

Panasonic®

Operating Instructions

Feature Phone

Model No. **KX-TF400 EX**



Thank you for purchasing a Panasonic product.

Please read these operating instructions before using the unit and save them for future reference.

Before initial use, see “Important Information” on page 4.

Supplied accessories

- USB charging cable (Part No. XYT-4P15): 1 pc
- Rechargeable battery (Part No. HT523450AR-E): 1 pc
- Headset (Part No. JYK-E112): 1 pc

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1 Important Information

For your safety

Read this section carefully before using the product to ensure proper and safe operation. Failure to read them carefully may cause severe injury, loss of life/property, or be illegal.

WARNING

Power connection

- Use only the power source marked on the product.
 - Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
 - Completely insert the USB charging cable into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
 - Unplug the product from power outlets and remove the battery from the phone if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorised service centre.
 - Unplug from power outlets and never touch the inside of the product if its casing has been broken open.
 - Never touch the plug with wet hands. Danger of electric shock exists.
-

Installation

- This product is not water-resistant. To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
 - Keep all accessories, including the SIM card and microSD card, out of the reach of children to prevent swallowing.
 - This product emits radio waves and may cause interference to other electronic devices.
 - Do not allow the USB charging cable to be excessively pulled, bent or placed under heavy objects.
 - To prevent serious damage to this product, avoid strong impacts and rough handling.
 - To avoid damage or malfunction, do not modify the SIM card or microSD card or touch the card's gold-coloured contacts.
-

Battery

- Use only the battery specified.
 - Risk of explosion if battery is replaced with an incorrect type. Dispose of used batteries according to the instructions.
 - Do not open, puncture, crush, or drop the battery. A damaged battery must not be used. This can result in the risk of fire, explosion, overheating, and leaking of the electrolyte.
 - Stop using the battery immediately and keep away from fire if it emits an abnormal smell or leaks electrolyte. Released electrolyte may cause fire or burns.
 - Do not touch released electrolyte if the battery leaks. It may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed. If you touch it, immediately wash the affected areas with water and seek medical help.
 - Exercise care when handling the battery. Do not allow conductive materials such as rings,
-

bracelets, or keys to touch the battery, otherwise a short circuit may cause the battery and/or the conductive material to overheat and cause burns.

- Do not use or charge a wet battery. This can result in the risk of fire, explosion, overheating, and leaking of the electrolyte.
- Charge the battery provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.
- Only use a compatible charger to charge the battery. Do not tamper with the charger. Failure to follow these instructions may cause the battery to swell or explode.
- Do not put any conductive materials such as coins or hairpins onto the charge contacts. This can result in the risk of overheating.
- Avoid the use in the following conditions:
 - High or low extreme temperatures during use, storage or transportation.
 - Replacement of a battery with an incorrect type that can defeat a safeguard.
 - Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
 - Extremely high temperature and/or extremely low air pressure that can result in an explosion or the leakage of flammable liquid or gas.

Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Do not allow liquids such as water, or foreign materials such as metal pieces or flammable materials to get into the SIM card holder. This can result in the risk of fire, electric shock, or malfunction.
- Do not leave this product near heat sources (such as radiators, cookers, etc.), in direct sunlight, or in a car under blazing sun. It should not be placed in rooms where the temperature is less than 0 °C or greater than 40 °C.
- You are advised not to use the phone in an aircraft. Turn the phone off before boarding an aircraft. Set the alarm function off so that the phone cannot be automatically turned on. Using this phone in an aircraft may be hazardous to the aircraft's operation and disrupt wireless communication. It may also be illegal.
- You are advised not to use this product at refuelling points. Users are reminded to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress.
- It is imperative that drivers exercise proper control of vehicles at all times. Do not use a phone while you are driving; find a safe place to stop first. Do not speak into a hands free microphone if it will take your mind off the road. Always acquaint yourself thoroughly with restrictions concerning the use of phones within the area where you are driving and observe them at all times.
- RF signals may affect electronic systems in motor vehicles (for example, fuel injection, air bag systems) that have been improperly installed or are inadequately shielded. For more information, consult the manufacturer of your vehicle or its equipment.
- The use of excessive sound volume through earphones, headphones, or headsets may cause hearing loss.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.
- Do not shine the LED light close to anybody's eyes or turn the LED light in the direction of car drivers. This can result in the risk of injuries or accident.
- It is recommended that this equipment be used under good reception conditions. In a place with good reception, the LCD display will show the following. Example:
- It is recommended to use a hands-free kit, and in this case keep the phone away from the stomachs of pregnant women and the lower abdomen of adolescents.



1. Do not put the battery into the fire.
2. Do not drop the battery.
3. Do not disassemble the battery.
4. Do not allow baby to play with battery.



Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or implanted cardioverter defibrillators to determine if they are adequately shielded from external RF (radio frequency) energy.
- Wireless Technology Research (WTR) recommends a minimum separation of 15.3 cm between a wireless device and an implanted medical device such as pacemaker or implanted cardioverter defibrillator to avoid potential interference with the medical device. If you have any reason to suspect that your phone is interfering with a pacemaker or other medical devices, turn off the phone immediately and contact the manufacture of pacemaker or other medical devices.
- Turn off the phone in hospitals or health care facilities when any regulations posted in the area instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

! CAUTION

Installation

- It is recommended that you keep a written record of any important data which you store in your phone or SIM card in order to avoid accidental loss.

