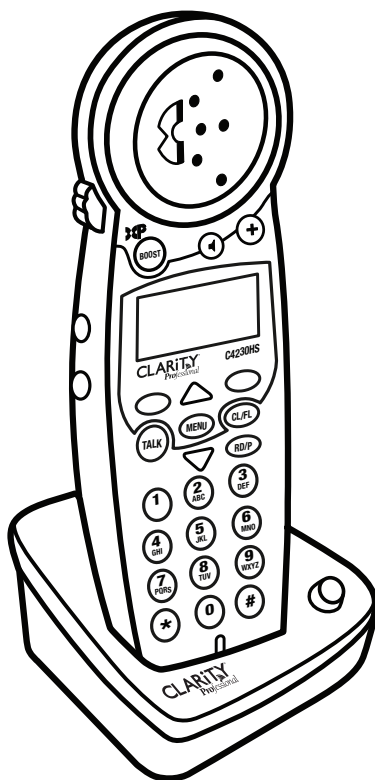


# C4230HS<sup>™</sup> Handset





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## INTRODUCTION

Thank you for purchasing the C4230HS amplified cordless handset from Clarity. The C4230HS is an additional handset that is compatible to the C4230 and C4220. In order to use the C4230HS handset, you must also purchase and pair this handset with either the C4220 or C4230 telephone.

This User Guide will provide you with the information you need to use your C4230HS effectively, easily and safely. Please refer to the C4220 or C4230 User Guide for further information on the C4230HS handset.

## IMPORTANT SAFETY INSTRUCTIONS

When 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 telephone.
3. Do not use this telephone near a bath tub, wash basin, kitchen sink or laundry tub, in a wet basement, near a swimming pool or anywhere else there is water.
4. Avoid using a telephone (other than a cordless type) during a storm. There may be a remote risk of electrical shock from lightning.
5. Do not use the telephone to report a gas leak in the vicinity of the leak.
6. Unplug this telephone from the wall outlets before cleaning. Do not use liquid cleaners or aerosol cleaners on the telephone. Use a damp cloth for cleaning.
7. Place this telephone on a stable surface. Serious damage and/or injury may result if the telephone falls.
8. Do not cover the slots and openings on this telephone. This telephone should never be placed near or over a radiator or heat register. This telephone should not be placed in a built-in installation unless proper ventilation is provided.
9. Operate this telephone using the electrical voltage as stated on the base unit or in the owner's manual. If you are not sure of the voltage in your home, consult your dealer or local power company.
10. Do not place anything on the power cord. Install the telephone where no one will step or trip on the cord.
11. Do not overload wall outlets or extension cords as this can increase the risk of fire or electrical shock.
12. Never push any objects through the slots in the telephone. They can touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock. Never spill liquid of any kind on the telephone.
13. To reduce the risk of electrical shock, do not take this phone apart. 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.
14. Unplug this product from the wall outlet and refer servicing to the manufacturer under the following conditions:
  - A. When the power supply cord or plug is frayed or damaged.
  - B. If liquid has been spilled into the product.
  - C. If the telephone has been exposed to rain or water.
  - D. If the telephone does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating

**SAVE THESE INSTRUCTIONS**

# IMPORTANT SAFETY INSTRUCTIONS

instructions. Improper adjustment may require extensive work by a qualified technician to restore the telephone to normal operation.

- E. If the telephone has been dropped or the case has been damaged.
- F. If the telephone exhibits a distinct change in performance.
- 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 the manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- 20. Plug the AC adaptor into the outlet that is nearest and most accessible to the telephone.

Exposure to high volume sound levels may damage your hearing. Although there is no single volume setting that is appropriate for everyone, you should always use the handset with the volume set at moderate levels and avoid prolonged exposure to high volume sound levels. The louder the volume, the less time is

required before your hearing could be affected. If you experience hearing discomfort, you should stop using the handset. To protect your hearing, some hearing experts suggest that you:

- 1. Set the volume control in a low position and then adjust the volume to a comfortable level.
- 2. Limit the amount of time you use the handset at high volume.
- 3. Avoid turning up the volume to block out noisy surroundings.

