



2.4 GHz DIGITAL CORDLESS PHONE



OWNER'S MANUAL

KT2015

SUBSCRIPTION TO CALLER ID SERVICE FROM YOUR LOCAL TELEPHONE COMPANY
IS REQUIRED FOR ALL CALLER ID FEATURES TO OPERATE CORRECTLY

PLEASE READ AND FOLLOW THIS MANUAL BEFORE USING YOUR
TELEPHONE AND KEEP IT FOR FUTURE REFERENCE

IMPORTANT SAFETY INSTRUCTIONS



This symbol is to alert you the important operating or servicing instructions that may appear in your owner's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire or electric shock.

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire or 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 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, or 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 enclosure and the back or bottom are provided for ventilation to prevent overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a 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 abused by persons walking on it.
9. Do not overload wall outlets and 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 enclosure slots as they may touch voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
11. Do not disassemble this product. Take it to a qualified service technician or service center when repair work is required. Opening or removing covers may expose you to voltage 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 to qualified service personnel under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and may require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the enclosure has been damaged.
 - F. If the product exhibits a distinct change in performance.
13. Avoid using a telephone during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of a leak.
15. Never install telephone wiring during a lightning storm.

16. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
17. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
18. Use caution when installing or modifying telephone lines.
19. 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 THIS INSTRUCTIONS

FCC INFORMATION

This equipment complies with Part 68 of the FCC Rules. The label affixed to this equipment contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. We suggest that you review the following information provided by the FCC.

NOTIFICATION TO THE TELEPHONE COMPANY

Notification to the telephone company is no longer required prior connecting the registered equipment. However, upon request from the telephone company the user shall tell the telephone company which line the equipment is connected to as well as the registration number and the ringer equivalence of the registered protective circuitry. In most, but not all areas, the sum of all REN's should be 5.0 or less.

MALFUNCTION OF THE EQUIPMENT

If the device is not operating properly, the user should immediately disconnect it from the telephone line as it may cause harm to the telephone network. In the event service is needed the user should contact:

Service Department
Spectra Merchandising International, Inc.,
Chicago Industry Tech Park
4230 North Normandy Avenue,
Chicago, IL 60634, U.S.A.
Tel: (773) 202-8408 or call toll-free hotline 1-800-777-5331

TELEPHONE CONNECTION REQUIREMENTS

Except for ringers provided by telephone company, all connections to the telephone network except for made through standard plugs telephone company provided jacks, or equivalent, in such a manner as to allow for easy and immediate disconnection of the terminal equipment. Standard jacks should be so arranged that, if the connected plug is withdrawn, no interference to the operation of the equipment at the customer's premises which remains connected to the telephone network shall occur by reason of such withdrawal.

INCIDENCE OF HARM

Should terminal equipment or protective circuitry cause harm to the telephone network, the telephone company shall, where practical, notify the customer that temporary discontinuance of service may be required. However, where prior notices are not practical, the telephone company may temporarily discontinue service if such action is deemed reasonable in the

circumstances. In the case of such temporary discontinuance, the telephone company shall promptly notify the customer who has the right to bring a complaint to the FCC if he feels the disconnection is not warranted.

Interference Information -- USA

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.

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 (that is, the antenna for radio or television that is "receiving" the interference).

Reorient or relocate and increase the separation between the telecommunications equipment and receiving antenna.

Connect the telecommunications equipment into an outlet on a circuit different from that to which the receiving antenna is connected.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions. Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio/TV Interference Problem". This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Please specify stock number 004-000-00345-4 when ordering copies.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

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

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. For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the belt clip supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the

user is encouraged to try to correct the interference by one or more of the following measures:

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

CHANGES IN TELEPHONE COMPANY EQUIPMENT OR FACILITIES

The telephone company may make changes in its communications facilities, equipment, operations or procedures, where such action is reasonably required and proper in its business. Should any such changes render the customer's terminal equipment incompatible with the telephone company facilities, the customer shall be given adequate notice to make modifications to maintain uninterrupted service.

General

The FCC prohibits customer-provided terminal equipment to be connected to party lines or to be used in conjunction with a coin telephone service.

Installation

This device is equipped with a USOC RJ11C standard miniature modular jack and is designed to plug directly into a modular jack.

*****THIS TELEPHONE HAS BEEN CERTIFIED AS HEARING AID COMPATIBLE *****

BATTERY CAUTIONARY INSTRUCTIONS

CAUTION – To Reduce the Risk of Fire or injury to Persons, Read and Follow these instructions.

1. Risk of explosion if battery is replaced by an incorrect type.
2. **Use only the supplied rechargeable battery pack:** LEXEL, LH070-3A44C2BRML1P Ni-MH AAA 700mAh 2.4V Battery Pack.
3. Do not dispose of the batteries in fire. The cell may explode. Check with local codes for possible special disposal instructions.
4. Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes and skin. It may be toxic if swallowed.
5. Exercise care in handling batteries in order not to short the batteries with conductor material such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
6. Do not attempt to recharge the batteries provided with or identified for use with this product by heating them. The batteries may leak corrosive electrolyte or explode.
7. Do not attempt to rejuvenate the battery provided with or identified for use with this product by heating them. Sudden release of the battery electrolyte may cause burns or irritation to eyes or skin.
8. All batteries should be replaced at the same time. Mixing fresh and discharged batteries could increase internal cell pressure and rupture the discharged batteries.
9. When inserting batteries into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can cause charging, which may result in leakage and explosion.
10. Remove the batteries from this product if it will not be used for a long period of time (several months or more) since during this time the batteries could leak, damaging in the product.
11. Discard “dead” batteries as soon as possible since “dead” batteries are more likely to leak in a product.
12. Do not store this product, or the batteries provided with or identified for use with this product in high-temperature areas. Batteries that are stored in a freezer or refrigerator for the purpose of extending shelf life should be protected from condensation during the storage and defrosting. Batteries should be stabilized at room temperature prior to use after storage.