Operating environment

- Do not place magnetic cards or similar objects near the phone. Magnetic data on cash cards, credit cards, telephone cards and floppy disks, etc. may be deleted.
- Do not put magnetic substances close to the phone. Strong magnetism might affect operation.

Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water. For example, avoid areas near a bathtub, washbowl, kitchen sink, laundry tub, or swimming pool.
2. Avoid using the phone if charging during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the phone to report a gas leak in the vicinity of the leak.
4. Use only the USB charging cable and battery indicated in this manual. Do not dispose of the battery in a fire. It may explode. Check with local codes for possible special disposal instructions.
5. Do not paint or attach a thick sticker to the phone. This may prevent proper operation.

SAVE THESE INSTRUCTIONS

For best performance

Environment

- The product should be kept free from excessive smoke, dust, moisture, high temperature and vibration.
- To avoid damage, charge the battery only in temperatures ranging from 10 °C to 40 °C.

Routine care

- Wipe the outer surface of the product and/or charge contacts with a soft and dry cloth.
- Do not use benzine, thinner, or any abrasive powder.

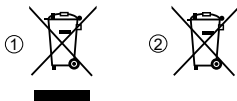
Other information

Notice for product disposal, transfer, or return

- This product and SIM card can store your private/confidential information. To protect your privacy/confidentiality, we recommend that you erase information such as contacts stored in the contacts list, call logs, and SMS/MMS messages from the memory before you dispose of, transfer, or return the product.

Disposal of Old Equipment and Batteries

(Only for European Union and countries with recycling systems)



These symbols (①, ②) on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local authority.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union

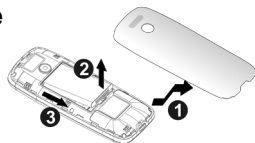
These symbols (①, ②) are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol

This symbol (②) might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Note for the battery removal procedure

Remove the phone's cover (①), lift the battery (②), and then remove it (③).



Trademarks

- microSDHC Logo is a trademark of SD-3C, LLC.
 - The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Panasonic Holdings Corporation is under licence.
 - All other trademarks identified herein are the property of their respective owners.
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Notice

- The phone supports microSD and microSDHC memory cards. In this document, the term "microSD card" is used as a generic term for any of the supported cards.
-

Ecodesign information

Ecodesign information under EU Regulation (EC) No. 1275/2008 amended by (EU) Regulation No. 801/2013.

"ErP Free Web Product Information" is available at the following URL:
<https://www.ptc.panasonic.eu/compliance-documents>

Power consumption in networked standby and guidance are mentioned in the web site above.

For more information about the energy efficiency of the product, please visit our website, www.panasonic.com, and enter the model number in the search box.

SAR

This model meets international guidelines and EU requirements for exposure to radio waves. Your wireless device is a radio transmitter and receiver. It is designed not to exceed radio wave exposure limits recommended by international guidelines. These guidelines were developed by the independent scientific organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health. These guidelines also form the basis of international regulations and standards on RF Exposure.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for wireless devices is 2 W/kg.

The highest SAR value for this device tested at the head was: 1.16 W/kg

The highest SAR value for this device tested on the body was: 1.62 W/kg¹

This SAR limit at the limb for wireless devices is 4 W/kg.

The highest SAR value for this device tested on the handheld was: 3.55 W/kg²

As SAR is measured utilizing the devices highest transmitting power the actual SAR of this unit while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to communicate with the network.

ICNIRP (<http://www.icnirp.org>)

¹ This device was tested for typical body-worn operation with the back of the phone kept 0.5 cm from the body.

² This device was tested for typical body-worn operation with the back of the phone kept 0 cm from the body.

Specifications

• **Standard:**

GSM 900/1800 MHz, WCDMA 900/2100 MHz

LTE B1/B3/B7/B8/B20/B38

Bluetooth version 5.0, Class 2

USB version 2.0

• **Display:** TFT colour 2.4-inch

(QVGA: 240 x 320 pixels)

• **Camera:** 1.2 MP (by software)

• **Frequency range:**

GSM 900: 880 - 915 MHz, 925 - 960 MHz

DCS 1800: 1710 - 1785 MHz, 1805 - 1880 MHz

WCDMA 900: 880 - 915 MHz, 925 - 960 MHz

WCDMA 2100: 1920 - 1980 MHz, 2110 - 2170 MHz

LTE B1: 1920 - 1980 MHz, 2110 - 2170 MHz

LTE B3: 1710 - 1785 MHz, 1805 - 1880 MHz

LTE B7: 2500 - 2570 MHz, 2620 - 2690 MHz

LTE B8: 880 - 915 MHz, 925 - 960 MHz

LTE B20: 832 - 862 MHz, 791 - 821 MHz

LTE B38: 2570 - 2620 MHz

Bluetooth: 2.402 - 2.480 GHz

• **RF transmission power:**

GSM 900: 35 dBm (max.)

DCS 1800: 32 dBm (max.)

WCDMA 900: 25 dBm (max.)

WCDMA 2100: 25 dBm (max.)

LTE B1: 25 dBm (max.)

LTE B3: 25 dBm (max.)

LTE B7: 25 dBm (max.)

LTE B8: 25 dBm (max.)

LTE B20: 25 dBm (max.)

LTE B38: 25 dBm (max.)

Bluetooth: 4 dBm (max.)

