EX22480 Cover

Precautions of Use

The quality of communication depends on the location and environment of the base and the handset. The **22480** must be kept away from sources of excessive heat (radiators, direct sunlight, etc.) and protected against vibrations and dust. Never allow your telephone to come into contact with water or other liquids or with aerosols. To reduce the risk of interference and optimize reception, take particular care to keep it away from the immediate vicinity of windows, large metal objects, reinforced concrete, televisions, music centre, halogen lamps or heating devices, fluorescent lighting, burglar alarms, microwave ovens, computers, etc.

To clean the **22480**, use a lightly moistened antistatic cloth

Information for DECT product:
The **22480** telephone is compliant with the DECT^{TM}* standard. It is designed to transmit and receive telephone calls and be connected to the public telephone **"**Country**"** network.

*DECT is a trademark registered by ETSI.

IMPORTANT SAFETY INSTRUCTIONS

BEFORE USING YOUR TELEPHONE EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND INJURY TO PERSONS, INCLUDING THE FOLLOWING.
1.   Read and understand all instructions.
2.   Follow all warnings and instructions marked on the product.
3.   Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a

damp cloth for cleaning.

4. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

5. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.

6. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.

8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be damaged by person walking on it.

9. Do not overload wall outlet extension cords, as this can result in the risk of fire or electric shock.

10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on this product.

11. To reduce the risk of electric shock, do not disassemble this product. Instead, when some repair work is required, take the unit to a qualified technician. Opening or

removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.

12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

When the power supply cord or plug is damaged or frayed.

If liquid has been spilled into the product.

If the product has been exposed to rain or water.

If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

If the product has been dropped or cabinet has be damaged.

If the product exhibits a distinct change in performance.

13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning.

Do not use the telephone to report a gas leak in the vicinity of the leak.

Safety

In the event of danger, the mains adapter acts as 230V power isolating device. It should therefore, as a precaution, be installed close to the appliance and be easily accessible.

If the mains adapter fails, it must be replaced by an identical model.

If not connected to the mains power or if there is a mains power failure, installations with cordless handsets will no longer work. You will then be unable to make or receive calls in the event of an emergency. This is why we recommend that you also have a conventional telephone as a backup. The appliance is designed for connection to an analogue telephone line class TRT3 (telecommunications network voltage).

! Do not use your telephone to notify a gas leak when you are in the vicinity of the leak.

It is recommended that you avoid using this device during electrical storms.

WARNING:
TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PROCUCT TO RAIN OR MOISTURE.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
THE LIGHTING FLASH AND ARROW HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSINDE THE PRODUCT.	**CAUTION**: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THE EXCLAMATION WITHIN THE TRIANGLE IS WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.
SEE MARKING ON BOTTOM / BACK OF PRODUCT		

Battery Safety Precautions

- Do not burn, disassemble, mutilate, or puncture. Like other batteries of this type, toxic materials could be released which can cause injury.
- To reduce the risk of fire or personal injury, use only the battery listed in User's Guide.
- Keep batteries out of children.
- Remove batteries if storing over 30 days.
- Do Not Use Alkaline or Non Rechargeable Batteries

⚠ CAUTION:
Danger of explosion if battery is incorrectly replaced. Replace only with GP battery GP60AAAHC – Ni-MH 1.2V 600mAh or SANIK battery SN-AAA60HJ rechargeable battery or equivalent. Only use rechargeable batteries with exactly the same specifications as those supplied with the product. Using non-rechargeable or non-conforming batteries can damage the product. The batteries could split or leak if incorrectly inserted, opened or exposed to heat. Never dispose of batteries in a fire: the cell could explode. Check with local code for possible special disposal instruction.

Note: To ensure the battery charging properly, clean the charging contacts on the handset and charger with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.

Installation

Packaging Contents

Model: 22480	Solo pack	Duo pack*

Base stations	1	1
Handsets	1	2
Power plugs	2	3
Telephone line	1	1
Batteries type AAA, 1.2V, 600mAh	2	4
Charging station	1	2
Operating instructions	1+optional	1+optional

Please check the contents of the package carefully. If anything is missing or shows signs of transport damage, do NOT put the telephone into service! In such a case, contact either your sales outlet with the purchase receipt.

Connecting the Base Station and Power Plug

Connecting the plugs to the corresponding sockets in the base station (they can not be connected incorrectly because the sockets and plugs are designed prevent reverse poling). Plug the telephone line in the telephone connection socket. Insert the power plug at the other end in the power outlet. The base station in now ready to operate.
Only use the connection cable supplied.

AC power outlet   Phone jack
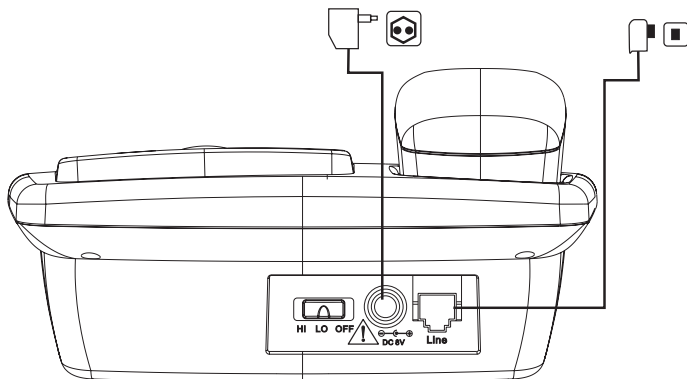
Corded unit rear side view

⚠ CAUTION:
Plug the adapter to the socket outlet that near the equipment and shall be easily accessible. Use only the **Thomson Telecom** power supply that came with this unit. Using other power supplies may damage the unit.

