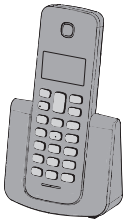
Panasonic®

Operating Instructions

Digital Cordless Phone

Model No. **KX-TGB110AL**
KX-TGB112AL



Model shown is KX-TGB110

Before initial use, see "Getting Started" on page 9.

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

Introduction

Accessory information 3

Important Information

For your safety..... 4
Important safety instructions..... 6
For best performance 6
Other information..... 7
Specifications 8

Getting Started

Setting up 9
Note when setting up..... 10
Navigating the menus..... 11
Date and time 11
Controls 12
Display icons 13
Menu Map..... 14

Making/Answering Calls

Making calls..... 15
Answering calls..... 15
Useful features during a call 15
Intercom, transferring calls and conference calls..... 16
Redial 16
Lock/unlock the keypad..... 17
Handset locator 17

Phonebook

Phonebook 18

Caller ID and Calls list

Caller ID and Calls list 20

Programming

Clock and Alarm 22
Personal settings..... 22
Base settings 23

Useful Information

Voicemail 27
Troubleshooting..... 27

Index

Index 29

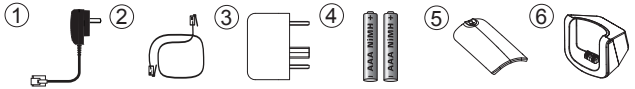
Accessory information

Supplied accessories

No.	Accessory item/Part number	Quantity	
		KX-TGB110	KX-TGB112
①	AC adaptor/S003IS0600040	1	2
②	Telephone line cord	1	1
③	Telephone plug	1	1
④	Rechargeable batteries*1	2	4
⑤	Handset cover*2	1	2
⑥	Charger	-	1

*1 See below for replacement battery information.

*2 The handset cover comes attached to the handset.



Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Model number
Rechargeable batteries*1	Battery type: – Minimum amperage of 300 mAh – Nickel metal hydride (Ni-MH) – 2 x AAA (R03) size for each handset – 1.2v

*1 Replacement batteries may have a different capacity from that of the supplied batteries. We recommend using Panasonic rechargeable batteries.

Other information

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

For your safety

To prevent severe injury and loss of life/ property, read this section carefully before using the product to ensure proper and safe operation of your product.

⚠ 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 AC adaptor/ power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
- Regularly remove any dust, etc. from the AC adaptor/power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.
- Unplug the product from power outlets 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 authorized 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

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Do not allow the AC adaptor or telephone line cord to be excessively pulled, bent or placed under heavy objects.
- It is advised not to use the equipment at a refuelling point. Users are reminded to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress.

Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Do not spill liquids (detergents, cleansers, etc.) onto the telephone line cord plug, or allow it to become wet at all. This may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall socket, and do not use.

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The product operates in the frequency range of 1881,792 to 1897,344 MHz, and the RF transmission power is 250 mW (max.).)
- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

⚠ CAUTION

Installation and location

- Never install telephone wiring during an electrical storm.
- Never install telephone line sockets in wet locations unless the socket is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- This product is unable to make calls when:
  – the handset batteries need recharging or have failed.
  – there is a power failure.

Battery

- We recommend using the batteries noted on page 3. **USE ONLY rechargeable Ni-MH batteries AAA (R03) size**.
- Do not mix old and new batteries.
- Do not open or mutilate the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Charge the batteries 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 base unit (or charger) to charge the batteries. Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the batteries to swell or explode.

General notices

- Please ensure that a separate telephone, not dependent on local power, is available for emergency use.
- This equipment will be inoperable when mains power fails.
- When a failure occurs which results in the internal parts becoming accessible, disconnect the power supply cord immediately and return this unit to an authorised service centre.
- To minimise the possibility of lightning damage, when you know that a thunderstorm is coming, we recommend that you:

  – Unplug the telephone line cord from the phone socket.

  – Unplug the AC adaptor from the AC power outlet.
- No “000” or other calls can be made from this device during a mains power failure.
- The earpiece on the handset is magnetised and may retain small metallic objects.

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, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (including a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

For best performance

Base unit location/avoiding noise

The base unit and other compatible Panasonic units use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your base unit:
  – at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.
  – away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
  – facing away from radio

frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)

- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as radiators, cookers, etc. It should not be placed in rooms where the temperature is less than 10 °C or greater than 40 °C. Damp basements should also be avoided.
- The maximum calling distance may be shortened when the product is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.
- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

Routine care

- **Wipe the outer surface of the product with a soft moist cloth.**
- Do not use benzine, thinner, or any abrasive powder.

Other information

- **CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Notice for product disposal, transfer, or return

- This product can store your private/ confidential information. To protect your privacy/confidentiality, we recommend that you erase information such as phonebook or caller list entries from the memory before you dispose of, transfer, or return the product.

