Panasonic

Operating Instructions

Easy Use Mobile Phone

Model No. **KX-TU446 EX**

(Revision E)

Thank you for purchasing a Panasonic product.
Please read these operating instructions before using the unit and save them for future reference.

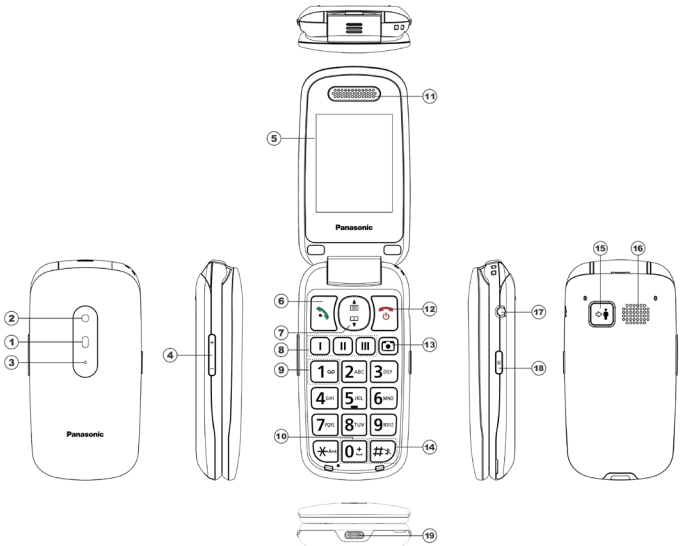
Before initial use, see “Important Information” on page 13.

Individuals with disabilities can find helpful resources and setup instructions at **https://support-uk.panasonic.eu**

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

Note: For environmental reasons this package does not include a charger.
This device can be powered with most USB power adapters and a cable with USB Type-C plug.



1 Torch

2 Camera

3 LED status indicator

4 Volume key
Change font size of display.

5 Display

6 Dial/Answer key
Left function key (Select the function shown above.)

7 Navigation key
- ▲(☰): Open the main menu.
- ▼(🕮): View the contacts list.

8 One touch dial key; page 20

9 Call voicemail

10 International call

11 Receiver

12 End/Power key
Right function key (Select the function shown above.)

13 Camera key

14 Silent mode key (Press and hold for 2 seconds.)

15 Priority call; page 33

16 Speaker

17 Headset jack

18 Torch key
(It turn off automatically in about 2 minutes.)

19 USB jack

Getting Started

Setting up 5
Phone overview 8
Turning the power on/off 11
Initial settings 11

Important Information

For your safety 13
Important safety instructions 16
For best performance 16
Other information 16
SAR 18
Specifications 19

Basic Operations

Making calls 20
End the call 21
Answering calls 21
Call log 22
Voicemail service 22
Text input 23
Messages 24
Phonebook 26
Alarm 28
Night mode 29
Calendar/Schedule 30
Voice recording 32
Priority call 33
Network service call features 35
Security settings 36
Camera 38
Image viewer 39
File manager 40

Customising Your Phone

Menu list 41

Connecting to Other Devices

Using a Bluetooth® wireless connection 50
Using a USB connection 53

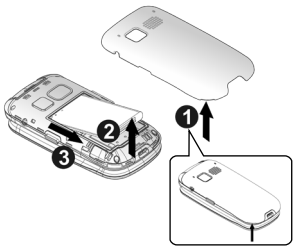
Useful Information

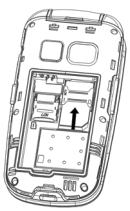
Troubleshooting 54
General information 58
Sales department 59
Equipment Power Consumption 61

Setting up

Inserting a SIM card, microSD card, and the battery

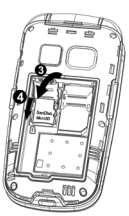
1 Hook your nail in the gap between the cover and pull it up (❶). Pull the battery outward (❷) and then lift the battery away (❸).





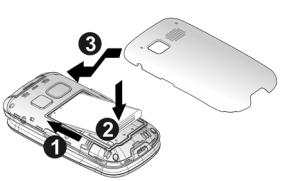
2 Insert the SIM card by carefully pushing it under the metal bracket. Make sure the SIM card point downwards.

3 Open the microSD card cover by sliding (❶) and then lifting up (❷).



4 Put the microSD card with the gold-coloured contacts facing down, close the microSD card cover (❸), and then gently slide the cover (❹).

5 Insert the battery (❶) and lower it into the phone (❷), then attach the cover (❸).



Important:

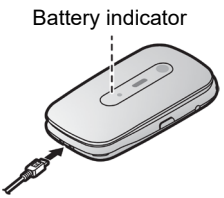
- When removing the battery, make sure you turn off the phone first.
- To avoid loss of data or malfunction, do not damage, carelessly handle, or short-circuit the gold-coloured contacts of the SIM card or microSD card.

Note:

- Use only the battery specified.
- Wipe the battery ends (⊕, ⊖), SIM card, and microSD card with a dry cloth.
- Avoid touching the battery ends (⊕, ⊖) or the unit contacts.

Battery charging

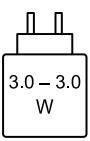
◆ USB connection



Note:

- When charging begins, the phone sounds[*1] and the battery indicator lights.
- When the battery is fully charged, the battery indicator turns off.
- It is normal for the phone to feel warm during charging.
- Included USB charging cable is only for charging.

[*1] The preset melodies in this product are used with permission of © 2014 Copyrights Vision Inc.



The power delivered by the charger must be min 3.0 Watts required by the radio equipment, and max 3.0 Watts in order to achieve the maximum charging speed.

Phone overview

Symbols

- Signal strength.
  R: Roaming network.
- **E:** The phone is connected to an EDGE network.
- **G:** The phone is connected to a GPRS network.
- Battery level
  - : High.
  - : Medium.
  - : Low.
  - : Needs charging.
- The phone is connected to a computer via USB.
- The call is not encrypted.*1
- Silent mode is on. (page 3, 48)
- Vibration is on. (page 48)
- Handsfree is on. (page 21)
- Ringer volume off.

- Incoming call.
- Outgoing call.
- Missed call.
- Mute is on. (page 21)
- Frequency control equalizer is set. (page 21)
- A 2nd call is on hold.
- ● Contact is saved to the phone.
  ● Root directory of phone.
  ● Mobile phone is discovered in Bluetooth search menu.
- Contact is saved to the SIM card.
- Contact name.
- Mobile phone number.
- Office phone number.
- Home phone number.
- Fax number.
- Selected ringer tone.
- ● New SMS message is received.
  ● SMS message (unread/ unsent) is saved to the phone.
- SMS message (sent) is saved to the phone.
- SMS message (opened) is saved to the phone.
- SMS message (unread/ unsent) is saved to the SIM card.
- SMS message (sent) is saved to the SIM card.
- SMS message (opened) is saved to the SIM card.
- Root directory of memory card.
- Sound file.
- VCF (vCard) file.
- Other format file.
- Folder.
- New voicemail message received.*2 (page 22)
- Alarm is on. (page 28, 30)
- Night mode is on. (page 29)
- Headset (optional) is connected.
- – Bluetooth feature is on. (page 50)
  – Another Bluetooth device is connected.
- Bluetooth compatible computer is discovered in Bluetooth search menu.
- Bluetooth headset is discovered in Bluetooth search menu.