Connecting the charging station

Insert the power plug in the socket on the rear side of the charging station. Insert the power plug at the other end in the power outlet. The charging station is now ready to operate.

AC power outlet

Getting Started

- Install and Charge the Batteries
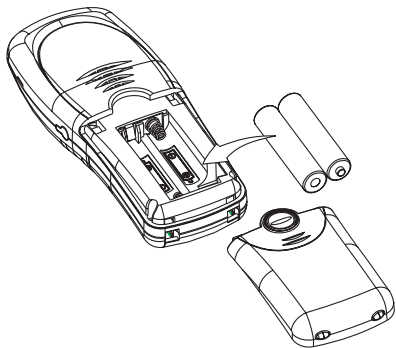
Insert two pieces AAA batteries in the compartment, ensuring correct polarity and close the compartment.

- Place the handset in the remote charge unit to charge for 14 hours prior for first use. If you don't properly charge the phone, battery performance will be compromised.

Warning: **The handset does not work and damaged if the wrong batteries are inserted.**

If batteries are empty, handset LCD will not has any display and the handset will not response to any key. Handset is then required to put back on Base Station / Charger cradle to charge. Handset cannot be used until handset name and aerial icon appear. If handset does not charged full before use, handset may emit battery low alert tone and battery level indicator shows empty

Features

This cordless telephone is equipped with the following features:

- Digital cordless telephone complying to DECT standards

- Operation instruction in 10 languages
- Teleconference
- Call forwarding
- Internal, free communication between handsets
- Prefix dialing
- Automatic call answering on/off
- Call log function with caller list for 20 numbers or names (network dependent)
- DOT MATRIX LCD display
  (1-line icon + 1-line 12 dot matrix characters)
- Phone book memory with name and call number: 30 memories in handset, 10 memories in base
- Extended redialing for 5 call numbers
- Microphone muting function
- Acoustic battery and range warning signals
- Key lock
- Key tone on/off
- 10 incoming call ringing melodies
- Ringing volume control (5 levels and silent)
- DTMF/Pulse dialing
- Operation of up to 4 handsets
- Paging function from base station to handset
- Programmable number barring
- Up to 100 hours standby
- Up to 10 hours continuous call time
- Operation with 2 standard AAA batteries (Ni-MH)
- Adjustable flash time

*DECT = Digital Enhanced Cordless Telecommunications

Menu Structure (Handset)

CALL LOG

| PHONE BOOK | NEW ENTRY | ENTER NUMBER | ENTER NAME | NORMAL RING |

		LIST ENTRY		VIP RING 1-10
		EDIT ENTRY		
		DELETE		
		DELETE ALL	CONFIRM?	

			VOLUME	[- - - -]
HANDSET		RINGER	EXT RING	MELODY 1-10
			INT RING	MELODY 1-10
	HS NAME			
	PREFIX MEM			
	KEY TONE	ON/OFF		
	AUTO ANS	ON/OFF		
	CALL TIMER	ON/OFF		
	DEFAULT	CONFIRM?		
	REGISTER	SEARCHING		

BASE	BARRING	ENTER PIN	HANDSET 1,....	DISABLE
				EXTERNAL
				NUMBER ENTER NO
	CHANGE PIN	ENTER PIN	NEW PIN	REPEAT
	DEFAULT	ENTER PIN	CONFIRM?	
	DEREGISTER	ENTER PIN	HANDSET1,....	CONFIRM?

LANGUAGE	ENGLISH
	DEUTSCH
	FRANCAIS
	CESKY
	TURKCE
	POLSKI
	E ΛΛHNIKA
	PYCCK ИЙ
	БЪЛГAPCKИ
	MAGYAR

Corded Base Station Set Up
TONE/PULSE Dialing
A Tone / Pulse switch is located at the base bottom. Default is Tone dialing

Flash Time Setting
Flash time 600/300/100ms can be selected by a switch located at the base bottom.

Note: If you don't know which setting is correct, check with your phone company.

Ringer Switch Setting
Ringer volume level HI /LO/OFF (HIGH/LOW/OFF) can be selected by a switch at the rear side of bass station. Default is HI.
Note: Handset ringer volume level setting refer to section of Handset Settings – Changing the Ringing Volume.

Handset and Base Layouts
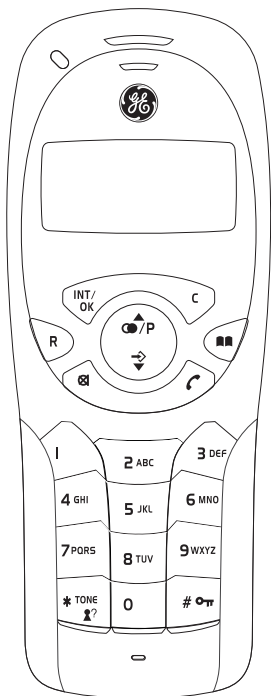
✈/ ▼	Menu / down key
🔈?/ *	CID key / Asterisk key
INT / OK	INT / OK key
C	Cancel key
🔇	Mute key
◐/ P /▲	Redial / Pause key /Up key

