

QUICK GUIDE FOR BENEFON ESC!

BENEFON ESC! Quick Guide



Congratulations on your purchase of the Benefon Esc!, a high quality mobile navigation instrument.

This phone is designed for use on the GSM (Global System for Mobile Communications) 900MHz and PCS (Personal Communications Services) 1900MHz networks

You can use your Benefon Esc! in all countries where the GSM network operators have a roaming contract with your network operator.

The instrument features a powerful 12-channel GPS navigator that works even outside GSM coverage. The unique combination of GPS and GSM equipment in this phone also enables innovative new features like tracking other Benefon Esc! phones.

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FCC/INDUSTRY CANADA NOTICE:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

CERTIFICATION INFORMATION:

FCC ID: QFPTGP77AU
IC: 4350A-TGP77AU



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Some of the features described in this guide may be optional and intended to be purchased separately. For details, please contact your dealer.

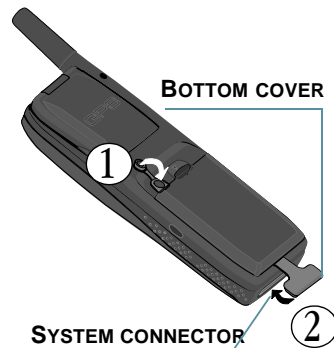
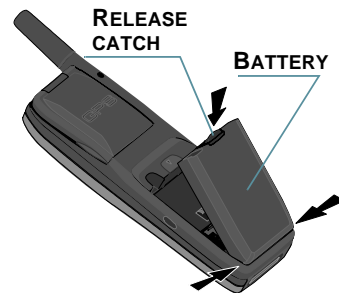
For more information, details and descriptions, including phone configuration and assortment of chargers and accessories, see the Benefon Esc! Owner's Manual, or visit the web site: www.benefon.com.

BENEFON warrants its products to be free of defects in material or workmanship when leaving the factory. A warranty certificate with the date of purchase is enclosed in the delivery. For details, see the warranty certificate.

GETTING STARTED

INSERTING RUBBER SEAL AND FITTING AND REMOVING THE BATTERY

Note that the phone is dust and splash proof only when the rubber seal is inserted correctly in the phone.

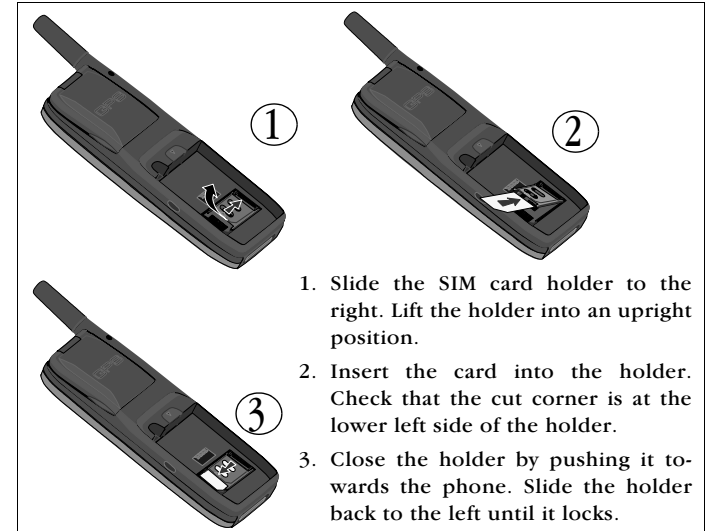


1. Slide the battery downwards, towards the lower corners.
2. Push the battery into the phone until it locks in place. Make sure that the release catch has clicked into place by lifting the catch upwards with a fingernail.
3. The battery should be securely fastened in the battery hole.
4. Lift the cap on the top of the rubber tab (1).
5. When the cable/charger connection is not needed, stuff the bottom cover into the system connector so that the cover will be firmly secured around the connector (2).

REMOVING THE BATTERY

Push the release catch downwards and pull the battery carefully away from the phone.