- Bluetooth headset is connected to the phone.
- Bluetooth hands-free car kit is discovered in Bluetooth search menu.

ECO Indicates the eco charging mode is turned on.

*1 Contact your network operator/service provider for more information.
*2 Voicemail subscribers only.

Function keys

- SOS Calls emergency number.
- Returns to previous screen.
- OK Accepts current selection.
- C Erases a number/character.
- Opens recent call log.
- Makes/answers a call.
- Ends the call.
- Sets handsfree.
- Opens option menu.
- Answers a 2nd call.
- Allows editing.
- Selects multiple items.
- Stops alarm.
- Activates snooze function.
- Turns the power off.
- Pauses playback.
- Resumes playback.
- Stops recording or playback.

LED color info status indicator

Color	State
Green	Incoming call/Missed call
Red blinking	Charge error/Delay Timer
Red	Low Battery
Blue	Missed SMS
Yellow	Charging

Turning the power on/off

Press ⏻ for about 2 seconds.

- The phone sounds.[*1]

[*1] The preset melodies in this product are used with permission of © 2014 Copyrights Vision Inc.

Initial settings

1 ▼/▲: Select the desired language. ⇨ ✆

2 ▼/▲: Select the desired time zone. ⇨ ✆

3 Enter the current date, month, and year. ⇨ ✆

4 Enter the current time. ⇨ ✆

Note:

- If you select a language you cannot read:
  Press ▲. ⇨ ▼/▲: Select 🔧. ⇨ ✆ 2 times ⇨ ▼ 2 times ⇨ ✆ ⇨ ▼: Select the desired language. ⇨ ✆

Display font size

Press + or − to adjust the font size.

Changing the ringer tone

Using a preset ringer tone

1 Press ▲. ⇨ ▼/▲: Select ♪. ⇨ ✆

2 ▼/▲: "**General**" ⇨ ✆

3 ▼/▲: "**Customize**" ⇨ ✆

4 ▼/▲: "**Ringtone**" ⇨ ✆

5 ▼/▲: Select the desired ringer tone. ⇨ ✆

Using your own sound file

1 Press ▲. ⇨ ▼/▲: Select ♪. ⇨ ✆

2 ▼/▲: "**General**" ⇨ ✆

3 ▼/▲: "**Customize**" ⇨ ✆

4 ▼/▲: "**Ringtone**" ⇨ ✆

5 ▼/▲: "**Select from File**" ⇨ ✆

6 ▼/▲: Select the desired memory location (root directory). ⇨ ✆

7 ▼/▲: Select the desired folder and/or file. ⇨ ✆

Audible dialling

When you turn this feature on, numbers are announced when pressing dial keys. To change this setting, see page 48.

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.
- Switching off radio connections, such as Bluetooth, has a positive impact on power consumption.
- Exposure to both high and low temperatures, as well as suboptimal or fast charging, harms battery lifespan.
- 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 LED 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.

Hearing aids

- This phone is hearing aid compatible and is rated equivalent to the M4/T4 rating of the ANSI C63.19 test method. Most hearing aids on the market should be compatible with this product but compatibility is not guaranteed. Please consult with your Doctor or hearing aid manufacturer before using a hearing aid with this product.

⚠ 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

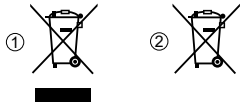
- **Wipe the outer surface of the product and/or charge contacts with a soft and dry cloth.**
- Do not use benzine, thinner, or any abrasive powder.

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 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

Refer to “Inserting a SIM card, microSD card, and the battery” on page 5.

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.

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

For more information about the energy efficiency of the product (Commission Regulation (EU) 2023/826), 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: 0.94 W/kg
The highest SAR value for this device tested on the body was: 1.65 W/kg[*1]
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: 3.63 W/kg[*2]
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:**
  Dual band GSM 900/1800 MHz
  Bluetooth version 3.0, Class 2
  USB version 1.1
- **Display:**
  TFT colour 2.4-inch
  (QVGA: 240 x 320 pixels)
- **Camera:**
  0.08 MP
- **Frequency range:**
  GSM 900: 880 - 915 MHz
  925 - 960 MHz
  DCS 1800: 1710 - 1785 MHz
  1805 - 1880 MHz
  Bluetooth: 2.402 - 2.480 GHz
- **RF transmission power:**
  GSM 900: 35 dBm (max.)
  DCS 1800: 32 dBm (max.)
  Bluetooth: 4.0 dBm (max.)
- **Power supply:**
  DC 5 V, 600 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):**
  Talk time: Approx. 5.0 hours[*1]
  Standby time: Approx. 290 hours[*1*2]
- **Antenna:**
  Internal
- **SIM card type:**
  Mini SIM (Single SIM)
- **Memory card type:**
  microSD, microSDHC up to 32 GB
  (not supplied)
- **Dimensions:**
  Phone: Approx. 108 × 55 × 23 mm
- **Weight:**
  Phone: Approx. 121 g (With battery)

[*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.

Making calls

1 Enter the phone number (40 digits max.).

2 Press to dial.

Note:

- To switch to a handsfree:
  ⇨ ▼/▲: "**Handsfree On**" ⇨ .
- To make an international call, press and hold **0** ± until "**+**" (the international prefix) is displayed.
- To insert a pause (3 seconds per pause), press and hold ✱ until "**P**" is displayed.

Making a call using the call log

1 Press to display the call log in standby mode.

2 ▼/▲: Select the desired party. ⇨

Making a call using the phonebook

To store a contact

1 Press ▼ in standby mode.

2 ▼/▲: Select the desired contact. ⇨

Note:

- To change the search language:
  # ⇨ ▼/▲: Select the desired language. ⇨
- Press a dial key ([**0**] to [**9**]) repeatedly to display the contact corresponding to that key.

Making a call using a one touch dial key

To assign a contact to a one touch dial key, see page 27.

Press and hold the desired one touch dial key ([**I**] to [**III**]).

Making a call using a speed dial key

To assign a contact to a speed dial key, see page 27.

Press and hold the desired speed dial key ([**2**] to [**9**]). ⇨

Call options

Pressing :

– "**Hold**"/"**Retrieve**"
– "**Equalizer**"
– "**Mute On**"/"**Mute Off**"
– "**Handsfree On**"/ "**Handsfree Off**"
– "**Phonebook**"
– "**Call Log**"
– "**Messages**"

End the call

Press to end the call.