📞	External call key.
📖	Memory key
R	Flash key
# / 🔒	Hash key / lock key

Handset LCD Display
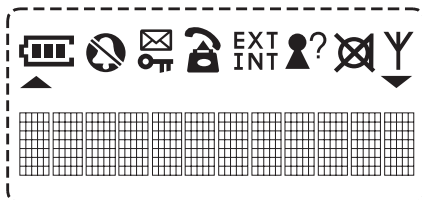
🔋	Battery icon
📞	Phone icon
EXT	External call icon
INT	Internal call icon
👤?	CLI icon
🚫	No ring icon
🔇	Mute icon
🔒	Key lock icon
Ψ	Aerial icon
▲ / ▼	Up / Down arrow
📧	Voice mail waiting indicator (VMWI icon)

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Key Description

Key symbol	Usage
1, 2ABC, 3DEF, 4GHI, 5JKL, 6MNO, 7PQRS, 8TUV, 9WXYZ, *, 0,#	For digit entry for dialing and memory

VOL/▲ / ▼	Volume control / select AM or PM in Time setting menu
M1	Direct memory access
MEM	For programming phone memory
•))	Toggle speakerphone On/Off
LNR/PAUSE	Last redial number or to enter a pause digit
REDIAL ►	Retrieve the Redial number list / Browse memory / For selection in MENU
CLEAR	Delete a digit in pre-dialing / Delete a record when reviewing memory
MUTE	Toggle mute function during conversation
FLASH/EXIT	Access line transfer offered by PABX or call waiting offered by telephone company / to exit the programming operation.
SET TIME	Set real time clock
◄ CID	Browse memory/ For selection in MENU / Access call log
MENU	Access the Menu
SELECT	Confirm the selection, like a "OK" key
PAGE/ **CALL_TRANSFER**	Page cordless handset /Transfer external line to cordless handset

Base Switch Description

There are three switches and power down detect.

Switches	Selection	Comment
Flash	100 / 300 / 600 ms	Select the flash signal time duration
Ringer Volume	OFF / Low / High	Control the ringer level in the base.
Dial Mode	Tone / Pulse	Select the dialing mode

Base LED Description

There are following LED for corded base.

LED	Functions
Speakerphone	If speakerphone is on, this LED is on.
In-Use	Light up in conversation. Blink in ringing or after receiving Message Waiting Call in standby mode

Base LCD Description

This is a two line LCD.

First lower line: 12 dot-matrix characters.

Second upper line: 8 digits for date time display and 2 digits for number of calls with some icons.

Symbol	Comment
☎	It turns on when the unit is in off-hooked condition
✖	It turns on when the mute function is enabled in off-hooked condition
✉	It turns on when message waiting (VMWI) is on
M1	It turns on when direct memory M1 is being accessed
MEM	It turns on when indirect memory is being accessed
TIME	It is 4 7-segment digits to indicate the time – time duration or real time
COLON	• It blinks every seconds in standby during real time update. • It turns on when TIME digits are displayed in Call log.
AM / PM	It turns on for AM / PM time
OUT	It turns on when redial outgoing memory is being accessed
CID	It turns on when CID memory is being accessed
DATE	It is 4 x 7-segment digits to indicate the date.
MINUS	It turns on when DATE digits are displayed

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NEW	● It turns on when there is new Caller ID in the standby. ● It turns on when the Caller ID record is a new record during CID call log list access
REP	● It turns on when the Caller ID record is a repeated record during CID call log list access
CALL	● It indicates the number of new call in the CID list in standby ● It indicates the Caller ID record number in the CID list during CID call log list access
UP / DOWN	It turns on to indicate that the user can press UP/DOWN key to select other selection items.

Using the Handset Telephone

Using the telephone

● When the handset is inserted in the station charging unit, it starts to charge automatically. To optimize the battery performance, charge the handset battery for 14 hours before firstly use.

Note: This phone defaults to Tone Dialing. To change Pulse Dialing, see chapter "Base Station Settings – Changing the Dialing Mode". If you don't know which type of service you have, please check with the local telephone company.

Selecting the Language

Ten different languages are available for selection for each handset.

● In standby mode, press ▼ button and "5" key. Current language is displayed.
● Press ▼ or ▲ to select the desired language.
● Press "INT/OK" key to confirm the selection or press C to abort.

Note: The following languages are available:

ENGLISH; GERMAN; FRENCH; CZECH; TURKISH; POLISH; GREEK; RUSSIAN; BULGARIAN; HUNGARIAN

Making Internal Calls

IMPORTANT: Internal calls can be made only if more than one handset is registered on the base station.

- Press "INT/OK" key during standby mode.
- Press a digit to specify which handset (1~4) to call to.
- The other handset will ring with the 'INT' icon flashing.
- When other handset answered, the internal call is established.
- Press 📞 key to end the call.

Note: If an external call is received during an internal call, short acoustic signals are issued (call waiting).

Making External Calls

Direct dialling

- Press 📞 key and wait for a dialing tone.
- Dial the telephone number.
- Press 📞 key to end the call.

On hook dialing

- Dial the telephone number (delete incorrect entries by pressing "C" key).
- Press 📞 key to carry out the conversation.
- Press 📞 key to end the call.

VMWI/LED

The VMWI/LED in the handset will flash when there are new voice message calls received. Icon ✉ turns on and the LCD display "Message" in the call log memory.