**CHILDREN:** Never allow children to play with the product – small parts may be a choking hazard and the amplified volume may cause hearing damage.

## SAFETY INSTRUCTIONS FOR BATTERIES

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

- 1. Use only the approved battery pack in the handset of your cordless phone.

**For Handset Unit:**  
3.6V 800mAh Ni-MH AAA  
**GPI International Ltd.:**  
GP80AAA3BXZ

- 2. Do not dispose of the battery in a fire as it may explode. Check with local codes for possible special disposal instructions.
- 3. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes and skin. It may be toxic if swallowed.

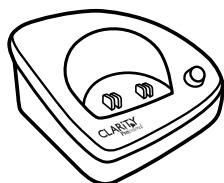
## IMPORTANT SAFETY INSTRUCTIONS

4. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets and keys. The battery or conduction material may over-heat and cause burns.
5. Charge the battery (ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.
6. Observe proper polarity orientation between the battery pack and the battery charger.

### **Pacemaker Warning**

If you or a member of your household has a pacemaker or other medical devices, consult your physician or the manufacturer of the pacemaker or medical device before using this product. The product should be used in accordance with the guidelines provided by your physician or the manufacturer of the pacemaker or medical device.

## CONTENTS & PARTS CHECKLIST

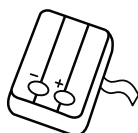


**1. Charger Base**

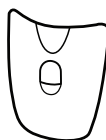
1. Charger Base
2. Handset
3. Battery pack
4. Battery compartment cover
5. Belt clip
6. AC adapter
7. User Guide



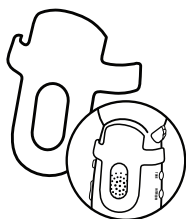
**2. Handset**



**3. Battery pack**



**4. Battery compartment cover**



**5. Belt clip**

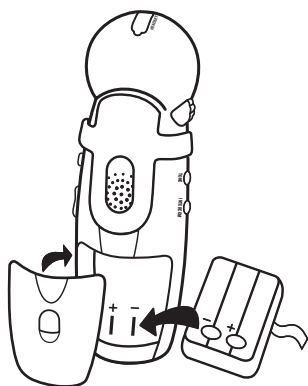
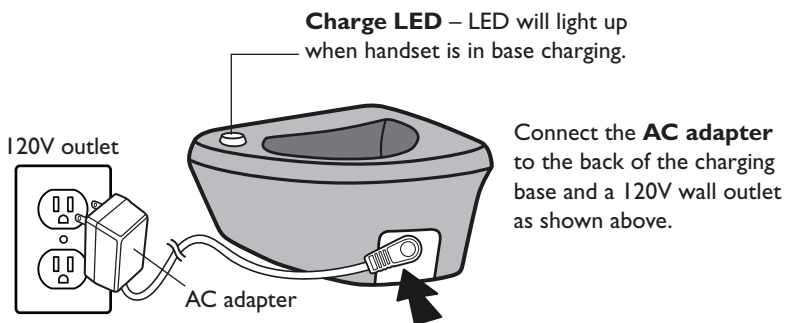


**6. AC adapter**



**7. User Guide**

## HOW TO CONNECT THE C4230HS CHARGING BASE



**Handset battery must charge 12 hours before use.**

**Battery**

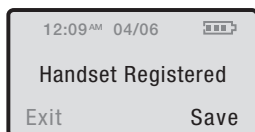
- Insert battery pack such that (+) and (-) on battery touch spring in battery compartment.
- Place handset on base to charge.
- Make sure the charge LED on base is illuminated.

**Registering**

The C4230HS is compatible to the C4220 and the C4230. In order to use the C4230HS you must register it to a C4220 or C4230.

To register the C4230HS, place the C4230HS handset into the main unit until the screen displays: Handset Registered. It will take approximately 5-10 seconds for the handset to register to the base.