Answering calls

When a call is being received, the incoming call indicator flashes rapidly (page 11).

Press to answer.

Note:

- To answer a call by opening the phone, see page 43.
- To reject the call, press .

Missed calls

"**Missed Call**" and the number of missed calls are shown on the display. You can view the missed call log by pressing when it is displayed.

Call log

Incoming, outgoing, and missed calls are stored in a call log (maximum 10 calls each).

Note:

- "**Unknown Number**": The caller's information could not be received.
- "**Withheld**": The caller requests not to send their phone number.

Call log option

Press ▲. ⇨ ▼/▲: Select 🔁. ⇨ 📞 ⇨ ▼/▲: "**Call Log**" ⇨ 📞 ⇨ ▼/▲: Select a call log list. ⇨ 📞 ⇨ ▼/▲: Select a log. ⇨ 📞 ⇨ ▼/▲:

- "**Call**"
- "**Send SMS**"
- "**Add Phonebook**"
- "**Use Number**"
- "**Delete**"

Voicemail service

Contact your network operator/service provider for details. You must first confirm that the correct voicemail access number is stored.

Storing the voicemail access number

1 Press ▲. ⇨ ▼/▲: Select ✉. ⇨ 📞

2 ▼/▲: "**Settings**" ⇨ 📞

3 ▼/▲: "**SMS**" ⇨ 📞

4 ▼/▲: "**Voicemail**" ⇨ 📞

5 ▼/▲: "**Edit**" ⇨ 📞

6 Enter the voicemail access number. ⇨ 📞

Listening to voicemail messages

Press and hold **1** ∞ when in standby mode.

Text input

Each dial key has multiple characters assigned to it. The assigned characters for each key will be displayed when you press the key.

– Press ▼/▲ to move the cursor right or left.
– Press and hold ▼/▲ to move the cursor up or down.
– Press ☎ to erase the character or number to the left of the cursor.
– To insert a space, press **0** ± or select "␣" in the symbol list.
– Press ✱ (A→a) to change the input letter case. For example, lower case (abc/αβγ), auto case (Abc/Aβγ), upper case (ABC/ABΓ), and numeric (123).
– To select a symbol:
  # ♪ ⇨ ▼/▲: Select the desired symbol. ⇨ ☎
– To change the input language:
  ☎ ⇨ ▼/▲: "**Input Language**" ⇨ ☎ ⇨ Select the desired input language. ⇨ ☎

Messages

- SMS (Short Message Service):
  You can send and receive text messages.

Note:

- For details and the availability of these services, contact your network operator/service provider.

Creating and sending an SMS message

1 Press ▲. ⇨ ▼/▲: Select ✉. ⇨ ☎

2 ▼/▲: "**Create Message**" ⇨ ☎

3 ▼/▲: "**SMS**" ⇨ ☎

4 Enter a message (page 23). ⇨ ☎

5 ▼/▲: "**Send to**" ⇨ ☎

6 Input the phone number.

Manually	▼/▲: "**Manual Input**" ⇨ ☎ ⇨ Enter destination phone number. ⇨ ☎
Contacts list	▼/▲: "**Add from List**" ⇨ ☎ ⇨ ▼/▲: Select the desired contact. ⇨ ☎

7 ☎ ⇨ ▼/▲: "**Send**" ⇨ ☎

Note:

- If your SMS message contains over 160 characters (70 characters depending on character type), it is a long message. You can send or receive a long message of up to 1224 or 536 characters depending on character type. Your network operator/service provider may treat long messages differently from other SMS messages. Contact your network operator/service provider for details.
- You cannot send or receive SMS messages containing pictures, sound, or contacts list.

Reading a received message

1 Press ▲. ⇨ ▼/▲: Select ✉. ⇨ ☎

2 ▼/▲: "**Inbox**" ⇨ ☎

3 ▼/▲: Select a message. ⇨ ☎

Replying to a message

1 While reading a message, press ☎.

2 ▼/▲: Select "**Reply by SMS**". ⇨ ☎

3 To reply a message.

By SMS	Continue from step 4 in "Creating and sending an SMS message", page 24.

Messages options

Press ▲. ⇨ ▼/▲: Select ✉. ⇨ ☎ ⇨ ▼/▲: Select a desired box. ⇨ ☎ ⇨ ▼/▲: Select a message. ⇨ ☎ ⇨ ☎:

- "**Reply by SMS**"
- "**Call Sender**"
- "**Forward Message**"
- "**Add Phonebook**"
- "**Delete**"
- "**Extract Number**"
- "**Edit Message**"
- "**Resend**"

Phonebook

You can store contacts in the phone (up to 200 contacts) or SIM card.
You can customise the ringer tone and picture assigned to each contact.

Creating contacts

1 Press ▲. ⇨ ▼/▲: Select 📖. ⇨ ✆

2 ▼/▲: "**Add New Contact**" ⇨ ✆

3 ▼/▲: "**Name**" ⇨ ✆

4 Enter the party's name (page 23). ⇨ ✆

5 ▼/▲: "**Save**" ⇨ ✆

6 ▼/▲: "**Phone num. 1**" ⇨ ✆

7 Enter the party's phone number. ⇨ ✆

8 ▼/▲: Select an icon if necessary. ⇨ ✆

9 If you want customise the ringer tone and picture assigned.

Ringer tone	**1** ▼/▲: "**General**" ⇨ ✆ **2** ▼/▲: Select the desired ringer tone. ⇨ ✆
Picture assign	**1** ▼/▲: "**Caller Picture**" ⇨ ✆ **2** ▼/▲: Select the desired memory location (root directory). ⇨ ✆ **3** ▼/▲: Select the desired folder and/or file. ⇨ ✆

10 Press ✆ to confirm the setting.

11 ▼/▲: "**Save**" ⇨ ✆

Note:

- If you want to use one of your own sound files as the contact's ringer tone, continue from step 5 in "Using your own sound file", page 12.

Assigning a contact to a one touch dial key

1 Press ▲. ⇨ ▼/▲: Select 📖. ⇨ ✆

2 ▼/▲: "**One Touch Dial**" ⇨ ✆

3 ▼/▲: Select the desired one touch dial key number. ⇨ ✆

4 ▼/▲: "**Add from List**" ⇨ ✆

5 ▼/▲: Select the desired contact. ⇨ ✆

Assigning a contact to a speed dial key

1 Press ▲. ⇨ ▼/▲: Select 📖. ⇨ ✆

2 ▼/▲: "**Speed Dial**" ⇨ ✆

3 ▼/▲: Select the desired dial key number. ⇨ ✆

4 ▼/▲: "**Add from List**" ⇨ ✆

5 ▼/▲: Select the desired contact. ⇨ ✆

Contacts list options

Press ▲. ⇨ ▼/▲: Select 📖. ⇨ ✆ ⇨ ▼/▲: "**Contacts**" ⇨ ✆ ⇨ ▼/▲: Select a contact. ⇨ ✆:

- "**Call**"
- "**Detail**"
- "**Edit**"
- "**Create Message**"
- "**Delete**"
- "**Use Number**"
- "**Add New Contact**"
- "**Send vCard**"
- "**Copy**"
- "**Search Letter**"

Alarm

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞

2 ▼/▲: "**Alarm**" ⇨ 📞

3 ▼/▲: Select an alarm. ⇨ 📞

4 ▼/▲: "**Settings**" ⇨ 📞

5 Set the desired time. ⇨ 📞

6 ▼/▲: Select the desired alarm option.

