



ENGLISH



KU380 | USER GUIDE |

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This document is the user guide for the LG KU380 3G Video Mobile Phone.

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LG Electronics Inc.
<http://www.lgmobile.com>

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LG Electronics Inc.

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English

| KU380 | User Guide

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Introduction

Congratulations on your purchase of the advanced and compact KU380 3G video mobile phone, designed to operate with the latest digital mobile communication technology.



This user's guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage to or misuse of the phone. Any changes or modifications not expressly approved in this user's guide could void your warranty for this equipment.

Use of phone cases with magnetic locks with slide type phones has caused problems such as loss of network signal and phones powering off.

For Your Safety

Please read these simple guidelines. Not following these guidelines may be dangerous or illegal. Further detailed information is given in this manual.

WARNING!

- *Mobile Phones must be switched off at all times in aircrafts.*
- *Do not hold the phone in your hand while driving.*
- *Do not use your phone near petrol stations, fuel depots, chemical plants or blasting operations.*
- *For your safety, use ONLY specified ORIGINAL batteries and chargers.*
- *Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.*
- *Keep the phone in a safe place out of small children's reach. It includes small parts which, if detached, may cause a choking hazard.*

CAUTION!

- *Switch off the phone in any area where required by special regulations. For example, do not use your phone in hospitals or it may affect sensitive medical equipment.*
- *Emergency calls may not be available under all mobile networks. Therefore, you should never depend solely on your mobile phone for emergency calls.*
- *Only use ORIGINAL accessories to avoid damage to your phone.*
- *All radio transmitters carry risks of interference with electronics in close proximity. Minor interference may affect TVs, radios, PCs, etc.*
- *Batteries should be disposed of in accordance with relevant legislation.*
- *Do not dismantle the phone or battery.*

Guidelines for Safe and Efficient Use

Please read these simple guidelines. Not following these guidelines may be dangerous or illegal. Further detailed information is given in this manual.

Certification information (SAR)

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

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

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg*. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the device. Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person. The highest SAR value for this device when tested for use at the ear is 0.929 W/kg.

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 cm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 1.5 cm away from your body. In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed. The highest SAR value for this device when tested for use at the body is 1.46 W/kg.

* The SAR limit for mobile devices used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For SAR information in other regions

please look under product information at www.lgmobile.com.

Product care and maintenance

WARNING!

Only use batteries, chargers and accessories approved for use with this particular phone model. The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

- ▶ Do not disassemble this unit. Take it to a qualified service technician when repair work is required.
- ▶ Keep away from electrical appliances such as a TV's, radios or personal computers.
- ▶ The unit should be kept away from heat sources such as radiators or cookers.
- ▶ Never place your phone in a microwave oven as it will cause the battery to explode.
- ▶ Do not drop.
- ▶ Do not subject this unit to mechanical vibration or shock.

Guidelines for Safe and Efficient Use

- ▶ The coating of the phone may be damaged if covered with wrap or vinyl wrapper.
- ▶ Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing a fire.
- ▶ Do not subject this unit to excessive smoke or dust.
- ▶ Do not keep the phone next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- ▶ Do not tap the screen with a sharp object as it may damage the phone.
- ▶ Do not expose the phone to liquid or moisture.
- ▶ Use accessories, such as earphones and headsets, with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.
- ▶ Please remove the data cable before powering on the handset.

Efficient phone operation

To enjoy optimum performance with minimum power consumption please.

- ▶ Do not hold the antenna when the phone is in use. If you hold it, it can affect call quality, it may also cause the phone to operate at a higher power level than needed and shorten talk and standby times.

Electronic devices

All mobile phones may get interference, which could affect performance.

- ▶ Do not use your mobile phone near medical equipment without requesting permission. Avoid placing the phone over pacemakers (i.e. in your breast pocket.)
- ▶ Some hearing aids might be disturbed by mobile phones.
- ▶ Minor interference may affect TVs, radios, PCs, etc.

Road safety

Check the laws and regulations on the use of mobile phones in the areas when you drive.

- ▶ Do not use a hand-held phone while driving.
- ▶ Give full attention to driving.
- ▶ Use a hands-free kit, if available.
- ▶ Pull off the road and park before making or answering a call if driving conditions so require.
- ▶ RF energy may affect some electronic systems in your motor vehicle such as a car stereo or safety equipment.
- ▶ If your vehicle is equipped with an air bag, do not obstruct it with installed or portable wireless equipment. It can cause serious injury due to improper performance.

If you are listening to music whilst outside and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is particularly imperative when attempting to cross the street.

Avoid damage to your hearing

Damage to your hearing can occur if you are exposed to loud sound for long periods of time. We therefore recommend that you do not turn on or off the handset close to your ear. We also recommend that music and call volumes are set to a reasonable level.

Blasting area

Do not use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.

Potentially explosive atmospheres

- ▶ Do not use the phone at a refueling point. Don't use near fuel or chemicals.
- ▶ Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle, which contains your mobile phone and accessories.

Guidelines for Safe and Efficient Use

In aircraft

Wireless devices can cause interference in aircraft.

- ▶ Turn off your mobile phone before boarding any aircraft.
- ▶ Do not use it on the ground without crew permission.

Children

Keep the phone in a safe place out of small children's reach. It includes small parts which if detached may cause a choking hazard.

Emergency calls

Emergency calls may not be available under all mobile networks. Therefore, you should never depend solely on your mobile phone for emergency calls. Check with your local service provider.

Battery information and care

- ▶ You do not need to completely discharge the battery before recharging. Unlike other battery systems, there is no memory effect that could compromise the battery's performance.
- ▶ Use only LG batteries and chargers. LG chargers are designed to maximize the battery life.
- ▶ Do not disassemble or short-circuit the battery pack.
- ▶ Keep the metal contacts of the battery pack clean.
- ▶ Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times until it needs replacing.
- ▶ Recharge the battery if it has not been used for a long time to maximize usability.

- ▶ Do not expose the battery charger to direct sunlight or use it in high humidity, such as the bathroom.
- ▶ Do not leave the battery in hot or cold places, this may deteriorate the battery performance.
- ▶ Risk of explosion if battery is replaced by an incorrect type.
- ▶ Dispose of used batteries according to the manufacturer's instructions.
- ▶ For use only with battery LG Electronics, KU380.
- ▶ Use a hands free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
- ▶ Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
- ▶ Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
- ▶ If possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when you will not be driving.
- ▶ Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

Driver Safety Tips

Your wireless telephone gives you the powerful ability to communicate by voice - almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

- 
- ▶ Use your wireless phone to call emergency services for yourself or others.
In the case of fire, traffic accident or medical emergencies;

- Australia: Dial 0-0-0,
- New Zealand: Dial 1-1-1,
- International: Dial 1-1-2,
- other local emergency number.

Remember, it is a free call on your wireless phone for emergency services.

- ▶ Use your wireless phone to help others in emergencies, if you see an auto accident crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.

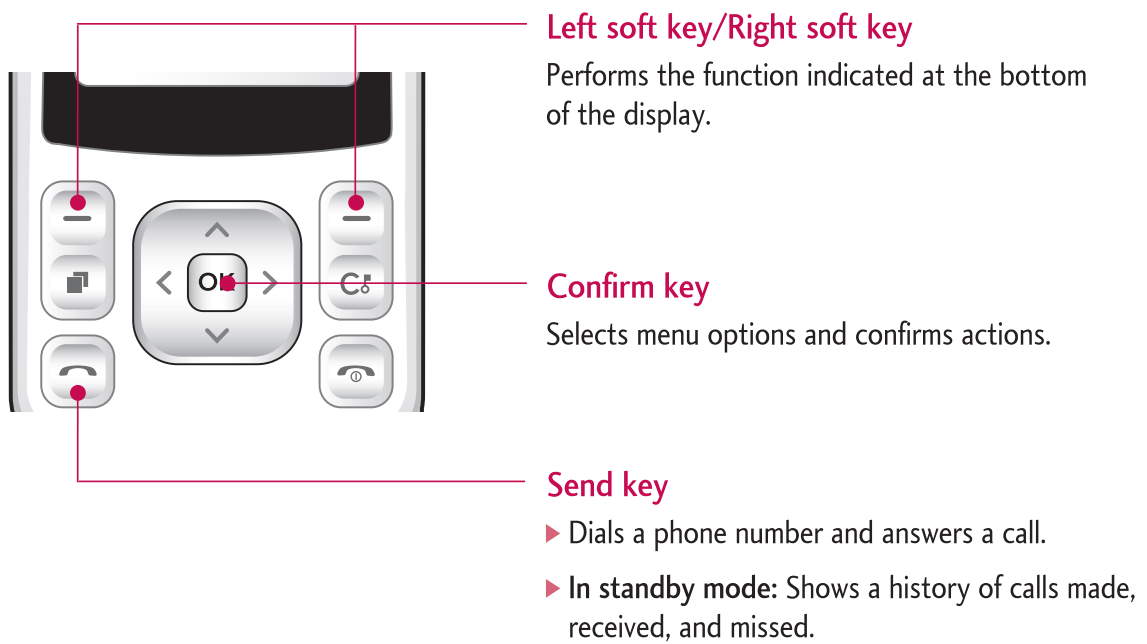
KU380 Features

Parts of the phone

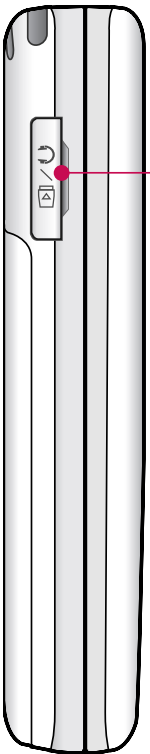
Open view



KU380 Features



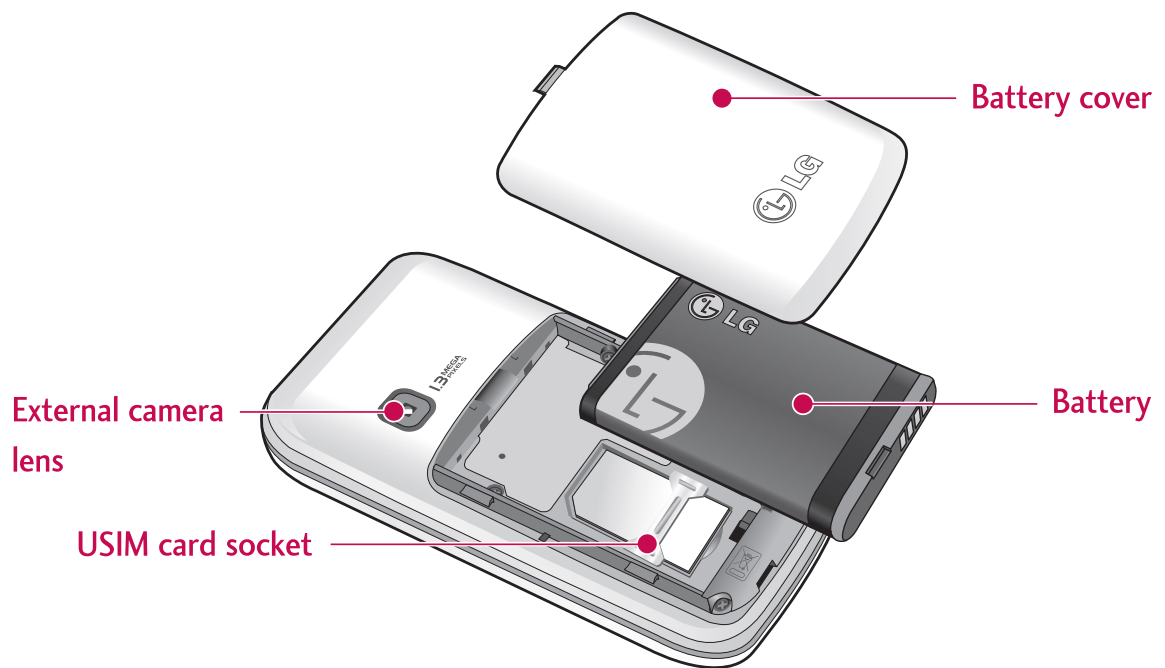
Left side view



Headset/Charger/Cable connector

KU380 Features

Rear view

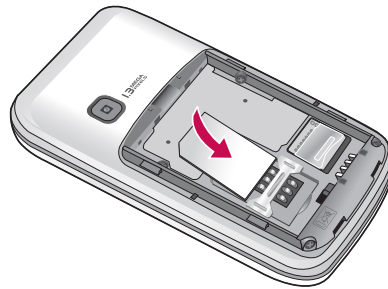


Getting Started

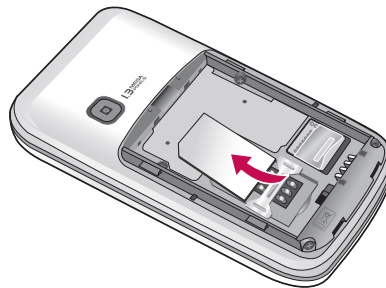
Installing the USIM card and battery

1. Installing the USIM card.

Your USIM card contains your phone number, service details and contacts and must be inserted into your handset. If your USIM card is removed then your handset becomes unusable (except for emergency calls) until a valid one is inserted. Always disconnect the charger and other accessories from your handset before inserting and removing your USIM card. Slide the USIM card into the USIM card holder. Make sure that the USIM card is properly inserted and the gold contact area on the card is facing downwards. To remove the USIM card, press down lightly and pull it in the reverse direction.