Information on Disposal in other Countries outside the European Union

These symbols 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 removal procedure

Refer to “Battery installation” on page 9.

Specifications

- Standard:
  DECT (Digital Enhanced Cordless Telecommunications)
- Frequency range:
  1881,792 to 1897,344 MHz
- RF transmission power:
  Approx. 10 mW (average power per channel)
- Power source:
  100-240 V AC, 50/60 Hz
- Power consumption:
  Base unit:
  Standby: Approx. 0.75 W
  Maximum: Approx. 1.15 W
  Charger:
  Standby: Approx. 0.25 W
  Maximum: Approx. 0.85 W
- Operating conditions:
  10 °C to 40 °C 20 % – 80 % relative air humidity (dry)

Setting up

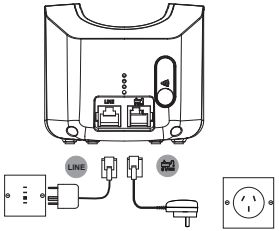
Connections

■ Base unit

Connect the AC adaptor plug to the unit until you hear a click.
Connect the AC adaptor to the power outlet.
Connect the telephone line cord to the unit and telephone line socket until you hear a click.
A DSL/ADSL filter (not supplied)*1 is required if you have a DSL/ADSL service.
*1 Connect a DSL/ADSL filter between the telephone plug and telephone line cord.

Note:

- Use only the supplied Panasonic AC adaptor S003IS0600040.
- Use only the supplied telephone line cord.



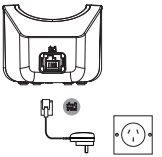
Charger

Connect the AC adaptor plug to the unit until you hear a click.

Connect the AC adaptor to the power outlet.

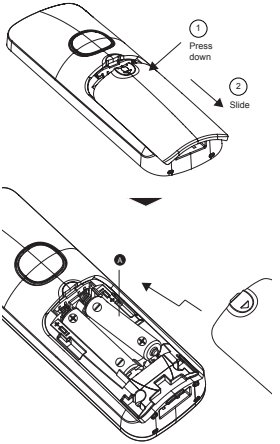
Note:

- Use only the supplied Panasonic AC adaptor S003IS0600040.



Battery installation

- USE ONLY rechargeable Ni-MH batteries AAA (R03) size(A).
- Do NOT use Alkaline/Manganese/ Ni-Cd batteries.
- Confirm correct polarities.



Battery charging

Charge for at least 7 hours.

When the handset needs charging, the display shows **"LOW BATTERY"** and there is a warning beep every 2 minutes during a call, recharge the handset before using it again. When charging, icon will scroll on the display.

Note when setting up

Note for connections

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.
- The unit is not designed to be used with rotary/pulse dialling services.

During a power failure

The unit will not work during a power failure. We recommend connecting a corded-type telephone (without AC adaptor) to the same telephone line or to the same telephone line socket using a telephone double adaptor.

Note for battery installation

- Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 3 and 5.

Note for battery charging

- It is normal for the handset to feel warm during charging.
- Clean the charge contacts of the handset, base unit and charger with a soft and dry cloth once a month. Before cleaning the unit, disconnect from power outlets and any telephone line cords. Clean more often if the unit is exposed to grease, dust, or high humidity.

Battery level

	Battery is fully charged
	Battery is partially charged
	Battery is running low
	Flashes when battery is almost fully discharged

Panasonic Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	10 hours max.*1
Not in use (standby)	200 hours max.*1

*1 If eco mode is off.

Note:

- Actual battery performance depends on usage and ambient environment.

Navigating the menus

The phone has an easy to use menu system. Each menu has a list of options, which can be seen on the menu map on page 14.

When the handset is switched on and in standby:

1. [(OK)] to open the main menu.
2. [▲▼]: ⟶ available options.
3. [(OK)] to select an option.
4. To return to the previous menu level, press [(C)].
5. To exit the menu and return to standby, press [(OFF)].

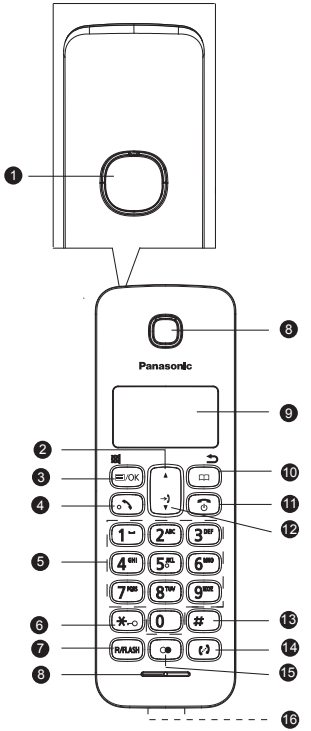
Note:
If no buttons are pressed for 30 seconds, the handset returns to standby automatically.