INSERTING THE SIM CARD



1. Slide the SIM card holder to the right. Lift the holder into an upright position.
2. Insert the card into the holder. Check that the cut corner is at the lower left side of the holder.
3. Close the holder by pushing it towards the phone. Slide the holder back to the left until it locks.

INITIALIZING THE PHONE

When you start using the phone for the first time, you should **charge the battery first**. Please note that the battery will reach its full capacity only after two or three charging times.

Phone time can be set either manually or via satellites. When the time is set from satellites, the GPS must be switched on to be able to calculate position. Press **0** twice to highlight **GPS receiver**, press **0** **CHANGE**. Highlight any other option than **Off**, and press **0** **OK**. Return to stand-by mode by pressing **0**.

Searching for position for the first time might take some time (even 15 min) and the function works only outdoors. You can monitor the position and satellites on **Position** page by pressing **0** **MENU** > **Position**.

The time set in this way is the standard UTC time and you may have to adjust time zone to match with the local time. Press **0** **MENU** > scroll and select **Settings** > **Time** > scroll down to check **Satellite time** and change **Time zone**, press **0** **OK**.

POWER SUPPLY

- Mains charger CMD-70-230 (with the standard charger cable FMC70 or robust charger cable FMC79)
- Cigarette lighter charger CCS-71-12
- Standard Li-Ion batteries 650 mAh (BBL77S), 900 mAh (BBL77N), 1200 mAh (BBL77P), 1700 mAh (BBL77G).

The battery type may vary depending on the market area and sales package. In unclear cases, check the battery compatibility with the dealer.

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MAINS CHARGER

The mains charger should only be used indoors. Make sure that the voltage in the country which you are staying corresponds to the voltage (110V) of the charger.

When charging, connect the round end of the charger cable into the charger base and lock it by turning it half a turn clockwise. Plug the cable's square end/flat end (with the arrow/button facing up) into the system connector on the phone. Plug the charger into a mains outlet. Charging will start automatically.

CHARGING

The phone controls the charging status, the battery temperature and power supply during the charging operation. The ideal temperature range for charging is +10...+30 °C (approx. +50...+85°F). If charging the battery above or below these temperatures the life of a battery may be shortened. Also, the battery may not reach full capacity.

When charging the Li-Ion batteries with the quick charger, about 70% of the battery capacity will be charged quickly, but charging the remaining 30% takes relatively more time. Also note that humidity, temperature, age of the battery and currently used features (e.g. the GPS) affect the time spent on charging.

BATTERY CARE, MAINTENANCE AND DISPOSAL

The continuous operating time is less when using an old battery than a new battery. When storing batteries for a long time, the batteries should be kept cool and fully charged in a dry place.

Li-Ion batteries do not contain heavy metals which can damage the environment. Li-Ion batteries should be disposed of according to the country-specific regulations.

ENVIRONMENTAL EFFECTS IN USAGE

SIGHT

The phone must have an unobstructed view to satellites at any time. In marginal conditions (e.g. when staying in surroundings with heavy tree cover or in a shadow area in between base stations) an external GPS antenna, possibly even a GSM antenna, must be installed.

The phone can be used like a standard GSM phone. In some cases, the phone can be built in clothes or special vests. If the phone is mounted somehow, it must be attached to the surface so that the back of the phone is facing up. To ensure proper functioning of the GPS, the GPS antenna can be covered with plastic, fiber glass or clothes, but not with metal.

TEMPERATURE RANGES

- **Usage:** -20 to +55 °C (-4...+131 °F) with a standard Li-Ion battery
- **Charging:** Standard Li-Ion battery must not be charged below 0 °C (32 °F). Likewise, charging above +55 °C (131 °F) is prevented.

At temperatures below -25 °C (-13 °F), or above +60 °C (140 °F), the battery will not supply power and the phone cannot be used. Upon warming up/cooling down, the phone will function properly again.