• **Power supply:** DC 5 V, 700 mA

• **Charging terminal:** USB Type-C Shape

• **USB charging cable:** Approx 1.5 m

(Input plug: USB Type-A Shape,

Output plug: USB Type-C Shape)

• **Operating/Charging conditions:**

Operating: 0 °C – 40 °C, 20 % – 80 %
relative air humidity (dry)

Charging: 10 °C – 40 °C

• **Battery:** Li-Ion 3.7 V/1,000 mAh

• **100% Battery charging performance (supplied):**

GSM Talk time: Approx. 5.5 hours^{*1}

WCDMA Talk time: Approx. 5 hours

VoLTE Talk time: Approx. 3.5 hours

Standby time: Approx. 280 hours^{*1*2}

• **Antenna:** Internal

• **SIM card type:** Nano card, Single SIM

• **Memory card type:**

microSD, microSDHC up to 32 GB
(not supplied)

^{*1} Operating time is dependent upon usage environment, battery age and condition. Values were calculated according to GSMA TS.09.

^{*2} The incoming call indicator and message indicator flash when there is a missed call or a new message is received. The standby time will be shortened when you leave the indicator flashing.

2 General information

- This phone is designed to operate on GSM 900/1800 MHz, WCDMA 900/2100 MHz, LTE B1/B3/B7/B8/B20/B38 network.
- This equipment is designed for use in EU.
- In the event of problems, you should contact your equipment supplier in the first instance.
- For use in other countries, please contact your equipment supplier.

Declaration of Conformity

Hereby, Panasonic Marketing Europe GmbH declares that the radio equipment type Feature Phone KX-TF400 is in compliance with Directive 2014/53/EU (for EU) and The Radio Equipment Regulations 2017 (for UK). The full text of the EU and UK declaration of conformity is available at the following internet address:

<https://www.ptc.panasonic.eu/compliance-documents>

Additional/replacement accessories

Please contact your place of purchase or Panasonic sales office for sales information.

Accessory item	Model number
Rechargeable battery	HT523450AR-E Lithium Ion (Li-Ion) battery
Headset	JYK-E112

2.1 Profile

Please read this pamphlet carefully in order to make your phone in perfect condition.

Our company may change this mobile phone without prior written notice and reserves the final right to interpret the performance of this mobile phone.

Due to different software and network operators, display on your phone may be different, refer to your phone for details.

2.2 Safety Information

If your phone has lost or been stolen, notify the telecommunication office the SIM card is disabled (Network support is required). This can avoid economic loss caused by unauthorized use.

Please take measures as following to avoid your phone being unauthorized use:

Set PIN code of SIM card

Set phone password

2.3 Safety warning and Attentions

Safety warning

• Road safety comes first

Do not use a hand-held phone while driving. Use hands-free fittings when calls are unavoidable while driving. In some countries, dialling or receiving calls while driving is illegal!

• Switch off in aircraft

Wireless devices can cause interference in aircraft. Using a mobile phone in flight is illegal and risky.

Please make sure that your mobile phone is powered off in flight.

- **Switch off before entering risky areas**

Strictly observe the relevant laws, codes, and regulations on the use of mobile phones in risky areas. Turn off your mobile phone before entering a place susceptible to explosion, such as an oil station, oil tank, chemical plant or a place where a blasting process is under way.

- **Observe all special regulations**

Follow any special regulations in force in any area such as hospitals and always switch off your phone whenever it is forbidden to use it or, when it may cause interference or danger. Properly use your mobile phone near medical apparatuses, such as pacemakers, hearing aids and some other electronic medical devices, as it may cause interference to such apparatuses.

- **Interference**

The conversation quality of any mobile phone may be affected by radio interference. An antenna is built inside the mobile phone and located below the microphone. Do not touch the antenna area during a conversation, lest that the conversation quality deteriorate.

- **Qualified service**

Only qualified personnel may install or repair phone equipment. Installing or repairing the mobile phone on your own may bring great danger and violates the warranty rules.

- **Accessories and batteries**

Use only approved accessories and batteries.

- **Use sensibly**

Use only in a normal and proper manner.

- **Emergency calls**

Ensure the phone is switched on and in service, enter the emergency number, e.g. 112, then press the Dial key. Give your location and state your situation briefly. Do not end the call until told to do so.

Note: Just like all other mobile phones, this mobile phone does not necessarily support all the features described in this manual due to network or radio transmission problems. Some networks even do not support the emergency call service. Therefore, do not rely solely on the mobile phone for critical communications such as first aid. Please consult the local network operator.

2.4 Precautions

This mobile phone is well designed with fine art. Please exercise special care when using it. The following suggestions will help your mobile phone survive the warranty period and extend its service life:

- Keep the mobile phone and all its fittings beyond children's reach.
- Keep the mobile phone dry. Keep away from rain, moisture, liquid or other substances that may corrode electronic circuits.
- Do not use or store the mobile phone in dusty places, lest that active parts of the mobile phone be damaged.
- Do not store the mobile phone in a high-temperature place. High temperature will shorten the life of electronic circuits and damage the battery and some plastic parts.
- Do not store the mobile phone in a chilly place. Otherwise, moistures will be formed inside the mobile phone to damage electronic circuits when the mobile phone is moved to a constant temperature place.
- Do not throw, knock or shock the mobile phone, as that will destroy the internal circuits and high-precision components of the mobile phone.

3 Your phone

3.1 Phone overview



3.2 Status icons

The table below lists various icons that might appear on the status bar while using the phone. Apart from the icons for signal strength level and the power, other icons are displayed as per the current mode and priority of the phone.

