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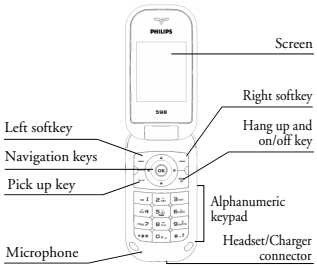
Discover Your Phone



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How to ...

Switch the phone On/Off	Long press .
Enter your PIN code	Enter your PIN code using the keypad and press OK or to confirm.
Lock the keypad	Press . 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.
Unlock the keypad	Press and then press to unlock.
Make a call	Enter the phone number using the keypad and press .
End a call	Press .

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Answer a call	When the phone rings, press .
Activate/deactivate handsfree mode	In idle mode, enter the phone number using the keypad or select a contact in the phonebook. Press or *Options*, then select call handsfree and press . During a call, press or *Options* to access the handsfree option. When there is an incoming call, long press .
Mute a call	When the phone rings, press .
Reject a call	When the phone rings, press .
Set the conversation volume	Press volume side keys to adjust the volume during a call.
Set the ringer volume	When the phone is in idle mode, press volume side keys to adjust the ring volume of an incoming call.
Access dialed calls list	Press in idle mode.
Access *WAP browser*	Press ▲ in idle mode.
Access *Contacts*	Press ▼ in idle mode.
Access *My Files*	Press ◀ in idle mode.
Access *Write SMS*	Press ▶ in idle mode.
Access *Main Menu*	Press or in idle mode.
Access *MP3*	Press in idle mode.
Go to previous menu	Press when browsing menu or in editing mode.
Quickly return to idle when browsing menus	Short press .

Softkeys

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.

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Main Menu

You can access the different features of your Philips 598 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.

Entertainment page 22	*Browser* page 23	*Music Player* page 26
Camera page 30	*Messages* page 36	*My Files* page 43
Tools page 47	*Contacts* page 57	*Profiles* page 61
Connectivity page 63	*Calls* page 67	*Settings* page 70

Press in idle mode to access the main menu and press ▲, ▼, ◀ or ▶ to navigate through the icons and lists, or press 0 - 9 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 *Back* to return to the previous menu.

Menu without SIM

If you do not have a SIM card, the number of main menus you see after entering the main screen is less than 12. They are laid out as follows:

Entertainment page 22		*Music Player* page 26
Camera page 30	*Demo* page 22	*My Files* page 43

Tools page 47		
Connectivity page 63		*Settings* page 70

The default position of the menu is *Messages* if you have inserted a SIM card. The default position of the menu is *Demo* if you have not inserted a SIM card.

How to use this manual

This user manual strives to provide you with concise and complete information regarding your Philips 598 phone. It includes the following:

Discover your phone — This section presents an overview of your mobile phone and information on the most commonly used features.

Chapter 1: Getting started — Information on how to set up your mobile phone for the first time, such as installation of SIM card, battery, etc.

Chapter 2: Main features — 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.

Chapter 4 to 15 — Description of the main features of this phone.

Other sections — Icons & Symbols, Precautions, Troubleshooting, Philips Authentic Accessories, SAR information (if available at the time of publication, otherwise included as a separate document), and finally the Limited Warranty information.

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1. Getting Started

Please read the safety instructions in the "Precautions" section before use.

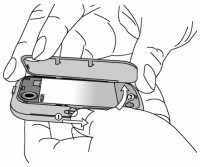
Before you start using your phone, you must insert a valid SIM card supplied by your GSM operator or retailer. The SIM card contains your subscription information, your mobile telephone number, and a small quantity of memory in which you can store phone numbers and messages (for more information, see "Contacts" on page 57).

You can also insert a memory card. This provides you with expanded memory capability, which allows you to store additional music, photo, and video files separate from the phone's built-in memory.

Inserting the SIM card

Remove the back cover

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. Place your finger in the small hole above the release catch and lift up the back cover from its slot.



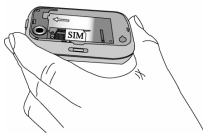
Remove the battery

Put your finger on the black holder located at the top right hand corner of the battery and lift the battery up from its slot.

You may lose all your personal settings if you remove the battery when the phone is switched on.

Insert the SIM card

Make sure that the clipped corner of the SIM card is facing the correct direction (clipped corner at upper left) and the metallic contacts are facing downwards. Slide the SIM card into the card slot until it stops. When you remove your SIM card the first time, make sure that you smoothen the edges, otherwise you may have difficulty sliding in the card.

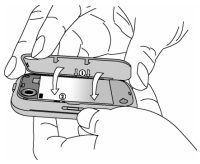


Replace the battery

With the metallic contacts facing downwards, press the battery down into its slot until it locks into place. Note that the hinge should be at the bottom of the battery.

Replace the back cover

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.

Switching on the phone

To switch on the phone, long press the key. Enter the PIN code if required (the 4 to 8 digit secret code of your SIM card). It is preconfigured and provided to you by your network operator or retailer. For more information on PIN code, see "Security" on page 71.

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

Charging the battery

Your phone is powered by a rechargeable battery. The new battery is partially charged. A sound alert will be emitted to warn you when the battery level becomes low.

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.

Once the battery and battery cover are installed, you can charge the phone. Plug in the connector as shown below. Then plug the other end into an AC power socket.

The battery symbol indicates the state of charge. During charging, the charge indicators will scroll; it takes around 2.5 hours to fully charge the battery. When all the scroll bars are steady, the battery is fully charged. You can then disconnect the charger.
Depending on the network and condition of use, talk time and stand-by time can go up to 10 hours* and 1000 hours* respectively.

**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.

Setting hotkeys

You can configure the numeric keys 2 - 9 to access your favorite features. Once they have been set, you can simply long press on the numeric key to access the corresponding features.

Majority of the hotkeys have been preset and configured. To check the hotkey settings, go to Shortcuts > Hotkey. To change the hotkey setting, press the numeric key you wish to change and select Options > Personalise, then select a feature to be associated with the numeric key from the following list:

- Alarm
- Calendar
- Voice Memo
- Inbox
- Bluetooth
- Calculator
- Firewall
- Language

*Numeric keys 0, 1, 7 and * have been preconfigured as the default keys to enter "+", access voice mailbox, activate* Meeting *profile and the unlock the keypad, respectively, and cannot be modified.*

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2. Calling

Although your Philips 598 mobile phone supports a wide variety of functions, such as taking pictures, recording videos and sound, sending and receiving of SMS/MMS, etc, it is first and foremost a mobile phone. This chapter describes the features and options related to making and receiving calls.

Switch on the phone

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.

Options during a call

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

- Activate/cancel handsfree
- Activate bluetooth headset
- Mute/Unmute the call

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- Put the call on hold
- Dial a new number
- End the current call
- Access *Main Menu*
- Record phone conversation (which includes 3 sub-options: *Record both*, *Record the opposite party* and *Record own*)
- Access *Contacts* list

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 ▲/▼ 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 the opposite party* and *Record own* (applicable to two-party calls or multi-party calls).
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* > *Audio*.

There is no limit to the length of the recording; the recording will stop only when you press key to stop the recording, 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.

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Make an emergency call

You can make an emergency call anytime, irrespective of whether the mobile phone has been registered on the network.

1. In idle mode, enter the emergency call number ("112" in China, or specific number in the caller's country)
2. Press .

Note that an emergency call will not be stored in the call record.

3. After switching on the mobile phone and entering the PIN number, press the *SOS* soft key to go to the emergency call screen. If there is no SIM card, pressing the *SOS* soft key can also bring you to the emergency call screen, displaying the call number. Then press or the *Dial* softkey to directly make an emergency call and the dial animation will be displayed.