SAVE THESE INSTRUCTIONS

INTRODUCTION TO CALLER ID INSTRUCTIONS

Read this manual carefully before using this product and keep it for future reference.

Congratulations on your purchase of this product! The unit allows you to take advantage of the Caller Identification service that may be offered by your local telephone company. Not all local telephone companies provide Caller Identification service therefore you must make sure the service is available.

IMPORTANT: For your Caller ID to function, you must first contact your local telephone company to arrange to have Caller ID with Call Waiting service installed on your line. There will be an extra charge added to your monthly telephone bill for this service. Please consult with your local telephone company for the Caller ID service charge.

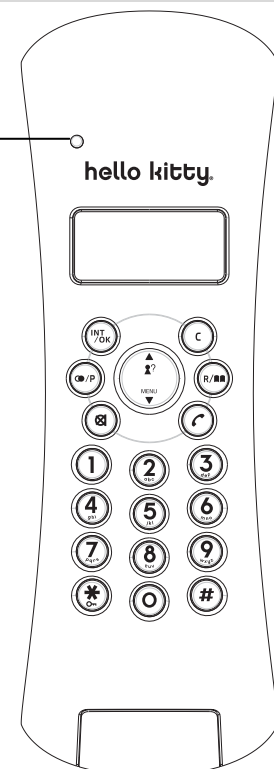
1. The Caller ID function can be used to screen unwanted calls, eliminate harassment from annoying calls, or to return missed calls using the displayed speed dial feature.
2. When used with Caller ID service, the unit displays the name or the telephone number of the person calling before you pick up your telephone.
3. Additionally, if you subscribe to Call Waiting combined with Caller ID service, this phone lets you see who's calling while you're on another call (your telephone company must provide the service needed for this feature to work).

FUNCTIONS AND CONTROLS

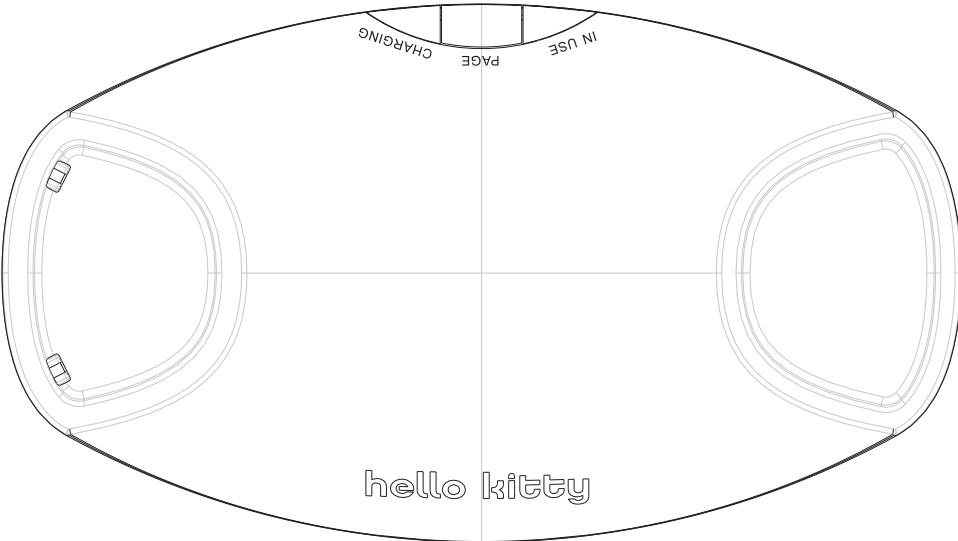
Handset Section

MENU / ▼	Menu / down key
 / ▲	CID / Menu/ Up key
INT / OK	INT / OK key
C	Cancel Key
	Mute key
 / P	Redial / Pause key
	External call key.
R / 	Flash /Memory key
* / 	Asterisk / lock key
#	Hash key

New Message LED

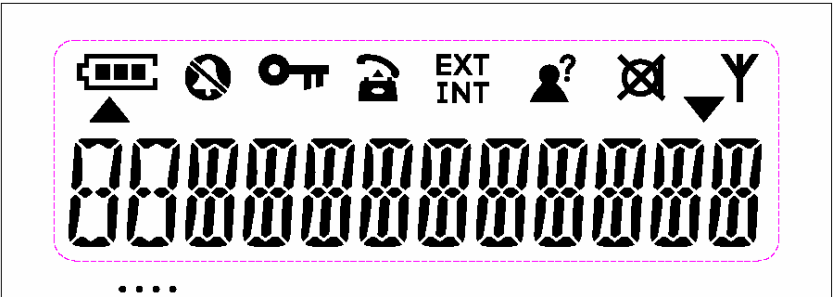


Base Section



PAGE	Page key
IN USE	In-use LED: The In-use LED will be steadily on during off-hook. During the period of incoming call, the In-use LED will also follow the ring cadence to go on or off. When registering, it will flash as a special cadence.
CHARGING	Charging LED

LCD Display Section



	Battery icon
	Phone icon
EXT	External call icon
INT	Internal call icon
	CID icon
	No ring icon
	Mute icon
	Key lock icon
	Aerial icon
	Up arrow
	Down arrow

PHONE INSTALLATION INSTRUCTIONS

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet or damp locations.
3. Never touch un-insulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