Once	Alarm sounds once at the set time. **1** 📞
Weekly	Alarm sounds weekly at the set time(s). **1** 📞 ⇨ ▼/▲: Select the desired day of the week. ⇨ 📞 **2** ▼/▲: "**Save**" ⇨ 📞

7 Enter/edit a text memo if necessary (page 23). ⇨ 📞

8 ▼/▲: "**Save**" ⇨ 📞

9 ▼/▲: Select the desired alarm tone. ⇨ 📞

Note:

- A total of 5 separate alarm times can be programmed.
- Alarm to sound for 30 seconds at the specified time.
- While the alarm is sounding, a text memo is displayed.
- Press ⏻ to stop the alarm completely.
- Press 📞 to stop the sound but keep the snooze function activated.
- The snooze function will cause it to repeat 3 times at 5 minutes intervals.
- The phone will automatically turn on and the alarm will sound even if the phone is off.
- The phone vibrates when the silent mode is on.

Night mode

This feature stops the phone from ringing when you do not want to be disturbed.

1 Press ▲. ⇨ ▼/▲: Select 🔧. ⇨ 📞

2 ▼/▲: "**Phone Settings**" ⇨ 📞

3 ▼/▲: "**Clock Settings**" ⇨ 📞

4 ▼/▲: "**Night Mode**" ⇨ 📞

5 ▼/▲: "**On**" ⇨ 📞

6 Enter the desired time to start. ⇨ 📞

7 Enter the desired time to end. ⇨ 📞

8 ▼/▲: Select the desired ring delay. ⇨ 📞

Note:

- If you select "**No Ringing**", the phone never rings during night mode.
- If you set the ring delay, the phone starts ringing after a selected amount of time has passed.
- If you have set the alarm, the alarm sounds even if the night mode is on.

Calendar/Schedule

Creating a new schedule item

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ ✆

2 ▼/▲: "**Calendar**" ⇨ ✆

3 ▼/▲: Select the desired date.

Specific date	**1** ✆ ⇨ ▼/▲: "**Go to Date**" ⇨ ✆ **2** Enter the desired date, month, and year. ⇨ ✆

4 ✆ ⇨ ▼/▲: "**Schedule**" ⇨ ✆

5 ✆ ⇨ ▼/▲: "**Create**" ⇨ ✆

6 Edit the date if necessary. ⇨ ✆

7 Set the desired time. ⇨ ✆

8 Enter a text memo (page 23). ⇨ ✆

9 ▼/▲: "**Save**" ⇨ ✆

10 ▼/▲: "**On**" ⇨ ✆

11 ▼/▲: Select the desired alarm tone. ⇨ ✆

12 ✆

Note:

- You can store up to 100 schedule items (maximum 10 items per day)
- If you set a schedule alarm, an alarm sounds for 30 seconds and a text memo is displayed at the set time.
- Press ⏻ to stop the alarm completely.
- Press ✆ to stop the sound but keep the snooze function activated.
- The phone will automatically turn on and the alarm will sound even if the phone is off.

Viewing/editing/erasing a schedule item

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞

2 ▼/▲: "**Calendar**" ⇨ 📞

3 ▼/▲: Select the desired date.

4 📞 ⇨ ▼/▲: "**Schedule**" ⇨ 📞

5 ▼/▲: Select the desired schedule item. ⇨ 📞

6 Select the desired feature.

Detail	▼/▲: "**Detail**" ⇨ 📞
Edit	▼/▲: "**Edit**" ⇨ 📞 ⇨ Continue from step 6 in "Creating a new schedule item", page 30.
Delete	▼/▲: "**Delete**" ⇨ 📞 ⇨ ▼/▲: "**Yes**" ⇨ 📞

Erasing all schedule items

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞

2 ▼/▲: "**Calendar**" ⇨ 📞

3 📞 ⇨ ▼/▲: "**Delete All Items**" ⇨ 📞

4 ▼/▲: Select "**All until Today**" or "**All Items**". ⇨ 📞

5 ▼/▲: "**Yes**" ⇨ 📞

Voice recording

Recording your voice memo/sound

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞

2 ▼/▲: "**Voice Recorder**" ⇨ 📞

3 ▼/▲: "**Record**" ⇨ 📞

4 Press ⏻ to stop recording.

Note:

- Up to 20 sound files can be recorded.
- Recorded files are saved in the phone's "Audio" folder.

Listening to the recorded voice memo/sound

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞

2 ▼/▲: "**Voice Recorder**" ⇨ 📞

3 ▼/▲: "**List**" ⇨ 📞

4 ▼/▲: Select the desired item from the list.

5 📞 ⇨ ▼/▲: "**Play**" ⇨ 📞

Erasing a voice memo/sound

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞

2 ▼/▲: "**Voice Recorder**" ⇨ 📞

3 ▼/▲: "**List**" ⇨ 📞

4 ▼/▲: Select the desired item from the list.

5 📞 ⇨ ▼/▲: Select "**Delete**" or "**Delete All**". ⇨ 📞

6 ▼/▲: "**Yes**" ⇨ 📞

Priority call

This feature allows you to ask a registered person for assistance by sending an SMS message and calling them, using ⇨ button (on the back of the phone).

Note:

- Store the phone numbers (5 numbers max.) in the list in the desired order of priority.
- ⇨ button can be activated even when the phone is closed.
- If you want to turn the buzzer off, see page 43.

Priority call procedure

1 Press and hold ⇨ button for 3 seconds, or press it 3 times when in standby mode.

2 The phone sends your stored SMS message (page 34).

3 The phone dials the 1st person in the list. Handsfree is turned on.

Call is answered	● You can begin your conversation.
– Other party is busy – Rejects the call – Does not answer within 20 seconds	● The phone automatically dials the next person. ● The phone continues to send SMS messages and dial numbers in the list in sequence, up to a maximum of 2 times.

Important:

- **When Answering machine or Voicemail answered:**
  When recording is completed, the phone automatically dials the next person.

Note:

- You can stop the priority call sequence by pressing ☎ while dialling.