Icon	Description
	Indicates the network is support VoLTE feature.
	Indicates the network signal strength.
	Indicates the current battery capacity.
	Indicates that there is an unread message
	Indicates that there is full message capacity.
	Indicates that there is a missed call.
	Indicates that there is a call forward settings.
	Indicates that the current profile is outdoor.

Icon	Description
	Indicates that the current profile is silent.
	Indicates that the current profile is meeting.
	Indicates that the current profile mode is the Headset mode.
	Indicates that the current alarm clock is set as activated.
	Indicates that the Bluetooth is turned on.
	Indicates that the Bluetooth is turned on but visibility is turned off.
	Indicates the network is roaming.
	Indicates the eco charging mode is turned on.

3.3 Functions of Keys

The mobile phone provides the following keys:

- **Left and right keys**

The bottom line on the screen displays the functions of the Left and Right soft keys.

- **Dial/Answer key**

Press it to originate a call by entering the called number or selecting a contact from contacts; or press it to receive an incoming call; or press it in standby state to show the latest call records.

- **End/Power key**

Press it to end a call being dialled or end an ongoing call; or press it to exit the menu and return to the standby state. You can hold it for two or three seconds can power on/off the mobile phone.

- **Navigation key**

Press them to scroll the options when browsing a function list. In edit state, press direction keys to navigate.

- **Torch/Center key (OK key)**

Press and hold the key to turn on the torch, or press it to confirm a selection.

- **Number keys, * key and # key**

Press number keys 0 through 9 to input or edit state to input numbers and characters; The # key and the * key represent different functions in different states or different function menus.

Hold the # key up to 2s in standby state to activate or deactivate the silent mode.

It can be changed Normal, Silent and Meeting mode.

Press the # key in edit state to switch between input methods.

Pressing the * key in edit status to select a symbol.

In idle screen, you can press * soft key then right key to lock keypad. When the keypad is locked, you can press left soft key then right key to unlock it.

Press * key twice to input "+" in standby interface.

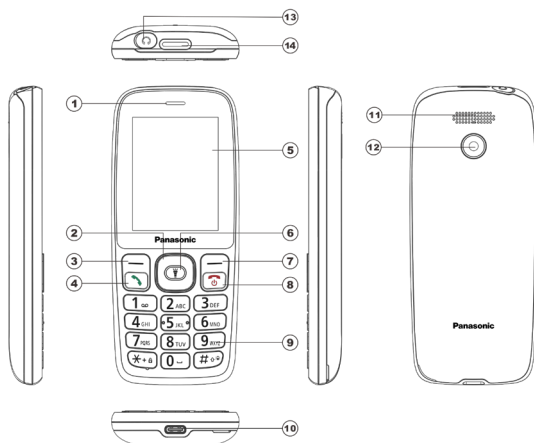
Press the * key quickly to input "P" or "W". "P" and "W" are used for calling the extension; "+" are used for dialling an international call.

- **1 () key**

Long press it to dial the voicemail number, if you have set voicemail number.

- **2-9 keys**

Long press it to dial the speed dial number, if you have set speed dial number.



1	Receiver	8	End/Power key
2	Navigation key	9	Keypad
3	Left key	10	USB jack
4	Dial/Answer key	11	Speaker
5	Display	12	Camera
6	Torch/Center key (OK key)	13	Headset jack
7	Right key	14	Torch

3.4 Technical specifications

Phone

Dimensions: Approx. 132 × 56 × 15 mm

Weight: Approx. 107 g (With battery)

Lithium Ion battery

Rated capacity: 1,000 mAh

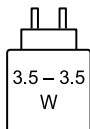
GSM Talk time: Approx. 5.5 hours

WCDMA Talk time: Approx. 5 hours

VoLTE Talk time: Approx. 3.5 hours

Standby time: Approx. 280 hours

Please refer to their labels for other data related to the battery and the charger.



The power delivered by the charger must be min 3.5 Watts required by the radio equipment, and max 3.5 Watts in order to achieve the maximum charging speed.

4 Getting started

4.1 Installing the Nano SIM Cards and the Battery

A SIM card carries useful information, including your mobile phone number, PIN (Personal Identification Number), PIN2, PUK (PIN Unlocking Key), PUK2 (PIN2 Unlocking Key), IMSI (International Mobile Subscriber Identity), network information, contacts data, and short messages data.

Note: After powering off your mobile phone, wait for a few seconds before removing or inserting a SIM card.

Exercise caution when operating a SIM card, as friction or bending will damage the SIM card. Properly keep the mobile phone and its fittings such as the SIM cards beyond children's reach.

Installation

- Hold the End key for a while to power off the mobile phone
- Dismantle the back cover above the battery and remove it.
- Pull the centre battery buckle outward and then lift the battery away.
- Insert the Nano SIM card into the Nano SIM card slot lightly and the gold plate of the card facing downwards, till the Nano SIM card cannot be further pushed in.
- With the metallic contacts of the battery facing the metallic contacts in the battery slot, press the battery down until it locks into place.

Using code

The mobile phone and the SIM cards support sorts of passwords, in order to prevent the phone and the SIM cards from being misused. When you are prompted to input any of the codes mentioned below, just input the correct code and then press the OK key. If you input a wrong code, press the Right soft key to clear it and then input the correct code.

