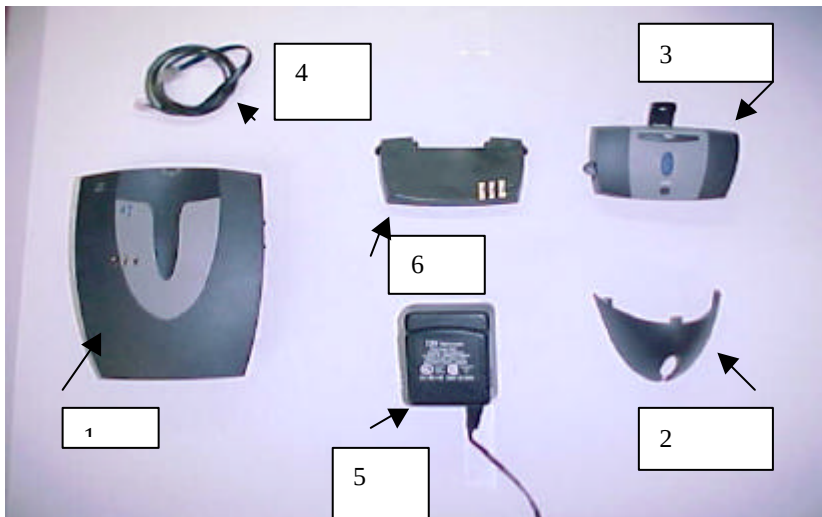


GN 9050 WIRELESS HEADSET SYSTEM BETA USER MANUAL

Component list

1. Base station
2. Base stand
3. Remote
4. Interface cord
5. AC adapter
6. Battery



Remote Beltpack Functions

1. Headset Mode indicator-blinks when the system is in Headset mode, no light when in handset mode.
1. Volume control- press + to increase volume and – to decrease volume
2. Mute button: Press to activate mute and press again to unmute.
3. Headset/Handset button/ handset lifter button: Press to enter Headset or Handset mode (LEDs on the remote and base station light in Headset mode) No Lights in Handset Mode. For use with optional handset lifter device, see handset lifter user manual.

Base Functions

1. Transmit Settings: Adjusts the volume of your voice.
2. Telephone Compatibility Settings: Fine-tunes the system to your telephone system.
3. Battery Charge indicator: Lights when the remote is properly seated in the base charger, blinks when battery is fully charged.
4. Base/Tone Control: Allows for choice of base and tone on receiver volume.

Audio Indicators

Mute	Tone sounds in headset every 15 seconds
Out of Range	Tone sounds in headset every 10 seconds
Low Battery	Tone sounds in headset every 20 seconds
Volume	Tone sounds in headset at max and min levels