This service need subscription to local operator and it supports the FSK CLI system only.

Taking Calls

When an external call is received, all registered handsets and the base

station ring. EXT flashes in the handset display and, if subscribed, the telephone number of the caller appears (network depended). If the caller has been stored in your phone book, the name appears. The incoming call VMWI/LED on the base station flashes. In the case of an internal call or on pressing the paging key on the base station, INT flashes in the handset display.

Handset is in the charge unit

- Take the handset from the base station; a connection is automatically established (when the AUTO ANS function is active). Otherwise, press 📞 key.
- Press 📞 key to end the call.

Handset is not in the base station

- Press 📞 key to make a call.
- Press 📞 key to end the call.

Redialling

The phone stores the last five numbers dialled in the redial memory

- In standby mode, press ▲ key; the last call number dialed is displayed. Press ▲ or ▼ key to search the required number in the redial memory list.
- Press 📞 key to carry out the conversation.
- Press 📞 key to end the call.

Note: 1. If the number is longer than 12 digits, only the last 12 digits will be shown.

2. Name is displayed instead if number is matched with phone

Dialling from the Phone Book

- Press 📖 key; the first entry in the phone book appears. (or "EMPTY" if no entry)

- Press ▲ or ▼ key to select the required subscriber from the phone book. Alternatively, enter the first letter of the name required.
- Press 📞 key. The number is dialed.

Note: How to store entries in the phone book is explained in the Chapter "Phone Book".

Call Log Operations

IMPORTANT: To use the "Call Log" function, you must subscribe to your network operator's Caller Line Identification (CLI) service.

Browse, Call Back, Delete, Store

If calls have been received in your absence, these are stored in the CALL LOG memory when your telephone has subscribed this CLI service. The number of calls appears in the display. Incoming calls are also indicated in the display for 11 seconds during a call.

- Press ▼ key as often as necessary until CALL LOG menu appears. Then press "INT/OK" key. Alternatively, press and hold "*" key 2 seconds.
- Browse: Press ▲ or ▼ key to browse through the CALL LOG memory
- if number exceeds 12 digits, ▼ symbol will show in the twelve digit. Press ▼ key to view the rest of number

Note: ▼ icon ON indicate the record is the most recent .

Both ▲ and ▼ icon ON indicate the record is in between

Or

- Call Back: press 📞 key to call back.
- Or
- Delete: Press and hold "C" key two seconds to delete one or all the entries. Selection is made by pressing ▼ or ▲ key.
- Or

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- Store: Press 📖 key, then press "INT/OK" key to start the NAME entry by keypad. Press "INT/OK" key to confirm. Select the ring tone with ▲ or ▼ key. Press "INT/OK" key when finish.

Note: 1. The CALL LOG icon and display indicator disappear only after browsing through all the entries.

2. It is only possible to enter subscribers in the phone book who has not stored before.

Edit Call Log memory

When browsing Call Log memory, Caller Line Identification (CLI) number can be edited before dial back. Amended CLI number will not overwrite the stored Call Log memory.

- Press "0-9" to add digits in front of CLI number.
- Press "#" to remove entry or leftmost digit. (if number > 6 digits)
- Press ▲ or ▼ key can recover the original CLI number.   .
- Example:

CLI number is 12345678

Press digit 1, display is 1 12345678

Press digit 2, display is 12 12345678

Press #,   display is   12345678

Press digit 3, display is 3 12345678

Press #,   display is   12345678

Press #,   display is   2345678

Press #,   display is   345678

(# key is no function if number is 6 or less digit)

If press ▲ or ▼ key, display is 12345678

Muting the Microphone

- Press 🔇 key can switch the microphone on or off during a call

Holding Calls / Forwarding Calls

If the telephone is connected to a PABX system, it is possible to put calls on hold and call other extension lines or to forward calls.

- Press "R" key to put the call on hold and dial the extension number (e.g. 23).
- Press "R" key once more can re-take the call again or press 📞 key to forward the call

Note: If several handsets are registered on the base station and a call should be put on hold or forwarded, press "INT/OK" key instead of "R".

Note: The above information can vary according to the PABX system used. Therefore, refer to the relevant information of the PABX network.

Teleconference (Handset to Handset)

After have received an external call, it is possible to include a second handset in the conversation (three way conference).

- Press "INT/OK" key and enter the number of the corresponding handset (e.g. 2) which will join the teleconference.
- The external caller is kept on hold. As soon as the other handset takes the call, example handset 1 can **intercom** with handset 2.
- Only the initiating handset can start a 3 way conference, press and hold "#" key 2 seconds.
- By pressing 📞 key, any of the handsets quit from the teleconference and the other handset continues with the external call.

Note: There is no intercom between cordless handset and corded base station.

Changing the Receiver Volume

- Press ▲ or ▼ key to change the receiver volume during a call.

Paging the Handset

If a handset has been misplaced, it is possible to call all the handsets.

- Pressing the page key or any key in the handset can stop the page tone.

Entering a Dialling Pause (P)

If the telephone is connected to a PABX system, it may be necessary to insert a dialing pause. To do this, press ▲ key after entering the relevant digit in the pre-dial buffer, e.g. 0, for an external line (0P….). A "P" appears in the display indicating a pause.

Switching the Key Lock On/Off

Incoming calls can still be received when key locked.

