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Introduction

Thank you for purchasing this Panasonic digital cellular phone. This phone is designed to operate on GSM networks – GSM850 or GSM1900. It also supports GPRS for packet data connections. Ensure the battery is fully charged before use.

Safety Considerations

The following information should be read and understood as it provides details which will enable you to operate your phone in a manner which is both safe to you and your environment, and conforms to any legal requirements regarding the use of cellular phones.

Power

This equipment should only be charged with approved charging equipment. Other usage will invalidate any approval given to this apparatus and may be dangerous. The use of approved charging equipment is recommended to ensure optimum performance and avoid damage to your phone. Ensure the voltage rating of the Fast Travel Charger is compatible with the area of use when travelling abroad.
A Fast Travel Charger (EB-CAG60xx*) is supplied with the Main Kit. Other recommended equipment for charging – Car Charger (EB-CDG60).
Note* xx identifies the charger region, e.g. CN, EU, UK.

Battery

Use of a Battery Pack other than that recommended by the manufacturer may result in safety hazard.

Aircraft

Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network and may be illegal. Failure to observe this instruction may lead to the suspension or denial of cellular phone services to the offender, or legal action or both.

Battery Disposal

IDo not incinerate or dispose of the battery as ordinary rubbish. The battery must be disposed of in accordance with local legislation and may be recycled.

Do Not Use

It is advised not to use the equipment at a refuelling point. Users are reminded to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress. Never expose the battery to extreme temperatures (in excess of 60°C).

Driving

It is imperative that the driver exercises proper control of the vehicle at all times. Do not hold a phone while you are driving; find a safe place to stop first. Do not speak into a Handsfree microphone if it will take your mind off the road. Always acquaint yourself thoroughly with restrictions concerning the use of cellular phones within the area you are driving and observe them at all times.

Electronic Devices

Care must be taken when using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.

Efficien Use

If you use the feature which keeps key backlight on continuously for a long time, such as game or browser, battery life will become extremely short. To maintain longer battery life, set the key backlight off (see “Backlight time” on page 35).

For most efficient use, hold the phone as you would any normal phone. To avoid deterioration of signal quality or antenna performance, do not touch or “cup” the antenna area while the phone is switched on. Do not leave the camera facing direct sunlight to avoid impairing camera performance. Unauthorised modifications or attachments may damage the phone and violate applicable regulations. The use of an unapproved modification or attachment may result in the invalidation of your guarantee – this does not affect your statutory rights.

Heating Equipment

When your handset, the accompanying battery or charging accessories are wet, do not put those in any type of heating equipment, such as a microwave oven, a high pressure container, or a drier or similar. It may cause the battery, handset and/or charging equipment to leak, heat up, expand, explode and/or catch fire. Moreover, the product or accessories may emit smoke and their electrical circuits may become damaged and cause the products to malfunction. Panasonic is not responsible for any and all damages, whether direct or indirect, howsoever caused by any misuse.

The colour liquid crystal display (LCD) uses high-precision production technology, and in certain circumstances pixels may appear brighter or darker. This is due to characteristics of the LCD and is not a manufacturing defect.

This equipment should only be used with Panasonic approved accessories to ensure optimum performance and avoid damage to your phone. Panasonic is not responsible for damage caused by using non-Panasonic approved accessories.
This phone must be used in compliance with any applicable international or national law or any special restrictions governing its use in specified applications and environments. This includes but is not limited to use in hospitals, aircraft, whilst driving and any other restricted uses.

Backup Copies and Security

It is recommended that you create a copy or backup, as appropriate, of any important information and data which you store in your phone's memory. In order to avoid accidental loss of data, please follow all instructions relating to the care and maintenance of your phone and its battery. Panasonic accepts no liability for any and all losses howsoever arising from any loss of data, including but not limited to direct and indirect losses (to include, but not limited to consequential loss, anticipated savings, loss of revenue).

Your phone has the capability of storing and communicating personal information. It is recommended that you take care to ensure that any personal or financial information is stored separately from your phone. You should use security features, such as the SIM lock to protect information held in your phone. Panasonic accepts no liability for any and all losses howsoever arising from any loss of data, including but not limited to direct and indirect losses (to include, but not limited to consequential loss, anticipated savings, loss of revenue).

Downloading

Your phone has the capability of downloading and storing information and data from external sources. It is your responsibility to ensure that in doing this you are not infringing any copyright laws or other applicable legislation. Panasonic accepts no liability for any and all losses howsoever arising from any loss of data or any such infringement of copyright or intellectual property rights, including but not limited to direct and indirect losses (to include, but not limited to consequential loss, anticipated savings, loss or revenues).