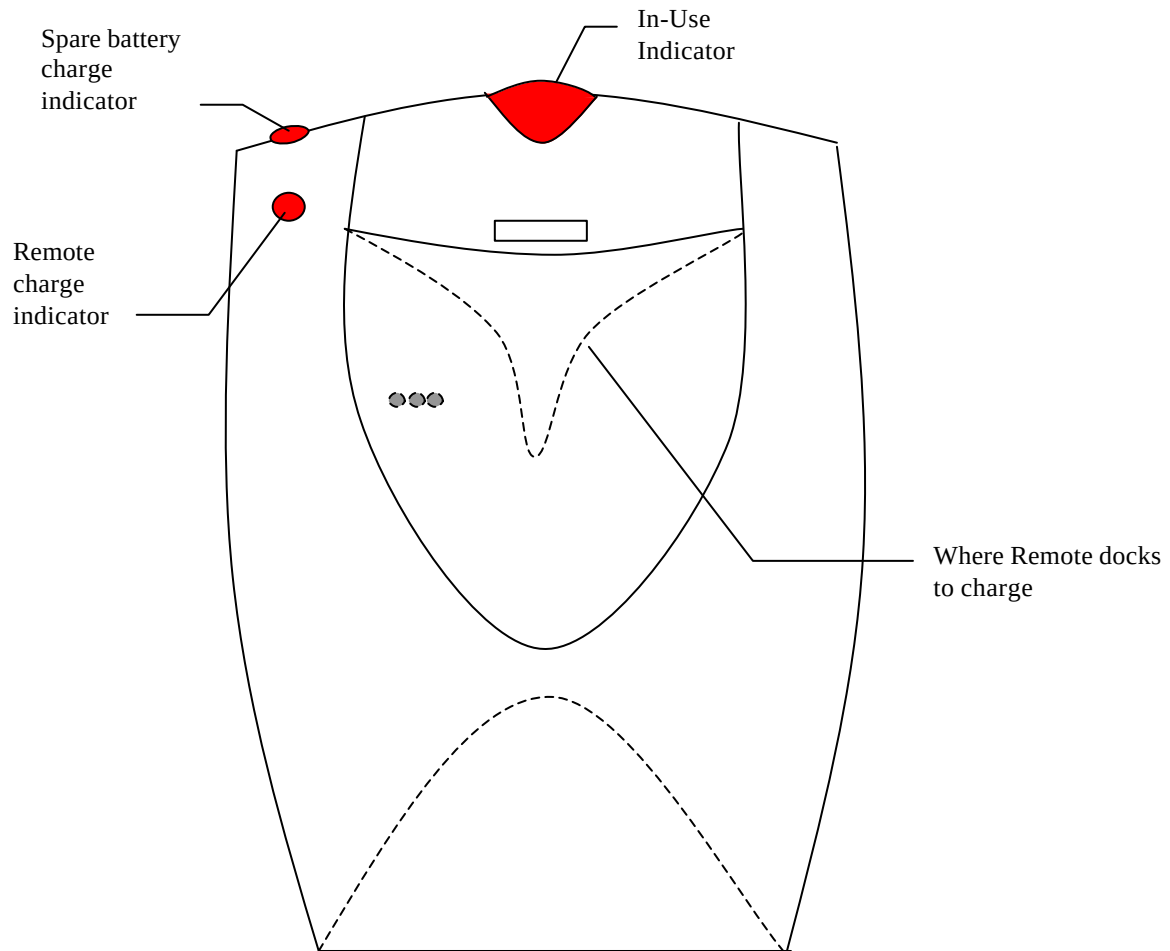
Battery Information

Battery Type	Nickel Metal Hydride (NiMH) 3.6 V 500 mAH
Capacity on-line	Fully charged battery provides 6 hours of talk time
Capacity off-line	Fully charged battery provides 80 hours
Recharging Time	Maximum of 3 hours
Battery Life	2 years if battery is recharged when not in use