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 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 *Swap* to switch between the 2 calls.

Call Handsfree

During a call, press *Options* and select *Hands free*.

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

IP Dial

You may select *IP dial*. When you select *IP dial* option, the mobile phone will automatically add the IP special service number preset by you in front of the phone number and then make IP dial. You can also long press to activate IP dial.

When you have entered several IP special service numbers, you will be prompted to verify them to avoid adding them repeatedly.

Answer a call

Press to answer a call.

Reject a call

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:

- *Swap*
- *Conference call*
- *Hands free*
- *Bluetooth headset*
- *Mute*
- *Holding*
- *End all calls*
- *End call*
- *Send SMS*
- *Record*
- *View contacts*

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.

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3. Text and number entry

Input method

Your mobile phone supports several input methods, which include:

- 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.

*During text editing, you can press to switch input mode; the status bar on the screen will display your current input mode. 『拼』 represents Simplified Chinese Pinyin input mode;『笔』represents Simplified Chinese stroke input mode; 『ㄅㄆ』 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: 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 ".".

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Entering symbols

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.
OK	To confirm the letter or word.
Clear	Short press to clear a letter, long press to clear all entries.
	Shift case.

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Select input mode.

Activate/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 , , (GHI) , , (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 ü ù
	w x y z 9 Ω Ξ Ψ
	Shift case
	Switch text input mode
	Input symbol

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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).

	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.

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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 9 2 6 4 and use ▸ to select the desired pinyin combination for 『wang』, then press OK 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 OK 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 OK 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 OK to confirm completion of the editing process.

Zhuyin Input

T9 Traditonal 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 0 - 9 are as follows:

Key	Characters
1	ㄞㄍㄐ
2	ㄓㄢㄅㄉ
3	ㄧㄗㄦㄚ
4	ㄠㄎㄑㄟ
5	ㄔㄣㄊㄆ
6	ㄨㄘㄛ
7	ㄡㄏㄒ
8	ㄕㄤㄋㄇ
9	ㄩㄙㄜㄝ
0	ㄖㄌㄈㄥ

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 ▾ (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

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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 — + 5 | + 4 ⁄ + 6 \
2. 田：5 | + 0 ¬ + 2 — + 5 | + 2 — + ▶
3. 加：6 ? + 4 ⁄ + 5 | + 0 ¬ + 2 —
4. 凉：6 \ + 0 ? + 6 \ + 2 — + 5 | + 0 ¬ + 2 — + 0 ? + 4 ⁄ + 6 \
5. 陈：6 ? + 5 | + 2 — + 0 ? + 0 ? + 4 ⁄ + 6 \ + ▶ + (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 OK 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.

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4. Entertainment

This section describes the games and additional tools installed on your mobile phone.

Some of the features described here are dependent on the configuration of your mobile phone, the country in which you purchased your mobile phone, and/or your service provider.

Games

Default games

This menu features games that are pre-installed in your mobile phone. Press ⊛ to enter the main menu from idle mode and select *Entertainment* > *Games* > *Default games*.

Java Games

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* > *Launch* to launch a new application.
- Press *Java* > *Preload Java* to access the embedded Java games.
- Press *Java* > *Java download by USB* to access games downloaded via USB.

Demo mode

This menu displays a video clip that illustrates the multimedia features in your mobile phone. It is available even if you have not inserted a SIM card.

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5. Browser

Your phone comes with a 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.

WAP settings

You can send MMS only if your configurations are correct. Normally, the phone would have been pre-configured. 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.

Bookmark

You can save the current web page or the web pages that you frequently visit to the Bookmark list, manage and organize them.

When you enter the menu, a list of bookmark entries is displayed. To connect to the web address of a particular bookmark entry, select an entry using ▲ or ▼ and press OK.

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	Delete or edit a bookmark entry.

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To add a new bookmark:

Go to *Bookmark* menu	Press to enter the main menu from idle mode and select *Browser* > *Bookmark*.
Select *Add Bookmark*	Press ▲ or ▼ and press *Select*.
Add a new bookmark	Enter the *Address* and *Title* of the new bookmark and press *Save*.

To edit a bookmark:

Go to *Bookmark* menu	Press to enter the main menu from idle mode and select *Browser* > *Bookmark*.
Select *Manage Bookmark*	Press ▲ or ▼ and press *Select*.
Select a bookmark you wish to edit	Press ▲ or ▼ .
Enter *Options* menu	Press *Options*.
Select *Edit*	Press ▲ or ▼ and press *Select*.
Edit the bookmark	Edit the *Address* and *Title* of the bookmark and press *Save*.

History

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

1. When you enter this menu, the web pages you have previously visited will be listed.
2. Press *Options* to access the following:

Homepage	*Save as*
Back	*Send as MMS*
Forward	*Save as homepage*
Refresh	*Exit*
Bookmark	*Setting*
Enter address	

Enter address

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

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Settings

This menu allows you to configure the web settings for web browsing. Your phone may have been pre-configured with the settings of a specific network operator. If you are a subscriber of the network operator, you may start using your WAP 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 are available:

Browser options	Allows you to configure the browser parameters, such as *Display pictures*, *Activate Refresh*, etc.
Cache	Allows you to set the *Cache mode* and *Clear cache*.
Cookies	Allows you *Enable cookies* or *Clear cookies*.

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.

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6. Music

This feature allows you to download music from the network, save the audio files, edit your playlist, and play music. The phone supports audio files in MP3 and AAC format.

Tracks

This feature allows you to play downloaded music in your *Phone memory* or *Memory card*. From the listed tracks, use ▲/▼ to select the music file you want to play and then press *Options*.

Options	Description
Open	Open the music player to play the selected track.
Add to playlist	Open the playlist, select a playlist and add the selected track to the playlist.
Delete	Delete the selected track.
Details	View detailed information of the selected track.

Artists

A list of singer names is displayed on the screen. You can press ▲/▼ to select a certain artist and press or to display all tracks of the selected artist.
From the listed tracks, use ▲/▼ to select the music file you want to play and then press *Options*.

Options	Description
Open	Open the music player to play the selected track.
Add to playlist	Open the playlist, select a playlist and add the selected track to the playlist.
Delete track	Delete the selected track.
Delete artist	Delete all tracks of the same artist.
Details	View detailed information of the selected track.

Playlists

The stored playlists are displayed on the screen. To create a new playlist, select *New playlist*. Enter the playlist name and press . Then use ▲/▼ to select a file, press , and then press to confirm and store the playlist.

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You can create up to 10 playlist and you can store up to 20 tracks in each list. The available options include:

Options	Description
Open	Open the music player to play the currently selected file.
Edit playlist	Edit the playlist.
Rename	Modify the playlist name.
Delete	Delete the current playlist.
Tracks sequence	Modify the play sequence of the current playlist.
Details	View detailed information of the selected file.

Last played

List the last 10 tracks you have played, and the last played track is displayed at the top of the list.

Now playing

The screen displays the file currently playing. If there is no file currently playing, a list of tracks played before exiting the playlist is displayed.

Keys operation

The keypad operations during music playback are as follows:

Key	Operation
key	Short press to Start/Pause/resume music 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.

Press *Options* to carry out the following operations:

Play/Pause	Play/Pause the selected audio file.
Add to playlist	Open the playlist, select a playlist and add the selected file to the playlist.

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Play mode	*Shuffle*: *On* or *Off* *Repeat*: *None*, *Repeat Single* or *Repeat playlist*.
Equalizer	Select *Bass boost*, *Dance*, *Hip-hop*, *Pop*, *R&B* or *Rock*.
Detail	Display detailed information of the selected audio file.
Flip exit	Select *On* or *Off* (default). If you select *On*, once you close the flip, you will exit from the music player.