To insert the USIM card



To remove the USIM card

Note

- ▶ The metal contact of the USIM card can easily be damaged by scratches. Pay special attention to the USIM card while handling. Follow the instructions supplied with the USIM card.

Getting Started

2. Installing the battery.

Slide the battery upwards until it snaps back into place.



3. To remove the battery.

Turn the power off. (If the power is left on, there is a chance you could lose the stored telephone numbers and messages.)

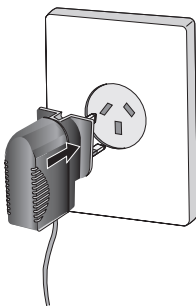
Press and hold down the battery release button and slide the battery down.

Charging the Battery

Before connecting the travel adapter to the phone you must first install the battery.



1. With the arrow facing you as shown in the diagram push the plug on the battery adapter into the socket on the left side of the phone until it clicks into place.
2. Connect the other end of the travel adapter to the mains socket.



Note

- ▶ Only use the charger included in the box.

3. The moving bars on the battery icon will stop after charging is complete.
4. Ensure the battery is fully charged before using the phone for the first time.

CAUTION!

- Do not force the connector as this may damage the phone and/or the travel adapter.
- If you use the battery pack charger when abroad, use an attachment plug adaptor for the proper configuration.
- Do not remove your battery or the USIM card while charging.

WARNING!

- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- Make sure that no sharp-edged items such as animal teeth or nails, come into contact with the battery. This may cause a fire.

Getting Started

Disconnecting the charger

Disconnect the travel adapter from the phone as shown in the diagram below.



How to use a microSD memory card

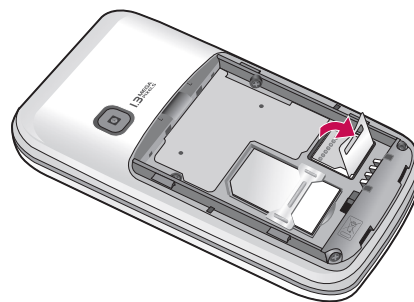


<MicroSD memory card>

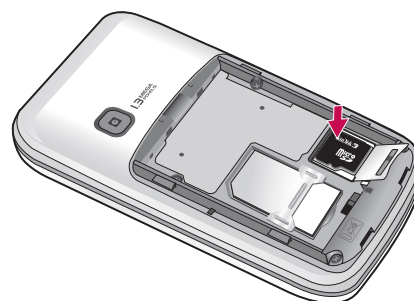
<How to insert a microSD memory card>

1. Turn the phone off. Inserting or removing the microSD when the phone is on may damage the files stored in the memory card.

2. Lift the plastic cover which protects the microSD slot.



3. Insert the memory card into the slot. The gold contacts must be kept on the back of the microSD. Don't push the microSD too much. If it doesn't go into the slot easily, you may be trying to insert it in the wrong way or there could be a foreign object in the slot.
4. Once inserted, push the memory card until you hear a **Click**, meaning that the microSD has been correctly engaged.



5. Close the plastic slot protection.
6. To remove the memory card, turn the phone off, open the slot protection and push the microSD to unlock it. Carefully extract the memory card.

Attention:

- ▶ Avoid using the Flash Memory Card when the battery is low.
- ▶ When writing to the card, wait for the operation to complete before removing the card.
- ▶ The card is designed to fit easily into the system one way only.
- ▶ Do not bend the card or force it into the slot.
- ▶ Do not insert any memory cards other than those made by microSD.
- ▶ If the microSD has been formatted using FAT32, format the microSD using FAT16 again.

For more information on the microSD, please refer to the memory card instruction manual.

Memory card formatting

Before you start to use the memory card you have to format it. After you insert the memory card, select **Menu** → **Settings** → **Memory manager** → **External memory**, then press  the left soft key.

This operation should only be done when you insert the memory card for the first time. During formatting various folders will be created for different data types.

Turning the handset on/off

Turning your handset on

Ensure that your USIM card is in your handset and the battery is charged. Press and hold  until the power comes on. Enter the USIM PIN code that was supplied with your USIM card if the **PIN code request** is set to **On**. (Note: Please refer to page 92)
After a few seconds you will be registered on the network.

Getting Started

Turning your handset off

Press and hold  until the power goes off. There may be a few seconds delay while the handset powers down. Do not turn the handset on again during this time.

Access codes

You can use the access codes described in this section to avoid unauthorised use of your phone. The access codes (except the PUK and PUK2 codes) can be changed by using the **Change codes** feature [Menu 7.7.3].

PIN code (4 to 8 digits)

The PIN (Personal Identification Number) code protects your USIM card against unauthorised use. The PIN code is usually supplied with the USIM card. When the **PIN code request** is set to **On**, your phone will request the PIN code every time it is switched on. When the **PIN code request** is set to **Off**, your phone connects to the network directly without the PIN code.

PIN2 code (4 to 8 digits)

The PIN2 code, supplied with some USIM cards, is required to access functions such as **Fixed dial number**. These functions are only available if supported by your USIM card.

PUK code (8 digits)

The PUK (PIN Unblocking Key) code is required to unblock a blocked PIN code. The PUK code may be supplied with the USIM card. If not, contact your network operator's customer service department for the code. If you lose the code, contact your network operator's customer service department.

PUK2 code (8 digits)

The PUK2 code, supplied with some USIM cards, is required to unblock a blocked PIN2 code. If you lose the code, contact your network operator's customer service department.

Security code (4 digits)

The security code prevents unauthorised use of your phone. The default security code is set to '0000' and the security code is required to delete all phone entries and to restore the handset to the factory settings.

Display information

No USIM idle screen

This is the initial screen of the phone that appears when there is no USIM card installed in the phone, or the installed USIM card is invalid. In this screen, users can only make emergency calls, and turn the phone off. To turn the phone off, press and hold down  for a few seconds.

Screen structure

If there is no USIM card installed, an animation telling you to insert a USIM card appears. If the USIM card inserted into the phone is invalid, an animation telling you that the USIM card is locked appears.

Emergency call function

The right soft key is represented by "Emergency" on the screen. Press the

right soft key or dial your emergency number using the number keys, and then press  to make an emergency call.

Idle screen

The idle screen appears when you have installed a proper USIM card and turned the phone on.

Screen structure

Idle screen consists of the operator's name, indicators, date and time on a background image. You can change the wallpaper in the **Screen theme** menu.

Numbering screen

The numbering screen appears when a number key is pressed in the idle screen.

Screen structure

The numbering screen consists of status indicators, dialled number and soft menu. Status indicators are the same as those of the idle screen. You can change the size and colour of the dialling font in the **Screen theme** menu. You can make a call while dialling a phone number by pressing .

Getting Started

Soft key

You can use the soft keys for several functions while dialling a number. Using the left soft key, you can make a video call, send a message to the number, save the number to Contacts, search contacts.

Handset lock screen

When the **Handset lock** function is selected, you can only make an emergency call, release the lock, and turn off the phone in this screen. As always, you can turn the phone off by pressing and holding  for a few seconds.

Screen structure

The screen structure of the Handset lock screen is the same as that of the idle screen.

Emergency call function

You can make an emergency call using the right soft key. As with the **No USIM idle screen**, only emergency numbers can be dialled.

Unlock function

If you press any key except the right soft key and number keys, a popup. a popup screen appears asking you to

input the Security code to unlock the phone. The Security code is configured in the **Change codes** (#. Settings → 6. Security → 3. Change codes). If you key in an incorrect Security Code, the phone will remain in **Handset lock** status. If you key in the correct Security code, the phone will be unlocked, and the idle screen will be displayed. If you have turned the phone off in the **Handset lock** status, you will find the phone remains in **Handset lock** status when you turn it on.

Barring password

This service obstructs calling service in some conditions. This condition can be edited using the **Call barring** feature (2. Calling → 7. Call barring). The barring password is required when you use the call barring function. The password is obtained from your network operator's customer service when you subscribe to this service. While this service is activated, the caller will hear the information message that the call is not connected because of the call barring.

General Functions

Making and answering calls

Making a voice call

1. Enter the number including the full area code.
 - ▶ To delete a digit press .
 - To delete all digits press and hold .
2. Press  to make the call.
3. Press  to finish the call, or close the handset.

Note

- ▶ To activate the speakerphone during a call, press .

Making a call from the call logs

1. In standby mode, press  and the latest incoming, outgoing and missed phone numbers will be displayed.
2. Select the desired number by using  / .
3. Press  to call the number.

Making a video call

You can make a video call in a 3G covered service area. If the called user has a 3G video phone in a 3G covered service area, the call will be established. You can also answer a video call for video incoming call. To make/answer a video call, do the following.

1. Input the phone number using the keypad, or select the phone number from the calls made/received lists.
 - ▶ To correct mistakes, press  briefly to delete the last number, or press and hold  to delete all numbers.
2. If you do not want to use the speakerphone, ensure you have the headset plugged in.
3. To start the video function, press the left soft key [Options] and select **Make video call**.
 - ▶ You will be notified that you will need to close other applications to make the video call.

General Functions

Note

- ▶ The video call may take some time to connect. Please be patient. The connection time will also depend on how quickly the other party answers the call. While the video call is connecting, you will see your own image; after the other party has answered, their image will be displayed on the screen.

4. Adjust the camera position if necessary.
5. Press  to finish the call, or close the handset.

Making a voice/video call from Contacts

It is easy to call anyone whose number you have stored in your Contacts.

1. Press  to access the contacts list.
2. Scroll to the contact to make a call.
3. Press  to make a voice call. Press the left soft key and select **Make video call** to make a video call.
4. Press  to finish the call.

Making international calls

1. Press and hold  for the international prefix. The '+' character prefixes the international access code.
2. Enter the country code, area code, and the phone number.
3. Press .

Answering a call

When you receive a call, the phone rings and the flashing phone icon appears on the screen. If the caller can be identified, the caller's phone number (or name if stored in your Contacts) is displayed.

1. Open the slider to answer an incoming call.

Note

- ▶ To reject an incoming call, press  or the right soft key twice.
- ▶ If you set **Answer mode** as **Press send key** (Menu 2.0.4), you can answer the call by pressing  after opening the slider.
- ▶ If the answer mode is set to **Press any key**, any key will answer a call except for .

2. End the call by closing the handset or pressing .

Note

- ▶ You can answer a call while using the Contacts or other menu features.
- ▶ When the compatible headset is connected, you can also answer a call using the headset key, as well as using the phone. To reject an incoming call, press .
- ▶ You can mute the ringtone when a call comes in by pressing the .

Shortcut to activate vibrate mode

You can activate the vibrate only mode by pressing and holding down  after opening the phone.

Signal strength

You can check the strength of your signal by the signal indicator on the LCD screen of your phone. Signal strength can vary, particularly inside buildings. Moving close to a window may improve reception.

Entering text

You can enter alphanumeric characters using the keypad.

For example, storing names in Contacts, writing a message, creating a personal greeting or scheduling events in the calendar all require entering text.

The following text input methods are available with the handset.

General Functions

T9 mode

This mode lets you enter words with only one keystroke per letter. Each key on the keypad has more than one letter. The T9 mode automatically compares your keystrokes with an internal dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional ABC mode. This is sometimes known as predictive text. If you press  key for a long time, you can activate or cancel T9 mode.

ABC mode

This mode lets you enter letters by pressing the key labelled with the required letter once, twice, three or four times until the letter is displayed.

123 mode (Number mode)

Type numbers using one keystroke per number.

Changing the text input mode

1. When you are in a field that allows characters to be entered, you will notice the text input mode indicator in the upper right corner of the LCD screen.
2. If T9 is on, you can change the mode to T9Abc, T9ABC, 123, T9abc by pressing . When T9 is off, the mode will be changed to Abc, ABC, 123, abc.

Using the T9 Mode

The T9 predictive text input mode allows you to enter words easily with a minimum number of key presses. As you press each key, the handset begins to display the characters that it thinks you are typing based on a built-in dictionary. As new letters are added, the word changes to reflect the most likely candidate from the dictionary.

1. When you are in the T9 predictive text input mode, start entering a word by pressing  to . Press one key per letter.

- ▶ The word changes as letters are typed. Ignore what's on the screen until the word is typed completely.
- ▶ If the word is still incorrect after typing completely, press  once or more to scroll through the other word options.

Example

Press     to type **Good**.

Press  to get **Home**.

- ▶ If the desired word is missing from the word choices list, add it by using the ABC mode.
2. Enter the whole word before editing or deleting any keystrokes.
 3. Complete each word with a space by pressing .

To delete letters, press .