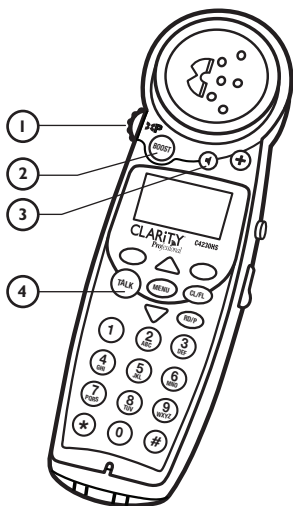
After registering the C4230HS, the handset will automatically be assigned a handset number.





**HOW TO DIAL OR RECEIVE A CALL**

1. Complete connection instructions as shown in this guide.
2. Install and charge battery as shown on page 8.
3. Make sure the power LED is on at bottom of base.
4. To receive a call pick up handset from base and press TALK to answer incoming call.
5. When placing a call press TALK and then dial the number.
6. After completing the call press TALK again and return handset to base unit.

**1 Volume Control**

The dial controls the volume level of the handset, headset or neckloop.

**2 Boost**

When pressed, an extra level of amplification is added over the entire range of volume control. (Digital Clarity® Power™ Technology)

**3 Speaker**

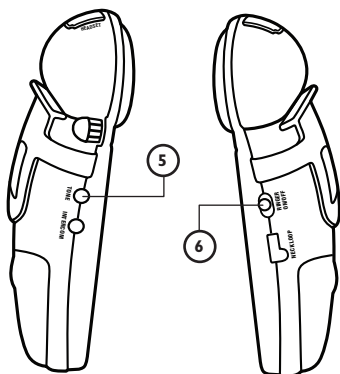
Press to activate handset speakerphone. Press again to switch back to earpiece.

**4 Talk**

Press TALK button and dial number to make a call. To end call press TALK again.

**5 Tone**

The C4230HS has four (4) AUDIO TONE settings. Pressing the TONE button changes the style of amplification and allows you to customize your hearing experience.



Hearing loss is specific to each individual; therefore, we suggest exploring each setting to find the one you find most comfortable. (see main User Guide for a complete description of available audio profiles)

**6 Ringer On/Off**

Switch to turn Handset Ringer On or Off.

## **TROUBLESHOOTING**

### **The unit will not operate/no dial tone:**

- Verify the AC Adapter is securely plugged into AC outlet, the base and the telephone.
- Verify the telephone line cord is securely plugged into the wall jack and the telephone.
- Make sure the battery has been placed in the battery compartment correctly. (The circular metal contacts on battery need to touch the metal springs inside battery compartment.)
- Make sure the handset battery is fully charged.
- Verify the telephone is in the correct dialing mode tone (touch) or pulse (rotary).
- Make sure you are in the usable range of the base station.

### **The phone does not ring when you receive a call:**

- Make sure the RINGER switch on the handset is set to ON.
- Verify the AC Adapter is securely plugged into the AC outlet, and the base.
- Verify the telephone line cord is securely plugged into the wall jack and the telephone.
- Make sure you are within the usable range of the base station.
- You may have too many extensions on your line. Try unplugging a few devices.

### **Noise, Static, Interference or Other Calls Heard while Using the Handset:**

- Make sure you are within the usable range of the base station.
- Make sure the handset battery is fully charged.
- Try relocating the base unit to another location.
- Make sure the AC Adapter is not plugged into the wall outlet with other appliances.

# TROUBLESHOOTING

## **Phone Will Not Hold Charge:**

- Make sure the charging contacts on the handset and base are free of dust and dirt. While unplugged, clean the contacts with a soft cloth.
- Make sure CHARGE LED on the base is lit when the handset is in the cradle.
- Handset battery may have developed a memory, due to user improperly charging, and may need to be replaced. (Battery must be charged a full 12 hours before the first use.)

## **Difficulty in Placing or Receiving Calls:**

- Move closer to the base and try again.
- Make sure you have selected the correct dialing mode, tone or pulse.
- Make sure the AC Adapter is not plugged into a wall outlet with other appliances. Disconnect for 5-10 seconds then reconnect. Place the handset back on the base and reinsert the AC Adapter.
- Make sure the handset battery is fully charged.