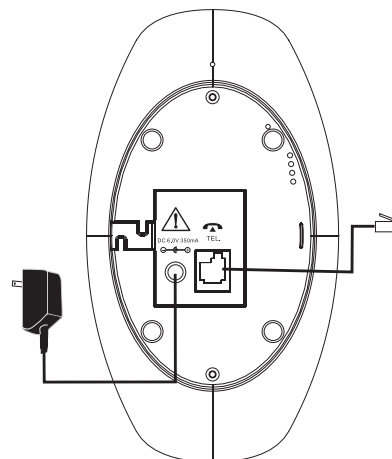
GETTING STARTED

Connecting the Base Station and Power Plug

Connect one end of the telephone line cord and the AC adaptor to the corresponding sockets in the base station (they can not be connected incorrectly because the sockets and plugs are designed prevent reverse poling). Lay the cable under the telephone to the rear. Plug the telephone line in the telephone connection socket. Insert the power plug at the other end into the power outlet. The base station in now ready to operate.



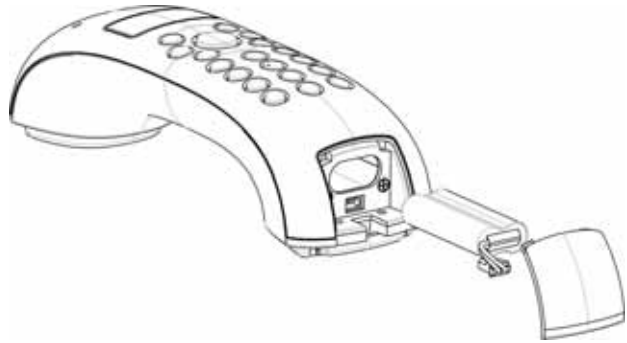
Only use the connection cable supplied.



The base station has no power switch. Ensure that a Mains power outlet is close by and that the power plug is easy to access. Check that the voltage specified on the power adaptor corresponds to that supplied by the local power network.

Installing Battery

1. Open the battery compartment by pushing the battery cover at the bottom hook.
2. Insert the supplied rechargeable battery pack in the compartment, ensuring correct polarity.
3. Place the upper hooks to the handset first and then push at the battery cover bottom to lock to close the battery cover.



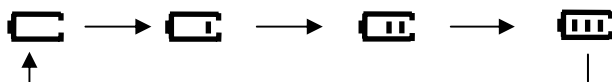
Battery Charging

IMPORTANT:

Please make sure you have completed the Handset battery pack installation before plugging in the Base Adaptor.

Place the handset in the base.

- An acoustic acknowledgement is issued and the charging indicator signals the charging process has started.
- Allow the battery pack to be charged for 12 hours without interruption the first time they are charged. When possible, only remove the handset from the station when the charging process has been completed. This ensures optimum operation. If you don't properly charge the phone, battery performance will be compromised.
- When a handset is initially started up (reloading the batteries or charging up from empty batteries), the battery will be fast charged in 3 hours.
- During a normal usage scenario, when a handset is used and is put on the cradle, the battery will be fast charged in about 15 minutes.
- If the battery level reaches 2 bars, the system will charge for 3 hours.
- While the battery is being charged, the following animation on the battery icon can be seen.



- After the charging period, the software will stop the fast charge cycle and the battery icon will be shown as **full**.
- An empty battery pack has to be charged for about 12 hours in order to reach maximum capacity.

Low Battery Warning

- When the battery low condition is detected during standby mode, low-battery warning tone will sound and the empty battery sign is shown.



- If, however, the low battery condition is detected when a call is active, a low-battery warning tone will sound every 15 seconds and the empty battery sign is shown. Whereas in idle mode, the low-battery warning tone will emit every 30 seconds in order to save power.
- If the low battery warning tone is switched off through the menu, the warning tone will be off.
- The current call connection will be halted after 3.5 minutes if battery is low.**

MENU SETTING

- Once the handset is powered either by the supplied battery pack or by putting in the cradle, it will begin to search for a base station that has been registered to that handset. The 'Aerial' icon  will flash and "RANGE OUT" is shown in the Handset's LCD during searching.
- After several seconds, the LCD will display "XX NEW CALLS" if there are new calls existing or the handset number and the handset name.

General Operation

- The MENU can only be accessed when the handset is in the standby mode.
- All individual functions are listed in the form of a menu.
 - Press [MENU/▼] to enter the MENU. The first selectable item, CALL LOG, is displayed as shown.



- The other items such as PHONE BOOK, HANDSET, BASE, REGISTER, LANGUAGE and their Sub-Menus can be accessed by repeatedly pressing [/?/▲] or [MENU/▼] until the desired item is shown in the display. You may then press [INT/OK] to confirm or [C] to abort the selection.
- The previous selection will always be shown first and can be changed by pressing [/?/▲] or [MENU/▼].
- Alternatively, you may also press an index digit to directly select for the desired item. At any stage of the MENU mode, you may go to one level up by pressing [C] once or press and hold [C] to exist the MENU.
- At any stage, you can connect the base immediately by pressing [].
- The Handset will exit from the MENU mode if no key is pressed for 20 seconds.

Note: When entering the CALL LOG or BASE of the MENU, a 'WAITING' message will be shown in the Display indicating that the handset is requesting the base for service and waiting for it to response.