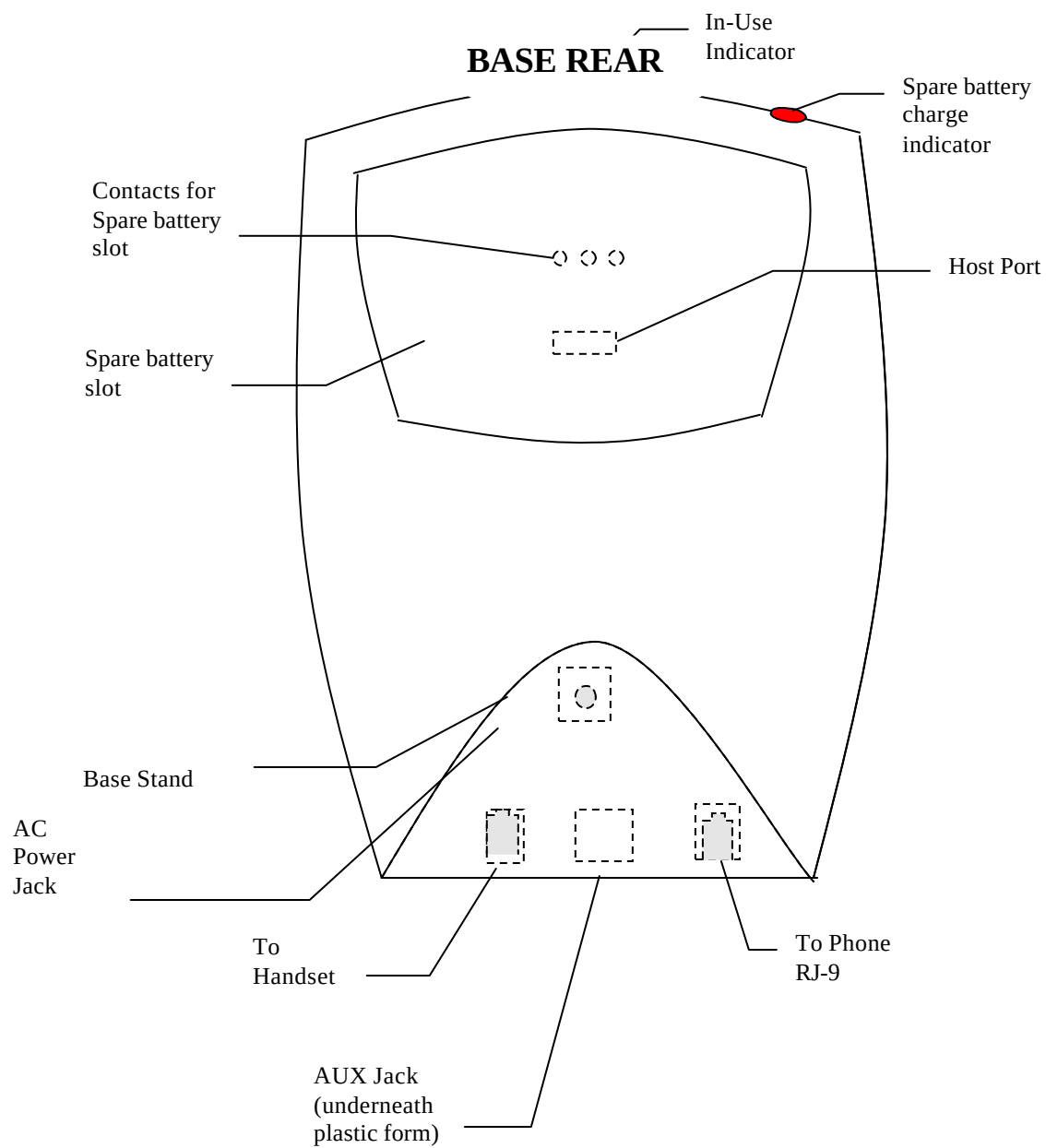
Basic Feature Set:

- 2.4GHz, Digital FH-SST radio system
- Up to 150 feet range from base station
- Minimum of 50 concurrent users in one location w/ encryption/ security.
- System continuously checks link availability and generates a “no link” beep in the belt unit in the event the base unit and belt unit cannot communicate.
- 6 hours minimum portable talk time with standard battery
- 12 hours minimum talk time with optional spare battery
- Connects to almost any type of telephone set via the handset port (RJ-9 port)
- Transmit volume adjustable at base unit (8 steps) via up/down buttons
- Receive volume (loudness) adjustable at portable unit (8 steps) via volume up/down controls
- Belt unit has a mute button
- Base unit docks and charges the belt unit and can also charge a second spare battery
 - Fast charging allows batteries to fully charge within 3 hours maximum.
- ON/OFF switch located on remote.
- Beep tones are used in the belt unit (earpiece of the headset) to indicate low battery, mute, max and min volume and out of range
- Base unit has LEDs to indicate charging status, in-use indication
- Compatible with REDIline and GN Netcom handset lifter accessory