Date and time

1. [(OK)], ⟶ [▼] **"CLOCK/ ALARM"**, press [(OK)].
2. **"DATE & TIME"**.
3. [(OK)] to select.
4. Enter the date using the keypad (e.g. 12--08--15 for 12th of August 2015), press [(OK)] to confirm.
5. Enter the time using the keypad (e.g. 14--30 for 2:30pm), press [(OK)] to confirm.

Controls

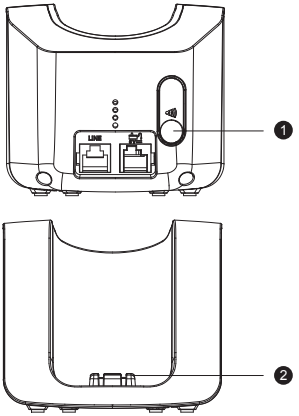
Handset



1	**Speaker**
2	**Up** During a call, press to increase earpiece volume, page 15. When the phone is ringing, press to increase the handset ringer volume, page 15. Press to scroll through the menu options, redial list, calls list and phonebook entries.
3	**Menu/OK/Mute** Press to open the Menu. Press to select menu options and to confirm a displayed option. During a call, press to turn mute on/off, page 15.
4	**Talk** Press to make and receive calls.
5	**Dial keypad**
6	**✱/Keylock** Dial a star. Press and hold to lock/unlock the keypad.
7	**Recall/Flash** Use with switchboard/PBX services and some network services.
8	**Microphone**
9	**Display** See page 13 for an overview of the display icons.
10	**Phonebook/Delete/Back** In standby mode, press to open the phonebook list. In editing mode, press to delete characters and digits. Go back to the previous menu level.

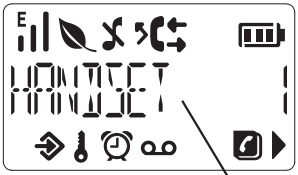
11	**End Call/Exit/Handset on/off** Press to end a call. When viewing the redial / calls list / phonebook or when in the menu, press to exit and return to standby. Press and hold for about 2 seconds to switch the handset on. Press and hold for about 5 seconds to switch the handset off.
12	**Down/Calls list** During a call, press to decrease earpiece volume, page 15. When the phone is ringing, press to decrease the handset ringer volume, page 15. Press to scroll through the menu options, redial list, calls list and phonebook entries. In standby mode, press to open the calls list.
13	**#/Pause** Dial a #. Press and hold to enter a pause (P) when pre-dialling or storing numbers.
14	**Intercom** Used to make internal calls and transfer calls to other handsets registered to the base, page 16. This feature is not available for single handset model.
15	**Redial** Press to open the redial list, page 16.
16	**Charge contacts**

Base unit



1	**Locator button** Use to locate a misplaced handset or when registering additional handsets.
2	**Charge contacts**

Display icons



Handset name or Time
In standby mode, press and hold [MENU/OK] to switch handset idle screen between handset name or time.

Signal icon
Steady when registered and in range. Flashes when out of range of the base or searching for the base.*

Eco mode is ON

Zero Emit is ON

Handset ringer is off

Indicates a missed call

Steady when making an outgoing call
Flashes to indicate an incoming or internal call

Indicates an answered call when viewing the calls list

Indicates an outgoing call when viewing the redial list

Menu is open

Keypad is locked

Alarm is set

Indicates new voicemail messages received

Phonebook is opened

More text after

*If you are on a call when you move out of range you will hear a warning beep and the line will hang up. Move closer to the base and the handset will automatically reconnect.

Menu Map

PHONEBOOK	- VIEW - ADD NEW - EDIT - DELETE* - DELETE ALL*
CLOCK/ALARM	- DATE & TIME - SET ALARM
PERSONAL SET	- HANDSET TONE - *RING VOLUME* - *RING MELODY* - *KEY TONE* - HANDSET NAME - AUTO ANSWER - LANGUAGE
ADVANCED SET	- ECO MODE - ZERO EMIT - AUTO PREFIX - RECALL TIME - CHANGE PIN - REGISTER - UNREGISTER - RESET

*Only available if a phonebook entry is stored.

Making calls

1 [ ].

2 When there is a the dial tone, dial the number.

3 When you finish talking, press [ ] or place the handset on the base unit or chager.

OR

1 Lift the handset and dial the phone number.
- To correct a digit, press [ ].

2 [ ].