- Press and hold "#" key for 2 seconds to activate or deactivate the key lock. The 'key' icon turns ON.

Phone Book

The telephone can store up to 30 entries in the phone book with name and call number. When the function is supported by the telephone provider service and the caller, the handset displays the name of the caller (when stored in the phone book).

Store Entries

- Press ▼ key until the PHONE BOOK menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select "NEW ENTRY" and press "INT/OK" key.
- Enter number (max. 25 digits) and press "INT/OK" key when finished. (delete incorrect entries by pressing "C" key).
- Enter name (max. 10 characters) and press "INT/OK" key when finished.
- Select the ringing tone with ▲ or ▼ key and press "INT/OK" key when finished.

- If a VIP ring is assigned for that entry, a digit '#' will be shown in front of the name during the incoming call or browsing
- "MEM FULL" appear stand for memory full.

Or Store the number from the Pre-dialling mode

- To store a phone number from the Pre-dialing mode (when a phone number is entered during Standby mode before pressing the 📞 key) to the phonebook, first press ▼ key, follow by press "INT /OK". Then, the user will be prompted to enter the name. The Entry procedure will be same as above.

List Entries / Edit Entries / Delete Entries

- Press ▼ key until the PHONE BOOK menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select submenu and press "INT/OK" key.
- List Entry: Press ▲ or ▼ key to scroll.

Or

- Edit Entry: Press ▲ or ▼ key to scroll. Press "INT/OK" key to start Number edition and press "INT/OK" key again to start Name edition. Press "INT/OK" key to confirm. Select the ring tone with ▲ or ▼ key and press "INT/OK" key.

Or

- Delete: Press ▲ or ▼ key to scroll, press "INT/OK" key.

Or

- Delete All: Press "INT/OK" key 2 times or press "C" to cancel.

Note: Press "C" key to delete digit. Press and hold "C" key to EXIT.

Handset Settings

Changing the Ringing Volume

- Press ▼ key until the HANDSET menu appears. Press "INT/OK" key twice.

- Press ▲ or ▼ key to select the required volume (from 0 to 5 levels). Press "INT/OK" key.
- **Note:** The ringer volume can be heard at different volumes. If the ringer symbol appears as non dotted line, the ringer volume will be switched to OFF.

Changing the Ringer Melody (external / internal)

- Press ▼ key until the HANDSET menu appears. Press "INT/OK" key twice.
- Use ▲ or ▼ key to select the required submenu (EXT Ring or INT Ring) and press "INT/OK" key.
- Use ▼ or ▲ to select the required melody (1-10). Press "INT/OK" key to confirm.

Entering/Changing Handset Name

It is possible to assign a name to each handset. This name is then displayed when the phone is in standby mode.

- Press ▼ key until the HANDSET menu appears. Press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'HS Name'. Press "INT/OK" key.
- Enter/change the name of the handset (e.g. MOBIL 1). Press "INT/OK" key to confirm

Switching the Key Tone On/Off

- Press ▼ key as often as necessary until the HANDSET menu appears. Press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'Key Tone'. Press "INT/OK" key.
- Press ▲ or ▼ key to select the setting 'On/Off'. Press "INT/OK" key to confirm.

Saving a Prefix

It is possible to save prefix numbers in the handset. This number is then recalled after pressing and hold "0" key for two seconds.

- Press ▼ key as often as necessary until the HANDSET menu appears. Press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'Prefix mem' and press "INT/OK" key.
- Enter prefix number (e.g. access code of the subscriber you call most frequently).
- Press "INT/OK" key to confirm.

Activating/Deactivating Automatic Call Answering

The automatic call answering function enables the incoming call to be taken immediately when the handset is removed from the base station.

- Press ▼ key as often as necessary until the HANDSET menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'Auto Ans' and press "INT/OK" key.
- Use ▲ or ▼ key to switch automatic call answering on or off and press "INT/OK" key to confirm the input.
- Press "INT/OK" key to confirm.

Activating/Deactivating Call Timer

It is possible to display the call duration of a call on the handset. The timer starts when the conversation begins.

- Press ▼ key as often as necessary until the HANDSET menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'Call Timer' and press "INT/OK" key.
- Use ▲ or ▼ key to switch the call timer on or off and press "INT/OK" key to confirm.

Default Settings

If selected, the handset settings which you have changed are returned to their default values. The phone book entries are retained.

- Press ▼ key until the HANDSET menu appears. Press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'Default' and press "INT/OK" key to confirm.

Note: The display will switch back to standby mode.

Key assignment Overview

1	SPACE, 1	7	P, Q, R, S, 7
2	A, B, C, 2	8	T, U, V, 8
3	D, E, F, 3	9	W, X, Y, Z, 9
4	G, H, I, 4	0	+, -, 0
5	J, K, L, 5	*	[,], *
6	M, N, O, 6	#	?, :, #

Registering Additional Handsets

Further handset of the same model can be registered on one base station.

- Press ▼ key until the HANDSET menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu "REGISTER" and press "INT/OK" key.
- Handset display shows "SEARCHING".
- Press and hold "page" key on the base station more than 4 seconds until "REGISTER" is displayed.
- After a certain period of time (approx.10 seconds), enter the PIN (default setting = 0000) and press "INT/OK" key.