BASE FRONT



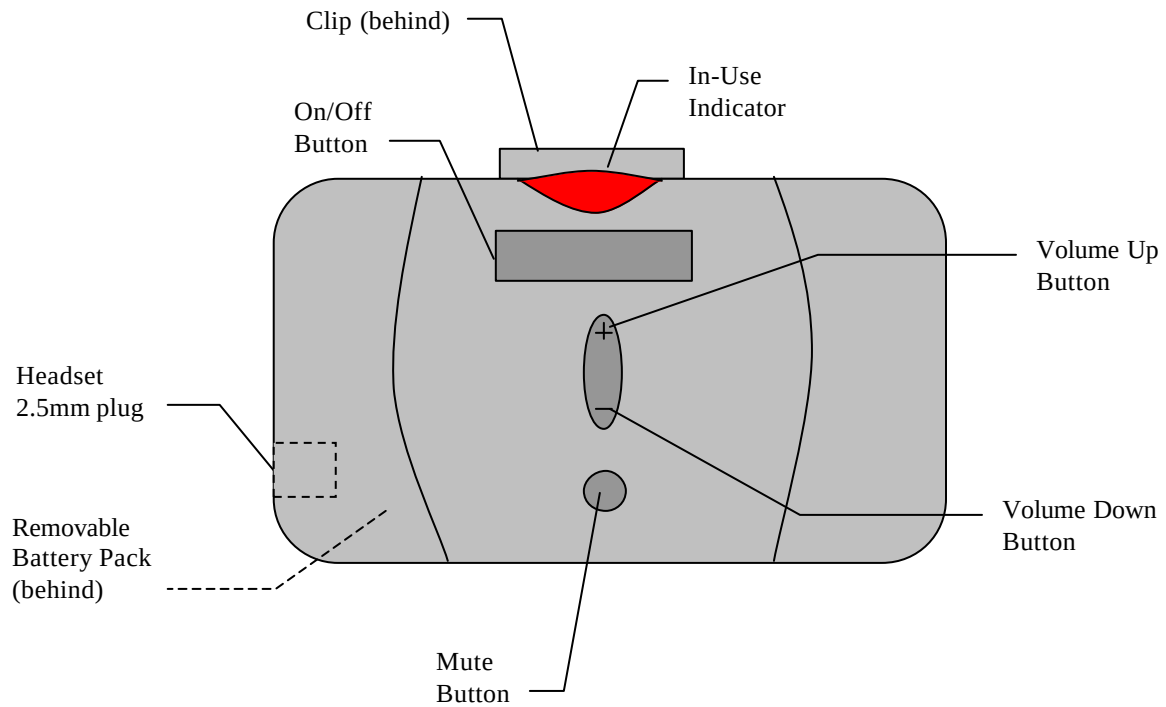
GN 9050 Beta User Manual



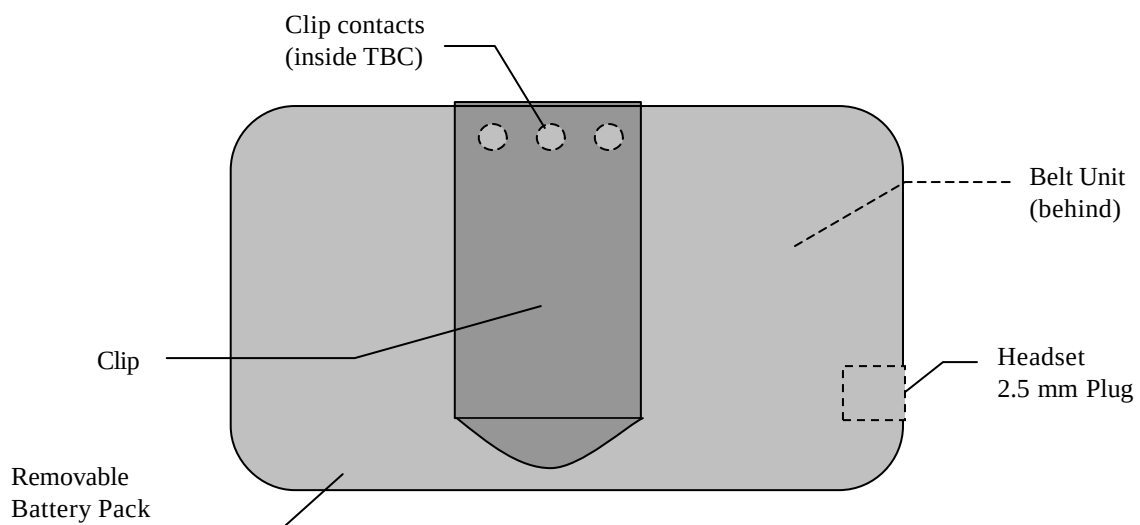
The base unit contains the following Indicators/Buttons/Switches/Controls:

- Status Indicator: This indicates Base unit link status. The LED will be constant when a link is established and while in headset mode.
- Remote unit Charge Indicator: This is a red/green LED that indicates red when charging and green when fully charged.
- Spare Battery Charge Indicator: This is a red/green LED that indicates red when charging and green when fully charged.
- Transmit Switch: This is a single, 8-position sliding switch that allows the user to fine tune their transmit level. 1= low 8 = high.
- Telephone Compatibility Switch: 8-position compatibility switch configures the 9050 to telephone it will be used with. Allows for user to Connection used for manufacturing and test purposes.
- Tone/Bass Control: Allows the user to choose between tone and bass balance for receive volume.