3 When you finish talking, press [ ] or place the handset on the base unit or charger.

Note:

- When **"BUSY"** is displayed, another handset is in use. Wait and try again later.

Adjusting the receiver volume

[ ] repeatedly while talking.

Pause (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service. When storing a calling card access number and/or PIN in the phonebook, a pause is also needed.

Example: If you need to dial the line access number "0" when making outside calls with a PBX:

1 Press and hold [#] **"P"** (Pause) will display.

2 Dial the phone number. ⟶ [ ].

Note:

- A 3 second pause is inserted each time you press and hold [#] (Pause) on the handset.

Answering calls

When an external call is received, the phone rings and icon flashes on the display.

1 Lift the handset, press [ ] when the unit rings.

2 When you finish talking, press [ ] or place the handset on the base unit or charger.

Auto answer: You can answer calls simply by lifting the handset (page 23).

Adjusting the handset ringer volume

[ ] repeatedly to select the desired volume while ringing.

Useful features during a call

Mute

1 [MUTE/OK] during a call.**"MUTE ON"**

2 To return to the call, press [MUTE/OK].

Recall

[R/FLASH] allows you to use the special features of your host PBX such as transferring an extension call, or accessing optional telephone services.

Note:

- To change the recall time, see page 24.

Intercom, transferring calls and conference calls

Available for: KX-TGB112

Making an internal call

If 2 or more handsets are registered to the base, internal calls can be made between two handsets. icon flashes and the display shows the handset number you are calling.

1 Press [ ] and the other handset rings automatically.

Receiving an internal call

When an internal call is received, icon flashes and the handset number that is calling is displayed.

1 [ ] to answer the call.

Transferring calls

Outside calls can be transferred or a conference call with an outside party can be made between 2 handsets.

During an outside call:

1 Press [ ] and the other handset rings automatically.

2 When the other handset answers, press [ ] to complete the transfer.

Note:
If there is no answer from the other handset press [ ] to return to the external caller. The external call resumes automatically after 60 seconds if there is no answer.

3-way conference call

To hold a 3-way conference call between 2 internal callers and 1 external caller.

During a call with an outside caller:

1 Press [ ] and the other handset rings automatically.

2 Once the second handset answers, press and hold [ ] to join all 3 callers.

3 Press [ ] to end the call.

Redial

Making a call using the redial list

The last 10 phone numbers dialled are stored in the redial list (each 24 digits max.).

1 [ ].

2 [ ]: Select the desired phone number.

3 [ ].

Note:
If you have Caller ID and the caller's number exactly matches an entry stored in the phonebook, the name is displayed.

Erasing a number or the entire redial list

1 【◉】.
2 【▲▼】: Select the desired phone number.
3 【MENU/OK】, → 【▼】**"DELETE"** or **"DELETE ALL".**
4 【MENU/OK】.
5 【MENU/OK】 to confirm or 【C】 to cancel.

Copy a Redial list number to the phonebook

1 【◉】.
2 【▲▼】: Select the desired phone number.
3 【MENU/OK】. **"SAVE NUMBER"**.
4 【MENU/OK】. **"ENTER NAME"**.
5 Enter the name, press 【MENU/OK】. The number is displayed.
6 Edit the number if necessary, then press 【MENU/OK】. The number is stored.

Note:
See 'Entering names and Writing tips' on page 18.

Lock/unlock the keypad

The keypad can be locked so that it cannot be operated accidentally while carrying it around.

Note:
When the keypad is locked an incoming call can still be answered and the handset will operate as normal. When the call ends, the keypad lock comes on again.

1 Press and hold 【*】, **"KEYS LOCKED"** and 🔒 icon is displayed.
2 Press and hold 【*】 again to unlock the keypad.

Handset locator

The handset locator can be used to alert a handset user that they are wanted or locate a missing handset. Locator calls cannot be answered by a handset.

1 【🔔】 on the rear of the base. All handsets registered to the base will ring.
2 To stop the ringing, 【🔔】 or press any button except 【INTLAB】, 【◉】, and 【↩】 on the handset.

Phonebook

The phonebook can store up to 50 names and numbers. Names can be up to 12 characters long and numbers up to 24 digits.

Store a name and number

When subscribed to Caller ID, to display the name of the caller instead of the number, save the full telephone number including the area code to the phonebook.

Multiple entries can stored with the same name. However, to prevent unnecessary duplicated entries, the number can be stored only once.

1 [MENU/OK]. **"PHONEBOOK"**.
2 [MENU/OK], → [▼] **"ADD NEW"**.
3 [MENU/OK]. **"ENTER NAME"**.
4 Enter the name, press [MENU/OK]. **"ENTER NUMBER"** is diplayed.
5 Enter the number, press [MENU/OK]. The entry is saved.
6 [OFF] to return to standby.