SUMMARY OF THE MENU FUNCTIONS

- For easy reference, all the selectable items are listed as follows: (Note: At any time, only one item is shown in the display)

1 - CALL LOG	
1 - UNREAD	
2 - MISSED	
3 - RECEIVED	
4 - CLEAR MSG	
5 - DELETE ALL	
2 - PHONE BOOK	
1 - BROWSE	
2 - STORE	
3 - EDIT	
4 - DELETE	
5 - MELODY	
6 - DELETE ALL	
3 - HANDSET	
1 - VOLUME	
2 - EXT RING	
3 - INT RING	
4 - HS NAME	
5 - TONES	
1 - KEY	
2 - CONFIRM	
3 - LOW BATT	
4 - RANGE	
6 - TIMER	
7 - AUTO ANS	
8 - DEFAULT	
4 - BASE	
1 - VOLUME	
2 - MELODY	
3 - DIAL MODE	
4 - DEREG HS	
5 - FLASH	
6 - DEFAULT	
5 - REGISTER	
6 - LANGUAGE	
1 - ENGLISH	
2 - PORTUGUESE	
3 - SPANISH	

CHANGING HANDSET SETTING

Changing Language

The default display language of the handset is English. Please follow the procedure below to change the display language if desired.

1. Select 'LANGUAGE' from the MENU by pressing [MENU/▼] 6 times and then press [INT / OK] to confirm selection. You will be prompted to change the display language.
A total of 3 languages can be selected.

ENGLISH
PORTUGUESE
SPANISH

2. Press [MENU/▼] or [M?/▲] to select the desired language. Press [INT/OK] to confirm. A confirm tone will be heard.

Changing Handset Ring Tone

1. To change the handset ringer volume, choose 'VOLUME' under 'HANSET' by pressing [MENU/▼] 3 times followed by [INT/OK].

There are 5 selectable volume levels ranging from 0 to 5 levels and the ring tone for external call can be heard at the same time.



If level 0 is selected, the 'No Ring' icon  will be shown as well.

2. Press [INT/OK] to confirm the selection. A confirm tone will be heard.



To change the Handset melody, choose either 'EXT Ring' or 'INT Ring' for external or internal incoming call. There are 10 normal ring tone melodies can be selected.



1. To change the ring melody, press [MENU/▼] or [M?/▲].
The selected melody tone can be heard during selection.
2. Press [INT/OK] to confirm the selection. You will hear a confirm tone.

Changing Handset Name

1. You can change the Handset's name displayed during standby mode by choosing sub-menu 'HS NAME' under HANDSET from the MENU.
2. If the handset name has been stored, the name will be displayed and can be changed. If no handset name was stored, if you like just key in your name using the key buttons and press [INT/OK] to complete. A confirm tone will be heard.

Setting Tones On/Off

There are 4 kinds of tones that can be set to on or off. They are the key tone, confirm tone (including error tone), low battery tone and range out tone.

1. The key beep tone can be set to on or off by selecting 'KEY' from the Sub-Menu 'TONES' under HANDSET MENU. The previous setting 'On/Off' can be seen.



2. Choose the desired setting and then press [INT/OK]. A confirm tone will follow. The other tones can be set as setting the key tone.

Setting Call Timer On/Off

1. The Call Timer display during a call can be set to on or off by selecting 'TIMER'. Similar to setting the key beep on/off, the previous on/off setting will be shown after selection.
2. Choose the desired setting and then press [INT/OK].

Setting Auto Answer Mode On/Off

1. The auto answer function can be set to on or off by selecting 'AUTO ANS' from the HANDEST MENU. Similar to setting key beep on/off, the previous on/off setting will be shown after selection.
2. Choose the desired setting and then press [INT/OK]. A confirm tone will be hard.

Reset Handset Default Setting

1. By choosing 'DEFAULT' under 'HANDSET', you will be asked to confirm the resetting procedure.



Once confirmed, all the handset setting parameters will be reset to the defaulted values.

CHANGING BASE SETTING

Changing Base Ring Tone

1. To change the base ring volume, choose 'VOLUME' under 'BASE' in the MENU by pressing [MENU/▼] 4 times followed by [INT/OK].
2. There are 5 selectable volume levels ranging from 0 to 5 levels and the base ring tone can be heard at the same time.
If level 0 is selected, the base ringer will be turned off.



3. Press [INT/OK] to confirm the selection.

Changing Base Melody

1. To change the melody, press [MENU/▼] or [?/▲] to choose 'Melody' under BASE of the MENU and press [INT/OK].



You can select from 9 ring tone melodies.

2. To change the ring melody, press [MENU/▼] or [?/▲].
The selected melody tone will be heard during selection.
3. Press [INT/OK] to confirm the selection. A confirm tone will be heard.

Changing Tone/Pulse Dialing

PULSE dialing is used if your local telephone system only offers Pulse (rotary dial) service or if Tone service is available but you do not subscribe to it.

1. The tone or pulse dialing mode can be selected by choosing 'Dial Mode' from the BASE setting menu.
After selecting, the current dial mode is shown;

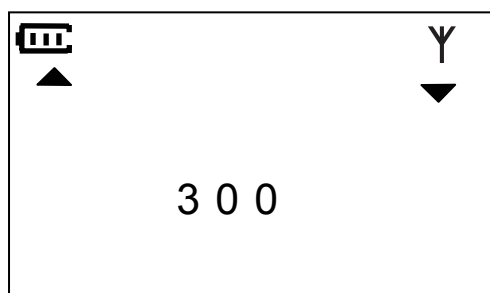


2. Press [?/▲] or [MENU/▼] to select DTMF or pulse dial mode. Press [INT/OK] to confirm or press [C] to abort.

Changing Flash Time

The flash time can be changed so that the base can be compatible to different PABX system.

1. Choose 'FLASH' from the BASE setting menu and the current setting is displayed.



Three different flash times can be selected (100ms, 300ms or 600ms)

2. To select the desired flash time, press [MENU/▼] or [2/▲].
3. Press [INT/OK] to confirm the selection.

Reset Base Default Setting

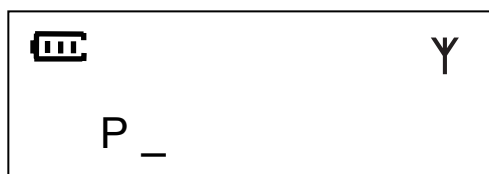
- Similar to the resetting procedure for the Handset, confirmation will be required.
- Once confirmed, all the base setting parameters will be reset to factory setting.

