has been damaged due to repair, alteration, or modification by anyone not authorized by Philips; or
 - c) Product that has reception or operation problems caused by signal conditions, network reliability or cable or antenna systems; or
 - d) Product defects or problems caused by uses with non-Philips products or accessories; or
 - e) Product which warranty/quality stickers, product serial number or electronic serial number has been removed, altered or rendered illegible; or
 - f) Product purchased, used, serviced, or shipped for repair from outside the original country of purchase, or used for commercial or institutional purposes (including but not limited to Products used for rental purposes); or
 - g) Product returned without valid proof of purchase or which proof of purchase has been altered or is illegible.
 - h) Normal wear and tear or Force Majeure.
5. How Do You Get Warranty Service?
- a) Return the Product to an authorized service center of Philips. You may contact the local Philips office for the location of the nearest authorized service center.
- b) The SIM card must be removed from the Product before it is given to Philips. Philips assumes no liability for damaged or loss of the SIM card or the data contained therein.
 - c) If the Product failure is not covered by this limited warranty, or this limited warranty is inapplicable, void or invalid due to any terms and conditions stated herein, the Consumer will be charged for the cost of repair or replacement of the Product and all other related cost incurred in repairing or replacing the Product.
 - d) IMPORTANT - you are required to return the Product together with a valid proof of purchase which must identify the point of purchase, date of purchase, Product model and Product serial number clearly.
6. Other Limitation: This Warranty is The Entire Agreement.
- EXCEPT FOR THE EXPRESS WARRANTIES SET FORTH ABOVE AND THOSE IMPLIED BY LAW AND WHICH CANNOT BE EXCLUDED OR MODIFIED BY AGREEMENT, PHILIPS PROVIDES NO OTHER WARRANTY WHETHER EXPRESS OR IMPLIED (WHETHER BY STATUTE, UNDER THE OPERATION OF LAW OR OTHERWISE) AND SPECIALLY DISCLAIMS

ANY WARRANTY OF SATISFACTORY QUALITY MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. PHILIPS' TOTAL LIABILITY FOR DAMAGES RELATING TO OR ARISING OUT OF THE PURCHASE OR USE OF THE PRODUCT, REGARDLESS OF THE TYPE OR CAUSE OF SUCH DAMAGE OR THE FORM OR CHARACTERISATION OF THE CLAIM ASSERTED (E.G. CONTRACT OR TOPIT), SHALL NOT EXCEED THE ORIGINAL PURCHASE PRICE PAID FOR THE PRODUCT.

HOWEVER IN NO EVENT SHALL PHILIPS BE LIABLE FOR ANY PUNITIVE, SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO THE LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS, LOST BUSINESS OPPORTUNITIES, COST OF SUBSTITUTION OF GOODS OR SERVICES, INVESTMENTS, DAMAGE TO GOODWILL OR REPUTATION, OR LOSS OF DATA AND CLAIMS BY THIRD PARTIES) RESULTING FROM PURCHASE OR USE OF THE PRODUCT, TO THE FULLEST EXTENT ALLOWED BY LAW, WHETHER OR NOT PHILIPS HAS BEEN

ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THESE LIMITATIONS SHALL APPLY NOTWITHSTANDING THE FAILURE OF THE ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.

This limited warranty represents the complete and exclusive agreement between the Consumer and Philips with respect to this cellular Product and it supercedes all prior agreements between the parties, oral or written, and all other communications between the parties relating to the subject matter of this limited warranty. No carrier, retailer, agent, dealer, employee, thereof, or employee of Philips is authorized to make modifications to this limited warranty and you should not rely on any such representation.

This limited warranty does not affect the Consumer's statutory rights under applicable national laws in force.

Declaration of conformity

We,
Philips Electronics Hong Kong Ltd Business
Group Mobile Phone
5/F, Philips Electronics Building
5 Science Park Avenue
Shatin New Territories
Hong Kong

declare under our sole responsibility that the product
Philips 588
Cellular Mobile Radio GSM 900/1800/1900
TAC: 395172

to which this declaration relates, is in conformity with
the following Standards:

EN 60950, EN 50360 and EN 301 489-07
EN 301 511 v 7.0.1

We hereby declare that all essential radio test suites
have been carried out and that the above named
product is in conformity to all the essential
requirements of Directive 1999/5/EC.

The conformity assessment procedure referred to in
Article 10 and detailed in Annex V of Directive 1999/
5/EC has been followed related to articles 3.1 and 3.2
with the involvement of the following Notified Body:
BABT, Balfour House, Churchfield Road, Waltonon-
on-Thames, Surrey, KT12 2TD, UK
Identification mark: **0168**

April 26th, 2005

Quality Manager