Camera

You are advised to take appropriate care over the use of the internal camera. It is your responsibility to ensure that you have permission to take photographs of people and objects and that you do not infringe any personal or third party rights when using the camera. You must comply with any applicable international or national law or other special restrictions governing camera use in specific applications and environments. This includes not using the camera in places where the use of photographic and video equipment may be prohibited. Panasonic accepts no liability for any and all losses howsoever arising from any infringement of copyright or intellectual property rights, including but not limited to direct and indirect losses.

The display layouts and screenshots within this document are for illustrative purposes and may differ from the actual displays on your phone. Panasonic reserves the right to change the information in this document without prior notice.

This Panasonic mobile phone is designed, manufactured and tested to ensure that it complies with the specifications covering RF exposure guidelines applicable at the time of manufacture, in accordance with EU, USA FCC, and Australian ACA regulations.

Please refer to our website for latest information/standards and compliance in your country/region of use.
http://www.panasonicmobile.com

Care and Maintenance

Pressing any of the keys may produce a loud tone. Avoid holding the phone close to the ear while pressing the keys.

Extreme temperatures may have a temporary effect on the operation of your phone. This is normal and does not indicate a fault.
If you use the phone for a long time in temperatures over 40°C, the display quality may deteriorate.

Do not modify or disassemble the equipment. There are no user serviceable parts.

Do not subject the equipment to excessive vibration or shock.
Do not drop the battery.

Avoid contact with liquids. If the equipment becomes wet immediately remove the power and contact your dealer.

Do not leave the equipment in direct sunlight or a humid, dusty or hot area. Never throw the battery into a fire. It may explode.

Keep metallic items that may accidentally touch the terminals away from the equipment. Batteries can cause property damage, injury, or burns if terminals are touched with a conductive material (for example, metal, jewelry, keys, etc.)

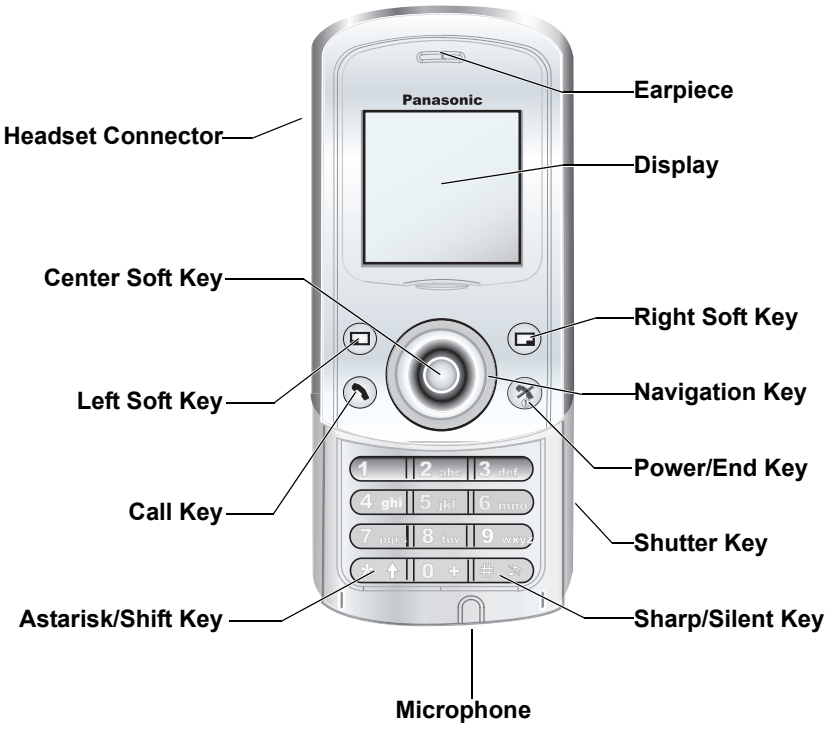
Always charge the battery in a well ventilated area, not in direct sunlight, between +5°C and +35°C. It is not possible to recharge the battery if it is outside this temperature range.