Entering names and writing tips

Use the keypad letters to enter names, e.g. to store TOM:

[8 TUV] once to enter T.

[6 MNO] three times to enter O.

[6 MNO] once to enter M.

[C] to delete the last character or digit.

[▲▼]: Move between characters/digits.

[1 ⌣] to insert a space.

[1 ⌣] twice to insert a dash.

View or dial an entry

1 [C]. icon is displayed.
2 [▲▼]: Select the required entry.
OR
Enter the first letter of the name to search alphabetically. The first name that starts with this letter or the nearest letter in the alphabet will be displayed.
[▲▼]: Select the required entry.
3 [TALK] to dial or [OFF] to return to standby.

Note:
When the name is displayed, to switch the number, press [MENU/OK]. To return to the name, press [C].

Edit a name and number

1 [MENU/OK]. **"PHONEBOOK"**.
2 [MENU/OK], → [▼] **"EDIT"**, press [MENU/OK].
3 [▲▼]: To the entry the needs to be edited, or search alphabetically, press [MENU/OK].
4 [C] to delete the name if required, then enter the new name, press [MENU/OK]. The existing number is displayed.
5 [C] to delete the number if required, then enter the new number, press [MENU/OK]. The entry is saved.
6 [OFF] to return to standby.

Delete an entry

1 【(≡/OK)】. **“PHONEBOOK”**.

2 【(≡/OK)】, → 【▼】**“DELETE”**, press 【(≡/OK)】.

3 【▲▼】: To the entry that needs to be deleted, or search alphabetically, press 【(≡/OK)】.

4 【(≡/OK)】 to confirm or 【(▭)】 to cancel.

Delete all entries

1 【(≡/OK)】. **“PHONEBOOK”**.

2 【(≡/OK)】, → 【▼】**“DELETE ALL”**, press 【(≡/OK)】.

3 【(≡/OK)】 to confirm or 【(▭)】 to cancel.

Store a quickdial number

Your phone can store 2 quickdial numbers for key 1 and 2.

The quickdial name can be upto 10 characters.

1 【(≡/OK)】. **“PHONEBOOK”**.

2 【(≡/OK)】, → 【▼】**“EDIT”**, press 【(≡/OK)】.

3 【▲▼】: To select the key you want to store the number, press 【(≡/OK)】.

4 Enter the name, press 【(≡/OK)】.

5 Enter the number, press 【(≡/OK)】.

Note:
An entry stored in the phonebook can not be stored as a quickdial number. To dial a quickdial number, press and hold the relevent key until the number is displayed and dialled.

Caller ID and Calls list

IMPORTANT

To use Caller ID (such as displaying caller phone numbers), first subscribe to the service from the network provider. A subscription fee may be payable.

To ensure that the caller's name is displayed, make sure the full telephone number, including the area code is stored in the phonebook.

If the caller's number is stored in the phonebook, the name assigned to it will be displayed.

If the number is unavailable, **"UNKNOWN"** will be displayed.

Caller Display

If subscribed to Caller ID, the caller's number will be displayed (provided it is not withheld) prior to answering the call. The display can show the 12 digits or characters of the names and phone numbers.

To switch the screen between name or phone number, press [(MENU/OK)].

If the caller's name and number are stored in the phonebook and a number match is found, the caller's name will be displayed instead.

Calls list

The Calls list stores details of the last 20 received calls, including the phone number and date and time of the call.

The caller's details are stored in the Calls list whether or not the call has been answered. When the list is full, and a new call is received, the oldest entry will be deleted automatically.

Call waiting and Caller ID compatible

If you subscribe to Caller ID service, your handset displays the 2nd caller's information while talking. After you hear a call waiting tone, the caller's phone number will be displayed.

You can answer the 2nd call, keeping the 1st call on hold. Follow your service provider/ telephone company instructions using [(R/FLASH)]. (Recall/flash function)

- If the phone number is stored in the phonebook with its name, the caller's name will also be displayed.
- Please contact your service provider/ telephone company for details and availability in your area.

For Caller ID Type II users

When you receive a 2nd call during a conversation, you will hear a signal tone following the call waiting tone and the **conversation will be interrupted or muted for a short period of time**. This is not a fault of the product as these events are normal.

- The tones are generated by your service provider/telephone company.

View the Calls list

1 【▼】to open the Calls list. If there are no calls in the list, the display shows **"LIST EMPTY"**.

2 【▲▼】: To the required entry.

3 【MENU/OK】, **"VIEW"**, press 【MENU/OK】.

4 The display shows the date and time of the call.

Note:

disappears after viewing all missed call.

Dial a number in the Calls list

1 【▼】to open the Calls list.

2 【▲▼】: To the required entry.