Using the ABC Mode

Use  to  to enter your text.

1. Press the key labelled with the required letter:
 - ▶ Once for the first letter.
 - ▶ Twice for the second letter.
 - ▶ And so on.

2. To insert a space, press  once.
To delete letters, press .

Refer to the following table for more information on the characters available using the alphanumeric keys.

Key	Characters in the order display	
	Upper case	Lower case
 1	. , / ? ! - : ' " 1	. , / ? ! - : ' " 1
 2	A B C 2 Â Ã Ä Å Æ Ç	a b c 2 à â ã ä å æ ç
 3	D E F 3 É Ê Ë Ì Í Î Ï	d e f 3 é ê ë ì í î ï
 4	G H I 4 Ñ Ò Ó Ô Õ Ö	g h i 4 ñ ò ó ô õ ö
 5	J K L 5	j k l 5
 6	M N O 6 Ñ Ò Ó Ô Õ Ö	m n o 6 ñ ò ó ô õ ö
 7	P Q R S 7	p q r s 7
 8	T U V 8 Û	t u v 8 û
 9	W X Z Y 9 Û	w x y z 9 û
 0	Space, 0	Space, 0

Note

- ▶ The characters assigned to the keys and their order of appearance depends on the language selected using the option Input method. The table above provides the characters set for English language.

General Functions

Using the 123 (Number) mode

The 123 mode enables you to enter numbers in a message (a telephone number, for example). Press the keys corresponding to the required digits before manually switching back to the appropriate text entry mode.

Using the symbol mode

The symbol mode enables you to enter various symbols or special characters. To enter a symbol, select **Options** → **Insert** → **Symbols**. Use the navigation and numeric keys to select the desired symbol and press .

Overview of Menu Functions

1. Games & Apps 1.1 My games & apps 1.2 Settings	3. Organiser 3.1 Calendar 3.2 To do 3.3 Memo 3.4 Secret memo 3.5 Settings	5. Messages 5.1 Create new message 5.2 Inbox 5.3 Mailbox 5.4 Drafts 5.5 Outbox 5.6 Sent items 5.7 Templates 5.8 Emoticons 5.9 Settings
2. Calling 2.1 Make video call 2.2 Call logs 2.3 Call durations 2.4 Data volume 2.5 Call costs 2.6 Call divert 2.7 Call barring 2.8 Fixed dial numbers 2.9 Call waiting 2.0 Common setting 2.* Video call setting	4. Multimedia 4.1 Camera 4.2 Video camera 4.3 Music 4.4 Voice recorder	6. My stuff 6.1 My images 6.2 My sounds 6.3 My videos 6.4 My games & apps 6.5 Others 6.6 My memory card

* is displayed depending on the country.

Overview of Menu Functions

7. Google Select this option to connect to google's mobile search engine.	9. Tools 9.1 Quick menu 9.2 Alarms 9.3 Calculator 9.4 Converter 9.5 World time 9.6 STK(USIM service)	*. Browser *.1 Home *.2 Enter address *.3 Bookmarks *.4 Saved pages *.5 History *.6 Settings
8. Contacts 8.1 Add new 8.2 Search 8.3 Speed dials 8.4 Groups 8.5 Service dial numbers 8.6 Own number 8.7 My business card 8.8 Settings	0. Connectivity 0.1 Bluetooth 0.2 Synchronisation 0.3 USB connection mode	#. Settings #.1 Profiles #.2 Phone #.3 Screen #.4 Date & Time #.5 Flight mode #.6 Network #.7 Security #.8 Memory manager #.9 Reset settings

Games & Apps [Menu 1]

My games & apps Menu 1.1

You can easily download games and other applications in this menu. It may have two folders, no folders at all, or Games and Applications. The default folder can be dependent on the operator/country. Each folder has an embedded link for downloading games or applications. Please note that additional costs may be incurred when using online services. You can create a folder using the left soft key [Options].

Settings Menu 1.2

Activating a profile

1. Move the cursor to the profile you would like to activate.
2. Press **OK**.

Adding a new profile

1. Select **Add new** from the **Options** menu. The following items need to be configured.

Service name	Enter an account name for the profile.
Connection mode	Choose from the given list of connection modes. (Default is TCP with Proxy or TCP without Proxy)
IP address	Enter the WAP Gateway IP address provided by the operator. (e.g. 195. 115. 025. 129)
Proxy server port	Port details are provided by the operator, depending upon the Connection mode.
Access point	Choose from the given list of access points. (For more details on adding or editing a new access point, refer to page 91.)

2. Press the **OK** [Save] to save any configuration changes.

You can edit and delete a profile by selecting **Edit** and **Delete** from the **Options** menu.

Calling [Menu 2]

Make video call Menu 2.1

You can make a video phone call in this menu. For details, refer to page 38 to 39.

Call logs Menu 2.2

All calls (Menu 2.2.1)

Allows you to view the missed, received, and dialled call records. You can make a call, or send a message to the number you have selected from the records. You can also save the number in Contacts.

Dialled calls (Menu 2.2.2)

Allows you to view dialled call records, make a call, send a message, and save the number in Contacts.

Received calls (Menu 2.2.3)

Allows you to view received call records, make a call, send a message, and save the number in Contacts.

Missed calls (Menu 2.2.4)

Allows you to view missed call records, make a call, send a message, and save the number in Contacts.

Call durations Menu 2.3

You can view call time by types. Press the left soft key [Options] to choose either partial initialisation or entire initialisation. Initialization will require your Security code.

The following timers are available:

All calls (Menu 2.3.1)

Shows total call time.

Dialled calls (Menu 2.3.2)

Shows outgoing call time.

Received calls (Menu 2.3.3)

Shows incoming call time.

Last call (Menu 2.3.4)

Shows the latest call time in units of hours/minutes/seconds.

Data volume

Menu 2.4

Allows you to check the sent, received and all data volume transferred.

Press the left soft key [Clear all] to choose entire initialization. You can also use the [Clear] for the initialization of the selected volume type. Initialization will require your Security code.

Call costs

Menu 2.5

1. This function displays the call costs of the Last call and All calls.
2. Press the left soft key [Options] to choose either partial Initialization or entire Initialization. Initialization will require the PIN2 code.
3. You can select either **Units** or **Currency** in **Set call cost**. According to your setting, the call cost is displayed during a call (If USIM and Network support Advice Of Charge(AOC)).
4. In the **Set limit** configuration, select **On** to configure the cost limit. When a cost limit is configured, and the call costs reach the limit, making a call will not be allowed.

Call divert

Menu 2.6

Call divert menus for voice and video calls are provided.

If you press , you can activate call divert menu.

Voice calls

All voice calls

When busy

No answer

Not reachable

1. When the number list is not existed

Converts to an editor for entering a divert number. You can input the number to divert a call directly or search it in phonebook. If you press  [Divert], the phone will send the request to service provider after entering the number. While waiting for the result from the network, a Requesting message and animation appears.

2. When the number list is existed

Displays To other number menu including of the number list. While waiting for the result from the network, a Requesting message and animation appears.

Calling

3. Option menu

After activating All voice calls menu, selecting the Options menu at the bottom of the menus displays the Deactivate, Deactivate all, View status and clear list menus. The View status menu shows the settings on the network. If you select this menu, Requesting. message and animation appear. Then the network settings are displayed when the information is received from the network. If you select the Deactivate menu, the call divert numbers registered in the network are deleted after user confirmation. Clear list menu will delete all divert number list.

Video calls

All video calls

1. When the number list is not existed

Converts to an editor for entering a divert number. You can input the number to divert a call directly or search it in phonebook. If you press  [Divert], the phone will send the request to service provider after entering the number. While waiting for the result from the network, a Requesting message and animation appears.

2. When the number list is existed

Displays To other number menu including of the number list. While waiting for the result from the network, a Requesting message and animation appears.

3. Option menu

After activating the All video calls menu, selecting the Options menu at the bottom of the menus displays the Deactivate, Deactivate all, View status and clear list menus. If you select the Deactivate menu, the call divert numbers registered in the network are deleted after user confirmation. Selecting the Cancel all menu will display the operation result after showing the Requesting message and animation. Clear list menu will delete all divert number list.

When busy

1. When the number list is not existed

It operates the same as All voice calls menu.

2. When the number list is existed

It operates the same as All voice calls menu.

3. When Option menu is selected

It activates and operates If busy menu. It operates the same as All voice calls menu.

No answer

1. When the number list is not existed

It operates the same as All voice calls menu.

2. When To a number is selected

It operates the same as All voice calls menu.

3. When Option menu is selected

Activates and operates No answer menu. It operates the same as All voice calls menu except that users can configure delay time in the Set waiting time menu in the menu list.

Not reachable

1. When the number list is not existed

It operates the same as All voice calls menu.

2. When the number list is existed

It operates the same as All voice calls menu.

3. When Options menu is selected

Activates and operates If out of reach menu. It operates the same as All voice calls menu.

Call barring

Menu 2.7

Call barring menus for Voice and Video calls are provided.

The menu consists of **Voice calls**, **Video calls** and **Deactivate all**. The Voice calls and Video calls menus have the following submenus.

The **Call barring** menu consists of **All outgoing**, **Outgoing international**, **Outgoing international calls except home country**, **All incoming** and **Incoming when abroad** submenus.

The **All outgoing** menu bars dialling all outgoing calls, the **Outgoing international** menu bars dialling outgoing international calls, and the **Outgoing international calls except home country** menu bars dialling outgoing international calls except for the Home PLMN country. **All incoming** rejects all incoming calls and the **Incoming when abroad** menu rejects incoming calls when roaming.

Calling

Voice calls

Video calls

All outgoing

1. When is selected, it receives the Barring password from user, and activates the barring service on the network. A requesting message and animation appears. When the network answers, the result of the operation is displayed.
2. When the Options menu is selected, it activates the Outgoing calls menu. Select the Options menu from the soft menus on the lowest menu. Then Deactivate, Deactivate all, View status and Change password menus appear. The **Deactivate** menu deactivates the barring service after the user's Barring password is entered. The **Deactivate all** menu deactivates all barring services configured in the network after the user's Barring password has been entered. The **View status** menu enables users to view the current network configuration. Selecting **View status** menu displays the Requesting message with animation and the result of the operation when the network answers. **Change**

password menu enables users to change the current barring password.

Outgoing international

1. When is selected, it operates in the same way as the **Outgoing calls** menu.
2. When the Options menu is selected, it activates and operates the International calls menu. It operates in the same way as the **Outgoing calls** menu.

Outgoing international calls except home country

1. When is selected, it operates in the same way as the **Outgoing calls** menu.
2. When the Options menu is selected – It activates and operates the **International except home country** menu. It operates in the same way as the **Outgoing calls** menu.

All incoming

1. When is selected, it operates in the same way as the Outgoing calls menu.

2. When the Options menu is selected, it activates and operates the Incoming calls menu. It operates in the same way as the **Outgoing calls** menu.

Incoming when abroad

1. When  is selected, it operates in the same way as the **Outgoing calls** menu.
2. When the Options menu is selected, it activates and operates the Incoming calls when abroad menu. It operates in the same way as the **Outgoing calls** menu.

Fixed dial numbers

Menu 2.8

► Turn on/Turn off

- **On:** Select whether to activate FDN or not. PIN2 authentication is required.
- **OFF:** Select whether to activate FDN or not. PIN2 authentication is required.

- **FDN list:** Displays the current FDN list. You can edit, add, or delete fixed dial numbers. PIN2 authentication is required to edit, add, or delete the list. And the configuration information is saved on the USIM. The information saved on the USIM is used when FDN restricts outgoing calls.

Call waiting

Menu 2.9

- **Activate:** Activates waiting service. Selecting this item, displays requesting message and animation. When the network answers, the result of the operation is displayed.
- **Deactivate:** Deactivates Call waiting service. Selecting this item displays requesting message and animation. When the network answers, the result of the operation is displayed.
- **View status:** Displays activated Call waiting service group item of the network. Selecting this item displays requesting message and animation. When the network answers, the result of the operation is displayed.

Calling

Common setting Menu 2.0

Call reject

You can set whether to reject incoming calls.

1. Select **On** in Reject menu to activate call reject. The Reject list menu appears.
2. Set the desired call reject option in the Reject list menu.

- ▶ **All calls:** Rejects all calls.
- ▶ **Contacts:** Rejects the calls from the number stored in Contacts.
- ▶ **Groups:** You can specify call rejects by group units stored in Contacts.
- ▶ **Unregistered:** Rejects calls from the number not stored in Contacts.
- ▶ **No caller ID:** Reject calls which do not have CLI information.

Send my number

- ▶ **Set by network:** Configures with the default settings determined by the service provider.
- ▶ **On:** Configures to send my phone number when making an outgoing call.
- ▶ **Off:** Configures not to send my phone number when making an outgoing call.

Auto redial

Allows you to set the auto redial function when a call attempt has failed.

Answer mode

Allows you to set the answering method. You can choose between **Press send key**, **Slide up** and **Press any key**.