Phone lock code

The phone lock code may be set to prevent your mobile phone from being misused. The initial phone lock code is set during the welcome mode. If the phone lock code is set, you need to input the phone lock code when powering on the mobile phone. To turn off the phone lock code, go to Settings > Security > Phone locked.

PIN

The PIN (Personal identification number, 4 to 8 digits) code prevents your SIM card from being used by unauthorized people. In general, the PIN is supplied with SIM card by the network operator. If PIN check is enabled, you need to input the PIN each time when you power on your mobile phone. The SIM card will be locked if you input wrong PIN code for three times.

Unlocking methods as follows:

- Input the correct PUK according to the screen tips to unlock the SIM card.
- Then input the new PIN and press the OK key.
- Input the new PIN again and then press the OK key.
- If the input PUK is correct, the SIM card will be unlocked and the PIN will be reset.

Note: The SIM card will be locked if you input wrong PIN code for three times. To unlock the SIM card, you need to input the PUK. In general, the PUK can be obtained from the network operator.

PUK

The PUK code (Personal Unlocking Key) is required to change a blocked PIN. It is supplied with SIM card. If not, contact your network operator. If you input wrong PUK code for 10 times, SIM card will be invalid. Please contact the network operator to replace the SIM card.

Barring code

A barring code is required for setting the call barring function. You can obtain this code from the network operator to set the call barring function.

4.2 Installing Memory Card

The memory card is a pluggable mobile storage card inside the mobile phone.

To install the memory card, insert the card into the card slot.

To remove the memory card, take the card out.

Note:

1. The mobile phone cannot automatically identify the memory card being inserted when the mobile phone is powered on. You must power off the mobile phone and then power it on, so that the phone can identify the memory card.
2. The memory card is a miniature object. Keep it out of the reach of children for fear that children swallow it!

4.3 Charging the Battery

The lithium battery delivered with the mobile phone can be put into use immediately after being unpacked.

- Your mobile phone can monitor and display the battery state.
- Normally the remaining energy of the battery is indicated by the battery level icon at the upper right corner of the display screen.
- When the battery energy is insufficient, the mobile phone prompts "Low battery". If you have set an alert tone, an alert tone will be given off when the battery level is too low.
- A charging animation appears when the battery is being charged. When the charging is complete, the animation disappears.

Using a travel adaptor:

- Install the battery into the mobile phone before charging the battery.
- Connect the adaptor of the travel charger with the charging slot in the mobile phone.

Ensure that the adaptor is fully inserted.

- Insert the plug of the travel charger to an appropriate power outlet.
- During the charging, the battery level grids in the battery icon keep flickering till the battery is fully charged.
- It is normal when the battery is become hot during the charging period.
- The battery icon does no longer flicker when the charging process ends.

Note: Ensure that the plug of the charger, the plug of the earphone, and the plug of the USB charging cable are inserted in the right direction. Inserting them in a wrong direction may cause charging failure or other problems.

Before the charging, ensure that the standard voltage and frequency of the local mains supply match the rated voltage and power of the travel charger.

Using the Battery

The performance of a battery is subject to multiple factors: radio network configuration, signal strength, ambient temperature, chosen functions or settings, phone fittings, and the voice, data or other application mode you choose to use.

To guarantee the optimal performance of your battery, please stick to the following rules:

- Use only the battery provided by the vendor. Otherwise, damages or even injuries could be caused during the charging.
- Power off the mobile phone before removing the battery.
- The charging process lasts a longer time for a new battery or a battery not in use for long. If the battery voltage is too low to enable the mobile phone to be powered on, charge the battery for a longer time. In this case, the battery icon does not flicker until a long time after the battery enters the charge status.
- During the charging, ensure the battery is placed in a room temperature environment or in an environment close to room temperature.
- Immediately stop using the battery if the battery produces odor, overheats, cracks, distorts or has other damage, or if the electrolyte leaks.
- The battery wears out with use. A longer charging time is required as the battery is put into use for a long time. If the total conversation duration decreases but the charging time increases even though the battery is properly charged, purchase a standard battery from the OEM or use a battery approved by our company. Using any poor-quality fittings will cause harm to your mobile phone or even incur danger!

Note: To guarantee your personal safety and protect the environment, do not litter the battery! Return the old battery to the mobile phone manufacturer or place it in specified battery reclamation areas. Do not litter any battery with other rubbish.

Warning: Short-circuits of the battery may cause explosion, fire, personal injury or other severe consequences!

4.4 Powering On/Off the Mobile Phone

Hold the End key for a while to power on the mobile phone. A power-on animation appears on the display screen.

Input the phone lock code and press the OK key if the mobile phone prompts you to input the phone lock code. The code is the one you created during the welcome mode.

Input the PIN and press the OK key if the mobile phone prompts you to input the PIN.

The PIN is provided by the network operator for new opening SIM card.

Enter the standby interface.

To power off the mobile phone, hold the End key for a while.

4.5 Linking to the Network

After the SIM card and the mobile phone are successfully unlocked, the mobile phone automatically searches for an available network. After finding a network, the mobile phone enters the standby state. When the mobile phone is registered in the network, the name of the network operator is displayed on the screen. Then you can dial or receive a call.

4.6 Dialling Calls

In the standby interface, press number keys to input the area code and the telephone number, and then press the Dial key to dial a call. To end the call, press the End key.

- **Dialling an international call**

Press * key twice and input "+". Then input the country code, the area code and the telephone number. Finally, press the Dial key.