BELT UNIT, FRONT



BELT UNIT, REAR



The Remote unit contains the following Indicators/Buttons/Switches/Controls:

- ““ON/OFF/Handset Lifter” Button: This button attempts to initiate a voice link or terminates a link depending on the current link state as well as serves as the handset lifter control button that raises and lower the handset on the telephone when using it with the optional GNN handset lifter or Hello Direct ReadiLine.
- “VOL UP” & “VOL DOWN” Buttons: These buttons control the receive volume level in eight steps.
- “MUTE” Button: This button mutes the transmit path of the microphone.

Battery State:

Both the belt unit battery charger and the spare battery charger will employ smart battery charging techniques to allow shorter recharging times. Each recharging circuit will have a corresponding charge LED to indicate charge status.

CHARGE INDICATOR	DESCRIPTION
OFF	– Battery not present / not charging
RED	– Recharging
GREEN	– Fully charged

Setting Up

1. **Connect all Cords.**

Unplug the handset cord from the base of the telephone. Plug the Interface cord into the vacated handset cord port on the telephone. The location of this port is different for each phone and is often on the underside of the phone. Some



telephones must be programmed for headset use.

2. **Attach the Base Stand.**

Carefully insert the three plastic clips into the vacant base station holes.

3. **Attach the battery to the remote:**

Press the two buttons located on the side of the battery while carefully inserting the plastic tabs into the remote. You should hear it click into place.



4. **Connect the Headset to the Remote.**



5. **Charge the Remote**

Slide the Remote into the Charger on either side of the base station. The Battery Charge light on the front of the base station illuminates. Charge the battery for a full three hours. You may use the handset while the battery charges.

Note: Battery Charge Indicator blinks green when battery is fully charged.



6. **Using the Headset**

Press the On/Off Headset Handset button to put the system in headset mode. The headset mode light on the top of the remote blinks and the In Use indicator on the base station illuminates.

7. Put the headset on and select a telephone compatibility setting until dial tone is clear. If dial tone is clear for both A and G set to A.

8. Remove the handset and make a call. While switching between the headset and the handset, adjust the transmit (microphone) setting until your voice is the same volume on both devices. (1 is softest, 8 is loudest)



9. Use the remote to adjust the receive (speaker) volume. IF your telephone has volume control, set it to mid-range.

10. To roam up to 150 from the base, remove the remote from the base station and clip it to your belt, pocket or shirt.

Cautionary Notes to Computer Users:

When using any headset with a computer, care should be taken in dry or low humidity environments to protect the user from electrostatic discharge from the monitor (CRT). Computer monitors can induce a substantial electrostatic charge when turned on or off, or when there is a power failure, and the resulting electrostatic discharge can be passed through the headset to ground. A user in close proximity to or touching the computer may feel a common "shock" sensation, similar to touching a door knob after walking across a carpet, causing no harm to the user. This discharge is entirely due to the computer monitor, the headset is merely the shortest path to ground.

To minimize the possibility of electrostatic discharge through the headset, you can

- Use a grounded screen in front of the monitor.
- Use static dissipative wrist straps.
- Increase the relative humidity in the room to 60% or more.
- Install static dissipative carpets or floor covering.
- Remove the headset before turning the computer on or off.

GN Netcom, Inc. products meet all OSHA, UL, FCC and CSA standards.

FCC Notice to Users:

The 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 instruction, may cause harmful interference to radio communication.

The user must place the base 8"(20cm) or more from any personnel in order to comply with FCC RF exposure requirements.