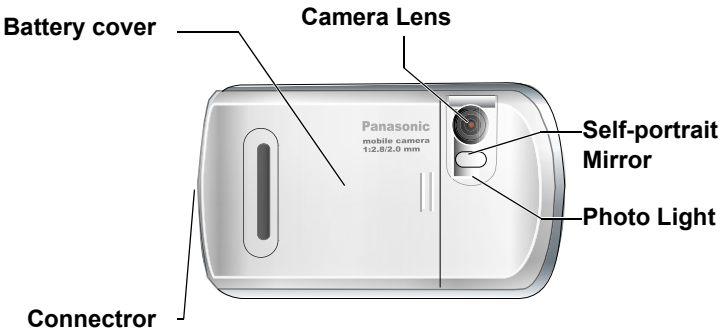
When connecting the phone to an external source, read the operating instructions of the equipment for the correct connection and safety precautions. Ensure the phone is compatible with the product it is being connected to.

When disposing of any packing materials or old equipment check with your local authorities for information on recycling.

Appearance

Part Names and Functions





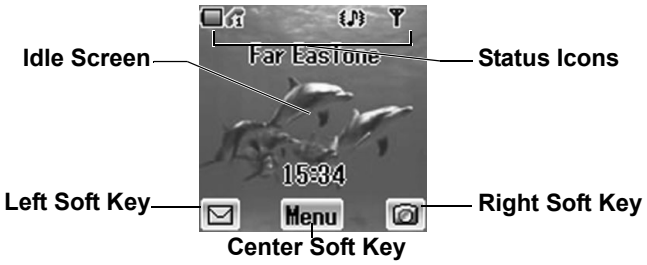
Keys and Symbols

Keys	Names	Description
	Center Key	Press center of the Navigation key to select or enter the menu options
	Navigation Key	Direction which the user can move around the display screen using the Navigation key
	Left Soft Key	Perform the functions indicated by text shown in the lower left corner of the display
	Right Soft Key	Perform the functions indicated by text shown in the right corner of the display
1 - 0 +	Numeric Keys	Enter numbers Mainly used to cancel or return to the previous menu level Hot key dialling
	Call Key	Press to answer or make a call
	Power/End Key	Press to end a call or return to Idle screen Press and hold to switch the phone on or off
	SIM	Indicates that the function is SIM dependent
	Network	Indicates that the function is Network dependent

Icons

Status Icons

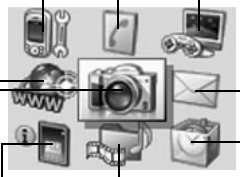
The status icons are displayed according to the currently activated functions. The Antenna, Signal and Battery icons are displayed when the handset is switched on and connected to a network.



- - - Green Red	Indicates **Battery Level**	page 15
	On non-home network – **Roaming**	
	Received new messages	
	Media Folder is full	
	Alarm is set	
	Call Divert is enabled	
	Voicemail activated	
	Ringer is enabled	
	vibration mode	
	vibrate + ring	
	flashing mode	
	GPRS service available	
	Only emergency calls available	
-	GSM signal strength	
	Connected to Line 1 phone number (SIM dependent)	

Display

The menu system provides the means for accessing all the functions that do not have their own dedicated buttons on the keypad.



My Phone
Customize the phone for yourself.
Set Language, Ringtone or Display settings, etc.

Browser
Access and surf the Internet.
Configure network settings.

Camera
Choose from Land scope mode and Portrait scope mode.
Edit your photos with various Frames.

STK (SIM Tool Kit)

Calendar
When STK is not supported Calender will be displayed.

My Media
Store your multimedia datas.
Downloaded animations, self-composed melodies or photos taken by built in Camera.

Contacts
Create and manage your Contacts.
Group the Contacts numbers for private use or business use to find them easier or to identify them by ring tone.

Games & Apps
Download more to make your phone unique.
Download games, useful applications or utilities.
Downloading any applications are network dependent.

Messages
Create and manage your Messages.
Send multimedia messages to your friends.
SMS/EMS and MMS are available.
Send your message to the world with e-mail.

Applications
Various preinstalled applications.
Compose your own ringtone.
Set the Alarm to remind you important schedule.
Use recorder for voice memo.

Phone Body

Open

1. Hold the phone body in your hand
2. Put your thumb on the protruding portion above the Navigation key
3. Slide up the upper body of the phone slowly

Close

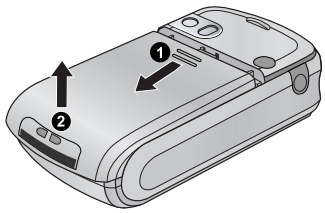
1. Hold the phone in your hand
2. Put your thumb on the protruding portion above the ⌖
3. Slide the upper body of the phone down gently

Battery Cover

Before opening the cover, ensure the phone is switched off and the charger is disconnected from the phone.