3 【C】to dial the displayed entry.

Copy a Calls list number to the phonebook

1 【▼】to open the Calls list.

2 【▲▼】: To the required entry.

3 【MENU/OK】, → 【▼】**"SAVE NUMBER".**
If the name is already entered, go to step 5.

4 【MENU/OK】. **"ENTER NAME"**.

5 Enter the name, press 【MENU/OK】. The number is displayed.

6 Edit the number if necessary, then press 【MENU/OK】to confirm.

Note:

See 'Entering names and Writing tips' on page 18.

Delete an entry

1 【▼】to open the Calls list.

2 【▲▼】: To the required entry.

3 【MENU/OK】, → 【▼】**"DELETE"**.

4 【MENU/OK】, **"CONFIRM ?"**.

5 【MENU/OK】to confirm or 【C】to cancel.

Delete the entire Calls list

1 【▼】to open the Calls list.

2 【MENU/OK】, → 【▼】**"DELETE ALL"**.

3 【MENU/OK】, **"CONFIRM ?"**.

4 【MENU/OK】to confirm or 【C】to cancel.

Clock and Alarm

Setting the date and time

If you have subscribed to Caller ID Service, the date and time will be set on your handset whenever a call is received. You can also manually set the date and time.

1 【(≡/OK)】, ⟶ 【▼】**"CLOCK/ ALARM"**, press 【(≡/OK)】.
2 **"DATE & TIME"**.
3 【(≡/OK)】 to select.
4 Enter the date using the keypad (e.g. 12--08--15 for 12th of August 2015), press 【(≡/OK)】 to confirm.
5 Enter the time using the keypad (e.g. 14--30 for 2:30pm), press 【(≡/OK)】 to confirm.

Setting the alarm

1 【(≡/OK)】, ⟶ 【▼】**"CLOCK/ ALARM"**, press 【(≡/OK)】.
2 【▼】, **"SET ALARM"**, press 【(≡/OK)】.
3 【▲▼】: Select **"ON"** or **"OFF"**, press 【(≡/OK)】.
4 If you select **ON** enter the time using 24 hour format **"HH - MM"** (e.g 14:45 for 2:45pm), press 【(≡/OK)】 to confirm.

Once the alarm is set to on, the ⏰ icon is displayed. When the alarm goes off the ⏰ icon flashes. Press any dial key to stop the sound. After 10 minutes, the alarm sounds again. Press 【(↶)】, 【(▭)】 or 【(☎)】 to stop the alarm completely.

Personal settings

Handset ringer volume

The handset ring volume can be set to different volume level. Choose from 5 volume levels or Off.

1 【(≡/OK)】, ⟶ 【▼】**"PERSONAL SET"**, press 【(≡/OK)】.
2 **"HANDSET TONE"**, press 【(≡/OK)】.
3 **"RING VOLUME"**, press 【(≡/OK)】.
4 【▲▼】: Select the volume (1 - 5 or **"OFF"**).
5 【(≡/OK)】 to confirm or 【(▭)】 to return to the previous menu.

Note:
When the phone is ringing, adjust the ringer volume by pressing 【▲▼】.

Handset ringer melody

Different ringer melodies can be set. Choose from 5 different ringer melodies. While scrolling a sample ring will be heard for each melody.

1 【(≡/OK)】, ⟶ 【▼】**"PERSONAL SET"**, press 【(≡/OK)】.
2 **"HANDSET TONE"**, press 【(≡/OK)】.
3 【▲▼】: Select **"RING MELODY"**, press 【(≡/OK)】.
4 【▲▼】: Select the ringer melody (1 - 5).
5 【(≡/OK)】 to confirm or 【(▭)】 to return to the previous menu.

Key tones

1 [MENU/OK], → [▼] **"PERSONAL SET"**, press [MENU/OK].
2 **"HANDSET TONE"**, press [MENU/OK].
3 [▲/▼]: Select **"KEY TONE"**, press [MENU/OK].
4 [▲/▼]: Select **"ON"** or **"OFF"**.
5 [MENU/OK] to confirm or [C] to return to the previous menu.

Handset name

A personalized name can be set for each handset to easily distinguish between them. A name can be up to 10 characters long.

1 [MENU/OK], → [▼] **"PERSONAL SET"**, press [MENU/OK].
2 [▼] **"HANDSET NAME"**, press [MENU/OK].
3 Enter the new handset name, press [MENU/OK] to confirm.
To delete the current name or if a mistake is made, press [C] to delete the last character or digit.

Note

See 'Entering names and Writing tips' on page 18.

Auto answer

The phone is set to answer calls by lifting the handset off the base or charger. This feature can be switched off so that calls can only be answered by pressing [TALK].