However, there is no grantee 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.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS

EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

1. This equipment is compliant with Part 68 of the FCC Rules. On the Base station of the equipment, is a label that contains, among other information, the FCC registration number for this equipment. If requested, this information must be provided to the Telephone Company.
2. The device **may not** be connected directly to the telephone network, but must connect to a FCC registered telephone.
3. If this device is malfunctioning, it may also be causing harm to the telephone network. The device should then be disconnected until the source of the problem can be determined and until repair has been made. If this is not done, the Telephone Company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not 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.
4. The Telephone Company may make changes in its facilities, equipment, operations and/or procedures that may affect the operation of this equipment. If this happens, the Telephone Company will provide advanced notice in order for you to take the necessary steps to maintain uninterrupted service.
5. If the telephone company request information on what equipment is connected to their lines, inform them of:
 - (a) The telephone number that this unit is connected to.
 - (b) The FCC Registration Number 1LSTXNAN-9050. (indicated on the label).
6. In the event of equipment malfunction, all repairs should be performed by our Company or an authorized agent. It is the responsibility of users requiring service to report the need for service to our Company or to one of our authorized agents. Service can be obtained at:

GN Netcom, Inc.
77 Northeastern Boulevard
Nashua, NH 03062
1-800-826-4656

Industry Canada Notice to Users:

The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirement as prescribed in the appropriate Terminal Equipment Technical Resource Document(s). The department does not guarantee the equipment will operate to the user's satisfaction.

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. The customer should be aware that compliance with the above conditions might not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative 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 electric inspection authority, or electrician, as appropriate.

NOTICE: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination of 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 5. This device requires a radio license, unless it (including antenna) is installed totally inside a building. (User must obtain this license from Industry Canada.)

Warranty:

GN Netcom, Inc. warrants this product against all defects in material and workmanship for a period of two years from the date of original purchase. The conditions of this warranty and our responsibilities under this warranty are as follows:

- The warranty is limited to the original purchaser.
- The warranty is void if the serial number, date code label or product label is removed, or if the product has been subject to physical abuse, improper installation, modification, or repair by unauthorized third parties.
- The responsibility of GN Netcom, Inc. under this warranty shall be limited to the repair or replacement of the product at the sole discretion of GN Netcom, Inc.
- Any implied warranty on GN Netcom, Inc. products is limited to one year from the date of purchase on all parts, including the cords and connectors. Specifically exempt from warranty are limited-life consumable components subject to normal wear and tear, such as microphone windscreens, ear cushions, ear tips, decorative finishes, batteries, and other accessories. GN Netcom, Inc. is not liable for any incidental or consequential damages arising from the use or misuse of any GN Netcom, Inc. product.
- A copy of your receipt or other proof of purchase is required. Without proof of purchase, your warranty is defined as beginning on the date of manufacture as labeled on the product.
- This warranty gives you specific legal rights and you may have other rights, which vary, from location to location.

Unless otherwise instructed in the User Guide, the user may not, under any circumstances, attempt any service, adjustments or repairs on this unit, whether in or out of warranty. It must be returned to the factory or authorized service agency for all such work.

To Obtain Service:

For customer service and technical support, call GN Netcom, Inc. at **1-800-826-4656 or 1-603-598-1100.**

Ship the product in a suitable shipping container, fully insured and with the shipping charges prepaid.

Include the following with the product:

- Your name, company name, address and telephone number.
- A description of the problem.
- A copy of the receipt or other proof of purchase (without proof of purchase, your warranty will be defined as beginning on the date of manufacture as labeled on the product).

Or, for out of warranty products:

- A purchase order which authorizes repair.

In-warranty products are warranted for one year from the repair date or for the remainder of the original warranty period, whichever is longer.

Out-of-warranty products will be repaired or replaced at the prevailing charge and carry a one-year warranty from repair date.

GN Netcom, Inc. will not assume any responsibility for any loss or damage incurred in shipping. Any repair work on GN Netcom, Inc. products by unauthorized third parties voids any existing GN Netcom, Inc. warranty.

Ship To:

In U.S.A.

**GN Netcom, Inc. • 77 Northeastern Boulevard
Nashua, NH 03062 • 1-800-826-4656**

In Canada

**GN Netcom, Inc. • 1515 Matheson Blvd. • Unit 104
Mississauga, Ontario L4W 2P5 • 416-620-1440**

In Latin and South America

Please ship to the distributor from whom you purchased the product.