USER INTERFACE

FLIP COVER GPS ANTENNA (BACK)

LOUDSPEAKER

DISPLAY (TOP ROW)

- GPS status (left)
- Battery status (middle)
- GSM status (right)

TOPMOST SIDE KEY

- Power on/off

LOWER SIDE KEYS

- To adjust earpiece volume during a call
- To access and browse navigator pages in stand-by mode

LEFT FUNCTION KEY

- To enter **Main menu**: Navigator pages, Accessories, Settings, Stand-by mode etc.
- To move backward/Cancel/Quit/Clear

HOOK-DOWN KEY

- To disconnect a call
- To return to stand-by mode at any time

MICROPHONE

ALPHANUMERIC KEYS

- To enter numbers, letters
- To scroll a map

RIGHT FUNCTION KEY

- To enter **GSM (phone) menu**: E.g. Phone book, Messages, Calls from stand-by mode
- To enter **GPS menu** from a navigator page
- To go forward/confirm an option/enter a sub-menu

HOOK-UP KEY

- To make a call, answer a call and access to the redial memory.

SPECIAL KEYS

- Hash: To switch between letters and numbers, to zoom in on a map, to make pre-configured emergency call.
- Star: To enter space/restore factory settings, to zoom out on a map
- Zero: To access special characters

DISPLAY INDICATORS

PHONE IN STAND-BY MODE

BATTERY INDICATOR

GPS INDICATORS

DATE AND TIME

CURRENT SOUND ENVIRONMENT

NETWORK OPERATOR/SERVICE PROVIDER IDENTIFIER

GUIDING TEXTS FOR FUNCTION KEYS

GSM (PHONE) NETWORK AND CALL STATE INDICATORS

VARIOUS DISPLAY INDICATORS

BATTERY STATUS



Battery. The higher the liquid level, the more charge is left in the battery. When the battery is nearly empty, **Battery low** notification is displayed and the phone may also beep. During charging, the liquid level will move upwards and downwards, freezing for a quick moment to show current charge status, and start over. When the liquid level stops moving, the battery is fully charged (or the charger is disconnected).

GSM (PHONE) NETWORK STATUS



Handset down. **The phone is in stand-by mode.**



Handset up. **A call is in progress.**



A triangle is shown beside the phone icon when the **phone is roaming** (using other than own network).



GSM-bars on the right. **The more bars, the better the GSM signal strength.**

- Four bars - high network strength
- No bars - no network.

When the bars are invisible, the phone is outside the network's coverage area.

GPS POSITIONING STATUS



GPS is turned on, and activated in **Full power/Low power** mode, and it has acquired a valid position.



GPS is turned off.



GPS is searching for position.



GPS is in **Economy** or **At intervals** mode, and it has searched and found position at the latest attempt.



GPS is sleeping to save power. While sleeping, GPS is temporarily off. The GPS starts sleeping during poor satellite coverage and will attempt to calculate the position periodically or when requested to do so.
















GPS-bars on the left indicate accuracy of the latest position fix; If the bars are greyed, the GPS is in power-saving mode (**Economy/At intervals**). The more bars and the taller the bars, the better the position.

- Four bars - the most accurate position
- No bars - no position.