## **Your handset screen is showing Out of Range**

- Move closer to the base.
- To register the C4230HS, place the C4230HS handset into the main unit until the screen displays: Handset Registered. It will take approximately 5-10 seconds for the handset to register to the base.
- Handset may need to be re-registered to the base manually. First, select INITIAL SETUP on the main menu. Second, select REGISTRATION on the sub-menu. The screen will then display "Please hold the page button until beep." This will register your handset to the base. The screen will then display the handset number.

## TECHNICAL SPECIFICATIONS

### General

Model Number:	C4230HS
Frequency:	5.8 GHz
Amplification:	50 dB
Compatibility:	C4230 and C4220

### Handset Unit

Product in Inches:	(L x W x H): 7.25 x 2 x 1.25
Weight in Pounds:	0.5 lb

### Base

Product in Inches:	(L x W x H): 3.50 x 2.75 x 2
Weight in Pounds:	.50 lb
Power Supply:	AC Adaptor (Input: 120V AC, 60 Hz; Output: 9V DC, 500mA)

### Handset and Base

Product in Inches	(L x W x H): 8 x 3.25x3.25
Weight in Pounds:	1.10 lbs

### Battery Information

Battery Type:	Ni-MH AAA 800 mAh 3.6V
Battery Life Talk Time:	3-4 Hours
Battery Life Standby:	6 days

Contact Clarity customer service for information on purchasing additional handsets or replacement battery.

### Clarity Contact information

Customer Service:	1-800-426-3738
Address:	4289 Bonny Oaks Drive, Suite 106 Chattanooga, TN 37406

## REGULATORY COMPLIANCE

### Part 68 of FCC Rules Information

a) 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 in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

b) 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, RJ11CUSOC, is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

c) 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.

d) If this telephone equipment 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.

e) 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.

f) If trouble is experienced with this telephone equipment, for repair or warranty information, please contact Clarity, 1-800-552-3368. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

g) This telephone equipment is not intended to be repaired and it contains no repairable parts. Opening the equipment or any attempt to perform repairs will void the warranty. For service or repairs, call 1-800-552-3368.

h) Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

i) If your home has specially wired alarm equipment connected to the telephone line, ensure the installation

## REGULATORY COMPLIANCE

of this telephone equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

j) This telephone equipment is hearing aid compatible.

### Customer-Owned Coin/Credit Card Phones:

To comply with state tariffs, the telephone company must be given notification prior to connection. In some states, the state public utility commission, public service commission or corporation commission must give prior approval of connection.

### Part 15 of FCC Rules 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.

Your equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in 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, you are encouraged to try to correct the interference by one of the following measures:

1. Where it can be done safely, reorient the receiving television or radio antenna.
2. To the extent possible, relocate the television, radio or other receiver with respect to the telephone equipment. (This increases the separation between the telephone equipment and the receiver.)
3. Connect the telephone equipment into an outlet on a circuit different from that to which the television, radio, or other receiver is connected.
4. Consult the dealer or an experienced Radio/TV Technician for help.

**CAUTION:** Changes or modifications **to this equipment** 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.

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

For body worn operation, this handset has been tested and meets the FCC RF exposure guidelines when used with the **(Plantronics)** accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

## REGULATORY COMPLIANCE

### **Industry Canada Technical Specifications**

**This product meets the applicable Industry Canada technical specifications.**

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier.

Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic

water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

**CAUTION:** Users should not attempt to make such connections themselves, but should contact the appropriate electrical inspection authority, or electrician, as appropriate.

The Ringer Equivalence Number is an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

(The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.)

This Class B digital apparatus complies with Canadian ICES-003.

### **The party responsible for regulatory compliance:**

Clarity, a Division of Plantronics, Inc.  
4289 Bonny Oaks Drive, Suite 106  
Chattanooga, TN 37406  
Phone: 1-800-552-3368