1 [MENU/OK], → [▼] **"PERSONAL SET"**, press [MENU/OK].
2 [▼] **"AUTO ANSWER"**, press [MENU/OK].
3 [▲/▼]: Select **"ON"** or **"OFF"**.
4 [MENU/OK] to confirm or [C] to return to the previous menu.

Language

1 [MENU/OK], → [▼] **"PERSONAL SET"**, press [MENU/OK].
2 [▼] **"LANGUAGE"**, press [MENU/OK].
3 [▲/▼]: Select the preferred language.
4 [MENU/OK] to confirm or [C] to return to the previous menu.

Base settings

Eco mode

By operating the phone in Eco mode, the level of power emissions can be reduced. When the Eco mode is set to ON, the base transmission power will be reduced. This feature is set to OFF by default.

1 [MENU/OK], → [▼] **"ADVANCED SET"**, press [MENU/OK].
2 **"ECO MODE"**, press [MENU/OK].
3 [▲/▼]: Select **"ON"** or **"OFF"**.
4 [MENU/OK] to confirm or [C] to return to the previous menu.

Note:

When ECO mode is set to ON, the handset range will be reduced.

Zero Emit

When Zero emit is activated and the unit has been idle for about 1 minute, the transmitted power between the

handset and the base will stop, an incoming call or pressing any key will activate the unit and it will revert back to the normal mode. This feature is set to OFF by default.

1 [MENU/OK], → [▼] **"ADVANCED SET"**, press [MENU/OK].
2 [▼] **"ZERO EMIT"**, press [MENU/OK].
3 [▲▼]: Select **"ON"** or **"OFF"**.
4 [MENU/OK] to confirm or [C] to return to the previous menu.

Auto Prefix

You can set the phone to detect a dialling number and replace it with another number. The number to be detected can be up to 5 digits long. It can be replaced with a number up to 10 digits.

1 [MENU/OK], → [▼] **"ADVANCED SET"**, press [MENU/OK].
2 [▼] **"AUTO PREFIX"**, press [MENU/OK].
3 **"DIGIT DETECT"**, press [MENU/OK].
4 Enter the number you want to be detected, press [MENU/OK].
5 **"PREFIX"**, press [MENU/OK].
6 Enter the number you want it replaced with.
7 [MENU/OK] to confirm or [OFF] to return to standby.

Recall Time

This setting is useful to access certain network and PBX/switchboard services.

The default recall time is suitable for your country and network operator. It is unlikely that you should need to change this setting unless advised to do so.

1 [MENU/OK], → [▼] **"ADVANCED SET"**, press [MENU/OK].
2 [▼] **"RECALL TIME"**, press [MENU/OK].
3 [▲▼]: Select **"SHORT"**, **"MEDIUM"** or **"LONG"**.
4 [MENU/OK] to confirm or [C] to return to the previous menu.

Change base PIN code

Some functions are protected by a 4 digit PIN code which must be entered if the settings are changed. The default PIN is 0000. The PIN can be changed to a preferred number.

When entering a PIN, the digits are shown as ****.

1 [MENU/OK], → [▼] **"ADVANCED SET"**, press [MENU/OK].
2 [▼] **"CHANGE PIN"**, press [MENU/OK].
3 If the PIN is already changed from default setting, enter the current 4 digit PIN, press [MENU/OK].
4 Enter a new 4 digit PIN, press [MENU/OK].
5 Re-enter the new PIN.
6 [MENU/OK] to confirm or [C] to return to the previous menu.

IMPORTANT

If the PIN code is changed, please keep a record of the new number.

Registering a handset

Note:
Handset batteries must be fully charged before registration. Hold the handset close to the base during the registration process.
Handsets that were supplied with the base are already pre-registered.

On the base:

1 Press and hold [📡] for 5 seconds. The base will remain in registration mode for 90 seconds.

On the handset:

2 If the handset is not register to a base, press [MENU/OK] and then enter the 4 digit PIN code (default = 0000), press [MENU/OK].

3 If the handset is already register to a base, press [MENU/OK], → [▼] **"ADVANCED SET"**, press [MENU/OK].

4 [▼] **"REGISTER"**, press [MENU/OK].

5 Enter the 4 digit PIN code (default = 0000), press [MENU/OK].

A beep will be heard if the registration is successful. The handset is automatically assigned an available handset number. Use this number when making internal calls.

Note:
If registration is not successful the first time, please repeat the process again in case the base registration period ran out of time. If the base is not found after a few seconds, the handset returns to standby. Try registering again.

De-register a handset

Available for: KX-TGB112

Use one handset to de-register another. The handset being used cannot de-register itself.

1 [MENU/OK], → [▼] **"ADVANCED SET"**, press [MENU/OK].