Storing a priority call number

1 Press ▲. ⇨ ▼/▲: Select ⇄. ⇨ ☎

2 ▼/▲: "**Call Settings**" ⇨ ☎

3 ▼/▲: "**Priority Call**" ⇨ ☎

4 ▼/▲: "**Call Number**" ⇨ ☎

5 ▼/▲: Select the desired position in the call number list. ⇨ ☎

6 Input the call number.

Manually	**1** ▼/▲: "**Manual Input**" ⇨ ☎ **2** Enter the party's name (page 23). ⇨ ☎ **3** ▼/▲: "**Save**" ⇨ ☎ **4** Enter the party's phone number. ⇨ ☎
Contacts list	▼/▲: "**Add from List**" ⇨ ☎ ⇨ ▼/▲: Select the desired contact. ⇨ ☎

Note:

- Storing public institutions such as the police, rescue services, or fire brigade is not recommended.

Storing a SMS message

1 Press ▲. ⇨ ▼/▲: Select ⇄. ⇨ ☎

2 ▼/▲: "**Call Settings**" ⇨ ☎

3 ▼/▲: "**Priority Call**" ⇨ ☎

4 ▼/▲: "**Message**" ⇨ ☎

5 Enter a message (page 23). ⇨ ☎

6 ▼/▲: "**Save**" ⇨ ☎

Note:

- Make sure the SMS service centre number is stored (page 41).

Network service call features

Contact your network operator/service provider for details and availability of the services in your area.

Hold

1 Press while talking.

2 ▼/▲: "**Hold**" ⇨

3 To release hold, press . ⇨ ▼/▲: "**Retrieve**" ⇨

Call waiting

Press to answer a 2nd call.

Note:

- If you want to receive a 2nd call displaying the 2nd caller's information, activate the call waiting feature (page 43).
- The 1st call is disconnected if you press while receiving a 2nd call.
- Switch between calls by pressing . ⇨ ▼/▲: "**Swap**" ⇨

Conference call

1 Connect the 2nd call.

2 ⇨ ▼/▲: "**Merge**" ⇨

3 Select the desired feature.

Split a call	**1** ▼/▲: Select the desired party. ⇨ **2** ▼/▲: "**Split**" ⇨
End a call	▼/▲: Select the desired party. ⇨
End a conference	⇨ ▼/▲: "**Release Conf.**" ⇨

Security settings

PIN code

PIN1/PIN2 protects your SIM card against unauthorised use.

1 Press ▲. ⇨ ▼/▲: Select 🔧. ⇨ 📞

2 ▼/▲: "**Security**" ⇨ 📞

3 ▼/▲: "**PIN1 Request**" ⇨ 📞

4 ▼/▲: Select the desired setting. ⇨ 📞

5 Enter the current PIN1 code (4 to 8 digits). ⇨ 📞

Important:

- When the PIN1 code request is on, you must enter the PIN1 code each time the phone is turned on.
- If you enter the incorrect PIN1/PIN2 code 3 times, the SIM card is locked. Enter the 8-digit PUK1 code for PIN1 or the 8-digit PUK2 code for PIN2 to unlock.
- If you enter the incorrect PUK1/PUK2 code 10 times, contact your network operator/service provider for further information.
- Both PIN/PUK numbers are issued by your network operator/ service provider.

Note:

- The PIN1 code request cannot be set to "**Off**" with some SIM card types.
- If you want to change the PIN code, see page 47.

Phone code

The phone code protects the phone against unauthorised use.

1 Press ▲. ⇨ ▼/▲: Select 🔧. ⇨ 📞

2 ▼/▲: "**Security**" ⇨ 📞

3 ▼/▲: "**Phone Code Request**" ⇨ 📞

4 ▼/▲: Select the desired setting. ⇨ 📞

5 Enter the current 4-digit phone code (default: "0000"). ⇨ 📞

Important:

- When the phone code request is on, you must enter the phone code each time the phone is turned on.
- The phone will automatically turn off if you enter the incorrect phone code 3 times. If you forget your phone code, contact an authorised service centre.

Note:

- If you want to change the phone code, see page 47.

Camera

Taking a picture

We recommend using a microSD card.

1 Press [📷] in standby mode.

2 Press [📷] to take a picture.

● Light on ● Light off	Press ☼ to turn the light on and off (page 3).
● Zoom in ● Zoom out	Press and hold ▲ or ▼.
Adjust the exposure (brightness).	Press + or −.
The following options are available for 5 seconds after taking a picture. (Pressing 📞)	
Send	▼/▲: “**Send**” ⇨ 📞
Delete	▼/▲: “**Delete**” ⇨ 📞

Note:

- The phone can capture images and save them in the “Photos” folder in the selected memory location (page 39). For information about camera settings, see page 44.
- When you close the phone while using camera mode, camera mode ends and the phone returns to standby mode.
- If line accumulates on the camera lens, images may become blurry. In this case, wipe the lens with a soft, dry cloth.

Camera options

pressing :

- "**Image Viewer**"
- "**Camera Settings**"
- "**Image Settings**"
- "**White Balance**"
- "**Scene Mode**"
- "**Effect Settings**"
- "**Storage**"
- "**Restore Default**"

Image viewer

1 Press ▲. ⇨ ▼/▲: Select . ⇨

2 Press ▼ or ▲ to select the desired file.

3 ⇨ ▼/▲: "**View**" ⇨

▼	View the next image
▲	View the previous image
3	Rotate the image clockwise by 90 degrees.

Note:

- The file number and available function keys are shown on the display for 5 seconds after the image appears on the display. To display them again, press any dial key.
- Some images may not be resizable.

Image viewer options

Press ▲. ⇨ ▼/▲: Select . ⇨ ⇨ ▼/▲: Select an image. ⇨ :

- "**View**"
- "**Image Information**"
- "**Browser Style**"
- "**Send**"
- "**Use as**"
- "**Rename**"
- "**Delete**"
- "**Delete All Files**"

File manager

Opening a folder or file in the memory

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ ☎

2 ▼/▲: "**File Manager**" ⇨ ☎

3 ▼/▲: Select the desired memory location (root directory).

4 ☎ ⇨ ▼/▲: "**Open**" ⇨ ☎

5 ▼/▲: Select the desired folder or file.

Folder options

– "**Open**"
– "**New Folder**"
– "**Rename**"
– "**Delete**"
– "**Sort by**"

File options

– "**View**"
– "**Image Information**"
– "**Play**"
– "**Send**"
– "**Use as**"
– "**New Folder**"
– "**Rename**"
– "**Delete**"
– "**Sort by**"
– "**Copy**"
– "**Move**"
– "**Delete All Files**"
– "**Detail**"

Note:

- If you view the saved files after deleting files, the files may not be sorted correctly.

Menu list

Note:

● In the following table, < > indicates the default settings.