Settings

The available options include:

Options	Description
Equalizer	Select *Bass boost*, *Dance*, *Hip-hop*, *Pop*, *R&B* or *Rock*.
Play mode	*Shuffle*: *On* or *Off* *Repeat*: *None*, *Repeat Single* or *Repeat playlist*.
Help	Display descriptions on how to use the music player.
Refresh list	All tracks stored in the phone memory and the memory Card will be refreshed.

Using the music player control keys on the flip

Whether or not the music player will stop playing when you close the flip of the phone during music playback depends on your settings in the *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.

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

Key	Operation
MP3 key	Pause/play music.
◂ or ▸	Short press: Turn the volume up/down. Long press: Select previous/next track.

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7. Camera

Your mobile phone features a digital camera that allows you to take pictures and record short videos, store them in your phone, use them as wallpaper or send them to your friends.

Please ensure that the camera lens is clean before you take pictures, as small dust particles can strongly affect the picture quality.

Camera mode

Consult the table below on how to carry out some common operations with your camera.

How to ...

Launch Camera	Press ⊖ to enter the main menu from idle mode and select DC/DV > DC.
Zoom in/out	Press ◂/▸. *Maximum zoom factor is 4x for pixels below 480*640 only.*
Adjust brightness	Press ▴/▾. *Brightness level is -3 to +3. Default level is 0.*
Take a picture	Press ⊖. *The picture will be automatically saved and stored in* My Files > Pictures. *If a memory card is inserted, the picture will be saved in the memory card by default.*
Exit from Camera and return to idle mode	Press ⏻ key.

At any point in time, you can press ⏻ key to cancel the current operation and return to idle mode.

Camera option menu

When the camera mode is activated and before a picture is taken, you can change a number of settings by pressing Options.

Options	Description
Capture	Take a new picture.

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Switch to DV	Exit from Camera mode and switch to Video mode.
Picture resolution	Select image size: *1280x1024*, *768x1024*, *480x640* and *176x220*.
Picture Quality	Select image quality: *Super fine*, *Fine* and *Normal*.
	The last selected value will remain active until you change you change it again.
View pictures	Enter *My Files* > *Pictures* to view the pictures taken.
Camera mode	*Color effect*: *Off* (default), *B & W*, *Sepia* or *Blue*.
	The selected color efffect will be displayed on the screen in real time.
	Night mode: *On* or *Off* *Self-timer*: *On* or *Off*
	The time limit is 8 seconds.
	Multishot: *On* or *Off*
	Three pictures can be taken at the same time.
	Self-shooting: On or *Off*
	When activated, you can press the play key of the MP3 player to take a picture when the flip is closed.
Advanced	*Stored location*: *Phone memory* or *Memory card* *Default name*: modify the default name of the photo *Electricity frequency*: *50HZ* or *60HZ*

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Once you have activated the camera, simply press to take a picture. The picture is automatically saved and displayed on the screen. You can press *Options* to carry out the following operations:

Options	Description
Send	Send the picture: *Send by Bluetooth*, *Send by IRDA* or *Send by MMS*.
Delete	Delete the current picture.
Capture	Return to the viewfinder screen to take a new picture.
Set as contact picture	Link the picture to a contact in your mobile phone so that the picture will be displayed when the contact calls you.
Set as wallpaper	Set the picture as a wallpaper in idle screen.

When there is not enough memory space, you will not be able to save the picture and you will be prompted wtih a warning message. You have to delete existing pictures before you can store new ones.

Video mode

This option allows you to record short videos. You can play the video, store it in your phone or in the memory card. You can also send the video to your friends via MMS, Bluetooth or IRDA.

How to ...

Launch Video Camera	Press to enter the main menu in idle mode and select *DC/DV* > *DV*.
Zoom in/out	Press ◂/▸. *Maximum zoom factor is 4x for pixels below 480*640 only.*
Adjust brightness	Press ▴/▾. *Brightness level is -3 to +3. Default level is 0.*

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Record a video	Press ⊙ key once. Press twice to stop recording. *The video will be automatically saved and stored in My Files > Videos.* *If a memory card is inserted, the video will be saved in the memory card by default.*
Exit from Video mode and return to idle mode	Press key.

Video option menu

When the video mode is activated and before you start recording, you can change a number of settings by pressing Options.

Options	Description
Record now	Record a new video.
Switch to DC	Exit from Video mode and switch to Camera mode.
Video Quality	Select video quality: Fine or Normal *The last selected value will remain active until you change it again.*
View videos	Enter My Files > Videos to view the recorded videos.
Video mode	Color effect: Off (default), B & W, Sepia or Blue *The selected color efffect will be displayed on the screen.* Video format: MPEG-4 or 3GP Frame speed: 5, 10 or 15

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Advanced

Stored location: *Phone memory* or *Memory card*
Default name: modify the default name of the video
Mute audio: *On* or *Off*

If you select On, sound will not be recorded.

Video length: *MMS* (default) or *Unlimit*.

If you select MMS, the size of the recorded video will be smaller than the currently specified maximum MMS size. Recording will stop when reaching the maximum MMS size and the video will be stored automatically. If you select Unlimit, there will be no restrictions on the size of the recorded video. The maximum size shall be determined by the memory capacity of your mobile phone or the memory card.

Once you have activated the video mode, simply press to start recording. Press twice to stop recording. The video is automatically saved and the last recorded scene is displayed on the screen. You can press *Options* to carry out the following operations:

Options	Description
Playback	Play the recorded video. During playback, you can: Pause playback by pressing or *Pause*. Resume playback by pressing or *Play*. Adjust volume by pressing ▲/▼ Fast rewind by pressing and holding ◀ Fast forward by pressing and holding ▶ Go to previous menu level by pressing Return to idle screen by pressing
Send	Send the recorded video: *Send by Bluetooth*, *Send by IRDA* and *Send by MMS*.
Delete	Delete the recorded video.
Record new	Return to video mode to record a new video clip.

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When there is not enough memory space, you will not be able to save the recorded video and you will be prompted wtih a warning message.

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8. 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 an icon to alert you. You need to delete some messages in order to receive new ones.

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

Create, edit and send SMS

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 ⊙ to enter the main menu.
2. Select *Messages* > *Create Message* > *SMS* and press ⊙. The SMS editing screen will appear.
3. Enter the SMS content in the SMS editor and press ☞ *Options* to carry out the following operations:

Continue	Enter the phone number of the recipient.You can also select it from *Contacts* list or *Groups*. Press ⊙ to send the SMS.
Insert	Insert animation or sound.
Save	Save the SMS.

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.

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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.

Create, edit and send MMS

1. In idle mode, press ⊙ to enter the main menu.
2. Select *Messages* > *Create Message* > *MMS* and press ⊙. The MMS editing screen will appear.
3. Enter the MMS content in the MMS editor and press *Options* to carry out the following operations:

Continue	Enter the phone number of the recipient.You can also select it from *Contacts* list or *Groups*. Press ⊙ to send the SMS.
Insert object	Insert picture, video, melody, page or object. *Only a picture, a melody and a video can be inserted on one page. If 3 of them exist at the same time, only one can be saved.*
Change object	It appears after you have inserted objects. You can change these inserted objects.
Delete object	Delete inserted objects.
Preview	Preview the current MMS.
Pages timing	Set play time of the MMS slides. The default value is 3 seconds.
Save	Save the MMS.

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

The Inbox stores the messages you have received.