- **Dialling a call to a number in the contacts**

Enter the contacts and use the up or down direction keys to find the telephone number you want to call.

Press the Dial key. The mobile phone automatically dials the chosen telephone number.

- **Redialling the last number**

In the standby interface, press the Dial key to show the dialled calls.

Press the up or down direction keys to select a number you want to dial and then press the Dial key.

- **Answering incoming calls**

Press the Dial key or the Left soft key to answer an incoming call.

Press the End key to end the current conversation.

To reject an incoming call, press the End key or the Right soft key.

Note: If the calling number exists in the contacts, the mobile phone will present the name of the caller. If the caller cannot be identified, the mobile phone will present the calling number only.

You can answer an incoming call when using a function list or browsing contacts.

- **Using options during a conversation**

Select Menu during a conversation to connect to BT headset, add new call, hold, set the mute, adjust volume, browse contacts, view call log, or perform other operations.

For details, refer to the menu guide.

4.7 Using the Headset

It would enter headset mode automatically when you insert headset to the slot. Make sure of inserting it at the bottom of the slot, or you can't use it normally.

5 Input method

This mobile phone provides multiple input methods, including English input and numeric input. You can use these input methods when editing contacts, short messages and files.

5.1 Icons for Input Methods

After you enter an edit window such as a window for editing contacts, short messages, an icon is displayed to indicate the current input method:

Numeric input: "123"

English input in upper case: "ABC"

English input in lower case: "abc"

English input in mix case: "Abc"

Input language

5.2 To Shift Entry Methods

Press the # key to switch between input methods.

5.3 Numeric Input

You can input numbers with the numeric input method. Press a number key to input the corresponding number.

5.4 English input and numeric input

The keyboards for English input and numeric input are defined in the following table:

Key	Character or Function	Remarks
Number key 1	, . ? ! ' " - @ : ; / _ 1	
Number key 2	ABCabc2	
Number key 3	DEFdef3	
Number key 4	GHIghi4	
Number key 5	JKLjkl5	
Number key 6	MNOmno6	
Number key 7	PQRSpqrs7	
Number key 8	TUVtuv8	
Number key 9	WXYZwxyz9	
Number key 0	0, _	
* key	Press the key to input a symbol	
# key	Press the key to switch between input methods	

Up direction key	Press the key to move to the up	
Down direction key	Press the key to move to the down	
Left direction key	Press the key to move to the left	
Right direction key	Press the key to move to the right	
End key	Press the key to return to the standby interface	

English input:

- Each key is used to represent multiple characters. Quickly and continuously press a key till the character you want appears. Input the next character after the cursor moves.
- Press the # key to switch between input methods.
- To input a blank, switch to the English input mode (in upper or lower case) and then press number key 0.
- Clear wrong inputs, press the Right soft key.

5.5 Inserting a Symbol

Press the * key to enter the Select symbol interface, use direction keys to select a symbol you want.

6 Using the Menus

6.1 Contacts

The mobile phone can store up to 2000 telephone numbers. The number of telephone numbers that a SIM card can store depends on the storage capacity of the SIM card. The telephone numbers stored in the mobile phone and in the SIM cards form contacts.

New:

Create a new contact.

New message:

Sent text message to the selected number.

Call:

Call the current number of the SIM.

Delete:

Delete the contactor.

Delete multiple:

You can select multiple contactors and delete the contactors.

Import/Export:

You can copy, import and export the contactor.

Send vCard:

You can send the contact via vCard.

Others:

To set some parameters of contact.

New group:

Create a new contact group.

Group message:

Sent text message to the selected group contactor.

6.2 Call logs

Missed calls

You can view a list of the latest missed calls.

Note: When the mobile phone indicates that some calls are missed, you can select View to enter the missed calls list. Navigate to a missed call and then press the Dial key to dial the number that originated that call.

Dialed calls

You can view the latest dialed calls. Choose Dialed calls and then select a dialed call to delete, add to blacklist, save, dial, or send a short message to it.

Received calls

You can view the latest received calls. Choose Received calls and then select a received call to delete, add to blacklist, save, dial, or send a short message to it.

Rejected calls

You can view the latest rejected calls. Choose rejected calls and then select a rejected call to delete, save, dial, or send a short message to it.

Delete all

You can delete the latest call records. Choose Delete call logs and then select to delete all the numbers in the call history, or delete only the numbers in the missed calls list, the dialed calls list or the received calls list.

Call timers

Choose Call timers to view the last call time, the total time of all dialled calls, the total time of all received calls and the total time of call history, and/or to reset all the time.

6.3 Settings

Phone settings

- **Time & date:** Set the time, date and the format.
Note: If you remove the battery from the mobile phone or if the battery energy was exhausted a long time ago, you may need to reset the date and time when re-inserting the battery or powering on the mobile phone after recharging.
- **Language settings:** Select the display and input language for the mobile phone.
- **Shortcut settings:** Set shortcuts for those functions you often use.
- **Auto power on/off:** Set a time to auto power on and off.
- **Eco charging:** You can set your mobile phone to Normal charging (100%) or Eco charging (80%) to extend your battery life span.
- **Restore factory settings:** Use this function to restore factory settings, the reset password is the same as the one you created during the welcome mode.

Display

- **Wallpaper settings:** Users can access this item to set wallpaper.
- **Contrast:** Set the LCD display contrast.
- **Keypad backlight time:** Set the keypad backlight time.
- **Auto keypad lock:** Set a time to auto lock keypad.