2 [▼] **"UNREGISTER"**, press [MENU/OK].

3 Enter the 4 digit PIN code (default = 0000), press [MENU/OK].

4 [▼] to select the handset that needs to be de-registered. A confirmation beep will be heard and the display will return to the previous menu.

Restore default settings

The phone can be restored to its default (original) settings. All the handsets that are registered to the base will be retained.

IMPORTANT
Resetting the phone to its default settings will delete all entries in the Calls list. Current handset and base settings will also be reset. Entries stored in the phonebook are retained.

1 [MENU/OK], → [▼] **"ADVANCED SET"**, press [MENU/OK].

2 [▼] **"RESET"**, press [MENU/OK].

3 The display shows **"RESET ?"**.

4 [MENU/OK] to confirm or [C] to return to the previous menu. The phone will restart automatically.

Note:

Once reset the handset will prompt you to reset the date and time, see page 22.

Default settings by reset

Key tone	ON
Auto answer	OFF
Ringer melody	5
Ringer volume	5
Receiver volume	3
Language	ENGLISH
Phonebook	Unchanged
Calls list	Empty
Redial list	Empty
PIN code	0000
Eco mode	OFF
Zero Emit	OFF
Handset name	HANDSET
Auto Prefix	EMPTY
Recall Time	MEDIUM

Voicemail

Voicemail is an automatic answering service offered by your service provider/telephone company. After you subscribe to the service, your service provider/telephone company's voicemail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/telephone company, not your telephone. When you have new messages is displayed on the handset if message service indication is available. Please contact your service provider/telephone company for details of this service.

Important:
If still remains on the display even after you have listened to new messages turn it off by pressing and holding [5] while viewing all voicemail entries of Caller List.

Troubleshooting

No dial tone

- Use only the telephone line cord supplied.
- Check that the telephone line cord is connected properly.
- Check that the mains power is connected properly.

No display

- Check that the batteries are inserted correctly and fully charged. Use only approved rechargeable batteries supplied.
- Check that the handset is switched on. Press and hold [ ].
- Reset the unit by removing the batteries and disconnecting the mains power. Wait for around 15 seconds before connecting it again. Allow up to one minute for the handset and base to synchronize.

"BUSY" is displayed

- Another handset is in use. Wait and try again later.

icon flashes

- Handset is out of range. Move closer to the base.
- Make sure that the handset is registered to the base, see page 25.
- Check that the mains power is connected properly and switched on.

Keypad does not seem to work

- Check that the keypad lock is not on, see page 17.

icon is not scrolling during charge

- Adjust the handset slightly on the base.
- Clean the charging contacts with a cloth moistened with alcohol.
- Check that the mains power is connected properly and switched on.
- The battery is full. When the handset is fully charged, icon will appear steadily on the display.

No Caller Display

- Check the subscription with the network operator, see page 20.
- The caller may have withheld their number.
- The record cannot be found in the phonebook. Check that the correct name/number is stored in the phonebook, with the full area code.

I have forgotten my PIN!

- Restore the phone to its default settings, see page 25.

Cannot register a handset to the base

- Check that correct PIN code (default = 0000) has been entered.
- Check that the handset and base are at least one metre away from other electrical equipment to avoid interference when registering.

Handset does not ring

- The handset ringer volume may be set to Off, see page 22.

Noise interference on my phone or on other electrical equipment nearby

- Place the phone at least one metre away from electrical appliances or any metal obstructions to avoid any risk of interference.

Index

A Alarm: 22
Answering calls: 15
Auto answer: 23
Auto Prefix: 24
B Base unit controls: 13
Battery: 3, 5
Battery charging: 10
Battery installation: 9, 10
Battery level: 10
Battery performance: 11
C Caller ID and Calls list: 20
Conference call: 16
Connections
Base unit: 9
Charger: 9
Note: 10
D Date and time: 11, 22
Default settings: 26
Display icons: 13
E Eco mode: 23
H Handset
Controls: 12
Locator: 17
Name: 23
Ringer volume: 22
I Intercom: 16
K Keypad lock: 17
Key tones: 23
L Language: 23
M Making calls: 15
Menu Map: 14
Mute: 15
P Pause: 15
Phonebook: 18
PIN code: 24
Power failure: 10
Q Quickdial number: 19
R Recall: 15, 24
Receiver volume: 15
Redial
Copy a Redial list number: 17
Erasing a redial number: 17
Redial list button: 13
Store redial number to the phonebook: 17
Registering a handset: 25
Restore default settings: 25
Ringer melody: 22
Ringer volume: 15, 22
S Specifications: 8
T Transferring calls: 16
Troubleshooting: 27
V Voicemail: 27
Z Zero Emit: 23

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