Storing Number into the Phone Book

1. Choose 'STORE' under PHONE BOOK from the MENU to create a new phone book entry.
2. After selection, you will be prompted to enter the name first.



3. After the first pressing, the entering display will appear and the letter will blink once for 1 second, during this 1 second, the character can be entered by pressing a digit '1' to '0' for different times within 1 seconds.
4. After one second whether no key or another digit key is pressed, the cursor will be advanced by one step as shown, and blink to indicate the current entering position.



5. Press [C] to delete the current alphabet entry or press [INT/OK] to complete the name entering procedure.
6. You may enter a name of up to 10 characters. When entering the name, press [C] to clear the last input character. Press [INT/OK] to confirm the name entered. If no character is entered but press [INT/OK] to confirm, a warning tone will prompt.

Note: Name and number cannot be empty.

7. After entering the name and confirm, number entry will prompt.

NUMBER :

8. You may enter a number of up to 16 digits. During number entry, press [C] to clear the last input digit if needed.

1 2 3 _

9. Press [INT/OK] to complete the number entry and also the procedure of storing an entry in the phone book. A confirm tone will be heard and the storing can be continued one by one.

Setting Distinctive Melody for Phone Book Entry

- After selecting 'MELODY' under PHONE BOOK in the MENU, you can select a melody for phone book entries. Similar to editing a number from the phone book, you have to choose an entry to set.
- Press [INT/OK] and then the melody for that entry will be heard. If no distinctive melody is set to it, the default melody same as the common one set in Ext Ring will be assigned. (See the section of Changing handset ring tone)
 - The selected ring tone will be heard if the caller ID matches with the number for the entry during incoming call.
 - Press [R/📞] to view phonebook entries, if the entry is set to a distinctive melody, a '#' will indicate before the entry name.

▣ FRANK

CALLER ID OPERATION

IMPORTANT:

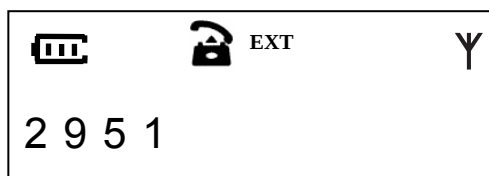
This function is operative only when your local telephone system offers Caller ID service and you have subscribed to it. You should consult with your telephone company if you have any questions about this service.

PLACING A CALL

NOTE: Before dialing, make sure that TONE or PULSE is chosen for your type of telephone service.

Normal Dialing

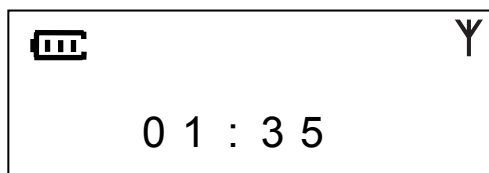
1. Press [ will be on.
If the handset is not subscribed or out of range, [] key cannot be used and pressing it will bring on an error tone.
The "EXT" icon will be on after the PSTN line is connected.
2. Dial the number as required.



3. Press [] to flash the line to perform some PABX function and the LCD will be cleared waiting for new input. The number dialed after the 'Flash' will not be stored in the redial memory.
If call timer has been set to ON, then after 8 seconds of no further key press, the call timer counter will display. It starts counting from '00: 01' when off hook.



4. To terminate the call, press [] or return the handset to the cradle. The last call time will remain in the LCD for 2 seconds.



Temp Tone Dialing

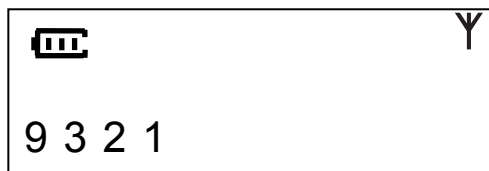
You may want to change to Tone dialing temporarily during the call if the call has been setup for pulse dialing.

This can be done by pressing [*/*] key for more than 2 seconds during the call is active. A digit 'd' will be shown in the display, indicating the 'Change to Tone' command is sent out.

- Adding the digit 'd' is also possible in pre-dial buffer.
- Tone dialing will resume once you hang up the handset.

Pre-Dialing

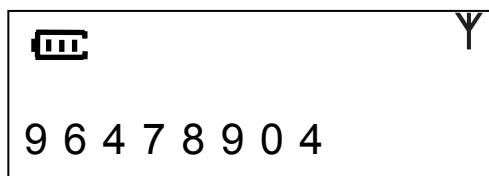
1. Enter the number (up to 25 digits) before seizing the line as shown;



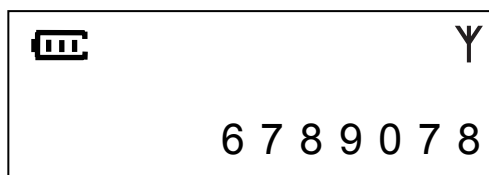
2. Press [C] to delete the last input digit if necessary. To add a pause digit, press [P] and a letter 'P' will be shown. Long Press the [C] key to clear all digits at once if required.
3. After the desired number is entered, press [Call] to seize line and the entered number will be dialed out.

Redialing

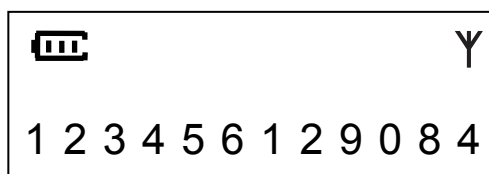
1. During standby mode, press [P] once.
One of the 10 last dialed numbers will appear in the Display.