Security

This function provides you with related settings about safety use.

Call settings

- **Call divert:**
This network function enables you to forward incoming calls to another number you have previously specified.
- **Call waiting:**
After you choose Turn on, the mobile phone will contact the network. A moment later, the network will make a response and send a message to acknowledge your operation. If the call waiting function is activated, the network will alert you and the mobile phone screen will display the incoming call number if others are calling you while you are already in a conversation.
- **Call barring:**
The call barring function enables you to bar calls as needed. When setting this function, you need to use a network barring code, which can be obtained from the network operator. If the code is wrong, an error message will be prompted on the screen. After selecting a call barring option, continue to select Activate or Deactivate. The mobile phone will prompt you to input the call barring code and then contact the network. A moment later, the network will make a response and send the operation results to the mobile phone.
- **Hide ID:**
You can set to hide you ID or display.
- **Others:**
You can set the call time minute reminder, auto redial, connect prompt, reply SMS after reject, and flight mode.

Connections

You can set the SIM card network connection.

6.4 Message SMS/MMS

If the short message memory is full, a full message icon appears on the top of the screen. To normally receive short messages, you need to delete some of the existing short messages. If the destination user has received the short message, you sent and the short message delivery report function is activated, the phone will give off a message report alert tone.

New chat: Access this menu to create a text message.

Drafts: Draft messages are listed in this menu.

Delete: Delete the selected message.

Delete all messages: Delete all SMS or MMS messages.

Call: Make a call to the selected message contactor.

Mark: You can mark/unmark for the selected message and all.

Sort: You can sort the message by Time or Contacts.

Templates: You can add and edit the template messages.

Settings: Set up the feature about SMS and MMS.

Private messaging: Set up the message to the private messaging.

Voicemail: Check the voicemail service number.

Message capacity: Check the message capacity status.

6.5 Camera

The phone is provided with a camera, which supports the photographing functions. Roll the phone to align the camera to the picture and then press Center key to capture photos. Pictures will be saved in the file system of the phone or the memory card. In the capture interface, you can press up or down direction key to zoom in and zoom out.

6.6 Profiles

The mobile phone provides multiple user profiles, so that you can customize some settings to adapt to the specific events and environments. Customize the user profiles according to your preference and then activate the user profiles. The user profiles fall into four scenarios: Normal, Silent, Meeting and Outdoor. When you insert an earpiece to the mobile phone, the mobile phone automatically enters the Headset mode. There is no option for activating the Headset mode on the screen.

The preset melodies in the product are used with permission of © 2014 Yoshida Toru.

6.7 Calendar

You can check the calendar and add task on the schedule.

6.8 Image

You can check all the image in phone.

6.9 Clock

Three alarm clocks are set by deactivated by default, you can choose one and set the time. And you can check the world clock.

6.10 Calculator

You can use calculator through this function.

6.11 My file

The phone provides a certain space for users to manage files and supports the memory card. The capacity of the memory card is selectable. You can use the file manager to conveniently manage various directories and files on the phone and the memory card. Choose File manager to enter the root directory of the memory. The root directory will list the default folders, new folders and user files. When the mobile phone is powered on for the first time or when you have not changed the directory, the root directory contains the default folders only.

6.12 Bluetooth

With Bluetooth, you can make a wireless connection to other compatible devices, such as computers, headsets and car kits.

6.13 Convert

You can check the unit convert through this function.

6.14 SIM toolkit

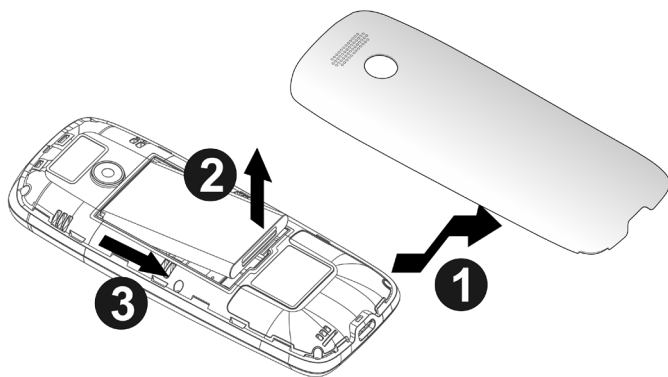
SIM toolkit service is the tool kit of SIM card. This phone supports the service function. The specific items are depended by SIM card and network. Service menu will be auto added to the phone menu when supported by network and SIM card.

7 Appendix

Appendix 1: Handling the battery, SIM card and microSD card

Note for the battery removal procedure

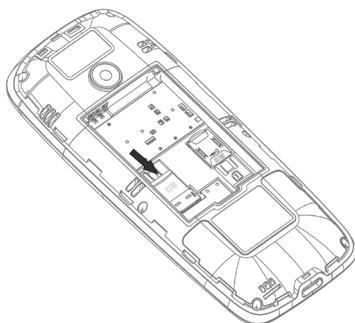
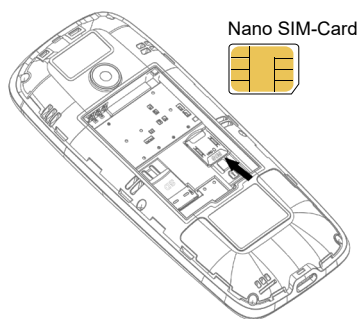
Remove the phone's cover (❶), and lift the battery (❷), then remove it (❸).