Minute minder

Determines whether to sound a 1 minute tone every 1 minute when you are on the phone.

BT answer mode

- ▶ **Hands-free:** You can answer a call using the Bluetooth headset, when the Bluetooth is connected.
- ▶ **Handset:** If you press  on the handset to answer a call, you can talk on the handset. If you press the Bluetooth headset key to answer a call, you can talk using the Bluetooth headset. This is the initial answer mode selection. And while talking, you can switch from handset to headset or from headset to handset.

Save new number

In this menu, you can save the phone number when ending a call if the phone number is not saved in a phonebook.

Slide close setting

When the slide is down, you can set the call is ended or not.

Video call setting Menu 2.*

You can set the screen display when making/receiving a video call.

- ▶ **Select private picture:** Select the still image to be displayed.
- ▶ **Mirror:** Select to activate the mirror effect or not.
 - **On:** Displays the image flipped side to side.
 - **Off:** Displays the image as it is.
- ▶ **My image size:** Select my image size to be displayed.
- ▶ **My image position:** Select the position where your image will be displayed.
- ▶ **Use private picture:** Determine whether to show the private image or not.

Organiser [Menu 3]

Calendar

Menu 3.1

Schedule inquiry and search

1. Reference by Months

You can refer to your schedule by months. The cursor is on the current date, and the registered date is marked. The schedule saved for the date where the cursor is located is represented by a grey box. Pressing the shortcut key  moves to the previous year and pressing  move to the next year and pressing  moves to today. Pressing  moves to the previous month, and  moves to the next month. Pressing  moves to the weekly calendar. You can move the date using  /  /  / .

2. Detailed reference

You can refer to a detailed schedule, that is the whole contents of the schedule configured by the user. You can send the schedule to another phone or an Internet site through SMS (Text message) or MMS (Multimedia message) or Email or Bluetooth using the left soft key [Options].

Add new event

You can add an event. You can configure the start date, end date, start time, end time, contents, type of event, repetition, alarm of the schedule.

- ▶ **Set type:** Appointment, Anniversary, Birthday
- ▶ **Set repeat:** Once, Daily, Weekly, Monthly, Annually, User setting
- ▶ **Set alarm:** No alarm, On time, 15 mins before, 30 mins before, 1 hour before, 1 day before, 3 days before, 1 week before

Delete all schedules

You can delete all saved schedule contents using this function.

Set up and release holiday

You can set up or release user holidays. Press the left soft key [Options] and select **Set holiday**. The selected date will be displayed in red.

To release the holiday, press the left soft key [Options] and select **Clear holiday**.

Schedule notification

If the user has configured the alarm setting, the specified alarm sound will ring. If the notification time is before the schedule start time, you can set up the alarm again.

To do

Menu 3.2

You can view, edit and add tasks to do. Tasks are displayed in time order. Tasks that have been completed or not completed are displayed in different ways.

Add new event

To add a task, press the left soft key [Options] in the To do list management screen and select **Add new event** option. Then input the date, description and priority for the task. When you have finished entering the data, press the centre key [Save] to save the new task.

Detailed view and Edit

To view detailed to do contents, locate the cursor on the desired item in the Tasks list, and then press the centre key. You can send, edit and delete a task using the left soft key [Options].

Set job status

Tasks set as finished are displayed as crossed out below the unfinished tasks in the Tasks list. You can set Finished tasks to Not finished by selecting **Options**.

Memo

Menu 3.3

Using the memo management function, you can view and manage saved memo contents, and add new memo.

Add memo

To add a new memo, press the left soft key [Add] or [Add new memo] in Options. Enter the contents of the memo. You can save the memo to the list by pressing the centre key [Save].

Edit and delete memo

Highlight the desired memo and press  to view its contents. You can edit or delete the contents of a memo using the left soft key [Options]. You can return to the memo management screen by pressing right soft key [Back]. You can select Multiple or All memos using the Mark/Unmark option and then delete a memo using the Delete option.

Organiser

Secret memo

Menu 3.4

You can write the private memo to protect your privacy. You enter the security code to use this menu.

Add private memo

To add a new memo, press the left soft key [Add] or [Options]. Enter the contents of the memo. You can save the memo to the list by pressing the centre key [Save].

Edit and delete a private memo

Highlight the desired memo and press  to view its contents. You can edit or delete the contents of a memo using the left soft key [Options]. You can return to the memo management screen by pressing right soft key [Back]. You can select Multiple or All memos using the Mark/Unmark option and then delete a memo using the Delete option.

Settings

Menu 3.6

Calendar

(Menu 3.6.1)

You can set the configurations to view the calendar.

- ▶ **Default view:** You can set the default value to view a calendar; Month view, Week view
- ▶ **Week start time:** 1 AM, 2 AM, 3 AM, 4 AM, 5 AM, 6 AM, 7 AM, 8 AM, 9 AM, 10 AM, 11 AM, 12 PM
- ▶ **Week starts on:** You can set the default day to start a week; Sunday, Monday

Backup calendar & To do

(Menu 3.6.2)

You can create the backup files of the calendar or to do list saved in the phone when you insert an external memory.

Restore calendar & To do

(Menu 3.6.3)

You can reset the backup files of calendar or tasks when you insert an external memory.

Memory info. (Menu 3.6.4)

You can view the information of available memory regarding Calendar, Tasks, Memo and Secret memo.

Multimedia [Menu 4]

Camera

Menu 4.1

This application enables you to take a still picture. You can take a picture in the size you want, and use it for the address book photo, home screen and other more general purposes. Once taken, the picture can be sent by Message, Email or Bluetooth .

Brightness: From -2.0 to 2.0 at 0.5 intervals. The higher the level, the brighter the screen.



Press  to take a picture.

1. Press the left soft key to access **Options** and set the desired environment as follows.
 - ▶ Move between the options menus with  .
 - ▶ Select the desired value with  /  and confirm the selection with .

Menu	Description
Go to	The Pictures folder is launched and displays existing pictures as thumbnails. You can view pictures by pressing OK . You can also send the selected picture to another party via Message , Email or Bluetooth .
Size	1280x960, 640x480, 320x240, Wallpaper, 176x144, Contact
Quality	Fine, Standard
Burst shot	One, Three, Six, Nine (Note: Available Burst shot depends on the size.)
Brightness	From -2.0 to 2.0 at 0.5 intervals. The higher the level, the brighter the screen.
White balance	You can adjust the tone of the background photo according to the weather. Auto , Daylight , Cloudy , Illuminate , Indoors

Menu	Description
Night mode	You can take better pictures at night by selecting On .
Frame Shot	You can apply one of 10 frame effects when taking a picture. (available only in case of Wallpaper size)
Timer	You can delay the camera shutter time. None, 3 secs., 5 secs., 10 secs. “  ” is shown when the timer is activated.
Effect	None, Black & White, Negative, Sepia
Sound	Select the desired shutter sound.
Memory	Select the desired memory, either Handset or External .
Mirror	You can activate the mirror effect by selecting On .
Swap cam	You can switch the camera to activate either the Internal or the External camera.

2. After finishing all the settings, press the right soft key [Close].
3. Focus the camera on what you want to take and press **OK**.
4. Press **OK** to save the picture. It is saved in the Pictures folder of My Files.

Note

Press the right soft key [Back] to go back to the preview mode without saving the picture.

Multimedia

Video camera

Menu 4.2

This application enables you to record a video clip. You can play and watch a saved video file in this menu. Once recorded, a video clip can be sent by Message, Email or Bluetooth.

Brightness: From -2.0 to 2.0 at 0.5 intervals. The higher the level, the brighter the screen.



Press the  to record the image.

1. Press the left soft key to access **Options** and set the desired environment as follows.
 - ▶ Move between the options menus with  .
 - ▶ Select the desired value with  /  and confirm the selection with .

Menu	Description
Go to	The Videos folder is launched and displays existing videos as thumbnails. You can view videos by pressing OK . You can also send the selected video to another party via Message, Email or Bluetooth.
Size	176x144, 128x96
Quality	Fine, Standard
Brightness	From -2.0 to 2.0 at 0.5 intervals. The higher the level, the brighter the screen.
White balance	You can adjust the tone of the background video according to the weather. Auto, Daylight, Cloudy, Illuminate, Indoors

Menu	Description
Night mode	You can take better shots at night by selecting On .
Effect	None, Black & White, Negative, Sepia
Duration	Select the desired recording time. Message, 30 secs., 1 min, 2mins., 5mins., 60 mins.
Memory	Select the desired memory, either Handset or External .
Mirror	You can activate the mirror effect by selecting On .
Mute	Decide whether to record the sound or not.
Swap cam	You can switch the camera to activate either Internal or External .

2. After finishing all the settings, press the right soft key [Close].
3. Focus the camera on what to record and press **OK** to start recording.
And press **OK** to stop recording.
 - ▶ You can pause the recording by pressing the left soft key [Pause].
4. Press **OK** to save the video clip. It is saved in the Videos folder of My Files.

Note

Press the right soft key [Back] to go back to the preview mode without saving the video clip.

Multimedia

Music

Menu 4.3

Recently played

(Menu 4.3.1)

This menu shows the last 20 tracks that were played. And, if it starts to play, the menu "Now playing" will be displayed.

You can activate media player on playing through Now playing menu.

All tracks

(Menu 4.3.2)

You can view all the music files stored in the phone/external memory.

Playlists

(Menu 4.3.3)

You can create your own playlists by choosing tracks from the All tracks menu list.

Artists

(Menu 4.3.4)

You can view and play music sorted by Artists.

Albums

(Menu 4.3.5)

You can view and play music sorted by Albums.

Genres

(Menu 4.3.6)

You can view and play music sorted by Genres.

Shuffle tracks

(Menu 4.3.7)

If you want to play the music continuously and randomly, select this option.

Voice recorder

Menu 4.4

1. Press the left soft key [Option] to display the option pop up menu before recording.
2. Move to the desired menu item using  /  and press .

- **Duration:** You can set the recording duration to MMS msg. size, 30 secs, or 1 min.
- **Quality:** You can select a recording quality from Super fine, Fine, and Normal.

- ▶ **Go to my sounds:** Opens the Voice recordings folder in Sounds.
3. Pressing  starts recording. When a recording is started, the recording time appears on the LCD. To cancel the recording, press the Back.
 4. When you finish the recording, press  to exit. The recorded file is automatically saved in the Voice recordings folder in My files. If you press  again, you can start recording new voice.
 5. Press the left soft key to select the various options after the voice recording.
 6. Select the desired menu using  /  and press .
- ▶ **Play:** You can play the voice.
 - ▶ **Send:** To send the recorded file. Select one from Message, Email and Bluetooth using  /  and press .
 - ▶ **File:** You can change the name of file and view the information.
 - ▶ **Delete:** Select this menu to delete a recorded file.
- ▶ **Use as:** You can set the recorded file as the Voice Ringtone, Video Ringtone.
 - ▶ **Go to my sounds:** Opens the Voice recordings folder in My Files.
7. Press the right soft key to close the sub-menu popup window.

Messages [Menu 5]

Create new message

Menu 5.1

Message

(Menu 5.1.1)

You can write and edit a message containing a combination of text, image, video and audio.

1. Enter your message in the Message field.

Options menus in Message field

- ▶ **Insert:** You can perform the following actions:

1. **Image:** You can insert an image. (Existing image/Take picture)
2. **Video:** You can insert a video clip. (One video clip per slide)
3. **Sound:** You can insert a sound file. (One sound per slide)
4. **Symbols:** You can insert symbols. After entering the corresponding number keys, press .
5. **Template:** You can insert a text template saved on the phone. After selecting a template, press . The selected template is inserted into the Message window.

6. **Emoticon:** You can insert an emoticon on writing a message.

7. **Name & Number:** After searching the name and the number in phonebook, you can insert the entry.

8. **New slide:** Select this to add a new slide.

9. **Subject:** Select this to insert a subject.

- ▶ **Save to drafts:** Select this to save the message to drafts.

- ▶ **Input method:** Select the desired dictionary mode.

- ▶ **Writing language:** You can select the language for writing a message.

- ▶ **Add to dictionary:** You can add a word to the dictionary.

2. Press the right soft key [Back] to exit the menu or go to previous menu after setting submenus.
3. Press the center key [Send] to insert recipients address. After filling at least one recipient fields, press the confirmation key [Send] to send the message. The message will automatically be saved in the Sent Items folder. If the message has

not been sent, it will remain in the Outbox with a failed status.

Email (Menu 5.1.2)

To send/receive an Email, you should set up the Email account.

1. Enter the Email addresses of the recipients in the To, Cc, Bcc fields. You can search the Contacts by pressing .

Note

- ▶ Enter the reference Email address to forward the Email in Cc(Carbon copy) field.
- ▶ Enter a hidden reference Email address to forward the Email without forwarding information in Bcc(Blind Carbon Copy) field.
- ▶ Only valid Email addresses are allowed for the recipient (To), reference address (Cc) and hidden reference address (BCC) fields. When an Email address has been specified, another field where you can specify another address appears. You can specify up to 20 recipients for the To and Cc address fields and 10 recipients for the BCC address field.