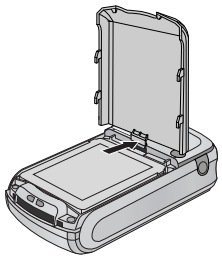
Open

1. Hold on the phone body not to move
2. Push the upper edge of the cove
3. Slide the cover down slowly
4. Move the cover off



Close

1. Put the cover on the battery
2. Slide up the cover till it fits



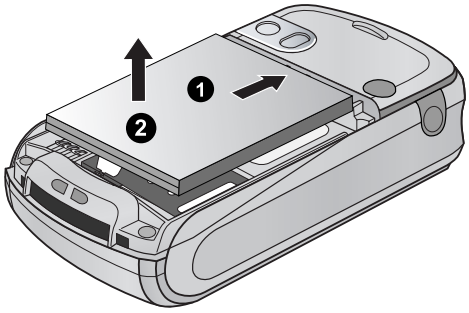
Battery and SIM

Before opening the cover, ensure the phone is switched off, the phone body is closed and the charger is disconnected from the phone.

Battery

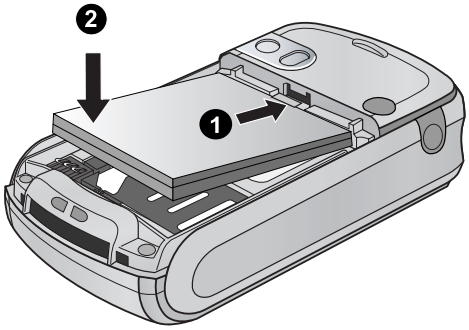
Removing

1. Remove the battery cover (see “Battery Cover” on page 11)
2. Place your finger on lower part of the battery
3. Push toward the upper edge of the battery till it clicks
4. Move the battery up to remove



Attaching

1. Place the upper edge of the battery first (see “Battery Cover” on page 11)
2. Push the lower edge of the battery gently till it clicks

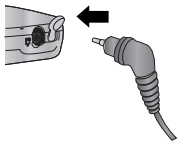


Charging the battery

Ensure the battery is attached before the charger plugged.
DO NOT force the connector as this may damage the phone and/or the charger.

Plug in

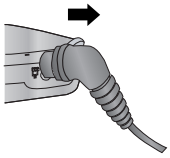
1. Face the arrow mark of the charger up
2. Plug the charger all the way in to the connector
3. Battery level indicator will start (see “Battery level indicator” on page 15)



Note: It is recommended to charge the battery for a minimum of 4 hours before first use.

Plug out

1. Hold the plug of the charger
2. Plug out the charger gently from the connector

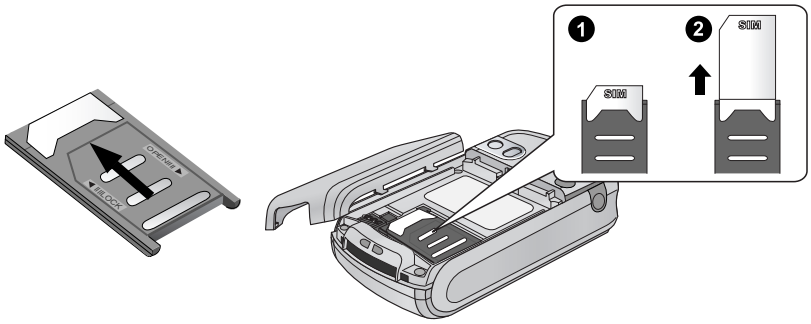


Note: DO NOT pull the cable as this may damage the phone and/or the charger.

SIM

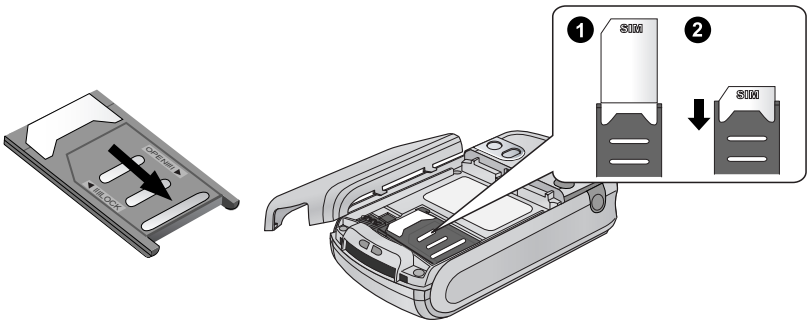
Removing

1. Remove the battery component cover and the battery
2. Move the SIM retainer right till it clicks
3. Rise the whole SIM and retainer up
4. Pull the SIM out
5. Place the SIM retainer back



Attaching

1. Remove the battery component cover and the battery
2. Rise the SIM retainer up
3. Place the SIM in the SIM retainer
4. Lay the SIM retainer down
5. Move the SIM retainer left till it clicks



Note: Ensure the golden metal parts of the SIM and the phone body are facing each other.