Note: **After the connection has been established, the name and number of the handset (the next available handset number should be 2) appear in the display.**

The base will be ready for registration for 5 minutes when the page

key is pressed and hold for more than 4 seconds. After selecting "REGISTER", the handset starts searching for a base station which is available for registration. The "Aerial" icon starts flashing.

If a base is found, user will be asked to enter the personal identification number PIN for that base. If the input PIN is correct, the registration procedure will be completed with a confirmation tone

Base Station Settings (using the Handset)

Barring Calls

The following options are available for selection for barring calls:

Option	Description
DISABLE	All telephone calls are possible.
EXTERNAL	All external calls are barred.
NUMBER	Phone number starting with that number will be barred, e.g. 0190

- Press ▼ key until the BASE menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu BARRING and press "INT/OK" key.
- Enter the PIN (factory setting is 0000) and press "INT/OK" key.
- Use ▲ or ▼ key to select the handset which should be barred and press "INT/OK" key.
- Use ▲ or ▼ key to select DISABLE/EXTERNAL/ NUMBER and press "INT/OK" key.
- Enter a number with maximum 5 digits. Then press "INT/OK".

Changing the PIN (personal identification number)

- Press ▼ key until the BASE menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'Change PIN' and press "INT/OK" key.

- Enter old PIN (0000) and press "INT/OK" key.
- Enter new PIN (e.g. 1111) and press "INT/OK" key.
- Enter new PIN again (e.g. 1111) and press "INT/OK" key to confirm.

Note: maximum of 8 digits can be entered.

Default Settings

- Press ▼ key until the BASE menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'Default' and press "INT/OK" key.
- Enter the PIN (factory setting = 0000) and press "INT/OK" key.
- Press "INT/OK" key to confirm.

Deregister HS

If several handsets are registered on one base station, they can deregister each other mutually. The last handset can not be deregistered.

- Press ▼ key until the BASE menu appears and press "INT/OK" key.
- Press ▲ or ▼ key to select the submenu 'DEREGISTER' and press "INT/OK" key.
- Enter the PIN (factory setting = 0000) and press "INT/OK" key.
- If necessary, Use ▲ or ▼ key to select the handset and press "INT/OK" key.
- Press "INT/OK" key to confirm.

Corded Base

Power on Operation

- The corded base is powered up by plugging the AC adapter to the wall outlet / connected to Telephone network. Most of the functions do not work properly when there is no AC power. Only the corded phone can make and receive call (speaker phone, caller ID will not work properly).

Making External Call

Normal Dialing

- Pick up the corded handset and dial the telephone number.
- Place the corded handset on the hook to terminate the call.

Pre-dialing

- Dial the telephone number (using CLEAR for correction).
- Pick up the corded handset or press •)) key to seize the line.

Note: Insert a Pause time, press PAUSE key. A letter 'P' is showed

Pre-dial or Redial from Redial / Direct Memory / Indirect Memory / CID Memory

During standby mode

- Press REDIAL/ M1/ MEM /CID key.
- Press ◄CID or REDIAL► key to browse the phone number.
- Pick up the corded handset or press •)) key to seize the line.

Temp Tone Dial

- Press "*" key to switch the Pulse dialing to Tone dialing mode during a call.

Receiving External Call

- Pick up the corded handset or press the •)) key to seize the line

Mute Conversation

- Press ▨ key to switch microphone On or Off during a call.

Speakerphone

- Press •)) key to activate or deactivate the speakerphone.

Changing Receiving Volume

- Press ▲ or ▼ key to adjust the receiver or speaker volume during a conversation.

Redial Memory Access

- Press REDIAL key to access the redial memory.

Note: If there is no record in the memory, [**EMPTY**] will display.

- Press ◄CID or REDIAL► key to view latest/earlier record.
- Or press EXIT key to exit.
- Or press CLEAR key to delete the record.
- Or press and hold CLEAR key 2 seconds to delete all records. .
  "ERASE ALL" is shown. Press CLEAR or SELECT key again
  to confirm
- Or press •)) key or pick up the corded handset to dial the
  number.

Direct Memory Access (M1)

Storage

- In standby mode, key in the digits (0 to 9 or Pause) or
  reviewing the Redial memory/ Indirect memory/ CID memory
- Press MEM and then press M1.

Note: MI memory cannot store Name but Number only.

View, Clear and Dial

- Press M1 key to access M1 memory
- Refer the operation procedures of **Redial Memory Access**.

Indirect Memory Access (Memory 1 to 10)

Storage

- Press MENU key, press ◄ or ► until PHONE BOOK appears.
  Then press SELECT key.
  Press ◄ or ► to choose NEW ENTRY. Press SELECT key.
  User is prompted to enter Number. Press SELECT to confirm.
  User is prompted to enter Name. Press SELECT 2 times to
  complete.

Or

- In standby mode, key in the digits (0 to 9 or Pause)

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Or
- Reviewing the Redial memory/ Indirect memory/ CID memory when NUMBER is displayed
- Press MEM key, LCD show "ENTER NAME".
- Enter Name characters. (max. 10)
    - delete entry by pressing CLEAR key
- Press SELECT 2 times to confirm
- Or press EXIT key to exit.

Key assignment overview

Key	Character
1	Space 1
2	A B C 2
3	D E F 3
4	G H I 4
5	J K L 5
6	M N O 6
7	P Q R S 7
8	T U V 8
9	W X Y Z 9
0	+ - 0
*	[ ] *
#	? : #

View, Clear and Dial

- Press MEM key.