2. Move the cursor to the Subject field and key in the subject.
3. You can enter the message contents by moving the cursor to the Message field.
4. Use the following functions by using the left soft key [Options].

- ▶ **Insert:** Select this menu to insert special characters, templates, and contacts. It is also possible to attach multimedia files (pictures, videos and sounds).
- ▶ **Search contacts:** Select this menu to insert Email addresses saved in Contacts. (Only shown in Option menu when cursor is located in To/Cc/Bcc fields.)
- ▶ **Recently used:** You can use the latest Email address you sent.
- ▶ **Save to drafts:** Select this menu to save the message in Drafts.
- ▶ **View attachment:** Shows the attached files. (This item is only available when some files have been attached.)

Messages

- ▶ **Remove:** Deletes the attachment file. (This item is only available when the files are already attached.)
- ▶ **Input method:** Select the desired dictionary mode.
- ▶ **Add to dictionary:** You can add a new word to the dictionary.
- ▶ **Writing language:** You can change the writing language.
- ▶ **Set mail priority:** You can configure the priority of the Email you wish to send.

5. When you have finished writing an Email, press  to send the Email.

Inbox

Menu 5.2

1. You can view received messages. Select a message and then press  to view the message.
2. You can view the previous or next message by using   .
3. To view a multimedia message (Notification), select Retrieve in the message notification view screen. The file is then transmitted, and you can view the file when the transmission is complete.

You can use the following functions by using the left soft key [Options] in the Inbox.

- ▶ **Reply to:** Creates a reply to the sender or all recipients of the selected message.
- ▶ **Forward:** Forwards the selected message.

Note

Not supported for multimedia message (Notification) and WAP push messages.

- ▶ **Make voice call:** You can make a voice call.
- ▶ **Make video call:** You can make a video call.
- ▶ **Delete:** Deletes the current message.
- ▶ **Create new message:** You can write a new message or an Email.
- ▶ **Copy:** In case of SMS, you can copy the message into handset or USIM.
- ▶ **Move:** In case of SMS, you can move the message into handset or USIM.

- ▶ **Filter:** Displays messages by desired message types.
- ▶ **Mark/Unmark:** You can select one or more messages for multiple deletion.
- ▶ **Message information:** You can check the message type, date and time.

Note

You can check the saved emails in Email [Menu 5.9.3].

Mailbox

Menu 5.3

Viewing Email message list

1. Select an Email account and then press **OK** to view the received Email list.
2. In Email list, you can use the following functions by using the left soft key [Options].
 - ▶ **Reply:** Creates a reply to the selected Email.
 - ▶ **Forward:** Forwards the selected Email message to others.
 - ▶ **Retrieve (POP3 only):** Retrieves new Email messages.
 - ▶ **Copy to (IMAP only):** Copies the selected email.
 - ▶ **Search:** Searches the Email you want to find out.
 - ▶ **Delete:** Deletes the Email.
 - ▶ **Delete from server (POP3 only):** Deletes the message or Email from server.
 - ▶ **Create new message:** Creates a new message or Email.
 - ▶ **Mark/Unmark:** Use mark/unmark option for multiple deletion.
 - ▶ **Set as read/unread:** You can set the selected Email to read or unread.
 - ▶ **Sort by:** You can sort Email according to the conditions.
 - ▶ **Expunge (IMAP only):** Removes the selected Email data at a time.
 - ▶ **Message synchronisation (IMAP only):** Synchronises Email to retrieve Email server.
 - ▶ **Message information:** Brief information on the message including size, type, date, time and filenames.

Messages

Viewing an Email message

1. Select one of the received Emails and press the View key to receive the contents of the Email.
2. The contents of the received Email are automatically displayed in the View screen.
3. You can view the contents of the previous or next Email by using  .
4. In the Email View screen, you can select the following functions by using the left soft key [Options].
 - ▶ **Reply to:** Creates a reply to the selected Email.
 - ▶ **Forward:** Forwards the selected Email message to others.
 - ▶ **Save address:** Saves the sender's address to Contacts.
 - ▶ **Delete:** Deletes the Email.
 - ▶ **Extract:** Extracts the number, Email address or Web address from Email message.
 - ▶ **View attachment:** Shows the attached file.

- ▶ **View recipients:** Shows the Email addresses of the recipients and reference (Cc).
- ▶ **Create new message:** Creates a new message.
- ▶ **Message information:** Brief information on the message including size, type, date, time and filenames.

Drafts

Menu 5.4

You can view saved messages. Select a message and then press  to edit the message.

You can use the following functions by using the left soft key [Options].

- ▶ **Send:** Sends the selected message.
- ▶ **Delete:** Deletes the selected message.
- ▶ **Create new message:** You can write a new message or an Email.
- ▶ **Mark/Unmark:** You can select one or more messages for multiple deletion.
- ▶ **Filter:** Displays messages by desired message types.

- ▶ **Message information:** You can check the message type, date and time.

Outbox

Menu 5.5

The Outbox is a temporary storage place for messages waiting to be sent. Failed messages are also placed in Outbox. For example, Emails will be placed in Outbox if the Email account is not correctly configured.

1. Select a message.
2. You can use the following functions by using the left soft key [Options].

[For sending / waiting messages]

- ▶ **Create new message:** You can write a new message or an Email.
- ▶ **Cancel sending:** You can stop sending/waiting status.
- ▶ **Message information:** You can check the message type, date, time, size and where it's saved.

[For a failed message]

- ▶ **Resend:** Resends the selected message.

- ▶ **Delete:** Deletes the current message.
- ▶ **Save to drafts:** You can send the message to drafts.
- ▶ **Create new message:** You can write a new message or an Email.
- ▶ **Message information:** You can check the message type, date and time.

Sent items

Menu 5.6

Shows the messages you sent (Message/Email/Postcard).

[Options]

- ▶ **Reply to:** Creates a reply to sender or all recipients of the selected message.
- ▶ **Forward:** Forwards the selected message.
- ▶ **Edit:** You can edit the selected message.
- ▶ **Delete:** Deletes the selected message.
- ▶ **Create new message:** You can write a new message.

Messages

- ▶ **Mark/Unmark:** You can select one or more messages for multiple deletion.
- ▶ **Filter:** Displays messages by desired message types.
- ▶ **Message information:** You can check the message type, date and time.

Templates

Menu 5.7

Text templates

(Menu 5.7.1)

You can add, edit, and delete frequently used useful phrases using the left soft key [Options].

Note

Depending on your service provider, useful phrases are saved as a default.

Multimedia templates

(Menu 5.7.2)

You can create, edit and view available templates when creating multimedia messages. Five types of template (Birthday, Greeting, Holiday, Thanks, Sorry) are saved by default.

The following options are available.

- ▶ **Add new:** You can create a new multimedia template.
- ▶ **Write multimedia message:** Creates a multimedia message with the selected template.
- ▶ **Edit:** Edits the selected template.

Emoticons

Menu 5.8

You can add, edit and delete emoticons. You can insert the emoticon which you preferred on writing a message. If you press confirmation key, you can view the icon.

Settings

Menu 5.9

Text message

(Menu 5.9.1)

You can configure text message related options.

1. **Text message centre:** Input the address of the Text message centre.
2. **Delivery report:** By enabling this option, you can verify whether your message has been sent successfully.

3. **Validity period:** This network service allows you to set how long your text messages will be stored at the message centre.

4. **Message types: Text, Voice, Fax, X.400, Email**

Usually, the type of message is set to **Text**. You can convert your text into alternative formats. Contact your service provider for the availability of this function.

5. **Character encoding: Auto/ Default alphabet/ Unicode.**

- ▶ **Auto:** Message with single byte character is normally encoded in Default alphabet(GSM7). Message with double-byte character is automatically encoded in unicode(UCS2).
- ▶ **Default alphabet:** Message with even double byte character is encoded in single byte. Please note that double byte characters with accent may be converted into single byte character without accent.
- ▶ **Unicode:** Message is encoded in double byte. Please note that you may be charged double.

6. **Send long text as:** Select a long text message as Multiple SMS or MMS.

Multimedia message (Menu 5.9.2)

You can configure Multimedia message related options.

1. **Retrieval mode:** You can set the retrieval mode using Home network and Roaming network respectively. If you select **Automatic**, you will receive multimedia messages automatically. If you select **Manual**, you will only receive a notification message in the Inbox and then you can decide whether to download multimedia messages or not.
2. **Delivery report:** Allows you to determine whether to request a delivery confirmation mail to a recipient, and whether to allow sending a delivery confirmation mail to a sender.
 - ▶ **Request report:** Determines whether to request a delivery confirmation mail for a Multimedia message.

Messages

- ▶ **Allow report:** Determines whether to allow sending a delivery confirmation mail for a delivery confirmation mail request.
- 3. **Read reply:** Allows you to determine whether to request a read confirmation mail to a recipient, and whether to allow sending a read confirmation mail to a sender.
 - ▶ **Request reply:** Determines whether to request a read confirmation mail for a Multimedia message.
 - ▶ **Allow reply:** Determines whether to allow sending a read confirmation mail for a read confirmation mail request.
- 4. **Priority:** You can select the priority level of the messages (Low, Normal and High).
- 5. **Validity period:** Allows you to configure the term of validity for a message when transmitting a multimedia message. The message would be saved in the multimedia message server only for the configured term.
- 6. **Slide duration:** Allows you to configure the duration of each page when writing a message.
- 7. **Delivery time:** Configures the delivery time of message to the recipient. The Multimedia message centre will deliver the message after the delivery time.
- 8. **Multi. msg centre:** Allows you to configure network information such as the MMSC and the WAP gateway, to send a multimedia message.

Using the left soft key [Options], you can activate, add or delete a profile. A profile name selected by a checkmark is the currently configured value. You can view and edit the contents of the profile in edit mode by pressing the right soft key [Edit]. The edit screen also appears when creating a new profile under Options. The meaning of each item is given below.

 - ▶ **Title:** Profile name.
 - ▶ **MMSC URL:** Enter the multimedia message centre URL.
 - ▶ **MMS Proxy:** Enter the WAP gateway address and port number.

- ▶ **Connection mode:** Select one of the connection mode. (TCP with Proxy, TCP without Proxy, UDP)
- ▶ **Access points:** Specify the access point name. (see WAP connection settings.)

Press the center key [Save] to save the changes and complete Multimedia msg. centre setting.

Email (Menu 5.9.3)

You can configure settings for receiving and transmitting emails.

1. **Email accounts:** You can create or configure an Email account including the Email server and user ID. You can edit a selected Email account by pressing the left soft key [option]- 2.Edit. You can select an Email account to be used to send an Email using . You can select the following functions using the left soft key [Options].
 - ▶ **Add:** Create a new Email account.
 - ▶ **Edit:** To edit the selected Email account.
 - ▶ **View:** Views a selected mail.

- ▶ **Mark/Unmark:** Use mark/unmark option for multiple deletion.
- ▶ **Delete:** Deletes a selected Email account. All the emails included in the account will be deleted.

2. **Allow reply Email:** Determines whether to allow sending a read confirmation mail for a read confirmation mail request.
3. **Request reply Email:** Determines whether to request a read confirmation mail.
4. **Retrieve interval:** You can configure Retrieve interval to retrieve emails automatically from the incoming mail server. When a new Email arrives, an icon appears at the top of the screen. You can select the auto receiving time slot to Off, 15 minutes, 30 minutes, 1 hour, 2 hours, 4 hours or 8 hours. Please note that additional charges may be incurred using the Retrieve interval feature.
5. **Include message in Fwd. & Reply:** Determines whether to include the original message when you forward the message or reply to it.

Messages

6. **Include attachment:** Determines whether to include the attachment file when you forward the message.
7. **Auto retrieval in Roaming:** Retrieves Email account automatically when you move in roaming area.
8. **New Email noti. info:** Receives the notification information when arriving new Email.
9. **Signature:** You can configure a text signature to be attached to the end of an Email. The configured signature text is automatically or manually attached to the end of the Email when it is sent.
10. **Priority:** You can select the priority level of Emails (Low, Normal and High).

Creating a new Email account

1. Select **Add new** from the Email account menu options.
2. The following items need to be configured.

Title	Enter a title.
Username	Enter the user name of the Email account.
Password	Enter the Email account password.
Email address	Enter the Email address for outgoing mail.
Reply Email address	Enter the Email address to reply to your Email.
Outgoing mail server	Enter the outgoing Email server.
Incoming mail server	Enter the incoming Email server.
Maximum receive size	Select the maximum Email receive size using the left soft key. The permissible maximum receive size is no more than 1 MB.
Mailbox type	Select the Email inbox type either POP3 or IMAP4 using the left soft key.
Save to server	Determine whether to leave a copy of messages on the incoming server or not using the left soft key. When the mailbox type is set to IMAP4, a copy of messages are always saved to the server.