- If the number is longer than 12 digits, at first, the first page will be shown aligning right, the digit number equals to the total number minus 12.



- 2 seconds later, the second page (the rest 12 digit) will be displayed.



2. Press [P] to view another last dialed number in the list. Or press [MENU/▼] or [Person/▲] to view the former or later number.
3. Press [Call] to seize line and the selected number will be redialed.

Dialing Number from the Phone Book Directory

1. To Dial the number stored in the phone book memory during standby mode, press [R/📞] the name for the first number stored in a sorted listed in the directory will appear in the LCD.



2. To locate the desired entry either press [MENU/▼] [👤/▲] key or press [8 TUV] to locate the entry with the name started with 'T', press [6 MNO] to locate the name started with 'M'.
 3. When the name of the desired person appears in the LCD, press [INT/OK] once. The telephone number of the chosen person will be display.
 4. Press [📞] to dial out the number immediately.
- If the phone book is empty, an error tone will be heard following with an error message.



- The error message will be displayed for 2 seconds before reverting to standby mode.

Dialing From Displayed Call

1. During standby mode, press [👤/▲] to view unread caller ID or through menu to browse call log list.
2. To call back to the caller, press [📞] and the viewed number will be dialed out.

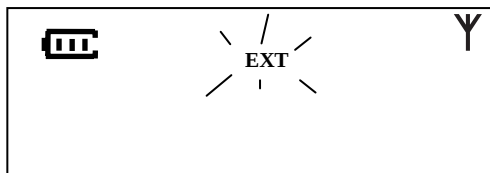
Dialing Back On Call Log

1. Use the [👤/▲] or [MENU/▼] button to display the caller ID record you want to dial.
2. During viewing any type of call log, press [0-9] to add digits before CID number. Press [#] to cancel all additive digits.
3. Press [📞] button, the number dials automatically.

RECEIVING A CALL

Make sure the Caller ID service is turned on by your phone company.

- When receiving an external call, the handset and the Base will ring. The “EXT” icon and the MSG (MESSAGE) LED will flash.
- Base In-use LED will flash according to the ring cadence.



- The caller's number or name will be shown.
1. Pick up the handset and press [📞] to answer the call.
Note: i. If auto-answer function is enabled, the line can also be automatically connected after the handset is lifted up from base.
ii. For preventing accidental line disconnection, users cannot press [📞] to go on-hook within 3 seconds after the handset is lifted up. To avoid handset dropping from hand, handset will not go to on-hook when placing handset onto cradle within 3 seconds too.
 2. Press [MENU/▼] or [👤/▲] to adjust the sound level from the earpiece if desired.
 3. To end a call, simply return the handset to the cradle or press [📞] again.
 4. If a call with CID information remained unanswered after the call is gone for 3 seconds, the handset and base will go back to standby mode. The CID icon 📞 will be on and the number of unread caller ID number will be shown.
Notes:
 - i. Your unit has the memory capacity to store and display up to 20 call messages. When the memory is full and new calls are received, earlier message will be replaced by the new calls.
 - ii. When you receive the first call, the unit will automatically set the correct time and date.
 - iii. Calls pick up on the first ring will not be logged in the Caller ID Log.

Display Screen Messages

- If the network provider sends out CID information, some information will be shown.
- Sometimes, the service provider does not send out the number but provide reason of absence.
- The supported CID displays include: number absence, number, name absence, name, message indication and long distance indication.

Screen Displays	When
BLOCKED	Caller information is not available or intentionally blocked by the sender.
UNKNOWN	Your telephone company is unable to receive information about the caller
MESSAGE	Message waiting is received.
PAUL	the number is matched in phone book, the name will be displayed instead of the number
98764321	the number is not matched in phone book, the phone number will be displayed.

CALL WAITING

This telephone is compatible with the “Caller ID with Call Waiting” service. This service allows you to see the name or phone number of a second call while you are talking to the first caller. Make sure that your telephone company offers this service and you have subscribed to it in order to use this service. Even though you may have already subscribed to “Caller ID” and “Call Waiting” as two separate services, you need to request a subscription to “Caller ID with Call Waiting” as a single service.

When a new call comes in while you are talking, the phone number or the name of the new caller will appear in the display for about 10 seconds.

If the second call is not answered, the caller’s number will be saved to the CALL LOG and the entry will become as UNREAD call.

To switch to another caller, press [R/📞] and again to switch back to the first caller.

MESSAGE WAITING

This telephone is also compatible with Message Waiting. This function is operative only when your local telephone system offers such service and you have subscribed to it. Contact your local telephone company to subscribe to Voice Mail Service. You should consult with your telephone company if you have any questions about this service.

When a message comes in and it is unread due to whatever reason the NEW MESSAGE LED will flash indicating there is new message in your voice mail box.

Viewing Calls

- The previous caller ID information can be read by choosing 'CALL LOG' from the MENU or by pressing the [👤/?/▲] key during standby to view the unread call.