1. In idle mode, press ⊖ to enter the main menu.
2. Select *Messages* > *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 ⊖ to enter the next screen whereby the message details will be displayed. Press *Options* to carry out the following operations:

View	View the selected SMS.
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.
Delete all	Delete all the messages in the Inbox.
Add to SIM arhive	Add the selected message to the SIM card.
Move to Favourites	Move the selected message to *My Favourites*.
Details	View information of the message such as date, time and sender.
Call back	Extract the sender's number from the message and dial the number.
Select multiple	You can press ⊖ to select/cancel the operations on multiple messages. Checkboxes will be marked on the left of the selected message. You can delete the selected messages.

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* > *Outbox* and press ⊖.
3. If there are messages in the *Outbox*, they will be listed on the screen.

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4. Press ▲/▼ to select a message. When a message is selected, its contents will be displayed on the screen.
5. Press ⊙ to enter the next screen whereby the details will be displayed. When you press *Options*, you can carry out the following operations:

View	View the selected message.
Send	Resend the message to the recipient.
Forward	When you select *Forward*, the contents of the selected message will appear on the message editor. You may edit the message before sending.
Delete	Delete the message from the Outbox.
Delete all	Delete all the messages in the Outbox.
Details	View information of the message such as date and time.
Select multiple	You can press ⊙ to select/cancel the operations on multiple messages. Checkboxes will be marked on the left of the selected message. You can delete the selected messages.

My favourites

This menu contains all the messages received and saved in the phone memory via *Move to Favourites* option. The available options include:

Options	Description
View	Open the current message and view the detailed contents of the message.
Reply	Reply the message.
Forward	Forward the message to other recipients.
Delete	Delete the message.
Delete all	Delete all messages.
Details	View details of the message.
Call back	Call the sender of the message.
Select mutiple	You can press ⊙ to select/cancel the operations on multiple messages. Checkboxes will be marked on the left of the selected message. You can delete the selected messages.

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Draft

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

SIM archive

In the menu, you can see the read and unread messages saved in the SIM Card. The available options include:

Options	Description
View	Open the current message and view the detailed contents of the message.
Reply	Reply the message.
Forward	Forward the message to other recipients.
Delete	Delete the message.
Delete all	Delete all messages.
Details	View information of the message, such as date, time and sender, etc.
Call back	Call the sender of the message.
Select mutiple	You can press to select/cancel the operations on multiple messages. Checkboxes will be marked on the left of the selected message. You can delete the selected messages.

Templates

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

Voice mailbox

This menu allows you to set your voice mailbox number and listen to voice messages your correspondents have left for you.

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 used for Call Forwarding)
- number for you to retrieve your voice messages

Cell broadcast

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. It gives you access to the options listed below.

Options	Description
Reception	Select to turn on/off the reception of new cell broadcast messages.
Channel list	Add, change or delete channels. *<New channel>*: Add a new channel. *Change*: Edit a channel number. *Delete*: Delete a channel in the channel list.

Reception

You can set the reception of broadcast messsages *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.

To obtain the codes corresponding to the different types, you must contact your operator.

Message Setting

SMS

Message center

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.

Delivery 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.

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.

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

MMS

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

MMS parameters
You can select or edit the parameters.

Sender visibility
You can set this option *On* or *off*. It is used to set if your identity will be visible when MMS is sent.

Priority
This option allows you to set the priority level of your MMS. You can set *Low*, *Normal* (default) or *High*.

Delivery report
You can set this option *On* or *off*. When set to *On*, a report will be sent to notify you if the MMS has been delivered to the recipient.

Read report
You can set this option *On* or *off*. When set to *On*, a report will be sent to notify you if the MMS has been read by the recipient.

Expiry time
Allows you to select the duration by which your MMS will be stored in the MMS center. You can choose from *6 hours*, *12 hours*, *1 day*, *1 week* or *Maximum* (default).

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9. My Files

This menu allows you to store the files in different folders (*Pictures*, *Videos*, *Audios*, *Others*) to facilitate more efficient management of files in your phone and the memory card. In addition, you can obtain information regarding your phone and memory card, such as number of files, memory utilised, percentage of memory utilised via the *Memory status* option.

Pictures

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

1. Select *My files* > *Pictures* and press ⊙ to enter the menu.
2. Press *Options* to carry out the following operations to a selected file:

Options	Description
View	View the picture in full screen.
Send	Send the selected file: *Send by IRDA*, *Send by bluetooth* and *Send by MMS*.
Advanced	*Copy*: Copy the selected file to another folder. *Cut*: Similar to copy, but the original file will be deleted. *Rename*: Modify the name of the selected file. *Details*: Display detailed information of the selected photo, such as last modified date, file size, etc.
Use	*Set as contact ID*: If you select this option, the phonebook list will be displayed. After you have selected a contact from the phonebook, press *OK* to associate the picture to the selected contact. *Set as wallpaper*: If the selected photo is 176*220 or smaller, it will be displayed as wallpaper in its original size. If larger than 176*220, it will be re-sized accordingly.
Delete	Delete the selected picture.

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Slide show	If you select this option, the screen will display the full screen view of all the pictures in the form of slideshow every 4 seconds. Press any key to exit from the slide show mode.
Change view	You can select to view the pictures in *List view*, *Grid view* or *Full screen*.
Sort	Sort the pictures and folders by name or date.
Select multiple	*Selecting one by one*: select the picture one by one and then *Cut*, *Copy* or *Delete* them. *Selecting all*: select all the pictures and then *Cut*, *Copy* or *Delete* them.
Add frame	Add a photo frame to the selected picture. Available only when the picture size is 176*220.

3. The folder options include:

Open	Browse the selected folder.
Advanced	*Rename*: Modify the name of the selected folder. *Details*: View detailed information of the selected folder.
Delete	Delete the selected folder.
Change view	Select *List view* or *Grid view*.
Sort	Sort the picture and folders by name or date.

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 the menu.
2. Press *Options* to carry out the following operations to a selected file:

Options	Description
Play/Pause	Play or pause the selected video.
Send	Send the selected file: *Send by IRDA*, *Send by bluetooth* and *Send by MMS*.

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Advanced	*Copy*: Copy the selected file to another folder. *Cut*: Similar to copy, but the original file will be deleted. *Rename*: Modify the name of the selected file. *Details*: Display detailed information of the selected video, such as last modified date, file size, etc.
Delete	Delete the selected video.
Change view	You can select to view the video files in *List view*, *Grid view* or *Full screen*.
Sort	Sort the videos and folders by name or date.
Select multiple	*Selecting one by one*: select the video one by one and then *Cut*, *Copy* or *Delete* them. *Selecting all*: select all the videos and then *Cut*, *Copy* or *Delete* them.

3. The folder options and their operations are the same as *Pictures* menu.

Videos are played in the middle of the screen. A status bar is displayed at the top of the screen. The keypad operations when playing videos are as follows:

Key	Operation
⊙ or ☞	Start/pause playback.
▲ / ▼	Adjust volume level. The volume level selected will be stored.
◀	Long press to rewind.
▶	Long press to fast forward.
☜	Exit/return to an upper menu level.
☎	Return to idle screen.

Audios

When you enter this menu, the audios which you have stored or downloaded via MMS, WAP, Infrared or USB will be displayed in a list.

1. Select *My files* > *Audios* and press ⊙ to enter the menu.
2. Press ☞*Options* to carry out the following operations to a selected file:

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Play	Play the selected audio file.
Send	The available options are: *Send by IRDA*, *Send by bluetooth* and *Send by MMS*.
Advanced	*Copy*: Copy the selected file to another folder *Cut*: Similar to copy, but the original file will be deleted *Rename*: Modify the name of the selected file *Details*: Display detailed information of the selected audio file, such as last modified date, file size, etc.
Use	You can set the audio file: *Set as incoming call ring* or *Set as content ring*.
Delete	Delete the selected audio file.
Sort	Sort the audios and folders by name or date.
Select multiple	*Selecting one by one*: select the audio file one by one and then *Cut*, *Copy* or *Delete* them. *Selecting all*: select all the audio files and then *Cut*, *Copy* or *Delete* them.