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DISPLAY SYMBOLS

-  **Quick menu symbol.** Shown when the phone is in stand-by mode. By pressing **0** you can enter the **Quick menu**. In the **Quick menu** you can lock keypad, activate GPS, and select an environment for use.
-  **Scroll keys.** Shown when moving in horizontal or vertical direction is possible.
-  **The power on timer is turned on.** The phone will be turned on automatically, at the set time. See **MENU> Settings> Power> Power ON timer**.
-  **The power off timer is turned on.** The phone will be turned off automatically, at the set time. See **MENU> Settings> Power> Power OFF timer**.
-  Alarm clock. **The phone will alarm at the set time.** If the phone is turned off, the alarm clock will also turn on the phone automatically, at the set time. See **MENU> Accessories> Alarm clock**.
-  **Closed envelope indicates, you have received a new, short message.** Flashing envelope usually indicates that the message memory is full and you cannot receive new messages or store messages of your own until deleting some old ones. See **PHONE> Messages> Inbox/Outbox**.
-  Bell. **The calendar alarm (reminder) is switched on.** If you have set alarm to remind you of an event, this symbol will be displayed in the calendar menu. The calendar alarm do not turn the phone on, so if the phone is currently off, you will miss the alarm. See **MENU> Accessories> Calendar**.
-  **Divert all calls is turned on.** Incoming calls can be diverted to another phone number or to a voicemail service. The type of service depends on your network operator. See **PHONE> Network services> Call diverts**.
-  **You have received an unanswered call.** Incoming traffic (calls, messages, routes and waypoints etc.) is listed immediately in stand-by mode. You can access the item and process it by highlighting and selecting it. Later on you can find the item in the corresponding sub-menu.
-  **You have received a Friend Find position or tracking update.** You can find out your friend's position or you can monitor his/her movements. Black symbol indicates an authorized friend, white symbol an unauthorized. Your phone will respond automatically to all location requests coming from authorized friends.
-  **You have received a route.**
-  **You have received a waypoint.**
-  **You have received a Friend Find position request or tracking request.** To decline press **0**. To accept, press **0**. Note that by accepting the request you will reveal your position to the requesting number.

BASIC KEY FUNCTIONS

POWER ON/POWER OFF

- Press and hold down the topmost side key **0** for a few seconds.

CHANGING CODES AND SETTING CODE REQUESTS

You can change or activate various codes, such as PIN, PIN2, Phone or Network codes in the **Security menu**.

Access the sub-menu by selecting **MENU> Settings>** scroll downwards to **Security menu**.

MAKING A CALL (SEVERAL WAYS)

- In stand-by mode, key in the phone number (including the area code) and press **0**.
- Recall the number from **Redial memory**: Press **0**, scroll to the desired number with **0** and finally press **0**.
- Call the number last dialled by pressing **0** twice.
- Speed dial the phone number: Select the desired memory slot number between 2 and 9 and press and hold down the corresponding numeric key for a few seconds.
- Enter the **GSM menu** by pressing **0** **PHONE** and use the **Phone book**, **Messages** or **Recent calls** menus for recalling numbers and making calls.

ANSWERING A CALL

- Press **0**.
- If the **Anykey answer** is turned on (the box is checked), you can also answer by pressing **0**, **0** or **0...0**. See **MENU> Settings> GSM> Anykey answer**.

DROPPING/ENDING/CANCELLING A CALL

- Press **0**.

SILENCING RINGING TONE

- Press **0** QUIET.

MUTING MICROPHONE DURING A CALL

- Press **0** **MENU** to access the **Call menu**. Select **Mute/Mute off** by pressing **0** **OK**.

ADJUSTING EARPIECE VOLUME DURING A CALL

- Press the lower side keys. **0** increases the volume while **0** decreases it.

ADJUSTING KEYTONE VOLUME

- Enter **MENU> Settings> Environments>** select an environment> scroll down to **Keytones**.

TURNING THE SILENT SOUND ENVIRONMENT ON

You can use ready-made **Silent environment** or set any other environment totally silent. To edit an environment, enter **MENU> Settings> Environments>** select an existing environment or create your own environment.

Activating an environment: In stand-by mode, press **0** upwards for a few seconds. Highlight the desired environment with **0**, press **0** **OK**.

TURNING THE KEYSLOCK ON/OFF

Keypad lock is used to prevent accidental key strokes. Single keylock is set in the **Quick menu**: In stand-by mode, press **0** downwards for a few seconds.

When using the **Automatic keylock**, the keypad will be locked in approximately 20 seconds if no key is pressed during that time. Enter **MENU> Settings> User interface> Keylock mode**.

To open the keylock, first press the left function key **0** **UNLOCK** and then the right function key **0** **OK** in sequence.

CORRECTING ERRORS

- Press **0** **CLEAR** as many times as needed.
- To clear the whole display, press **0** **CLEAR** for a few seconds.