Handling the SIM card and microSD card

SIM

microSD



Appendix 2: Troubleshooting

If you find exceptions when operating the mobile phone, restore the factory settings and then refer to the following table to solve the problem. If the problem persists, contact the distributor or service provider.

Fault	Cause	Solution
SIM card error	The SIM card is damaged	Contact your network service provider
	The SIM card is not in position	Check the SIM card
	The metal face of the SIM card is polluted	Clean the SIM card with a clean cloth
Poor received signal quality	Signals are obstructed. For instance, radio waves cannot be effectively transmitted nearby a high building or in a basement	Move to a place where signals can be effectively transmitted
	Line congestions occur when you use the mobile phone in high-traffic hours	Avoid using the mobile phone in high-traffic hours
The mobile phone cannot be powered on	The battery energy is exhausted	Charge the battery
Calls cannot be dialled	Call barring is activated	Cancel call barring
The mobile phone cannot connect the network	The SIM card is invalid	Contact your network service provider
	The mobile phone is not in a service area of the GSM, 3G and 4G network	Move to the network operator's service area
	The signal is weak	Move to a place where the signal quality is high
The battery cannot be charged	The charging voltage does not match the voltage range indicated on the charger	Ensure the charging voltage matches the voltage range indicated on the charger
	An improper charger or battery is used	Use the charger or battery specially designed for the mobile phone
	Poor contact	Ensure the charger plug is in good contact with the mobile phone
"Battery error" display	Environmental temperature when charging is too high or too low	Check the environmental temperature Charging conditions: 10 °C – 40 °C
	Battery failure (deterioration)	The standard number of times of charging is 300 times

Fault	Cause	Solution
You forgot your phone lock code	You need to enter recovery mode and all data will be cleared	• When the phone is powered on and the lock code is required. 1. Reboot the mobile phone by removing and reinsert the battery, then power back on. 2. Press and hold the Center key. 3. Press the Dial key to proceed with restoring to factory settings. • When changing the phone lock settings: 1. Go to Menu > Settings > Security > Phone locked > Select the option and press and hold the Center key. 2. Press the Dial key to proceed with restoring to factory settings.
The earphone cannot connect	The earphone cover is not fully open	When using the earphone, make sure to fully open the earphone cover to ensure a proper connection and optimal functionality.

Appendix 3: For your future reference

We recommend keeping a record of the following information to assist with any repair under warranty:

Serial No. (found on the carton box or in the battery compartment)	Date of purchase
Name and address of dealer	

Attach your purchase receipt here

Appendix 4: Sales department

**Sales department/Vertrieb/Organisation Commerciale/Klantenservice/Försäljning/
Salgsavdeling/Maahantuonti/Departamento comercial/Τμήμα Πωλήσεων/Salgskontor/
Departamento de ventas/Ufficio Vendite/Satış bölümü**

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Panasonic France, une Succursale
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Service Consommateurs:
08 92 35 05 05 (0,34 € la minute)
Service après-vente:
01 70 48 91 73 (numéro non surtaxé)

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Produkt Panasonic

Produkt objęty jest E-Gwarancją Panasonic.
Prosimy o zachowanie dowodu zakupu.
Warunki gwarancji oraz informacje o produkcji
są dostępne na stronie www.panasonic.com/pl
lub pod numerem telefonu (+48) 825 820 000.

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Appendix 5: The General Information of Battery

Manufacturer Information	
Manufacturer company name	Shenzhen Aerospace Electronic Co., Ltd.
Address	Room 201 of 2/F, 3/F, No. 42, Langkou Industrial Zone, Langkou Community, Dalang Sub-district, Longhua District, Shenzhen City, Guangdong Province, 518109 China
Company website	www.gzapsc.com
Company email address	lilin@szapsc.cn
Factory Information	
Factory name	Jiangxi Guihang New Energy Technology Co., Ltd.
Factory address	Workshop 4, Standard Workshop Phase 1, Industrial Park, Quannan County, Ganzhou City, Jiangxi Province, China
Hazardous substances / Critical raw materials present in the battery	Chemical Symbols
Lithium Cobalt Oxide	LiCoO ₂
Graphite	C
Copper	Cu
Aluminium	Al
Ethylene Carbonate	C ₃ H ₄ O ₃
Polypropylene	C ₃ H ₆
Carbonate Methyl Ethyl	C ₄ H ₈ O ₃
Phosphate(1-), Hexafluoro-, Lithium	LiPF ₆

Important:

- Please use water, dry sand, and other proper fire extinguishing media.

Appendix 6: Equipment Power Consumption

- Power off mode consumption: 0.1 W
- Standby mode consumption: 0.1 W
Equipment automatically reaches this condition after approximately 5 minutes.
- Networked standby mode consumption: 0.1 W
Equipment automatically reaches this condition after approximately 5 minutes.

Appendix 7: Graphical symbol

Symbol	Explanation	Symbol	Explanation
	Alternating current (A.C.)		Class II equipment (equipment in which protection against electric shock relies on Double Insulation or Reinforced Insulation.)
	Direct current (D.C.)		"ON" (power)
	Protective earth		"OFF" (power)
	Protective bonding earth		Stand-by (power)
	Caution, risk caused by visible radiation		"ON"/"OFF" (power; push-push)
	For indoor use only		Caution, risk of electric shock

For any inquiries, please contact us at the email address below:

ask.panasonic.safety@eu.panasonic.com

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