Save sent mail into	Select where to save the sent mails (when the mailbox type is set to IMAP4). When the mailbox type is POP3, sent mails are always saved into handset.
Access points	Select an access point to connect to the Internet. You can select a configured access point using the left soft key.
Auto retrieve	Determine whether to retrieve email automatically from the incoming mail server or not using the left soft key.
Advanced settings	Sets the configuration to connect Email server.
SMTP port number	Enter the mail server port number. In general, the SMTP (Outgoing mail server port number) is 25.
Incoming server port	Enter the mail server port number. In general, the incoming mail server port number is 110 (POP3) or 143 (IMAP4).

SMTP authentication	Decide whether the outgoing mail server to require authentication or not using the left soft key. When the SMTP authentication is set to On, you can enter the SMTP Username and SMTP Password for SMTP authentication.
SMTP username	Enters SMTP user name to require authentication.
SMTP password	Enters SMTP password to require authentication.
APOP secure login	Decide whether to activate APOP secure login or not using the left soft key. When the mailbox type is IMAP4, APOP secure login is always set to OFF.

3. Press the centre soft key [Save] to complete the Email account configuration.

Editing an Email account

1. Select a desired Email account from the Email account list and press the left soft [Options] then select Edit.
2. You can edit desired fields by moving the cursor up and down.

Messages

3. When configuration is complete, press the centre soft key [Save] to complete the Email account configuration.

Note

When you try to change the mailbox type, all emails downloaded before would be deleted.

Videomail (Menu 5.9.4)

You can send or receive the mail with a video file.

Voicemail (Menu 5.9.5)

You can send or receive the mail with a voice file.

Service message (Menu 5.9.6)

You can configure the option settings such as Push(SI/SL) messages.

- ▶ **Service message:** If you set On, all service messages will be received.
- ▶ **Service security:** If you set Message received to On, you can select the service loading option from Prompt, Disable, Always.

- **Service security set:** If you set Service loading to Prompt, you will see popup asking you whether process the SL message.
- **Trusted list:** If you set Service loading to Disable, you cannot receive SL message. SL message will be discarded at the time of arrival.
- **Untrusted list:** If you set Service loading to Always, SL message is automatically launched to the Internet with URL that is preset in the SL message.

Info. service (Menu 5.9.7)

- ▶ **Cell broadcast:** You can set the reception status.
- ▶ **Channels:** You can add or modify the channels.
- ▶ **Languages:** You can select the language you want by pressing . Then, the info service message will be shown in the language that you have selected.

My stuff [Menu 6]

My images

Menu 6.1

The Pictures folder consists of embedded links for downloading pictures through the Internet and Default images.

Pictures taken using the camera are stored in the Pictures folder and you can create new folders to manage them. You can also send multiple files to other people.

To view the picture in details, press the confirmation key.

When a file is selected, the following options will be displayed by pressing the left soft key [Options].

- ▶ **Send:** You can send the selected image via Message, Email or Bluetooth.
- ▶ **Use as**
 - **Wallpaper:** You can set an image as the home screen theme.
 - **Contacts image:** You can set the image of selected entry in contacts. When incoming a call, the image saved in contact is displayed.

- **Start up:** You can set the image when switching on the phone.
- **Shut down:** You can set the image when switching off the phone.
- **Outgoing call:** You can set an image when making a call.
- ▶ **Sort by:** You can sort the files by date, file type or name.
- ▶ **List view/Grid view:** You can view the images as a List view or Grid view.
- ▶ **File info.:** Shows information on the selected image file.
- ▶ **Memory manager:** You can view the memory status (handset or external memory card).

My sounds

Menu 6.2

The Sounds folder consists of embedded links for downloading ringtones and music as well as folders containing the Default sounds and Voice recordings. Here you can manage, send or set sounds as ringtones.

When a file is selected, the following options will be displayed by pressing the left soft key [Options].

My stuff

► Use as

- **Voice ringtone:** You can set the sound file as a ringtone when incoming a voice call.
- **Video ringtone:** You can set the sound file as a ringtone when incoming a video call.
- **Message tone:** You can set the sound file as a ringtone when receiving a message.
- **Start up sound:** You can set the sound file as a ringtone when handset starts up.
- **Power off sound:** You can set the sound file as a ringtone when handset shut down.
- **File info.:** Shows the information on the selected sound file.
- **Sort by:** You can sort the files by date, file type or name.
- **Memory status:** You can view the memory status (handset or external memory card).

My videos

Menu 6.3

Here you can manage or send downloaded or captured videos clips.

If you press  [Connect], you can activate the video file.

The following are available using the left soft key [Options] in the Video list.

- **Send:** You can send the selected video clip via Message, Email or Bluetooth if not protected by Digital Rights Management (DRM).
- **Use as:** You can set the video file as voice ringtone or video ringtone.
- **Move:** Moves the file into handset memory or external memory.
- **Copy:** Copies the file in handset memory or external memory.
- **Delete:** Deletes the selected video.
- **Mark/Unmark:** Using the Mark function, you can send, delete, move and copy multiple files.
- **File**
 - **Rename:** You can rename the video.
 - **File info.:** Shows information on the selected video file.

- ▶ **Create new folder:** You can create a new folder.
- ▶ **Sort by:** You can sort files by name, date, or file type.
- ▶ **List view/Grid view:** You can view the images as a List view or Grid view.
- ▶ **Memory status:** Displays the memory status (handset or external memory card).

You can view a video using the video player. Video files are displayed in the list as thumbnails. You can select a desired video by using the  /  /  /  . Select a desired video and select Play to view the recorded video.

Select the left soft key [Send] to attach the selected video to a message, Email or Bluetooth.

When option 1. Play is selected, the video clip will be played with the Media Player. To pause the playback, press  during the playback. To resume the paused playback, press  once again.

When viewing video clips in the Media Player, the following options are available:

- ▶ **Wide view:** You can view the video in wide view mode.

Note

You can also view the video in wide view mode by pressing  key.

- ▶ **Mute/Unmute:** If the Volume is set to more than 0, Mute mode is activated and if the Volume is set to 0, the Unmute mode is activated.
- ▶ **Capture:** You can save what is on the paused screen as an image file (only possible in Pause mode).
- ▶ **Repeat:** You can set the repeat option (None/Current file/All files).
- ▶ **File info.:** You can check information on files being played (File name, Size, Date, Type, Duration, Protection).
- ▶ **Send:** You can send the video via Message, Email or Bluetooth if the file is not protected by Digital Rights Management (DRM).
- ▶ **Delete:** Deletes the selected video.
- ▶ **Use as:** You can set the video file as voice ringtone or video ringtone. This menu is dependent upon the contents.

My stuff

My games & apps Menu 6.4

You can easily download games and other applications in this menu. It may have two folders, no folders at all, or Games and Applications. The default folder can be dependent on the operator/country. Each folder has an embedded link for downloading games or applications. Please note that additional cost may be incurred when using online services. You can create a folder using the left soft key [Options].

Others Menu 6.5

Other files except pictures, sounds, videos, games & applications are stored in this folder.

My memory card Menu 6.6

If you purchase an optional external microSD memory card, you can manage more content. Refer to the section how to use a microSD memory card on page 22 and 23 to learn how to insert and remove the memory card. You can manage content as you do on your phone.

Google [Menu 7]

This menu option allows you to connect to Google's mobile website directly and use Google products. Contact Google for more information regarding their products and services.



Google

Contacts [Menu 8]

Add new

Menu 8.1

You can register a new contact address. You can enter the name, different phone numbers and Email addresses of a new contact. You can also assign the contact to groups, include an image or avatar, assign a specific ringtone and even enter a memo for the contact. Other available fields include Home page URL, Home address, Company name, Job title and company address. You can enter and manage contact addresses depending on the memory usage.

Note

In Settings menu, the search operation can be performed based on the last name.

Speed dials

Menu 8.3

Using this menu you can manage speed dials. Speed dials are configured between 2-9. You can register speed dials for a specific contact address up to 5 different numbers, and a contact address may have multiple speed dials.

Search

Menu 8.2

Performs the contact address search function. The search operation is performed based on a first name as a default. The current search method and results found are displayed in the Search window. You can make a phone call or send a message to the selected phone number. A Contacts search can be performed based on the phone number or group information.

Groups

Menu 8.4

Using this menu you can manage group information (both stored in the Handset and the USIM). In the handset memory, there are 5 default groups: Family, Friends, Colleagues, School and VIP. You can add, edit and delete groups. When a ringtone for a number is not specified, a call from the number sounds the group ringtone assigned to the number for the group.

Service dial numbers

Menu 8.5

You can view the list of Service Dialling Numbers (SDN) assigned by your service provider (if supported by the USIM card). Such numbers include emergency, directory enquiries and voice mail numbers. After selecting a service number, press  to dial the service.

Own number

Menu 8.6

Allows you to display your phone number in the USIM card. You can save own numbers being used in the USIM card.

My business card

Menu 8.7

You can create your own business card by pressing the left soft key Add. After entering the name, number, Email and image, you can use it as a business card when sending the message.

Settings

Menu 8.8

Display data

(Menu 8.8.1)

- ▶ **View contacts from:** Select which contact information shall be displayed (from handset memory, from USIM card or both). All is the default setting.
- ▶ **Name display:** You can set the display order by name.
- ▶ **Show picture:** Select whether to display picture or not.

Synchronise contact

(Menu 8.8.2)

You can send the contents of phonebook to the server directly.

Copy

(Menu 8.8.3)

You can copy contacts from the phone memory to the USIM or from the USIM to the phone memory. You can copy all or selected entries at a time.

Contacts

Move (Menu 8.8.4)

You can move contacts from the phone memory to the USIM or from the USIM to the phone memory. You can move all or selected items at a time.

Backup contacts (Menu 8.8.5)

You can save all phonebook data in handset to external memory card by formatting vcard.

Restore contacts (Menu 8.8.6)

You can restore all phonebook data in external memory card to phone memory by formatting vcard.

Clear contacts (Menu 8.8.7)

Clears all contact information. You can delete all contacts saved in the mobile phone memory as well as on the USIM card.

Memory info. (Menu 8.8.8)

You can check the status of contacts memory in this menu.

Tools [Menu 9]

Quick menu

Menu 9.1

You can specify functions to save in the Quick menu. If you save the functions frequently used in the Quick menu, you can quickly start the functions simply by pressing key.

Alarms

Menu 9.2

If you set the alarm, the  appears on the indicator bar. The specified alarm sounds at the scheduled time. Press  to stop the alarm, and the alarm is released. Press the right soft key [Snooze] and choose the snooze interval. The alarm sound stops and resumes after the selected Snooze duration. You can configure up to 5 alarms.

1. Select your desired alarm to configure in the alarm list. If there is no alarm, press the left soft key [Add] to add a new alarm.
2. **Set/Cancel alarm:** Set or cancel the alarm using the options for specifying whether the alarm is on or by choosing the alarm time.

3. **Input alarm time:** Input your desired alarm time by specifying Hour and Minute. Choose either 'AM' or 'PM' which is visible if 12 hour format is specified for the phone.
4. **Select repeat mode:** Select the desired repeat mode using  or select the desired one from the list by pressing left soft key [List].
5. **Select bell:** Select the bell to ring at the alarm time opening the list by pressing left soft key [Edit].
6. **Input memo:** Input alarm name.
7. **Snooze:** You can set the snooze duration for the alarm.
8. When you have finished setting the alarm, press the centre key [Save].

Note

The alarm will go on even when the phone is switched off.

Tools

Calculator

Menu 9.3

The calculator module allows you to perform basic arithmetic functions such as addition, subtraction, multiplication, and division as well as some scientific functions. (sin, cos, tan, log, ln, exp, sqrt, deg, rad)

1. Press the left soft key [Options].
2. Select the appropriate function.

You can enter numbers by using the number keys, and the operators by using  /  / . You can enter a decimal point by pressing . Whenever you press , characters are sequentially deleted in reverse order. Whenever you hold  down, all the characters are deleted in reverse order in one go.

When calculation is complete and the result is displayed on the screen, pressing a symbol saves the result into the symbol, and continues calculation.

Converter

Menu 9.4

Using this menu, users can convert Currency, Surface, Length, Weight, Temperature, Volume and Velocity.

1. Select the unit menu.
2. Users can set a exchange rate using option menu.
3. Enter the current rate, and then you can convert from one currency to another.
4. You can view the value of units.
5. Press [Reset] to clear the current input Field.
6. To exit the conversion function, press the [Back] key.

World time

Menu 9.5

The World time function provides time information on major cities worldwide.

1. You can select a desired city as a base using the left soft key [Options] - [Add city] - Press the left soft key [Map].
2. You can Change the city using the left soft key [Options] - [Change city] or [Change current city].
3. You can apply to Daylight Saving time using the left soft key [Options] - [Daylight saving].
4. You can Select the Analog clock mode [Options] - [Analog clock].

STK(USIM service)

Menu 9.6

Depending on whether you have SAT support services or not (i.e. USIM Application Toolkit) on the USIM card, this menu (Menu #.8.3) may be different.