Note: If there is no record in the memory, [EMPTY] will display.

- Press ◄CID or REDIAL► key to scroll
    - if NAME appears, press SELECT key to look over NUMBER
- Or press EXIT key to exit
- Or press CLEAR key to delete the record.
- Or press •)) key or pick up the corded handset to dial the number.

- Or press and hold CLEAR key 2 seconds to delete Memory l to 10 (not apply to M1 memory). "ERASE ALL" is shown. Press CLEAR or SELECT key again to confirm

List Entry/ Edit Entry/ Delete Entry

- Press MENU key, press ◄ or ► until PHONE BOOK appears. Then press SELECT key.

List Entry
- Press ◄ or ► key to choose NEW ENTRY. Press SELECT key
- Press ◄ or ► key to scroll

Edit Entry
- Press ◄ or ► key to choose EDIT ENTRY. Press SELECT key
- Press ◄ or ► key to scroll
- Press SELECT key to start NUMBER edition
  - delete digit by pressing CLEAR key or press ◄ or ► key to move the cursor to the right hand side of digit you want to edit.
- Press SELECT key again to start NAME edition
  - delete character by pressing CLEAR key or press ◄ or ► key to move the cursor to the right hand side of character you want to edit
- Press SELECT key two times to finish

DELETE
- Press ◄ or ► key to choose DELETE. Press SELECT key
- Press ◄ or ► key to scroll
- Press SELECT key to delete the record.

DELETE ALL
- Press ◄ or ► key to choose DELETE ALL. Press SELECT key
- Press SELECT key again

Note: Press EXIT key to exit

Caller ID Memory Access

- Press MENU key, press ◄ or ► key until CALL LOG appears. Then press SELECT key.

Or

- Press CID key.

Note: If there is no record in the memory, "NO CALL" will display.

- Press ◄ or ► key to view latest/earlier record.
- NEW icon ON indicate the record is a new.
  NEW icon Off indicate the record is a old.
- Or press EXIT key to exit
- Or press CLEAR key to delete the record.
- Or press and hold CLEAR key 2 seconds to delete all records.
  "ERASE ALL" is shown. Press CLEAR or SELECT key again
  to confirm
- Or press •)) key or pick up the corded handset to dial the
  number.

Edit Call Log memory

When browsing Call Log memory, Caller Line Identification (CLI)
number can be edited before dial back. Amended CLI number will
not overwrite the stored Call Log memory.

- Press "0-9" to add digits in front of CLI number.
- Press "#" to remove entry or leftmost digit (if number > 6
  digits).
- Press ◄ or ► key can recover the original CLI number.
- Example:

CLI number is 12345678

Press digit 1, display is 1 12345678

Press digit 2, display is 12 12345678

Press #, display is 12345678

Press digit 3, display is 3 12345678

Press #, display is 12345678

Press #, display is 2345678

Press #, display is 345678

(# key is no function if number is 6 or less digit)

If press ◄ or ► key, display is 12345678

Teleconference (Cored base station to Handset)

After have received an external call, it is possible to include a cordless handset in the conversation (three way conference).

- Press "PAGE" key and press [1 or 2 or 3 or 4], the handset number you want to call. The called cordless handset rings and "INT" icon is displayed and blink.
- Press ☎ key on handset, a 3 way conference is established.
- When you hang up the corded base station, external line is then transferred to the cordless handset.

Note:
1. There is no intercom between cordless handset and corded base station.
2. If cordless handset does not answer, press "PAGE" key again can stop paging.
3. With base station in standby mode, if "PAGE" key is pressed over 4 seconds, base station will enter the Registration mode. "PAGE" key does not function, "REGISTER" is displayed and In-use LED blinks. Registration mode EXIT only after 5 minutes or Reset AC power of base station.

Teleconference (Cordless Handset to Corded base station)

After have received an external call, it is possible to include a corded base station in the conversation (three way conference).

- Press "INT" key and press digit "0". The corded base station rings.
- Press base station ⏺⏺ key or pick up the corded handset, a 3 way conference is established.
- When you press ☎ key on the cordless handset, external line is then transferred to the corded base station.

Note: If corded base station does not answer, press "INT" key again can stop paging

Base station MENU

Barring Calls

The following options are available for selection for barring calls:

Option	Description
DISABLE	All telephone calls are possible.
EXTERNAL	All external calls are barred.
NUMBER	Phone number starting with that number will be barred, e.g. 0190

- Press MENU key, press ◄CID or REDIAL► key until SETTINGS appears. Then press SELECT key.
- Press ◄ or ► key to select the submenu BARRING and press SELECT key.
- Use ◄ or ► key to select NUMBER/DISABLE/EXTERNAL and press SELECT key
- Enter a number with maximum 5 digits. Then press SELECT key

Changing the Ringer Melody

- Press MENU key, press ◄ or ► key until SETTINGS appears. Then press SELECT key.
- Press ◄ or ► key to select the submenu RINGER and press SELECT key.
- Press ◄ or ► key to select the required melody (1-10). Press SELECT key to confirm.

Set DATE / TIME

- Press MENU key, press ◄ or ► key until SETTINGS appears. Then press SELECT key.
- Press ◄ or ► key to select the submenu DATE/TIME and press SELECT key.
- Press ◄ or ► key to select the HH:MM digit or (MM-DD or DD-MM) digit to be adjusted
- Key in the value by keypad.