3. The folder options and their operations are the same as *Pictures* menu.

Memory capacity

All memory capacity, used memory capacity and percentage between all memory capacity and used in both the mobile phone and memory card will be displayed.

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10. Tools

Lady's planner

The results generated by the various functions under Lady's planner are for reference only, and may not be accurate as the conditions of each individual may be different. The results shall NOT be relied upon for health, medical, family or pregnancy planning or decision making under whatever circumstances, and the measurements shall NOT be regarded as a replacement for health checks by a 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 calender

This function allows you to check your estimated menstrual cycle and your possible high fertility risk periods.

1. Enter the menu.
2. The screen displays 3 input boxes. Press ▲/▼ to switch between the input boxes.

Average menstrual cycle	Enter the average days of your ovulation cycle (e.g. 28 days).
Average menstrual days	Enter the average days of your period (e.g. 5 days).
1st day of last menstrual cycle	Enter the first date of your last period (DD/MM/YYYY) .

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

Options	Description
Check	Show the dates of your possible high fertility risk periods and estimated menstrual period.

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Warning	Show the current, previous and next month's conditions. Different color or icon will be displayed to indicate different conditions (e.g. Pink represents menstrual period).
	Press Options and select Legend to show the meaning of the colors and icons displayed.
Legend	Show the meaning of the colors and icons displayed in the *Warning* menu.

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. Enter the menu.
2. The screen displays a list of items you have already added to the list. If the list is empty, you will be prompted to create it. Press *Confirm* to create a shopping list. Press *Cancel* to exit.
3. If a shopping list has been created, press ▲ / ▼ to select a certain 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
Create	Create a new shopping list.
View	View details of the selected shopping list.
Modify	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 *Create* to enter create shopping list screen. You can create a maximum of 30 shopping lists.

1. Press ▲ / ▼ to switch between the various input boxes. You can enter the following information:

Item name, shop, date, unit price, quantity, completion status and reminder.

2. When the cursor in the date, unit price, quantity input boxes, enter the values using the keypad. To enter decimal point for unit price, long press 0 .
3. When the cursor is in the completion and reminder input box, press ◂ / ▸ to select *Yes* or *No* (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 input boxes in the shopping list are mandatory and cannot be left empty.

Price comparison table

This menu allows you to enter different prices for the same product, so as to identify the store that sells the product at the lowest price.

1. Enter the menu.
2. The screen displays a list of items you have already added to the list. If the list is empty, you will be prompted to create it. Press *Confirm* to create a list. Press *Cancel* to exit.
3. If a list has been created, press ▲ / ▼ to select a product.
4. Press *Options* to carry out the following operations:

Options	Description
Create	Create a new product information.
View	View details of the selected product.
Change	Edit the selected product information.
Delete	Delete the selected product information.
Delete all	Delete all the product information in the list.

Create a product information

Select *Create* to enter create product information screen. You can create a maximum of 20 product information.

1. Press ▲ / ▼ to switch between the various input boxes. You can enter the following information: product name, shop, name of up to 5 shopping malls and their respective prices.
2. When the cursor in the price input boxes, enter the values using the keypad. To enter decimal point for unit price, long press 0 .

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

3. When you have completed, press Save or to save the product information.

Please note that all the input boxes 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 $*(Discount rate/10)
When the current language setting is English, the method of calculation is:
Original $*(100-Discount rate)/100
As the method of calculation varies according to language settings, the input boxes also vary.
When the current language is Chinese, the screen will prompt you to enter the original price and *n* discount rate.

1. Press ▲ / ▼ to switch between the two input boxes.

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 Calculate or to display the results on the screen.
3. Press Clear to clear the results and continue with the next calculation.

My card

This 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 you are entitled to.

1. Enter the menu.
2. The screen displays a list of cards which you have added. If the list is empty, you will be prompted to create it. Press Confirm to create a card information. Press Cancel to exit.

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

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

Options	Description
Create	Create a new card information.
View	View details of the selected card.

Change	Edit the selected card information.
Delete	Delete the selected card information.
Delete all	Delete all the card information in the list.

4. The following shows the card categories:

- Boutique
- Restaurant
- Travel
- Credit Card
- Beauty
- Supermarket
- Superstore
- Book shop
- Entertainment
- Others

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 an 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 an 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.

Create new card information

Select Create to enter create new card information screen. You can create a maximum of 10 card information.

1. Press ◂ / ▸ to select a card type; after selection, press ▴ / ▾ to switch between the different input boxes: card issuer, card number, validity period, contact phone number and remarks.

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

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

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

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 function.

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. Enter the menu.
2. The cursor will be in the weight input box. Use the keypad to enter your weight. Press ▲ / ▼ to switch the cursor between weight and height input boxes.

The unit of measurement for weight is kilograms (kg) or pounds, 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.

3. 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*

4. After you have done the calculation, press *Clear* to clear the input boxes 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 x weight in kg) + (1.8 x height in cm) - (4.7 x age)
Male: BMR = 66 + (13.7 x weight in kg) + (5 x height in cm) - (6.8 x age)

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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 x 68) + (5 x 168) - (6.8 x 21) = 66 + 932 + 840 - 143 = 1695 calories.

1. Enter the menu.
2. The cursor will be in the gender selection box. Press ◂ / ▸ to select gender (Male/Female), press ▴ / ▾ to switch between age, weight, height input boxes 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.

3. 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 input boxes and the results of the calculation to perform another calculation.

Calendar

This menu displays the calendar. You can select Day view, Week view or Month view. You can create new appointment, view appointments list, delete or modify appointments in the calendar. The calendar stores the alarm 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 alarm (if needed), and the screen will display a prompt to indicate 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 press ⊖ to view the detailed information.

1. Enter the menu.
2. The options include: *New*, *Check* (this month), *Weekly*, *View all events*, *Delete all events*, *Delete expired events* and *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, such as subject, location, start date, start time, end date, end time, reminder and repetition.

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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

No reminder, At event time, 5 minutes before, 15 minutes before, 1 hour before, 1 day before and other (the reminder time can be set by you).

Repeat method

The phone provides the following repeat methods: once, daily, weekly, monthly and annually.

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.

Alarm

This phone supports 24-hour alarm.

The available options are:

Options	Description
Simple alarm	A simple alarm rings only once. Set the alarm status to On or Off. When set to On, you need to specify the alarm time.
Reccurent alarm	A recurrent alarm rings according to the day you specify in a week. For example, if you select Sunday and Monday, the alarm clock will ring every Sunday and Monday.
Alarm tone	Select an alarm tone.
Snooze mode	Select On or Off.

When the set alarm time is reached, the alarm will ring even if your phone is switched off. Press any key to disable the alarm and the mobile phone will be switched off automatically.

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Calculator

Your mobile phone has a built in calculator. Enter the numbers with the keypad.

Options	Description
▲	Addition
▼	Subtraction
▶	Multiplication
◀	Division
⊜	Equals
Options > +/-	To toggle between negative and positive figures.
Options > %	Add a % symbol.
⊡	Add a decimal point.

Voice recorder

This menu allows you to record a voice memo.
From the main menu, select *Tools* > *Voice recorder*.
To start recording, press ☐ or ⊜. During the process, the recorded time will be displayed in real time. To stop recording, press ☐ and the file will be saved in *My files* > *Audios*.

International clock

The International clock allows you to check the time of the major cities of the world. You can activate or deactivate the clock display in the *Clock status* sub-menu.