STORING PHONE NUMBERS (SEVERAL WAYS)

- In stand-by mode, key in the number and press **0** **SAVE**. Key in the name and press **0** **OK**. Select slot and press **0** **DONE**.
- Enter **PHONE> Phonebook**, and press **0** **READ**. Select **New**. Enter number and press **0** **NEXT**, enter name, **0** **OK**, accept or change memory slot and finally press **0** **DONE**.
- Pick up and save numbers found in an SMS message, including the sender's phone number. Enter **PHONE> Messages> Inbox/Outbox>** select a message> **Pick number> Save**.
- Save callers' numbers. Enter **PHONE> Recent calls> Unanswered/Received>** select a caller> **Save**.
- Save receivers' numbers by using **Redial memory (0)**.

LISTENING TO THE MESSAGES LEFT ON YOUR VOICEMAIL SERVICE (NETWORK FEATURE)

- Press **0** **PHONE**, scroll and select **Messages**. Find **Call voicemail** with **0** and press **0** **CALL**.

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READING A (NEW) SHORT MESSAGE:

When you receive a new message, the phone alerts and displays an envelope.

1. Press **PHONE** and select **Messages**. Select **Inbox**.
2. Select a message with **0**. Unread messages are displayed at the top of the list and marked with a closed envelope (✉).

DELETING SHORT MESSAGES

If you see a flashing envelope (✉) in the display, you cannot receive new messages until deleting some old ones.

1. Press **PHONE** and select **Messages**. Select **Inbox** or **Outbox**.
2. Find a message for deletion with **0**. Press **SELECT**.
3. Find **Delete** with **0**. Press **OK** twice to confirm deletion.

CLEARING A POSTPONED MESSAGE

• Select and open the postponed message. Scroll and select **Delete** and press **OK**. Confirm deletion by pressing **OK**.

EMERGENCY CALLS

SOME CIRCUMSTANCES MAY AFFECT ON EMERGENCY CALLS

- Being in a shadow area of the GSM network at the time of the event.
- Poor GPS coverage during emergency cycle may cause the emergency cycle completion to slow down.
- Busy telephone lines when connecting (voice) calls.
- Message transmission errors caused by the carrier of an SMS, i.e. the network operator.

AN EMERGENCY CALL TO PRE-CONFIGURED NUMBERS

NOTE: This specific feature requires a valid SIM card inserted in the phone, and emergency feature configuration made in advance. Configuration must always include at least activation of the emergency key and some emergency numbers stored in the call list. Additionally the message can contain some text information, e.g. diseases and allergies. Configuration is accessible through **MENU> Settings> Emergency calls**.

To make the emergency call, do as follows:

1. Press and hold down the **PHONE** key for five seconds.
2. The emergency call will start after 15 seconds.

3. Emergency short messages will be sent to all numbers in the call list specified as message recipients. The latest known position and time stamp are automatically included in the emergency message.
4. A voice call is made to each number in the list specified as a voice call recipient. A call will be attempted to a number three times, after which the number is skipped and the next number will be tried.

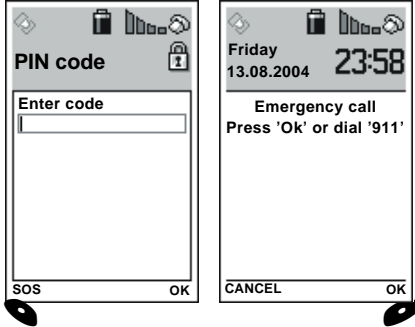
CANCELLING OR INTERRUPTING AN EMERGENCY CALL MADE TO PRE-CONFIGURED NUMBERS

In order to cancel the entire emergency call, press **CANCEL** within 15 seconds (before the call starts).

You can interrupt ongoing emergency call and cancel yet unsent/unmade calls and messages at any time by pressing **CANCEL**.