Notes:

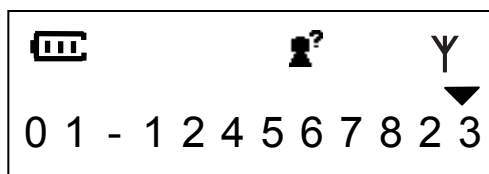
- There are 3 kinds of CALL LOG entries: UNREAD, MISSED and RECEIVED.
 - If an incoming call with CID is missed, at first it will be stored in UNREAD category before user read it. Unread call log deletion cannot be done, unless user deletes all call logs. After user read it, it will be removed from UNREAD category to MISSED category. Then it can be saved to phone book or deleted one by one.
 - If an incoming call with CID is accepted, the caller information will still be stored in the call log but it will become as RECEIVED call.
 - The caller number and name will be arranged in the call log such that the latest received call information will be stored in the first location.
 - Every CID received with the same number will be considered as an independent one. The same CID number received will replace the other one.
 - If all the call log locations are occupied, further reception of caller information will replace the earliest 'received' call. In case there is no RECEIVED call left, the earliest MISSED (or UNREAD) call information will be replaced.
- Choose "CALL LOG" from the MENU by pressing [MENU/▼] and press [INT/OK] to enter.
 - If there is no unread caller ID information, the following screen can be seen for 2 seconds before reverting back to standby mode.



- If there is caller ID information, the most recently received caller's number will be shown first. If the call information has not been read before, the CID icon 📞? will be on.
- After the unread caller ID is read, it will become missed call and be removed from unread list.
- Phone book number matching will be performed on the caller number in the CALL LOG as well. If there is a match, the name of the caller for that entry will be shown.



- If the name has more than 9 characters, the rest of the name will be omitted. Press [MENU/▼] to view the number or name in the next row. Besides '0'-'9', only '*' and '#' could be displayed in the number field.



- Apart from the number can be stored, some 'Absent reason' will also be stored in the call log. Please see the examples below.

```

0 1 - B L O C K E D
0 2 - 1 1 2 5 6 6 8
0 3 - U N K N O W N
0 4 - J O H N
0 5 -

```

- 4 Press [MENU/▼] or [👤/▲] to view the next or previous caller ID information.
- If the caller information for an entry has been read before, the CID icon 👤 will not appear.

```

📶                                📶
                                ▼
0 3 - 2 6 7 8 1 3 4 5 7

```

- 5 If the caller's number is too long to be seen at once, pressing [MENU/▼] will show the unseen content on the right.
6. If date-time information is available, user may press [MENU/▼] to view the date-time information (MM/DD hh : mm , 24 hour) located at the end of the current call log entry.

```

📶                                📶
👤                                ▼
MM / DD   hh : mm

```

Deleting Message

1. Choose CALL LOG by pressing [MENU/▼] and press [INT/OK] to confirm.
2. Press [MENU/▼] to select CLEAR MSG and press [INT/OK] to confirm.
3. Confirmation will be required for deleting all entries.,

```

📶                                📶
CONFIRM?

```

4. Press [INT/OK], a confirm tone will be heard.

Deleting Entries from the Phone Book

1. To delete individual phone book entry, choose CALL LOG by pressing [MENU/▼] and press [INT/OK] to confirm.
2. Press [MENU/▼] to select the Sub-Menu UNREAD, MISSED or RECEIVED and press [INT/OK] to confirm. Call number will appear.
3. Press [INT/OK] once, "DELETE" will appear.

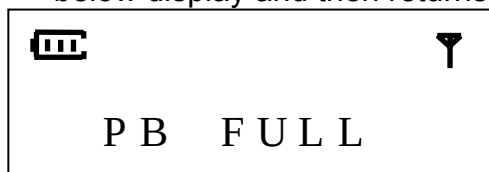
4. Press [INT/OK] and then that entry will be removed.
5. To delete all the phone book memory, choose 'DELETE ALL' under the CALL LOG.
6. Confirmation will be required for deleting all entries.



- Press [INT/OK] to confirm the delete all procedure or press [C] to cancel.

Copying the Call ID Number from the CALL LOG.

- Choose "CALL LOG" to enter the CALL LOG first.
- Then you can browse a sub-menu by pressing [MENU/▼] or [👤/▲] and press [INT/OK] to execute the selected operation.
- During viewing 'missed' or 'received' caller ID, press [INT/OK] to operate it.
- If 'SAVE' is selected and the phone book space is full, a warning tone will be heard with the below display and then returns to the upper level menu after 2 seconds.



- If the phone book space is not full, the selected call log entry will be saved to the phone book as shown.



- Note:
- i. If the current call log entry matches the one in the phone book, it can't be saved to the phone book with prompt of 'EXISTED'. If you try to save some call logs without number, it will show 'INVALID'.
 - ii. If the current call log entry does not match phone book and it has no name, the name field will be filled with 'CID NAME'.
 - iii. Saving the caller's number is only possible if a matched entry is not found in the phone book.

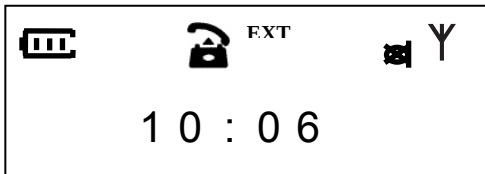
Editing an Entry in the Phone Book

- After selecting 'EDIT' under PHONE BOOK in the MENU, the first item on the sorted list will be shown. Similar to recalling a number from the phone book, you have to choose an entry to edit.
- After pressing [INT/OK], the stored name will appear for edit followed by the number. The rest of the procedure is the same as described in section "Storing number into the phone book" above.

OTHER TELEPHONE FUNCTIONS

Muting During Conversation

- During conversation (internal or external call), the microphone can be muted by pressing [MUTE]. After the function is selected, the icon  will be on.



- When the outgoing conversation is muted, you may press [MUTE] to un-mute the speech path. After that, the icon  will be cleared.

Changing Volume

- During conversation (internal or external call), the earpiece volume can be adjusted by pressing [VOLUME UP] or [MENU/VOLUME DOWN].
- The adjusted volume level is indicated by a volume bar as shown;



- The volume bar will appear for 2 seconds after the last key press.
- When press [VOLUME UP] to increase volume if level is 5 or press [MENU/VOLUME DOWN] to decrease if it is 1, it will wrap to level 1 or level 5.