Local settings

To set the local time zone. The screen displays a world map with the current date and time. A vertical highlight in orange indicates the current zone on the map, and a text bar shows the display with 'GMT' and the current cities.
Move the highlight with ◀ / ▶ key to update other information in real time.
You can access the following options:

Select	Choose the current time zone as the local setting.
Set time	Open time editor screen.
Summer time	Turn daylight saving on or off.
City list	Open an information screen with a list of cities in the currently highlighted time zone.

Foreign settings

To set the foreign time zone. The operations and options are the same as Local time zone. However, *Set time* option is not available in the menu.

Stop watch

Your phone features a stop watch and the minimum unit is 0.1 second.

The starting time is 00:00.0, in the format "mm:ss.n", where mm stands for minutes of the watch, which can be any number from 0 to 59; ss stands for seconds, a number between 0 and 59; n stands for 0.x second, x being any number from 0 to 9. The stopwatch will start the timing when you press *Start* or ⊖. You can pause the timing, press *Pause*, to resume *Continue*, to stop the timing, press *Stop*.

Unit converter

This application allows you to convert many types of units such as exchange rate, acreage, energy, weight, power, pressure, temperature and volume.

You need to enter the conversion *Type*, *Amount*, *Unit*, *Convert to* and *Quantity*. Press ▲ or ▼ to switch between the different input boxes.

Countdown

This feature is very simliar to the alarm clock, except that you will be alerted of the remaining time, andthe phone will emit an alarm at the end of the count-down. The alarm tone is the same as your alarm clock. The minimum time is 1 minute. The format of the time is *hh:mm*, and the maximum time input is 23 hours 59 minutes 59 seconds.

You can start the countdown by pressing ⊖ key or the *Start*. To stop countdown, press *Stop*, to reset, press *Reset* and you can exit the menu by pressing the *Back*.

When the set time is up, the alert will start to ring and the ring type is the same with the alarm.

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.

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11. Contacts

Your phone features two phonebooks. The SIM phonebook is located on your SIM card and the number of 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 1000 (a namecard can consist of a name, 4 phone numbers, groups, email address, address, and postal code).
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 1000 name cards, provided other features in the phone such as Organizer, Schedules, Sounds, Pictures, and Videos, etc.) did not use up a large amount of the phone's memory space.

The space available for these fields on the SIM card may vary according to your operator or SIM card provider. If you want to be able to call your contacts while outside your home country network, enter the international prefix, country and area codes.

Create contacts

To create a new SIM/phone contact:

Enter *New Contact*	Press ⊖ and select *Contacts* > *New contact*.
Enter contact details	Enter the following for SIM card contacts. • *Name* • *Number* Enter the following for onboard phonebook contacts: • *First name* • *Last name* • *Mobile* • *Home* • *Work and etc*
Store the new contact	Press *Save*.

Note that to create a contact, you must enter at least a number.
Most of the fields are free-text, which means you can enter alphanumeric data using the text entry functions

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of your mobile phone (for more information on text entry, see "Text and number entry" on page 15).

Phonebook Options

In the phonebook, you can display the details of a contact by selecting it and pressing *Options* to view/edit more details:

Options	Description
View	View the details of the selected contact.
Send message	Send a *Text Message* or *Multimedia Message* to the contact.
Call	Call the contact.
Call Handsfree	Call the contact's number in handsfree mode.
Delete	Delete the contact.
Go to	Go to the website in the record (if available).
Set as default number	Set *Mobile number*, *Family number* or *Office number* as the default number (if record is in the phone).
Send namecard	Send the selected record: *Send by SMS*, *Send by MMS*, *Send by IRDA* or *Send by BT*.
Copy to SIM	Copy the phone entry to SIM card.
Copy to phone	Copy the SIM entry to phone.
Move to SIM	Similar to copy, but the source record will be deleted after copy.
Move to phone	Similar to copy, but the source record will be deleted after copy.
Set as ID image	Add a picture ID to the contact. This option is only available for contacts in the onboard phonebook.
Select multiple	Select one contact at a time or select all contacts.
Save location?	Select location for the new contact: *SIM card* or *Phone memory*.

View groups

The *View groups* feature allows you to organize your contacts so that you can associate images and/or ringtones with a group of contacts and send messages

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to all the members of the group. From the *Contacts* menu, select *View groups* and the list of groups is displayed.

View

Select a group and press *Options* > *View* to display the members of the group.

Group Options

Options	Description
View	Display the group members.
Rename	Rename the group.
Add picture	Add a picture to the group.
Send SMS	Send an SMS to members of a group.
Reset	Restore group to default settings.
Remove	Remove a contact from the group.

Special numbers

This menu allows you to keep a list of useful numbers such as own numbers, service numbers, voicemail and SOS numbers.

Options	Description
My numbers	*View*, *Edit* or *Delete* your own phone number.
Service numbers	This entry of the SIM phonebook allow you to select one of the available services provided by your operator and to copy it into the selected phonebook.
Voice mail number	Dial the number for your voice mail service provider.
Emergency call	Display emergency phone number.

Quick call

This feature allows you to set your 4 preferred or most frequently dialled numbers. You can then quickly call one of them by selecting the corresponding icon or picture on the screen, thereby eliminating the need to enter and browse the contact list.
You may edit a list of quick calls.

Enter *Quick call* menu	Press to enter the main menu from idle mode and select *Contacts* > *Quick call*.

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Go to the desired icon	Press the navigation keys.
Add a number to the selected location and then display all the contacts or return to the main menu.	*Add* or *Back*
Select a contact from the phonebook.	Press ▲ or ▼.
Confirm the added contact and add picture or Cancel.	Press *Done* or *Cancel*.

Advanced

This menu provides you with advanced features so that you can view and edit your contacts:

Options	Description
Choose contacts list	Switch between *SIM contacts*, *Phone contacts* or *SIM & phone contacts*.
Copy to SIM	Copy all the entries to SIM.
Copy to phone	Copy all the entries to Phone.
Move to SIM	Move all the entries to SIM.
Move to phone	Move all the entries to Phone.
Send all contacts	Send contact: *Send by IRDA* or *Send by BT*.
Delete all contacts	Delete all contacts.

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12. Profiles

Your mobile phone has been preconfigured with the following modes:

- *Personal* *(default)*
- *Car*
- *Flight*
- *Headset*
- *Home*
- *Meeting*
- *Outdoors*
- *Silent*

You can activate and modify all the modes, except *Flight* mode and *Silent* mode. These 2 modes can only be activated and viewed.

The profiles and their respective parameters are as follows:

Profiles	Ring level	Ring tone	Vibra	Key tone	Headset mode
Personal	Level 10	Tbd	On	On	No
Car	Level 9	Tbd	On	Off	No
Flight	Silence	Tbd	Off	Off	No
Headset	Level 8	Tbd	On	Off	Yes
Home	Level 5	Tbd	On	Off	No
Meeting	Silence	Tbd	On	Off	No
Outdoors	Level 10	Tbd	On	Off	No
Silent	Silence	Tbd	On	On	No

Profile selection

To select a different profile:

Go to *Profiles* menu	Press ⊖ to enter the main menu from idle mode and select *Profiles*.
Select the desired profile.	Press ▲ or ▼.
Enter the *Options* menu	Press *Options*. You may select: • *Activate*: To activate the profile. • *Personalise*: To modify the setting in the profile.

Personalise settings

The available options include:

Options	Description
Ringer level	Select from 10 volume levels.

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Ringtone	Select the ringtone for *Incoming call*, *Alarm*, *Appointments*, *Messages* or *Cell info*.
Alerting type	Select an alert type: *Ring only*, *Vibrate only*, *Ring & Vibrate*, *Vibrate then ring* or *None*.
Key sound	Turn the key sound *On* or *Off*.
Low-battery warning	Turn battery low warning alert *On* or *Off*.
Headset function	Turn headset function *On* or *Off*.