MAKING NETWORK EMERGENCY CALL (911, 08)

PRESSING THIS KEY (SOS) STARTS AN EMERGENCY CALL TO THE LOCAL EMERGENCY NUMBER, E.G. 911 (08 IN MEXICO). THE NETWORK EMERGENCY NUMBER IS PRE-PROGRAMMED IN YOUR PHONE.



MAKING AN EMERGENCY CALL WITHOUT A SIM CARD OR ANY ACCESS CODES

1. Select **SOS**.
2. Press **OK**.

ANOTHER WAY:

1. Select **SOS**.
2. Key in the local emergency number.
3. Press **OK** or **0**.

MAKING AN EMERGENCY CALL WHEN THE SIM CARD IS INSERTED (DIRECT ACCESS WORKS EVEN WHEN THE KEYPAD IS LOCKED)

- Key in the emergency number and press **0**.

IMPORTANT NOTE: A mobile phone connection is not guaranteed in all conditions. Rough terrain or large buildings may limit the operation of your phone. Never completely rely upon any mobile phone for essential communications.

LOCATION SERVICES

MOBILE PHONE TELEMATICS PROTOCOL (MPTP)

Benefon Esc! utilizes Mobile Phone Telematics Protocol (MPTP) and Mobile Maps Service Protocol (MMSP) which provide a sophisticated set of telematics commands and a map protocol for service integrators and providers to build and provide location-based value added services for consumers and businesses. MPTP makes it possible to send position, tracking and route messages between service center and MPTP enabled terminals by using SMS. For information and specifications visit Benefon Esc! Partners Area at www.benefon.com.

REGISTER FOR FREE SERVICES

Register as a user of Benefon Esc! at www.genimap.com and get access to free benefits, e.g. a choice of free maps included with Esc! and the Help desk service. The free maps are re-downloadable at no extra cost within one year from registration. Registration is free and the registration information is confidential.

MOBILE MAP SERVICE

Benefon Esc! supports the Genimap® Mobile Maps service. The phone can be connected to the service via the data cable for easy downloading of maps, using any PC with an Internet browser.

The service covers road maps, city maps, nautical charts and topographical maps from around Europe and some other areas.

However note that roadways and other map data are constantly being modified, so the maps in your Benefon Esc! may not always reflect the latest changes. No warranty, express or implied, is given for completeness or accuracy of the map data in this product.

HELP DESK

As a registered user you are authorized to use Help desk services. You can get assistance in using the phone and maps (usage limitations).

Just press **PHONE** and select **Help desk**, and an expert help desk operator will call you in a few minutes.

PRIVACY

Benefon Esc! supports some third-party services such as the **Request route** and **Request service** features. Benefon is not responsible for the content and accuracy of such services. Also note that using some of Benefon Esc!'s features may reveal your position to a service provider.

All **Friend Find** functions require authorization, so only people you have specified as authorized can learn your position.

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CARE AND MAINTENANCE

NOTE: The instructions below apply to the phone, its accessories, batteries in use as well as batteries taken out of use.

- Dust and dirt may damage the moving parts of the phone. Do not use or keep the phone in dusty or dirty surroundings.
- Do not open the phone by yourself or pierce holes in it.
- Rough handling may break the circuitry inside the phone. Do not drop, knock, twist or shake the phone.
- Keep the phone dry. Liquids contain minerals which could corrode electronic circuits. If the phone gets wet, turn it off and dry the phone and the battery immediately. Put the phone into an upright position and let it dry. It is recommended that a dealer or service personnel check that the phone functions properly.
- Even though the phone is splashproof, do not wet the phone unnecessarily or immerse it in water.
- Protect the phone from heat. High temperatures may shorten the life of the electrical devices, melt or warp plastics and damage batteries. Do not warm up the phone or use it near fire.
- Do not short-circuit the battery. Exposing the metal strips of the battery to a close contact with a metallic object, such as a coin, a clip or a set of keys can cause accidental short-circuiting and damage the battery.
- Charge and recharge the battery only with the charger specified in the Quick Guide. Use the battery only for the purpose it is intended.
- Clean the phone with a soft cloth, dampened slightly with mild soapy water. Do not clean the phone with harsh chemicals, solvents or other corrosive substances.
- Only allow service personnel authorised by the dealer to service the phone.