"Messages" menus

Press ▲. ⇨ ▼/▲: Select ✉. ⇨ 📞

Sub-menu 1	Sub-menu 2	Sub-menu 3	Sub-menu 4	page
Create Message	SMS	–	–	24
Inbox	–	–	–	25
Draftbox	–	–	–	–
Outbox	–	–	–	–
Sentbox	–	–	–	–
Delete All	–	–	–	–
Broadcast messages	–	–	–	–
Settings	SMS	Service Centre	–	–
		Validity Period*1	–	–
		Voicemail	Call Voicemail	22
			Edit	22
		Status Report*2 <Off>	–	–
		Reply Path*3 <On>	–	–
		Memory Status	–	–
		Storage Media	–	–
		Save sent SMS <On>	–	–

*1 Set the time period during which the service centre will try to resend the SMS message if it has not been delivered.

*2 Receive status reports to find out whether your sent SMS messages have been successfully delivered or not.
*3 SMS messages may be sent using another service centre number when this feature is turned on.

"Phonebook" menus

Press ▲. ⇨ ▼/▲: Select 📖. ⇨ 📞

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
Contacts	–	–	26
Add New Contact	–	–	26
Speed Dial	–	–	27
One Touch Dial	–	–	27
My Number	–	–	–
Memory Manager	Storage Media <Phone>	–	–
	Memory Status	–	–
	Copy All	–	–
	Delete All	–	–
FDN Phonebook*1 <Off> (SIM card dependent)	–	–	–
Service Dial*2 (SIM card dependent)	–	–	–

*1 Activate or deactivate FDN (Fixed Dialling Number). When this feature is activated, only the phone numbers stored in the FDN list can be shown, dialled, or messaged. The PIN2 code is required every time you access the FDN phonebook.
*2 Access the special services of your network operator/service provider (such as customer support, emergency services, etc.) if SDN (Service Dialling Number) is included on your SIM card.

“Call Menu” menus

Press ▲. ⇨ ▼/▲: Select . ⇨ .

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
Call Log	Incoming Call	–	22
	Outgoing Call	–	
	Missed Call	–	
	Delete All	–	
Call Settings	Priority Call	Call Number	34
		Message	34
		Buzzer <On>	–
	Call Waiting	–	35
	Call Divert*1	–	–
	Call Barring*2	Outgoing Barring	–
		Incoming Barring	–
		Barring Password	–
	Show My ID*3 <Network Set>	–	–
	Auto Redial*4 <Off>	–	–
	Answer Mode	Any Key <Off>	–
		Open to Talk <Off>	–

*1 Call divert may not work if call barring is activated.

*2 Call barring may not work if call divert is activated. If you enter the incorrect barring password 3 times, it becomes invalid. Contact your network operator/ service provider. The barring password is issued by your network operator/ service provider.

*3 When you set this to “**Hide ID**”, you may not be able to make calls depending on the network.

*4 When this feature is on, the phone automatically redials multiple times under certain conditions (no answer, the other party’s line is engaged, etc.). To stop auto redial while redialling, press .

“Camera” menus

Press ▲. ⇨ ▼/▲: Select . ⇨ ⇨ ⇨

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
Image Viewer	–	–	39
Camera Settings	Shutter Sound <Sound 1>	–	39
	EV (Exposure Value) <EV 0>	–	
	Contrast <Medium>	–	
	Delay Timer <Off>	–	
Image Settings	Image Size <Wallpaper (240x320)>	–	39
	Image Quality <Normal>	–	
White Balance <Auto>	–	–	39
Scene Mode <Auto>	–	–	39
Effect Settings <Normal>	–	–	39
Storage <Phone>	–	–	39
Restore Default	–	–	39

"Image Viewer" menus

Press ▲. ⇨ ▼/▲: Select . ⇨ ⇨ ▼/▲: Select an image. ⇨

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
View	–	–	39
Image Information	–	–	39
Browser Style <Matrix Style>	–	–	39
Send	Via Bluetooth	–	39
Use as	Wallpaper	–	39
	Caller Picture	–	
Rename	–	–	39
Delete	–	–	39
Delete All Files	–	–	39

“Settings” menus

Press ▲. ⇨ ▼/▲: Select . ⇨

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
Phone Settings	Clock Settings	Time Zone	–
		Date & Time	–
		Format Settings – Date Format <D/M/Y> – Time Format <24 hours>	–
		Night Mode <Off>	29
		Summer Time <Off>	–
	Display	Brightness <Level 3>	–
		Wallpaper*1 – System <Off> – User Defined	–
		Background <Black>	–
		Clock Display <On>	–
		Font Size <Middle>	12
	Language <Auto>*2	–	–
	Eco charging <Normal charging (100%)>	–	–
Network	Select Network	–	–
	Selection Mode*3 <Auto>	–	–
	GPRS Connection*4 <When Needed>	–	–
Connectivity	Data Account	–	–

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
Security	**PIN1 Request**	–	36
	Change PIN1[*5]	–	–
	Change PIN2	–	–
	Phone Code Request <Off>	–	37
	Change Phone Code <0000>	–	–
Reset Settings[*6]	–	–	–

[*1] To select a preset wallpaper pattern or to set this feature to "**Off**", select "**System**". To select one of your image files as the wallpaper pattern, select "**User Defined**".

[*2] "**Auto**" means the phone automatically changes the inserted SIM card language, dictated by the language setting of the SIM card.

[*3] Set the phone to automatically roam for a network or to search manually.
"**Auto**": The phone automatically searches for the currently available network.
"**Manual**": Depending on network situations the phone displays a list of networks that exist in the current location, allowing you to manually select the desired network.

[*4] You can select whether a GPRS connection is always set up or only when needed.

[*5] When you change the PIN1 code, make sure that the PIN1 code request is set to "**On**".

[*6] All settings other than the following items can be reset to factory default:
- All SMS messages, service centre number, and validity period
- Stored contacts, FDN phonebook, and My number
- All call logs, Priority call settings, Call waiting, Call divert, and Call barring
- Time zone, date and time, format settings, summer time, PIN1 code request, Phone code request, and Phone code
- All recorded voice memos and all schedule items stored in the calendar/ schedule
- Connectivity settings ("**Data Account**")
- Bluetooth MAC address

♪ "Profiles" menus

Press ▲. ⇨ ▼/▲: Select ♪. ⇨ 📞

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
General	Activate	–	–
	Customize	Ring Type <Ring only>	–
		Ringtone*1 <Ringtone 1>	–
		Message Ringtone*1 <Ringtone 2>	–
		Ringer Volume <Maximum>	–
		Keytone <On>	–
		Audible Dialling <Normal>	12
	Reset	–	–
Silent	–	–	–

*1 The preset melodies in this product are used with permission of © 2014 Copyrights Vision Inc.

💼 "Tools" menus

Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
Alarm	–	–	28
File Manager	–	–	40
Bluetooth	On/Off <Off>	–	51
	Visibility <On>	–	51
	My Device	–	51
	My Name	–	51

Sub-menu 1	Sub-menu 2	Sub-menu 3	page
Bluetooth	Advanced	Audio Path <To BT Device>	51
		Storage <Phone>	51
		MAC Address	51
Voice Recorder	Record	–	32
	List	–	32
Calendar	–	–	30
Telecoil Mode <Off>*1	–	–	–

*1 Turn this feature on when you activate the Telecoil mode of your hearing aid. You cannot use the frequency control equalizer feature when this feature is on (page 21).