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13. Connectivity

Your phone allows you to connect to a variety of external devices via infrared, Bluetooth, USB, CSD, or GPRS. This menu provides you with more features to set up a connection with these external devices.

IRDA

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.

This device is a Class 1 Laser product. Do not expose your eyes directly to the IR (infrared) beam, and never allow it to interfere with other IR devices.

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 ⊙ to confirm and send the selected data.

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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

To receive data, select *Connectivity* > *IRDA* > *Receive*. Your mobile phone is then ready to receive an item and waits for the other IrDA device to send it. During data transmission, a process bar is displayed. The received data will be automatically saved in *My Files* when the transmission is completed.

If the received data is a picture file, it will be stored in *My files* > *Pictures*. If the received data is a vCard, it will be stored in the phonebook of the mobile phone. If several documents are received at the same time, where errors exist in some documents and they cannot be received, the transmission will stop and the received documents are saved. If the file extension is not recognized, the information screen *Unknown type. Saved to Others* is displayed.

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 by pressing the key.

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 by your network operator), carry out data synchronization with your PC (requires software tool), etc. To activate, press to enter the main menu from idle mode and then select *Connectivity* > *Modem*.

Bluetooth

Your phone supports Bluetooth wireless technology, allowing connection to a compatible Bluetooth device. The Bluetooth connection can be subjected to interference from obstructions such as walls or other electronic devices.

To use Bluetooth connection, the device with which you want to establish a connection with must support Bluetooth function. Please contact the device's manufacturer or its accompanied documentation.

Establish a Bluetooth connection

To activate, press to enter the main menu from idle mode and then select *Connectivity* > *Bluetooth*. On the

Bluetooth screen, select *Activate*. Next, select *Search device*. When the list of devices appears, press ☞ to select the device you wish to establish a connection with.

If you do not intend to the Bluetooth feature for some time, you should deactivate it in order to conserve battery power.

Bluetooth menu

Options	Description
Activate	Turn Bluetooth feature *On* or *Off*
Search device	Search for the external devices that you can connect to.
My devices	Display the bluetooth devices that you can connect to. You can select the desired device by pressing ☞ in the devices list. You can also open the *Options* menu of the device. The 3 options are: *Rename*, *Delete*, and *Profiles*."
Settings	Select to display more features: • *My name* • *Show my phone* • *My profiles*

When searching for a device, you are presented with a list of any devices discovered within the range of your Bluetooth-enabled phone. As soon as you select a device and a connection is made, you are prompted to enter a passkey in order to pair with the device. This passkey is supplied by the manufacturer of the other Bluetooth device. Refer to its documentation for further information. The passkey feature ensures that only legitimate connections are allowed to connect either to your device or to the selected device.

USB function

This feature allows you to connect your phone to a PC or a Webcam via USB. To apply the feature:

Press	To
☞ *Select*	From main menu, select *Connectivity* > *USB function*.

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▲or▼ Navigate through *USB drive*, *Webcam* and *PC software*. Your mobile phone will then behave like a USB drive, a Webcam or perform PC connections with the Mobile Phone Tools, respectively. If you connect your phone to the computer via PC software, you can transfer files up to 350KB. If you connect your phone to the computer via USB drive, you can access your memory card and the size of the file transfer is unlimited until your memory is full.

USB drive This menu allows you to upload and download music (MP3 and Midi), videos and pictures via the USB cable.

Webcam This menu allows you to chat with your friends via network conferencing.

PC software It offers an instant sychronization between your mobile phone and your computer, and enables you to backup your mobile phone data on the computer and recover the data saved in the computer, upload and download files, send and receive SMS and edit your mobile phone contacts.

Select Select to connect to the desired device.

When the transfer is finished, please make sure that you safely remove your device by clicking .

Memory card

You can uninstall or format the memory card.

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14. Calls

Most options described in this chapter are operator and/or subscription dependent and require either a PIN2 code or a phone code. For more information o PIN codes, see "Security" on page 71.

Call history

This menu provides you with a list of calls you have missed, answered and made. The calls include *All calls*, *Missed calls*, *Answered calls* and *Outgoing calls*, which are displayed in chronological order with the most recent call at the top of the list. Select a call from one of the lists and press *Options* to access the following:

Options	Description
Extract number	Extract the sender's phone number or a number included in the message itself.
Save	Save the number if the number is not in the Contacts list.
Delete	Delete the selected number from the list.
Call	Call the selected number.
Send message	Send a message to the selected number. You can send by *SMS* or *MMS*.
Edit	Open the contacts list and edit the number if it is in the contacts list.
IP dialing	Open IP outgoing call screen.

Clear history

This menu allows you to clear the call history in: *Outgoing*/*Answered*/*Missed*/*All calls*. Press *Confirm* to confirm deletion and *Back* to cancel deletion.

Call settings

This menu allows you to configure the call settings:

Options	Description
Auto answer	Turn *Auto answer* on/off. When this function is on, the incoming call will be answered automatically after 10 seconds.

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Any key answer

Turn *Any key answer* on/off. When this function is on, you can answer incoming calls by pressing any key, except and keys.

Minute reminder

Select *On* or *Off* to activate or deactivate the minute reminder during a call. The default is *Off* and the default setting is 45 seconds.

Call services

The available options include:

Call metres: Display the duration of your calls and their charges: *Total incoming call*, *Total outgoing call* and *Total calls*.

Call waiting: Select *On* or *Off*, or check *Status*.

This feature is network/ subscription dependent.

Hide ID: Select *On* or *Off*. If you select *On*, then your phone number or identity will not be displayed to the called party.

This feature is network/ subscription dependent.

Caller ID: Select to display the identity of your caller.

This feature is network/ subscription dependent.

Charge information setting: This option is available only when the charge information is included in your SIM card. You can view information of the current call and all recent calls. You need to enter the PIN2 code to manage total call credit, maximum total call credit and unit rate.

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Call divert

Set the following call divert options: *All voice calls*, *If out of reach*, *If no reply*, *If busy*, *All data calls*.

- When *All voice calls* is on, all incoming calls will be diverted to the pre-set number without any reminder.
- When *If out of reach* is on, incoming calls will be diverted to the pre-set number when the user is not connected to the network.
- When *If no reply* is on, incoming calls will be diverted if the user does not answer.
- When *If busy* is on, calls will be diverted if the user is already online or if the call is rejected.
- When *All data calls* is on, all data calls will be diverted to the pre-set number without any reminders.
- You can also check *Status* of your call diverts or *Cancel all* call diverts.

Call barring

This menu allows you to limit the use of your phone to specific calls by preventing the reception or making of different types of calls. To activate call barring, you need to enter a communication limit code. This PIN2 code will then be sent to the network for validation.

Note that this operation only supports GSM calls.

The types of calls you can bar are as follows:

- *All outgoing calls*
- *All international calls*
- *Only here & home*
- *All incoming calls*
- *Incoming if abroad*

You can also check *Status* of your call barring or *Cancel all* call barring.

IP dial

Select *On* or *Off*. If you select *On*, you need to enter the IP number.

This feature is only available in Chinese mainland and Hong Kong.

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15. Settings

You can configure your Philips 598 mobile phone to best suit your usage preference. You can configure the following settings: *General*, *Sounds*, *Display* and *Connectivity*.

Enter the menu	Press ⊖ to enter the main menu from idle mode and select *Settings*.
Select a settings menu	Press ◂ or ▸.
Enter the menu options	Press ▴ or ▾.