SAFETY AND PRECAUTIONS

GLOBAL POSITIONING SYSTEM (GPS)

The GPS is a worldwide system of 24 satellites which orbit the earth twice a day, transmitting precise time and position information. The system is operated and maintained by the government of the United States, which is solely responsible for its accuracy and maintenance. The system is subject to changes that could affect the accuracy and performance of all GPS equipment.

The GPS receiver in your Benefon Esc! receives signals from up to twelve satellites at once, and using this information calculates your position and tracks your movement on Earth, and also sets your phone's clock on time. Benefon Esc! is able to translate and

use the changing position information from the satellites up to 23 different types of navigation-related data items, including speed and heading, average and top speed, trip odometer, waypoints and routes, direction, ETA, and distance to a waypoint. Esc! also supports the NMEA 0183 interface.

Information must be received from at least three suitably positioned satellites for position calculation. The signals sent by the GPS satellites are quite weak and do not travel through solid objects, such as people, buildings, rocks, or heavy tree cover. This may affect GPS receiver performance indoors, in urban areas with tall buildings, or whenever the GPS antenna doesn't have an unobstructed view of the sky.

Any navigation instrument can be misused or misinterpreted, and therefore become unsafe. To reduce the risk, carefully review the Owner's Manual and the Quick Guide and, when navigating compare the indications from this product to all available navigation sources including the information from other navigation instruments, visual sightings, maps, charts, etc.

EMERGENCY CALLS AND MESSAGES

The phone is an aid and should never be relied upon as an only emergency device. Its functionality is dependent on GSM network and GPS satellites which may not be available all the time.

To make emergency calls, the phone must be turned on and located in an area with adequate GSM network signal strength. Some networks also require that a valid SIM card is inserted in the phone. Making specific emergency call to pre-configured numbers also requires proper configuration, GPS satellite coverage and a valid SIM-card.

Emergency calls may not be possible on all GSM phone networks or when certain network services or phone features are in use. In unclear cases, consult the network operator.

GENERAL NOTES REGARDING SAFETY

• **Road traffic and driving:** Strictly adhere to all eventual international and national legislation and also honour other eventual safety recommendations when using the phone while driving a vehicle. It is advisable to install and use a hands-free operating system in a car for minimizing the distraction from using the phone. Make sure, the phone is secured in its holder, do not place the phone on the passenger seat or some other place where it can break loose in a collision or a sudden stop. When receiving a call in an awkward driving situation, you must always put safety before other priorities and courtesy: Pull off the road and park before making or answering a call if driving conditions so require. Do not use the phone at all while driving if it is against national legislation or makes you feel uncomfortable.

- **Vehicles with air bags:** An air bag inflates with great force. Do not place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area.
- **External alert:** The use of the alert phone to operate a vehicle's lights or horn on public roads is not permitted.
- **Children:** Keep the phone and its accessories away from small children to avoid causing injury to themselves or others. Damage to the phone or its accessories is also thus avoided.
- **Power supply:** This equipment is intended for use with the specified power supplies listed in this Quick Guide. Any other usage will invalidate any approval given to this apparatus and may be dangerous.
- **Other accessories:** Only use approved batteries, antennas and chargers. The use of any unauthorized accessories, modifications or attachments may be dangerous and voids the phone warranty if said accessories cause damage or a defect to the phone. Check the compatibility of new power supply units and other accessories at the dealer or manufacturer.
- **Conductive materials:** Make sure, the batteries and spare batteries are kept away from conductive materials, such as coins, jewelry, keys, and other metal objects, because a close contact of these materials and batteries can cause short-circuit, injury, burns or some other damage. Be especially careful when placing batteries inside your pocket, purse, or other container with metal objects.
- **Power cord:** Disconnect the power cord of any accessory by grasping and pulling the plug, not the cord.
- **Connections:** All installations, connections and service regarding the phone, its power supply and accessories should be approved by the phone manufacturer. Use of any unauthorized accessories, modifications or attachments may be dangerous and voids the phone warranty if said accessories cause damage or a defect to the phone.
- **Magnetic fields:** The phone contains small magnetic components. Even though the magnetic fields of the components are weak, they might damage magnetic cards, such as bank and credit cards. We recommend that you would keep the phone away from magnetic cards.
- **Storing positions (and other memory data):** Position information is stored correctly in the phone when the GPS is turned off (from the GPS menu) or powered off (by pressing the top-most side key). To prevent the memory from becoming corrupted, never power off the phone by removing the battery.