If the USIM card supports SAT services, this menu will be the operator-specific service name stored on the USIM card, for instance “Special”. Please refer in that case to the information provided with your USIM card for further information on how to use the related options.

Connectivity [Menu 0]

Bluetooth

Menu 0.1

Bluetooth connection

Your phone has built-in Bluetooth wireless technology which makes it possible for you to connect your phone wirelessly to other Bluetooth devices such as a handsfree, PC, PDA or other phones.

You can, for example, have a conversation via a cordless Bluetooth handsfree or browse the Internet, wirelessly connected via a mobile phone. You can also exchange, for example, business cards, calendar items and pictures.

Note

We recommend that your phone and the Bluetooth device you are communicating with be within a range of 10 meters. The connection may be improved if there are no solid objects between your phone and the other Bluetooth device.

1. Getting started

- **Menu → 7. Settings → 6. Connectivity → 1. Bluetooth → 1. Turn on/off**

To use the Bluetooth function, you must first set **Turn on**.

2. Configuring Bluetooth settings

- **Menu → 7. Settings → 6. Connectivity → 1. Bluetooth → 4. Settings**
- **My device visibility:** Set [My handset's visibility] to [Show to all] so that other devices can detect your phone when they are searching for a Bluetooth device. If you select [Hidden], other devices will not be able to detect your phone when they are searching for a Bluetooth device.
- **My device name:** You can name or rename your phone as it will appear on other devices. Your phone's name will be shown on other devices only when [My handset's visibility] is set to [Show to all].
- **Supported services:** You can view the list of devices such as headsets and handsfree kits supported by this Bluetooth enabled phone.

- **My address:** You can check the address of Bluetooth.

Note

When user uses Bluetooth Device in the handset, the security of the handset is at risk. Therefore, we recommend that Bluetooth visibility be set to Hidden after configuration or device pairing. For incoming files via Bluetooth regardless of paired devices, you can choose to accept or reject the connection, after checking the sender details.

3. Search and pair new device

<Searching new device>

You can search new device as following menu.

- **Menu → 7. Settings → 6. Connectivity → 1. Bluetooth → 2. Search new device**

<Pairing devices>

1. To search for a Bluetooth device to pair, press **Add new device**.
2. Screen shows **Searching for devices**. Bluetooth devices within a range of 10m will be found.

3. If Bluetooth devices are found, these devices are listed on the screen. If no Bluetooth device is found, you will be asked if you want to search again.

4. Pairing procedure

- Press . A window will appear on the screen asking you to enter your password.
 - After creating a password (of 1 to 16 digits), the user of the other device must enter the password for pairing. The user of the other device must know the password in advance for authentication.
- ▶ KU380 supports follow Bluetooth services
 - Headset profile
 - Hands-free profile
 - Object push profile
 - File transfer profile
 - Dial-up networking profile
 - Serial port profile

Option

- ▶ **Add new device:** Using this menu, you can pair a new Bluetooth device with your phone.

Connectivity

► Connect

1. If you want to open the connection to the selected device, select the **Connect**.
2. If you want to close the connection to the selected device, select the **Disconnect**.

► **Delete:** Using this menu, you can delete the paired Bluetooth device.

► **Delete all:** Using this menu, you can delete all of the paired Bluetooth devices.

<Pairing devices>

1. To search for a Bluetooth device to pair, press **Add new device**.
2. Screen shows **Searching for devices**. Bluetooth devices within a range of 10m will be found.
3. If Bluetooth devices are found, these devices are listed on the screen. If no Bluetooth device is found, you will be asked if you want to search again.
4. Pairing procedure
 - Press . A window will appear on the screen asking you to enter your password.

- After creating a password (of 1 to 16 digits), the user of the other device must enter the password for pairing. The user of the other device must know the password in advance for authentication.

<Deleting devices>

1. Select a device to delete from the Paired devices screen.
2. You can delete a device by pressing the **Delete** key or by selecting **Options → Delete**. To delete all paired devices, select **Options → Delete All**.

<Transmitting data using Bluetooth>

1. To transmit data from your phone to another Bluetooth device, first select the application where the target data is saved. For example, to send data in the **My Files** to another device, select **Menu → 3. My Files → 2. My images / 3. My sounds / 4. My videos / 6. Others / 7. My memory card → Select data to transmit → Send → 3. Bluetooth**

2. Transmitting data

- 1) Paired device found is displayed.
If the desired device does not exist in the list, select [Refresh].
- 2) Select the device to which you want to transmit data from the devices on the screen and press .
- 3) If the other party selects [Yes] for [Connection request], the data is transmitted.

Synchronisation Menu 0.2

If Sync service is supported by your network operator, this service function synchronizes the data in a phone and the data on a server such as Contacts, Calendar, To do, and Memo via a wireless network.

Connect

1. Select the Connect item and then press .
2. Connect to the server with the selected server profile and the synchronization animation is displayed while the synchronization is performed.

Logs

Select the Logs item and then press  to view the log for the last synchronization operation performed.

Server synch. centre

1. Select the Server synch. centre item and then press .
2. This menu allows you to configure the profile for a synchronization server.
 - ▶ **Profile name:** Input the name for the profile.
 - ▶ **Host address:** Contact your service provider.
 - ▶ **SyncML proxy:** Contact your service provider.
 - ▶ **User name:** Enter your user ID for synchronization server.
 - ▶ **Password:** Input your password.
 - ▶ **Contacts:** Select whether to synchronise Contacts or not.
 - ▶ **Contact name:** Input the contacts database name for server access.
 - ▶ **Calendar:** Select whether to synchronise Calendar or not.

Connectivity

- ▶ **Calendar name:** Input the calendar database name for server access.
- ▶ **To do:** Select whether to synchronise Tasks or not.
- ▶ **To do name:** Input the Tasks database name for server access.
- ▶ **Memo:** Select whether to synchronise Memo or not.
- ▶ **Memo name:** Input the Memo database name for server access.
- ▶ **Sync type:** Select the synchronization type below.
 - Normal
The phone and the server are required to exchange information about the modified data.
 - Backup
The phone sends all the data from a database to the server. The server is expected to replace all data in the target database with the data sent by the phone. This means the phone overwrites all the data in the server database.
 - Restore
The server sends all its data from a database to the phone. The phone is expected to replace all data in the target database with the server sent by the server. This means the server overwrites all data in the phone database.
- ▶ **Access point:** Select an access point to use for the data connection.
- ▶ **Sync mode:** Select the synchronization mode below.
 - Manual
The synchronisation will only occur when explicitly initiated by the user.
 - Automatic
The application will automatically initiate a sync, based on the preferences defined (either a regular reminder or after changes have been made.)
 - Sync frequency
Select the automatic sync preference when you choose automatic sync mode.

USB connection mode

Menu 0.3

You can activate USB connecton mode of your phone for serveral usages.

If you use Mass storage function like USB memory card, select Mass storage in this menu. Mass storage is available for only external memory card.

If you use Data service such as PC suite application, select Data service in this menu.

Browser [Menu ✕]

Home

Menu ✕.1

You can launch the web browser and access the homepage of the activated profile on Browser settings.

Enter address

Menu ✕.2

You can manually enter a URL address and access the associated web page.

- ▶ To enter a symbol, press the left soft key [Options] and select **1.Insert Symbol** from **Options** menu.
- ▶ To switch input mode, press the left soft key [Options] and select **2. Input method**.

Bookmarks

Menu ✕.3

You can store frequently accessed or favourite URLs/Pages. **Send, Add new, Edit, Mark/Unmark** or **Delete** operations can be performed on **Bookmarks**. Several preconfigured URLs are stored as bookmarks.

Adding a new bookmark

1. Press the left soft key [Options] and select **2.Add new** from **Options** menu.

2. Enter the title and associated URL information.

3. Press **OK** to save.

Connecting to a desired bookmark

Press **OK** to connect a desired bookmark.

Sending the bookmark to others

Select **Send** from **Options** menu. You can send it via **Message** or **Email**.

Deleting a bookmark

Select **Delete** from **Options** menu. You can delete multiple bookmarks using the **Mark/Unmark** option.

Editing a bookmark

Select **Edit** from **Options** menu. Edit the title and associated URL information. Press **OK** to save.

Saved pages

Menu ✕.4

The phone can save the page on display as an offline file. Up to 20 pages can be saved.

History

Menu * .5

You can view the list of the pages you've already connected.

Settings

Menu * .6

You can change the settings for browser connectivity and display.

Profiles

(Menu * .6.1)

Select the appropriate profile by pressing . This will activate the profile to initiate the browser launch.

Appearance settings (Menu * .6.2)

► Character encoding

Sets the browser default character set to one of the following:
Automatic, English(ASCII),
English(ISO), English(LATIN),
Unicode(UCS2 BE), Unicode(UCS2 LE), Unicode(UCS2 Auto),
Unicode(UTF-16 BE), Unicode(UTF-16 LE), Unicode(UTF-16 Auto),
Unicode(UTF-8).

► Scrolling control

Allows you to set the scroll speed by selecting the number of lines to scroll. Select from the menu either 1 line, 2 lines or 3 lines.

► Show image

Allows you to enable or disable the image display during browsing.

Note

Enabling this function will delay displaying images until the completion of transmission. Disabling this function will prevent the browser from downloading images from the server, thus allowing faster transmission.

► Java script

Select whether to turn JavaScript **On** or **Off**.

Cache

(Menu * .6.3)

Enabling Cache allows you to store accessed pages to your phone. Once a page has been stored in the Cache it will greatly enhance the page loading speed on subsequent browsing of the same page.

Browser

Cookies (Menu ✖.6.4)

Enabling Cookie allows you to store cookies sent from the server. Disabling this function will prevent cookies from being stored on your phone.

Security (Menu ✖.6.5)

Certificates list

Certificates can be viewed from the list.

Session clear

Secure (WTLS/TLS) session data can be cleared using this option.

Reset settings (Menu ✖.6.6)

Select this to reset your phone to its default browser configuration.

Settings [Menu #]

Profiles

Menu #.1

You can select ringtone or vibration for an incoming call and configure the sound and volume of the ringtone, key tone, and sound effect, according to a profile. The profiles provided include [Normal], [Silent], [Vibrate only], [Outdoor], [Headset], [Customised 1], [Customised 2], and [Customised 3]. Select a profile, and press **OK** to activate the profile. After pressing the left soft key [Options], select the Edit menu for the [Normal], [Outdoor], [Headset], [Customised 1], [Customised 2] and [Customised 3] profile to change the configuration. A different list of options is available for each profile that has been selected for editing.

▶ Alert by

This option determines the incoming call notification mode. You can select from [Ring], [Vibration], [Silent], [Ring & vibration], [Ring after vibration], [Max Ring & Vibration].

▶ Voice ringtone

You can select the ringtone for incoming voice calls.

▶ Video ringtone

You can select the ringtone for

incoming video calls.

▶ Volume

Set the ringtone volume.

▶ Message alert

You can set how often the phone is to inform you of a received message until it is read.

▶ Message tone

You can select a file from among your own personal files or from the default files, to be played by the phone upon receiving a message.

▶ Key tone

You can set the key tone to be played when pressing the keys.

▶ Key tone volume

You can set the volume of the chosen key tone, choosing from 7 available levels.

▶ Slide tone

Select the desired tone the phone will emit when you slide up/down the phone.

▶ Confirmation tone

You can set the confirmation tone to be played by the phone to confirm actions.

► **Start up sound**

You can set the effect to be played when the phone is switched on.

► **Select start up sound**

You can select which file will be played when the phone is switched on.

► **Power off sound**

You can set the effect to be played when the phone is switched off.

► **Select power off sound**

You can select which file will be played when the phone is switched off.

Phone

Menu #.2

Auto key lock

(Menu #.2.1)

If you activate this function, the keypad will be locked automatically after predefined delay time when the slide is closed.

Language

(Menu #.2.2)

Select the display language. You can select **Automatic** language option to change display language to the USIM card supported language.

Power save

(Menu #.2.3)

When you don't use a phone, you can save the power activating this menu.

Handset info.

(Menu #.2.4)

This functions shows the USIM card telephone number, model name and software version of the mobile phone.

Screen

Menu #.3

This menu allows you to personalise the display options of the screens and of the menus entire graphic interface.

Screen theme

(Menu #.3.1)

You can set the screen theme to be displayed on the main screen.

Home screen

► **Wallpaper:** You can select an image to be displayed on the main screen.

► **Homescreen usage:** You can select using the Homescreen aggregator menu on the main screen.

Outgoing call

You can select the image to be displayed while trying to call.

Start up

You can select the image to be displayed while the phone is being switched on.

Shut down

You can select the image to be displayed while the phone is being switched off.

Menu style (Menu #.3.2)

You can select the desired menu style from Grid style and One by one style.

Font (Menu #.3.3)

You can set the font style, dialling font size, and dialling font colour using .

Backlight (Menu #.3.4)

You can set the backlight duration and the brightness on the Home screen and the duration on the Keypad individually.