Battery level indicator

	Charging complete	While charging	Battery low
Indicator	Green	- Green	Red

Note: It is recommended that the battery is fully discharged between charges to maintain optimum battery life and performance.

Low battery warning

When the battery power is low, the battery indicator will be coloured red. If battery power is critically low, a warning tone will beep. After 3 minutes from the beep, the power will automatically shut of. Plug the charger immediately (see “Charging the battery” on page 13). Calls can be made and received while the phone is charging.

Basic Operations

Switching ON/OFF

To Switch ON/OFF the phone, the phone body must be opened.

1. Press and hold (Power) for 2 to 3 seconds
2. Startup animation will start
3. Customizable Greeting (see “Greeting” on page 34) will be displayed for 2 seconds
4. The display will be stayed in Idle screen

Making a Call

Ensure the phone body is opened, the phone is switched on and the signal strength meter shows network coverage is available in the current area.

Entering numbers

You need to have the area code and the phone number before you call.

In idle screen

1. Enter the area code and phone number 0 + - 9 WXYZ
2. The dialled number is displayed
3. Press (Call)

Ending a call

When you end a call, the duration of the call will be displayed. If the Max Cost (see page xx) is setted, the remaining units will be displayed also.

While on a call

1. Press (End)
2. Duration is displayed
3. Max Cost is displayed (when setted)
   see max cost

Emergency call

In emergency you can make an emergency call with dialling international emergency number 112 which is adopted by most countries. Even when SIM is not attached to the phone, this function is available in most.

In idle screen

1. Enter 112 0 + - 9 wxyz
2. Press (Call)

Note: Making emergency calls without SIM is country or network operator dependent.

History

You can select phone numbers from **Last Call**, **Answered Call** or **Unanswered Call**, and there are recent 50 numbers in **Last Call** and **Answered Call** each, 20 in **Unanswered Call** list.

In idle screen

1. Press (History)
2. Press (Move) to a required list
3. press (Select)
4. Press (Move) to a required number
5. Press (Call)

International call

You need to know the destination country/region code, area code and the phone number before you make an international call.

In idle screen

1. Press and hold 0 + until "**+**" is displayed
2. Enter the country/region code 0 + - 9 wxyz
3. Enter the area code and the phone number 0 + - 9 wxyz
4. Press (Call)

Contacts

You need to store phone numbers in Contacts before using this function (see “Contacts” on page 48).

In idle screen

1. Press ô or ọ(Contacts list)
2. Press ô(Move) to a required entry
3. Select ⌒(Call)

Hot Key

You need to set the Hot key dial before using this function (“Hot key dial” on page 54). To view your hot key dial list see Hot key dial in Contacts menu.

In idle screen

1. Press and hold the appropriate hot key number 0 + - 9 WXYZ
2. The call will start automatically

Service Dial

Your Service Provider may program some special phone numbers into your SIM . You may not modify these numbers.

In idle mode

1. Press ô or ọ(Contacts list)
2. ô(Move) to browse the Service Dial numbers

Note: Only when SIM or All is selected at My Contacts (see my contacts on page xx) SDN (Service Dial Numbers) will be displayed. If your operator does not offer these services, any service numbers will not be displayed.

Incoming Call

Answering

Press any key while the phone is ringing except (End) to answer an incoming call.

Unanswering

If calls are not answered, the number of the missed calls will be displayed. Press any key to clear the display.

Rejecting

While the phone is ringing, press (End) to reject the call. The number of the missed calls will be displayed. Press any key to clear the display.

Auto Answer

When Auto Answer is switched on, and Personal Handsfree is connected, a call will be answered without pressing any keys. Any call waiting should be answered in normal way (see page xx).

Caller's ID

When the phone receive an incoming call and the number is stored in Contacts, the caller's name and the phone number will be displayed.

Rigntone Volume

You can controll the Ringtone Volume during the phone ringing with pressing . To mute, press and hold .

In-call operations

You may use various functions while on a phone.

Volume controlling

You can controll the speaker volume while on a phone with pressing ⇕. To mute, press ⊖.