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RADIO FREQUENCY (RF) ENERGY

- **Normal operation:** Hold the phone as you would hold any other phone, with the antenna pointed up and over your shoulder. Do not touch the antenna unnecessarily when the phone is in use, because it affects call quality and may cause the phone to operate at a higher power level than needed.
- **Aircrafts:** Turn your phone off before boarding any aircraft and do not use the phone while in the air. Also make sure that an automatic timer function will not activate the phone during the flight. Besides being illegal, the use of a mobile phone in an aircraft may endanger the operation of the aircraft or disrupt the mobile network. Failure to comply with this instruction may lead to suspension or denial of mobile phone services, and possibly even legal action.
- **Hospitals:** Turn your phone off before entering hospitals or other health care facilities where medical electronic equipment may be in use. Such devices can be extremely sensitive to radio frequency interference. Only use the phone with permission and under the instruction of hospital staff.
- **Medical devices:** Remember that any personal medical devices (such as hearing aids or pacemakers) may be affected by RF energy if they are not adequately shielded. Consult the manufacturer or vendor of the equipment to determine the proper shielding.
- **Persons with pacemakers:** Contact your cardiologist and make sure, the pacemaker you wear is adequately shielded against RF energy. Always keep the phone more than six inches (6 ") from the pacemaker when the phone is turned on. Never carry the phone in a breast pocket. Use the ear opposite the pacemaker to minimize the potential interference. Turn the phone off immediately if you have a reason to suspect that interference is taking place.
- **Posted facilities and country-specific regulations:** Power off the phone in any facility where posted notices require to turn off mobile phones. Also follow all the country-specific regulations applicable to where the phone is used.
- **Potentially explosive atmospheres:** Turn off the phone at refuelling points, e.g. gas stations. Also observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress because remote control RF devices can cause an explosion or fire. Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- **Vehicle's own electronic equipment:** Using the phone may cause interference with electronic systems of a vehicle, e.g. electronic anti-skid braking systems, electronic cruise control systems, air bags etc. if the equipment is not adequately shielded.

Consult the manufacturer or the vehicle seller to determine the proper shielding.

- **Other electronic equipment:** Using the phone near any electronic devices (such as a car stereo, tv set, an alarm system and so on) may cause interference if the electronic devices are not adequately shielded. Consult the manufacturer or the seller to determine the proper shielding.
- **Computers:** Remember that using the phone close to a computer may cause interference. When using your phone near such equipment keep a distance of about one meter.
- **Body parts:** When the phone is in operation do not touch the antenna with eyes, mouth or bare skin to guarantee proper function.

FCC INFORMATION

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment.

FCC RADIO FREQUENCY EMISSION

This phone meets the FCC Radio Frequency Emission Guidelines. The FCC ID number: QFPTGP77AU. More information on the phone's SAR can be found at the following FCC website: <http://www.fcc.gov/oet/fccid>.

SPECIFIC ABSORPTION RATE (SAR) FOR WIRELESS PHONES

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. This SAR is value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirements.

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety.

BODY-WORN OPERATION

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the Benefon accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

SAR compliance for body-worn operating configurations is limited to the specific belt-clips/holsters/accessories shipped with this product. SAR compliance is limited to the batteries shipped with this product.

For more information about RF exposure, please visit the FCC website at www.fcc.gov.