Note:

- If your SIM card includes SAT (SIM Application Toolkit), display shows network operator/service provider's additional menu in this area. The SIM Toolkit allows the applications existing on the SIM card to interact and operate with your phone. Please contact your network operator/ service provider for further information.

"Ringer Volume" menu

Press ▲. ⇨ ▼/▲: Select . ⇨ ⇨ Press + or − to select the desired volume. ⇨

Note:

- If a corded headset is connected in, both headset and the unit will ring with volume level 1 (Low) for ear protection when receiving a call.

Using a Bluetooth® wireless connection

Note:

- Bluetooth wireless technology uses radio waves and there may be restrictions in some locations. Check with your local authorities.
- Consult the manufacturers of other devices to determine their compatibility with this phone.
- This phone supports the following Bluetooth profiles: HSP/HFP/OPP
- When your phone is connected to both a Bluetooth wireless headset and a corded headset, the corded headset takes priority over the Bluetooth wireless headset for the audio path.
- Ringtone may vary depending on Bluetooth wireless headset you use.

Turning Bluetooth on/off

1 Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞

2 ▼/▲: "**Bluetooth**" ⇨ 📞

3 ▼/▲: "**On/Off**" ⇨ 📞

4 ▼/▲: Select the desired setting. ⇨ 📞

Note:

- The default setting is "**Off**".

Bluetooth features

To use your phone with another Bluetooth device, you must first register your phone and the other device with each other. This is called “pairing”.

Bluetooth features options

Press ▲. ⇨ ▼/▲: Select 💼. ⇨ 📞 ⇨ ▼/▲: “**Bluetooth**” ⇨ 📞:

“**On/Off**”	Turns Bluetooth on/off.
“**Visibility**”	Makes your phone visible or invisible to other Bluetooth devices.
“**My Device**”	Allows you to search and add new Bluetooth devices and lists the paired devices.
– “**Search New**”	Searches for new Bluetooth devices and shows a list of discovered devices.
● “**Connect/ Disconnect**”	Connects or disconnects the paired audio device.
● “**Auto Connect**”	Sets the connected audio device as default.
● “**Rename**”	Allows you to edit the name of the paired device.
● “**Unpair**”	Unpairs the paired device.
● “**Delete All**”	Deletes all the paired devices.
“**My Name**”	Allows you to edit your phone’s name that appears in other Bluetooth devices.
“**Advanced**”	Allows the following settings.
– “**Audio Path**”	Switches the audio path from your phone to the connected audio device or vice versa.
– “**Storage**”	Selects the memory location for saving the files received via Bluetooth data transfer. (Only when the default save destination is set to the “**Memory Card**”.)
– “**MAC Address**”	Shows your phone’s Bluetooth MAC address information, which may be required when pairing the phone and another Bluetooth device.

Receiving files from another device

When the data is transferred from another device to your phone, there is a message on the display which prompts you to accept it.

Receiving phonebook data from another device

1 Press .

2 ⇨ ▼/▲: Select "**Save to Phone**" or "**Save to SIM**". ⇨

3 Confirm the details of the vCard, then press .

Receiving vCard (VCF file) data from another device

1 Press .

2 ⇨ ▼/▲: "**Save as File**" ⇨

3 ▼/▲: Select the desired memory location (root directory). ⇨

4 ▼/▲: "**Open**" ⇨

5 ▼/▲: Select the desired folder. ⇨

6 ▼/▲: "**Select**" ⇨

7 Enter the file name (page 23). ⇨

8 ▼/▲: "**Save**" ⇨

Receiving files other than vCard (VCF file)

1 Press to start receiving the data.

2 Wait for the message that indicates the data was received successfully. ⇨

3 The file manager screen is displayed.

Note:

- The file is saved in the "**Received**" folder in the selected memory location (page 52). (Only when the default save destination is set to the "**Memory Card**".)

Using a USB connection

1 Connect the phone to your computer with a USB cable.

2 Using your computer, open the desired folder on the phone/ memory card and on your computer.

3 Using your computer, drag and drop the files and folders you want to copy.

Important:

- Do not disconnect the USB cable from your phone and the computer while data is being transferred, otherwise the data on your phone/memory card may become corrupted.
  After the data transfer, return to the USB mass storage screen on your computer and safely disconnect your phone from your computer.

Troubleshooting

If you still have difficulties after following the instructions in this section, turn off the phone, remove the battery, then turn it on again after about 1 minute.

Display messages

Display message	Cause/solution
`SIM Error`	Contact your network operator/service provider for further information.
`Limited Service`	There is no network service in your current location. Move to another location where your network can be received properly. You can only call the international emergency number “112”.
`No Service`	There is no network service in your current location. Check the current status and move to a new location with better reception.
`PUK1 Blocked!` or `PUK2 Blocked!`	You entered incorrect PUK1/PUK2 code 10 times, therefore PUK1/PUK2 code is blocked. Contact your network operator/ service provider.
`Error! Charging stopped, see manual.`	● **This error means that the protection system is working to avoid damage to the battery.** Charge the battery only in ambient temperatures ranging from 10 °C to 40 °C. ● **To return to normal operation:** 1. For erase the error message, push 2. For charging reconnect the USB cable.
`To prevent possible hearing damage, do not listen at high volume levels for long periods.`	When you try to set the earphone volume to a certain level, this message will be displayed. Press to continue adjusting the volume.

General use

Problem	Cause/solution
The phone does not turn on even after installing charged battery.	● Press for about 2 seconds to turn the power on.
The phone does not work.	● Make sure the SIM card and battery are installed correctly (page 5). ● Fully charge the battery (page 7).
The contacts in the contacts list are not displayed correctly.	● Only characters supported by this phone can be displayed.
The display is in a language I cannot read.	● Change the display language (page 46).
The phone beeps and/or flashes.	● Battery charge is low. Fully charge the battery (page 7).
I fully charged the battery, but – still flashes or – the operating time seems to be shorter.	● Clean the battery ends (⊕, ⊖) and the charge contacts with a dry cloth and charge again. ● It is time to replace the battery (page 5).
Noise is heard, sound cuts in and out.	● You are using the phone in an area with high electrical interference. Move to a location away from sources of interference. ● The GSM network signal is weak. Check the current status and move to a new location until more bars are visible (page 8).
The phone does not ring.	● The ringer volume is turned off. Adjust ringer volume (page 49). ● Night mode is on. Turn it off (page 29).