Holding a call

While on a call

1. Press ⊖(Hold)
2. Press ⊖(Hold) again to resume

Accessing Contacts

You can access the Contacts list that is stored in the SIM or the phone while on a call.

While on a call

1. Press ⌂ or ⇕(Contacts list)
2. ⇕(Move) to a required entry

Messages

You can create, check or send a message while on a call.

While on a call

1. Press ⊖(Messages)
2. ⇕(Move) a required function
   (see “Messages” on page 69)

Hold

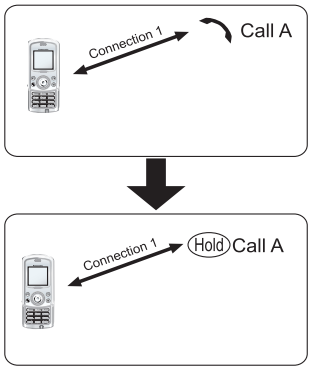
You can put a call on hold.

While on a call

1. Press (Hold)

To resume

1. Press (Hold) again



Call waiting

If Call waiting is on, you can receive another call (see “call waiting” on page xx).

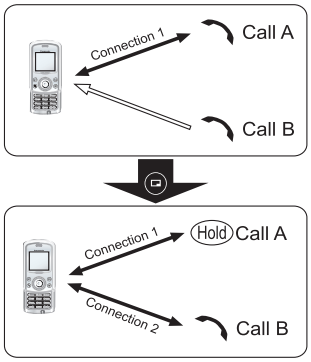
	Current connection	New connection
	Hold	Connect
	End	Connect
	Connect	Reject

Hold and answer

You can Hold a current connection and answer a new caller.

While on a call

1. You hear a sound of new caller
2. Press (Hold)

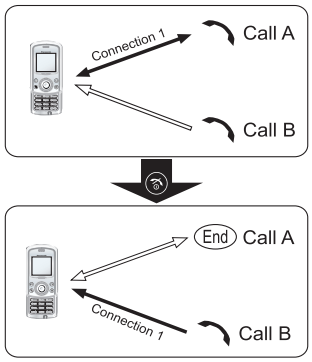


End and answer

You can end a current connection and answer a new caller.

While on a call

1. You hear a sound of new caller
2. Press (End)

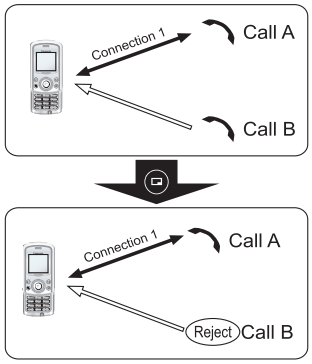


Reject a new caller

You can reject a new caller while you are on a call.

While on a call

1. You hear a sound of new caller
2. Press (Reject)

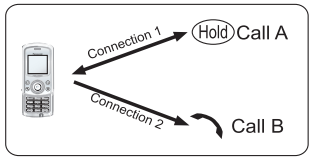


Second call

You can make another call while on a call.

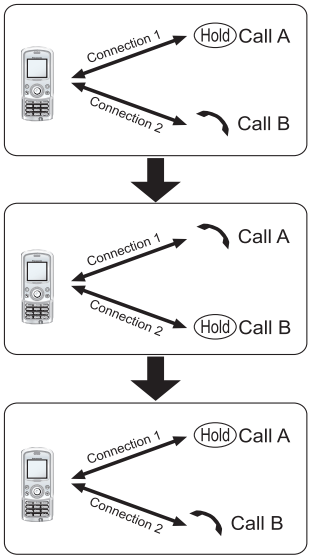
While on a call

1. Enter a required phone number 0 + - 9 WXYZ
   OR
   or (Contacts list) select required number
2. Press (Call)
   The first call will be placed on hold



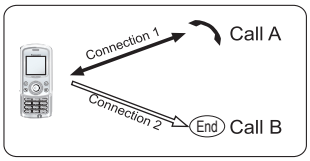
Swapping between 2 connections
You can swap between 2 connections
While on calls

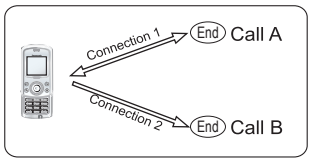
1. Press (Select)
2. (Move) to Swap call
3. Press (Select)



Ending the current connection
While on calls

1. Press (Select)
2. (Move) to Hang up
3. Press (Select)



Ending both connections
While on calls

1. Press (End)