General

This menu allows you to configure some general settings:

Options	Description
Active flip	Select *On* or *Off*. You can change the current selection by pressing ☞. When you select *On*, you can answer an incoming call simply by opening the flip.
Language	Set the display language of the phone.
Time & date	*Display time*: Select *On* or *Off*. When you select *On*, the time information will be displayed in idle screen. *Time zone*: Change the time zone. *Set time*: Set the time in the format *HH:MM*. *Set date*: Set the date. *Time format*: Set the time format as *24 hours* or *12 hours*. *Date format*: Set the date format as *YYY/MM/DD*, *YYYY.MM.DD*, *DD.MM.YYYY*, *YYYY-MM-DD* or *DD-MM-YYYY*. *Power-on time*: Set a time for the phone to be switched on. You can select *On* or *Off*. When you select *On*, you need to enter the time you want your phone to be switched on. *Power-off time*: same as above.

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Security	*PIN protection*: Select *On* or *Off*. When you select *On*, you need to enter the PIN code when you switch on the phone. *The default PIN code is 0000.* *Change PIN*: Modify the PIN code. *Change PIN2*: Modify the PIN2 code. *Safe guard*: You can safeguard important information on your phone by activating safeguard. You can also change the password of safeguard. *The default safeguard password is 0000.*
Shortcuts	Displays a list of shortcut features. You can set a new shortcut key by establishing a link between a certain feature and a numeric or navigation key. You can also change or delete an existing shortcut key.
Default storage	Set the default storage location: *Phone memory* or *Memory card*.
Memory status	You can check the memory status of *Contacts*, *Messaging* and *My files*.
Default settings	Restore your phone settings to the default values.

Display

You may configure your phone with different display settings:

Options	Description
Wallpaper	Turn wallpaper display *On* or *Off*.
Themes	Select a theme for your phone.
Backlight level	Select from 4 backlight levels. You can select the backlight level by pressing ▲ or ▼ keys. Press OK or ⌐ to confirm.
Backlight duration	Select backlight duration from *60 seconds*, *30 seconds* and *15 seconds*.

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Greeting	Turn greetings *On* or *Off*. When you select *On*, you can edit the greetings message.

The maximum length of greetings is 20 Chinese words or 50 English characters

Sounds

You can set your phone to operate with different sound profiles. For details, see "Profiles" on page 61.

Options	Description
Alert type	You can select *Ring only*, *Vibrate only*, *Ring & vibrate*, *Vibrate then ring* or *None*.
Ringtones	Select the ringtone for *Contact calls*, *Appointments*, *Messages*, *Cell info*, *Alarm* and *Other calls*.
Ring volume	Select from 10 volume levels.
Key sound	Turn key sound *On* or *Off*.
Shutter sound	Select from 3 shutter sounds. You can also select *Off*.
Low-battery warning	Turn warning *On* or *Off*.

Connectivity

Call settings

For more information, see "Call settings" on page 67.

Message settings

For more information, see "Message Setting" on page 41.

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.

Select network

It will vary according to the search mode you have selected. If you select *Automatic* the network will be searched automatically. If you select *Manual*, the search will commence only when you confirm to start searching.

Search mode

You can select *Automatic* or *Manual*.

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Preferred Network

Preferred network list is stored in the SIM card. It specifies the priority by which your 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 ⊙.
3. Press ⊙ or *OK* to enter the preferred network list. The most preferred network will be at the top of the list.
4. Press ▲/▼ to select a certain network and press ⊙ or *Select*.
5. You can then select to *Insert*, *Add to end* or *Delete* the selected network.

Select band

Select band enables you to change the bandwidth used by the phone (eg. 900/1800/1900 MHz)

Browser

Various parameters relative to browser can be set under this option, including WAP parameters and Push message.

WAP profiles

You can set up to 5 groups of WAP profiles. You can then activate and use one of the profiles. At the same time, you can edit or directly connect to the address. Select *Edit* to access the following settings:

- *Name*: A name to identify the server.
- *IP address*: The numeric address of the server in **nnn.nnn.nnn.nnn** format.
- *Port*: The port number on the server. The number is usually 9201.
- *Homepage*: The URL of the homepage.
- *Linger time*: The duration your phone stays connected to the WAP.
- *Connection*: Select *GPRS* or *CSD* connection.
- *CSD profiles*: Select *CMCC*, *WAP*, *CSD*, etc.
- *GPRS profiles*: Select *CMCC*, *WAP*, *CSD*, etc.

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Icons & Symbols

In idle mode, several icons and symbols can be simultaneously displayed on the screen. The status, network and battery icons are displayed all the time. The rest of the icons are displayed if the feature is available, and not displayed if the feature is unavailable.

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.

	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).
	Account2 - This icon indicates the second account.
	Battery - Indicates battery level with 5 battery level indicator bars. When charging, a scrolling icon will be displayed.
	Status - Indicates the profile of the phone. These include: personal mode (default), car mode, flight mode, headset mode, home mode, meeting mode, outdoors mode, and silent mode.
	International roaming - Displayed when your phone is registered to a network other than your own.
	Whether to log on GPRS - 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.
	SMS - Indicates that you have at least one unread message. The first icon indicates the memory is full, while the second icon indicates that there is unread SMS while the memory is full.
	Voicemail- Indicates voice messages that have not been heard.

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	Alarm Clock - Indicates that the alarm clock is activated.
	Vibration - Your phone will vibrate when there is an incoming call or when the alarm clock rings.
	Call Forwarding - Indicates that the call forwarding function is activated.
	Silence - Indicates that silent mode is activated.
	Bluetooth - Indicates that Bluetooth is activated.
	Irda - Indicates that Irda is activated.

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Precautions

Radio Waves

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).

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 unauthorized 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.

Change your 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

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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.

Pacemakers

If you have 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 breast pocket.
- Use the ear opposite to the pacemaker to minimize 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.

Improved performance

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.

Battery information

- 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 battery and accessories, as the use of any other accessories may damage your phone and may be dangerous, and will make all guarantees for your Philips phone null and void. The use of an incorrect type of battery may also cause an explosion.

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

Speaking on the telephone while driving lowers your 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.
- 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.

EN60950 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 the 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 labeled 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 plastic material).

Troubleshooting

The phone does not switch on

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

Your phone doesn't return to the idle screen

Long press the hangup key or switch off the phone, check that the SIM card and the battery have been 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 the 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 the 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 don't allow message exchanges with other networks. First check that you entered the number of your SMS centre, or contact your operator for detailed information on this subject.

You have the feeling that you miss some calls

Check your call divert options.

The display shows INSERT SIM

Check that the SIM card has been inserted correctly. If the problem remains, 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. Therefore, they are only available if the network or your subscription supports them. Contact your operator for detailed information on this subject.

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 accessories in your mobile phone package. 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 connect kit

Provides easy data connection to your Philips mobile phone. The USB cable enables high-speed communication between your phone and your computer. The provided software allows you to download pictures and melodies and to synchronize your contacts and appointments.

Trademark Declaration

JAVA is a trademark of Sun Microsystems, Inc.

Tegic Euro. Pat. App. 0842463

T9® is a trademark of Tegic Communications Inc.

Specific Absorption Rate Information International Standards

This model phone meets the government's requirements for exposure to radio waves.
This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model phone as reported to the FCC when tested for use at the ear is 0.219W/kg and when worn on the body, as described in this user guide, is 0.414 W/kg (Body-worn measurements differ among phone models, depending upon available enhancements and FCC requirements.)

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID: RXSCT0598.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 1.5 cm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do no t use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1.5 cm from your body when the phone is switched on.

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, COMMERIAL 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 POSSIBILTY 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.

FCC Regulations:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The user shall not make any changes or modifications to the product not expressly approved by Philips as these could take the equipment out of compliance and could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.