- If Time format is 12 hour format, AM/PM icon can be selected by pressing ▲ or ▼ key.
- Press SELECT key when finish. .

Set DATE FORMAT

- Press MENU key, press ◄ or ► key until SETTINGS appears. Then press SELECT key.
- Press ◄ or ► key to select the submenu DATE FORMAT and press SELECT key.
- Press ◄ or ► key to select DD-MM or MM-DD format
- Press SELECT key to confirm and press EXIT to exit.

Set TIME FORMAT

- Press MENU key, press ◄ or ► key until SETTINGS appears. Then press SELECT key.
- Press ◄ or ► key to select the submenu TIME FORMAT and press SELECT key.
- Press ◄ or ► key to select 12 hour format or 24 hour format
- Press SELECT key to confirm and press EXIT to exit

Default Settings

Default setting of Date and Time format are 24 hour and MM/DD.
Voice mail waiting indicator ✉ icon will reset.
- Press MENU key, press ◄ or ► key until SETTINGS appears. Then press SELECT key.
- Press ◄ or ► key to select the submenu DEFAULT and press SELECT key.
- Press SELECT key again to confirm

Selecting the Language

Ten different languages are available for selection for each handset.
- Press MENU key, press ◄ or ► key until LANGUAGE appears. Then press SELECT key.
- Press ◄ or ► key to select the desired language and press SELECT key.

● Press EXIT to exit.

Note: The following languages are available:

ENGLISH; GERMAN; FRENCH; CZECH; TURKISH; POLISH; GREEK; RUSSIAN; BULGARIAN; HUNGARIAN

Technical Specifications

Handset Operating Time: (average values*)	Approx. 10 hours talk time Approx. 100 hours standby
AC / DC Adapter: (for Base)	VD080040D Input: 230V AC / 50 Hz Output: 8V DC, 400mA Single-phase AC excluding IT installations defined by the EN 60950 standard. Caution: the network voltage is classified as a hazard by the criteria of this standard.
AC / AC Adapter (for Handset charging)	VA070020D Input: 230V AC / 50 Hz Output: 7V AC, 200mA Single-phase AC excluding IT installations defined by the EN 60950 standard. Caution: the network voltage is classified as a hazard by the criteria of this standard.
Telephone connection	Appliance designed for connection to an analogue telephone line class TRT3 (telecommunications network voltage) as defined by the EN 60950 standard.
Rechargeable Battery per handset :	GP60AAAHC, 1.2V / 600mAh / Ni-MH, AAA x 2 or equivalent
Channel Frequency	Channel 9 · 2406.24 MHz

	Channel 8	2410.56 MHz
	Channel 7	2419.20 MHz
	Channel 6	2427.84 MHz
	Channel 5	2436.48 MHz
	Channel 4	2445.12 MHz
	Channel 3	2453.76 MHz
	Channel 2	2462.40 MHz
	Channel 1	2471.04 MHz
	Channel 0	2475.36 MHz
RF Power	Transmitter Output (max): 24.dBm EIRP	

* For guidance only, depends on initial battery charge.

General Product Care

Simply wipe the base station with a damp cloth or an antistatic wipe.
Never use a dry cloth as this can cause static discharge.

Troubleshooting Guide

When you forget base PIN, following the procedure to Reset the units.
ALL MEMORY AND SETTING WILL BE LOST.
- Refer to handset – Call Log Operation procedure, select **DELETE ALL** to delete all Call Log Memories in handset.
- With the base is in Standby mode, key in **10## and press SELECT key, then "RF TEST MODE" is shown
- Key in **80## and press SELECT key, the "INIT BASE RF" is Shown
- Press •)) key or unplug AC power of base station and plug-in again in order to return to Standby mode.
- The unit will return to its default setting a PIN code (0000).
- Handset LCD will display "----"

- Following "Registering Additional Handsets" to register all handsets again.

PROBLEMS	CAUSES	SOLUTIONS
Registration not work.	The battery is not sufficiently charged.	Charge the battery for 14 hours (see Battery Charging).
	Handset and base station were not prepared for registration.	Unplug and then plug in the power adaptor.
No display.	The battery has not been charged.	Charge the battery or replace them (see Battery Charging)
No reactions to keystroke.	The keypad is locked.	Press # key longer than 2 seconds.
No radio connection to the base station: blinking!	The handset is outside the base station range.	Move closer to the base station.
	The handset is not registered.	Register the handset (see Registering Handset).
	The base station does not work.	Unplug and then plug the power adaptor to the power outlet and the other end into the power jack on base bottom.

Environment

Used equipment and used handset batteries must be disposed of in compliance with current environmental protection regulations. You should return them to your reseller or dispose of them at an approved recycling centre.

Do not attempt to open the batteries, as they contain chemical substance. In the event of leakage, avoid contact with the skin, eyes and mouth. In the event of contact, rinse the affected part for several minutes in running water. Clean the product with absorbent paper or a dry cloth and contact your reseller for replacement batteries.

FCC Interference Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; and (2) This device must accept any interference received, including interference that may cause undesired operation.

Privacy of communications may not be ensured when using this phone.

Caution: To maintain the compliance with the FCC's RF exposure guideline, place the base unit at least 20 cm from nearby persons.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.   However, there is no guarantee that interference will not occur in a particular installation.   If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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