Problem	Cause/solution
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.
I cannot make a call.	● Outgoing calls are barred. Deactivate the outgoing call bar settings (page 43). ● Your call is withheld. Change the show my ID setting to a setting other than "**Hide ID**" (page 43). ● Fixed dialling feature is enabled (page 42). Disable it.
I cannot receive a call.	● Incoming calls are barred. Deactivate the incoming call bar settings (page 43).
I cannot send SMS messages.	● The phone could not connect to the service centre. Confirm that the correct service centre number is stored (page 41). ● Fixed dialling feature is enabled (page 42). Disable it.
I cannot receive SMS messages.	● SMS message transmission was interrupted. Wait until the SMS message has been sent before using other phone functions.
I cannot receive voicemail message notifications.	● When the SMS message memory is full, you may not be able to receive any new voicemail message notifications. Erase unnecessary SMS messages to receive new voicemail message notifications (page 25).
I cannot receive SMS messages even though the phone has enough memory.	● Some kinds of SMS messages can be received only by the SIM card. Check the memory status of the SIM card (page 41) and erase unnecessary SMS messages (page 25).

Problem	Cause/solution
I cannot receive E-mail messages.	● This phone only supports SMS message services. Contact your network operator/ service provider for details of this service.
Liquid or other form of moisture has entered the phone/charger.	● Disconnect the USB charging cable from the phone/charger. Remove the SIM card, microSD card, and battery from the phone and leave to dry for at least 3 days. After the phone/charger are completely dry, insert the SIM card, microSD card, and battery into the phone. Then reconnect the USB charging cable to charge fully before use. If the phone does not work properly, contact your place of purchase or nearest Panasonic service centre.
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 Navigation 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 Code Request > Select the option and press and hold the Navigation key ▲ (☰). 2. Press the Dial key to proceed with restoring to factory settings.

Caution:

● To avoid permanent damage, do not use a microwave oven to speed up the drying process.

General information

- This phone is designed to operate on GSM network - GSM 900/1800 MHz.
- This equipment is designed for use in European Union.
- 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 Easy Use Mobile Phone KX-TU446 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

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.

Sales department

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

■ **Belgique/België**
Panasonic Belgium is a branch of
Panasonic Marketing Europe GmbH

Europalaan 28E
5232 BC 's-Hertogenbosch, The Netherlands
Tel. (Belgique/België): 0032 70 223 011
Réparations/Reparaties:
www.panasonic.be

■ **France**
Panasonic France, une Succursale
de Panasonic Marketing Europe GmbH

1 à 7 Rue du 19 Mars 1962
92238 Gennevilliers Cedex, France
Service Consommateurs:
08 92 35 05 05 (0,34 € la minute)
Service après-vente:
01 70 48 91 73 (numéro non surtaxé)

■ **Deutschland**
Panasonic Deutschland eine Division der
Panasonic Marketing Europe GmbH

Winsbergring 15
22525 Hamburg
www.panasonic.de

■ **Italia**
Panasonic Italia - branch office of
Panasonic Marketing Europe GmbH

Viale dell'Innovazione
3-20126 Milano
servizio clienti: 02-67 07 25 56
www.panasonic.it

■ **España**
Panasonic España, Sucursal de
Panasonic Marketing Europe GmbH

WTC Almeda Park
Plaza dela Pau s/n Edificio 8 planta baja
08940 Cornella de Llobregat, Barcelona
Número del teléfono de atención al cliente:
902 15 30 60
www.panasonic.es

■ **Nederland**
Panasonic Netherlands

Europalaan 28E
5232 BC 's-Hertogenbosch
Tel: 073 6 402 802
Reparaties:
www.panasonic.nl

■ **Türkiye**
Başari Elektronik Sanayi ve Ticaret A.Ş.

Mah. Batman Sok. No: 30 Iç Kapi
No: 20 34734 Kadiköy / Istanbul

Sales department/Értékesítési osztály/Dział sprzedaży/Obchodné zastúpenie/Obchodní zastoupení/Kontakt/Prodajni oddelek/Departamentul de vânzări/Отдел „Продажби“/ Odeljenje prodaje/Оддел за продажба/Departamenti i shitjeve/Prodajni odjel

■ Magyarország

Panasonic Marketing Europe GmbH.
South-East Europe Fióktelep

1117 Budapest, Alíz u.4. Office Garden III.
Tel.: +36 80 201 006
E-mail: Customer.Budapest@eu.panasonic.com
Web: www.panasonic.hu

■ Česká republika

Panasonic Marketing Europe GmbH,
organizační složka Česká republika

Thámova 289/13 (Palác Karlín)
186 00 Praha 8
Telefon: +420 236 032 511
Centrální fax: +420 236 032 411
Zákaznická linka: +420 236 032 911
E-mail: panasonic.praha@eu.panasonic.com
Web: www.panasonic.cz

■ Slovenská republika

Panasonic Marketing Europe GmbH,
organizačná zložka Slovenská republika

Štúrova 11
811 01 Bratislava, Slovenská republika
Telefón: +421 2 2062 2211
Fax: +421 2 2062 2311
Zákaznická linka: +421 2 2062 2911
E-mail: panasonic.bratislava@eu.panasonic.com
Web: www.panasonic.sk

■ Romania

Panasonic Marketing Europe GmbH, Wiesbaden,
Germania, Sucursala Bucureşti, Romania

B-dul Preciziei, Nr. 24, West Gate Park,
Clădirea H3, Etaj 2, Sector 6,
Bucureşti, 062204, Romania
Telefon: +40 21 316 31 61
Fax: +40 21 316 04 46
E-mail: suport.clienti@eu.panasonic.com
Web: www.panasonic.ro

■ Polska - Dystrybucja w Polsce

Panasonic Marketing Europe GmbH, Oddział
w Polsce (Spółka z ograniczoną odpowiedzialnością)

ul. Wołoska 9A, 02-583 Warszawa

Produkt Panasonic
Produkt objęty jest E-Gwarancją Panasonic.
Prosimy o zachowanie dowodu zakupu.
Warunki gwarancji oraz informacje o produkcie
są dostępne na stronie www.panasonic.com/pl
lub pod numerem telefonu (+48) 825 820 000.
Dystrybucja w Polsce:
Panasonic Marketing Europe GmbH
(Spółka z ograniczoną odpowiedzialnością)
Oddział w Polsce
ul. Wołoska 9, 02-583 Warszawa

■ Hrvatska

Panasonic Marketing Europe GmbH
– Podružnica Zagreb

B. Bušića 27
10 020 Zagreb, Hrvatska

Equipment Power Consumption

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

Graphical symbols for use on equipment and their descriptions

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

Panasonic Marketing Europe GmbH
Hagenauer Straße 43, D-65203 Wiesbaden, Germany

Authorised Representative in EU:
Panasonic Marketing Europe GmbH
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany

Importer for UK:
Panasonic UK, a branch of Panasonic Marketing Europe GmbH,
Maxis 2, Western Road, Bracknell, Berkshire, RG12 1RT

www.panasonic.com

© Panasonic Marketing Europe GmbH 2025