Key Lock

- In standby mode, press and hold the [*/KEY] key for 2 seconds to lock the keyboard. Once it is locked, the icon  will be shown and '* TO UNLOCK' message will be displayed;



- All key input will be ignored when the keyboard is locked. To unlock the keyboard, press and hold the [*/KEY] key for 2 seconds.
- When the keyboard is locked, user can still accept the incoming call by pressing the [CALL] key. After the call, keyboard is still locked.

Emergency Call

There is only one emergency call number (911) in factory setting.

Out of Range Warning

- When a handset is being off-hook and it is too far away from a base station, an out of range warning tone can be heard and handset will go to on hook. In idle mode, the range out tone will be heard every 30 seconds.
- If user switches off the range out warning tone through menu tones item, the tone will be off.

Paging Function

If the PAGE [📶] key on the base is pressed during standby mode, the base will beep once and the handset will output the paging tone. 'PAGING' message will be shown in the LCD;



Pressing the [📶] key or any key on handset can stop the page tone and page display.

TROUBLESHOOTING GUIDE

PROBLEMS	CHECK
No dial tone	Is any plug disconnected from all modular phone plugs? Is jack improperly wired?
Phone does not work	Are all cords connected properly?
Phone does not ring	The Ringer level may have been set to 0 ? Reset the Ringer level.
Cannot dial	Check the Tone/Pulse Setting. You may only have PULSE service. Set the Tone/Pulse to PULSE
Other party cannot hear you	Ensure Handset cord is connected properly.
The display is faded (Numbers are hard to see)	Are batteries correctly installed? Are the batteries fresh? Recharge the batteries. Replace all the rechargeable batteries at the same time.
Caller ID does not work	Make sure the Caller ID service is active. All line cord connections are correct and secure. Your answering machine should be set to answer after at least 2 rings and you should only pick up the phone after 2 rings.
The Caller ID display is blank	Check if you have received the first Caller ID record.
The Caller ID display does not show the caller's information	The Caller ID unit will not function until you have Caller ID service from your local telephone company. Call your local telephone company to have Caller ID installed on your phone line. Check your phone line connections. Make sure all connections are secure and connected. If it is a private call or a blocked call, the caller's name and/or phone number will not appear in the display.
Caller ID displays in the wrong language	Reset the on screen display language. The default language is English.
Cannot see the name or number of the caller	Did you wait for the second ring before picking up the phone? The Caller ID will only detect information between the first and second ring.
Caller's information is not registered	The caller may have an unlisted or blocked number to prevent Caller ID identification or it may be an overseas call or you may have noise on the line during that call. Did you or your answering machine answer calls before the second ring?
Message Waiting does not work	Check with your telephone company if this service is available or if you have subscribed to it.

CONSUMER INFORMATION

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier of US:DDKW400BKT2015. If requested, this number must be provided to the telephone company.

The applicable jacks (i.e. RJ11C) for this equipment are provided in the packaging with each piece of approved equipment. The jacks are certified by Universal Service Order Codes (USOC).

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug are provided with this product. They are designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.

[For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US: AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.]

If this equipment 097021908 causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If you experience trouble with this equipment, disconnect it from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alter or repair any parts of device except specified. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

This equipment is hearing aid compatible.

NOTICE

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment 097021908 does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

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.

CARE AND MAINTENANCE

1. Clean your phone with a damp (never wet) cloth. Solvent or detergent should never be used.
2. If your phone stops working, check to be certain that all modular plugs are properly “snapped” into their jacks. If the phone still doesn’t work and you have other telephones installed in your home, check to see if they are working. If they are, try using your telephone on another outlet. If it still doesn’t work, it is more than likely that there is a problem with your telephone. In this case, return the unit for service in accordance with the instructions on your warranty card.

DO NOT CALL THE TELEPHONE COMPANY SINCE YOU MAY BE RESPONSIBLE FOR CHARGES FROM THEM. CHARGES FROM THE TELEPHONE COMPANY ARE NOT COVERED BY THE TERMS AND CONDITIONS OF THE WARRANTY.

3. If other telephones in your house have also stopped working, the problem is most likely with your telephone line service. Do not return your telephone for service since most likely there is nothing wrong with it. You should however, consult with your telephone company to see if there has been any interruption to your line service.
4. If it is determined that your telephone is malfunctioning, FCC requires that it be disconnected from the modular outlet until the problem has been corrected.
5. Always have your unit repaired by an experienced technician or return it for service to:

Service Department
Spectra Merchandising International, Inc.,
Chicago Industry Tech Park
4230 North Normandy Avenue,
Chicago, IL60634, U.S.A.
Tel: (773) 202-8408 or toll-free hotline 1 -800-777-5331

SERVICE

Please refer to the instructions on the enclosed warranty card for returning your unit for service. When returning the unit, please remove any batteries to prevent damage to the unit in transit and/or from possible battery leakage. We are not responsible for batteries returned with the product or for the cost of replacement.

TECHNICAL SPECIFICATIONS

Open Field Range*:	Typical 300m
Indoor Range*:	Typical 50m
Handset Operating Time: (average values**)	Approx. 6 hours talk time Approx. 70 hours standby
AC/DC Adapter:	Input: 120 V AC, 60Hz Output: 6V DC, 350 mA
Rechargeable Battery Pack:	LEXEL, LH070-3A44C2BRML1P Ni-MH AAA 700mAh 2.4V Battery Pack
Operating Temperature:	0 to 45 °C

* Value may vary according to environment.

** For guidance only, depends on initial battery charge.

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