Handset theme (Menu #.3.5)

You can set the theme of handset: White or Black

Greeting message (Menu #.3.6)

You can insert the message when switching on the phone.

Date & Time Menu #.4

Although the current time is automatically configured when the phone is registered to the network, users can configure the time and date directly using this menu. The time configured by the user is valid only while the phone is turned on.

Time

1. Select the **Time** item from the Date & time list, and then press .
2. Move to your desired field, **Hour**, **Minute**, or am/pm field using the navigation keys. (When you have selected **12 hour** as **Time format**)
3. Enter **Hour**, and **Minutes** using the number keys.
4. Select the time format using .
5. Scroll down to select the hour indicator format i.e. Off, Cuckoo clock or Chime bell.
6. Press the centre soft key  to set the time with the specified value.

Settings

Date

1. Select the **Date** item from the Date & time list, and then press .
2. Select the date format using   .
3. Enter **Day**, **Month** and **Year** using the number keys.
4. Press the centre soft key  to set the date with the specified value.

Auto update date/time

When Auto Update is configured to **On**, the time and date are automatically updated according to the current time zone. If **Confirm first** is selected, the time and date update is confirmed before it is updated automatically.

Daylight saving

Select whether to activate the daylight saving function or not. You can set the Summer time difference of selected home city for 1 hour or 2 hours.

Flight mode

Menu #.5

If you activate the Flight mode, you can use the phone without connecting the 3G wireless network. 3G wireless phone and FM radio signals from the phone or Bluetooth connections are prevented,

but you can still do tasks which do not require the use of wireless network. With flight mode you cannot make any calls including emergency calls or use other features that require network service.

Network

Menu #.6

Select Network

Select between Automatic and Manual.

- ▶ **Automatic:** Automatically searches for the network and registers the handset to the network. This is recommended for best service and quality.
- ▶ **Manual:** All the currently 2G(GSM) and 3G(UMTS) available networks are shown and you can select one of them for registration. If the registration of the network has failed, the network lists are listed again and you can select any other one for registration.

Note

When your handset lose the network in manual mode, the popup message to select the available network will be shown in the Idle screen.

Network mode

You can set a type of network to search for when networks are searched in the Select network menu.

- ▶ **Automatic:** Searches all the networks connectable.
- ▶ **UMTS:** Searches only networks supporting 3G. (Except for Swiss)
- ▶ **GSM 900/1 800:** Searches only networks supporting GSM 900/1 800 band.
- ▶ **GSM 1 900:** Searches only networks supporting GSM 1 900 band.

Preferred lists

If the network is searching automatically, you can add a preferable network to be connected to. And the following options are available.

- ▶ **Add new:** You can add a new network using the followings.
 - **Search:** You can select one from the network list stored in the phone.
 - **Enter new network:** You can enter the country code (MCC), the network code (MNC) and RAT to add.

- ▶ **Delete:** Deletes the selected network.
- ▶ **Edit:** You can modify the information of the selected network.
- ▶ **Move up:** Moves the selected network upward.
- ▶ **Move down:** Moves the selected network downward.

Access points

This menu shows the access point list. You can create new profiles, delete or edit them by using the Option Menu. However, you cannot delete or edit default configurations depending on country variant.

You can edit the following configuration items by pressing the left soft key [Option] and Edit.

Connection title	Access Point profile name.
Bearer	Choose the bearer from the list. (Default is UMTS.)
Authentication	Choose the authentication from the list. (Default is No auth)
User name	Information provided by service provider.

Settings

Password	Information provided by service provider.
APN	APN name to access network. Information provided by service provider.

- ▶ Press confirm key to save any configuration changes.

Streaming

If you want to set different network setting to play streaming content, you can set different network settings.

Security

Menu #.7

PIN code request

When this is set to On, you are requested to enter your PIN each time you switch the phone on.

Note

- ▶ Press the right soft key in the PIN code entry window to return to the previous step.
- ▶ 3 incorrect PIN code entries would invalidate the PIN code. And you have to enter the PUK (PIN Unblock Key) code to configure the PIN code again.
- ▶ The maximum number of times you may enter the PUK code is 10. (Note: If you enter an incorrect PUK code 10 times, the USIM card will be blocked and must be replaced.)
- ▶ If the PIN code request cannot be disabled by operator settings, you will not be able to choose this menu item.

Handset lock

You can lock your phone. The following 4 lock functions are available.

When switching on: Locks the handset whenever the handset is switched on.

If USIM changed: Locks the handset when the phone's USIM card has been changed.

Immediate: Locks the handset immediately.

None: Deactivates the lock function.

You are requested to enter the security code to confirm the selection.

- To unlock the handset, you need to enter the security code.

Change codes

You can change the PIN, PIN2, and the mobile phone password.

PIN code

PIN is the abbreviation for Personal Identification Number, and is used to restrict use by an unauthorised user.

PIN code change procedure

1. Select 'PIN code' from the 'Change codes' list and then press **OK**.
2. Enter the current PIN code, and press **OK**.
3. Enter the new PIN code, and press **OK**.
4. Enter the new PIN code once again, and press **OK**.
 - If the PIN code is different from that of step 3, the procedure is restarted from step 3.
5. When the PIN code is **changed** properly, a Changed message is displayed. If you enter an incorrect PIN code in step 2, the procedure is restarted from step 2, and the number of attempts you have left to enter the number decreased by 1.
6. Press the right soft key in the PIN code entry window to return to the previous step.

Settings

Note

Three incorrect PIN code entries in the PIN code entry window would invalidate the PIN code. In this case, you have to enter the PUK (PIN Unblock Key) code to configure the PIN code again. The maximum number of times you may enter the PUK code is 10. (Note: If you enter an incorrect PUK code 10 times, the USIM card will be blocked and must be replaced.)

PIN2 code

PIN2 is the abbreviation for Personal Identification Number 2, and is used to restrict use by unauthorised users as with the PIN. The PIN2 code change procedure is the same as the one for the PIN code. 3 incorrect PIN2 code entries would invalidate the PIN2 code. In this case, you have to enter the PUK2 code in order to use the PIN2 code again. The maximum number of times you may try to enter the PUK2 code is 10, like PUK1. 10 incorrect PUK2 code entries would invalidate the PIN2 code.

Security code

The security code is used to change the mobile phone password. The maximum number of attempts to enter the security code is not limited as it is with PIN and PIN2.

Memory manager Menu #.8

Handset common memory

This function shows the status of the user memory of the mobile phone. Since this function scans the overall file system for statistics, a few seconds are required.

Handset reserved memory

This function shows the status of the User reserved memory. The usual contents are Text msg, Contacts, Calendar, To do, Memo, Alarms, Call history, and Bookmarks. And it gives a clear illustration of the actual amount compared with the total amount for each item.

USIM memory

This function shows the status of the USIM card user memory.

External memory

This function shows the status of the External card user memory. This function displays the In-use and free memory usage statistics.

Primary storage setting

You can select the storage to download the file: Handset memory or External memory.

Reset settings Menu #.9

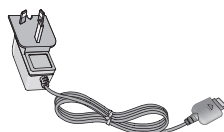
Select this to reset your phone to its default configuration. You are requested to enter the security code.

Accessories

There are various accessories for your mobile phone. You can select these options according to your personal communication requirements.

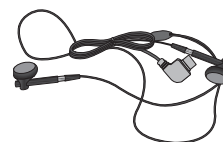
Travel Adapter

This charger allows you to charge the battery while away from home or your office.



Hands free ear-microphone and music player controller combo

Stereo headset

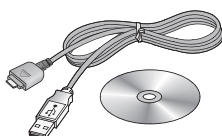


Standard Battery



Data cable/CD

You can connect your phone to PC to exchange the data between them.



Note

- ▶ Always use genuine LG accessories.
- ▶ Failure to do so may invalidate your warranty.
- ▶ Accessories may vary in different regions: please check with our regional service company or agent for further information.

Technical data

General

Product name: KU380

System: GSM900/DCS1800/PCS
1900/WCDMA 2100

Net weight: 67.5g (Without battery)

Ambient temperatures

Max: +55°C (Normal) /
+45°C (Charging)

Min: -10°C

Declaration of Conformity



Suppliers Details

Name

LG Electronics Inc

Address

LG Electronics Inc. LG Twin Towers 20,
Yeouido-dong, Yeongdeungpo-gu, Seoul, Korea 150-721

Product Details

Product Name

E-GSM 900 / DCS 1800/ PCS 1900 / W-CDMA Terminal Equipment

Model Name

KU380

Trade Name

LG

CE 0168

Applicable Standards Details

R&TTE Directive 1999/5/EC
ETSI EN 301 489-01 V1.6.1, ETSI EN 301 489-07 V1.3.1
ETSI EN 301 489-17 V1.3.1, ETSI EN 301 489-24 V1.3.1
ETSI TS 151 010-1 V5.9.0 specified by ETSI EN 301 511 V9.0.2
ETSI TS 134 121 V5.5.0 specified by ETSI EN 301 908-1 V2.2.1
ETSI EN 301 908-2 V2.2.1, ETSI EN 300 328 V1.4.1
EN 50360/EN 50361:2001
EN 60950-1 : 2001

Supplementary Information

The conformity to above standards is verified by BABT.

Declaration

**I hereby declare under our sole responsibility
that the product mentioned above to which this
declaration relates complies with the above mentioned
standards and Directives**

European Standard Center
LG Electronics Logistics and Services B.V.
Veluwezoom 15, 1327 AE Almere, The Netherlands
Tel : +31 - 36-547 - 8940, Fax : +31 - 36 - 547 - 8794
e-mail : jacob @ lge.com

Name

Issued Date

Seung Hyoun, Ji / Director

03.SEP. 2007

Signature of representative

MANUFACTURER'S WARRANTY

Australia & New Zealand

1. WHAT THIS WARRANTY COVERS:

LG offers you a warranty that the enclosed Product and its enclosed accessories will be free from defects in material and workmanship according to the following terms and conditions:

- (1) The warranty for the Product is for ONE (1) year beginning on the date of purchase of the Product.
- (2) The warranty extends only to the original consumer purchaser of the Product ("Customer") and is not assignable or transferable to any subsequent customer. LG offers a warranty for genuine LG battery packs, extending SIX (6) months from the date of purchase.
- (3) This warranty is only valid to the original purchasing Customer for the duration of the warranty period as long as it is purchased and used in AUSTRALIA or NEW ZEALAND.
- (4) During the warranty period, any defective LG Product or part will be repaired or replaced by LG or its authorised service centre, at LG's option, with new or factory rebuilt replacement items. LG or the authorised service centre will return the Product to the Customer in working condition. No charge for either parts or labour in repair or replacement of the Product will be incurred by the Customer. If parts, boards or equipment are replaced, they shall become the property of LG.
- (5) Upon request from LG, the Customer must provide LG with proof of the date of purchase.
- (6) The Customer will bear the cost of transporting, delivering and handling the Product to and from LG or its authorised service centre.
- (7) The benefits available from this warranty are in addition to all applicable statutory rights.

2. WHAT THIS WARRANTY DOES NOT COVER:

- (1) Defects or damage resulting from use of the Product in other than its normal and customary manner.
- (2) Defects or damage from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorised modifications, unauthorised connections, unauthorised repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.
- (3) Breakage or damage to antennas, unless caused directly by defects in material or workmanship.
- (4) If the Customer does not notify LG of the alleged defect or malfunction of the Product during the applicable warranty period, the Customer shall have no coverage or benefits under this warranty.
- (5) Products which have had the serial number removed or made illegible.
- (6) If the battery short circuits or the seals of the battery are broken or show evidence of tampering, or the battery was used in equipment in a manner other than that which has been specified, the Customer shall have no coverage or benefits under this warranty.
- (7) Damage resulting from use of non-LG approved accessories.
- (8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses.)

(12) Defects or damage resulting from breakage of or tampering with the LCD screen.

(13) Where applicable, Products that have been subject to an unauthorised removal or deactivation of the network operator lock function.

3. STATEMENT

Except for those terms that cannot by law be excluded, all terms other than those expressly contained in this warranty statement are excluded. To the extent permitted by law, LG excludes all liability (whether in contract, tort or otherwise) for any consequential, special, incidental or indirect loss or damage including loss of profit, loss or impairment of privacy of conversations, work stoppage or loss or impairment of data arising out of the use or inability to use the Product.

4. HOW TO GET WARRANTY SERVICE:

To obtain information regarding warranty service, please call the following toll free telephone numbers;

AUSTRALIA:

LG Electronics Australia Pty Ltd
2 Wonderland Drive
Eastern Creek NSW 2766
PO Box 212
HORSLEY PARK NSW 2175
Tel: 1800-638-080
Fax: 02-8805-4201

NEW ZEALAND:

LG Electronics Australia Pty Ltd
Unit A, 38 Highbrook Drive
East Tamaki 2013
PO Box 58195 Greenmount
Auckland 2141
Tel: 0800-666-780
Fax: 09-914-2441



LG Electronics Australia Pty Ltd.

MEMO

MEMO

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