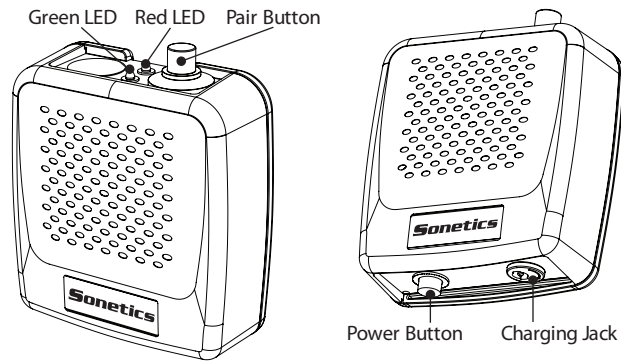
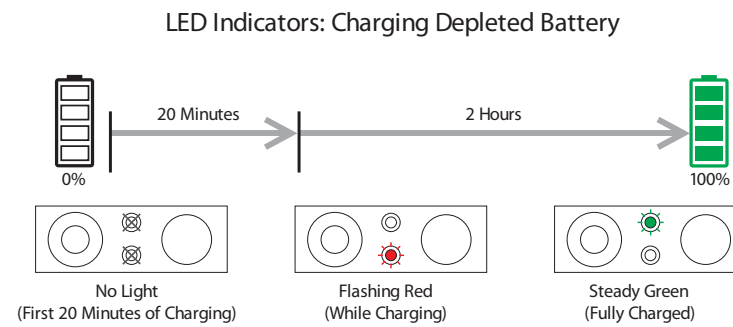


MiniHub™ FEATURES



BATTERY INDICATORS

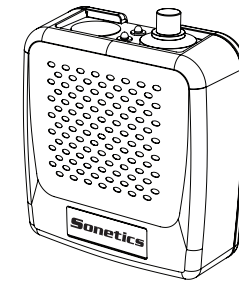


PAIRING

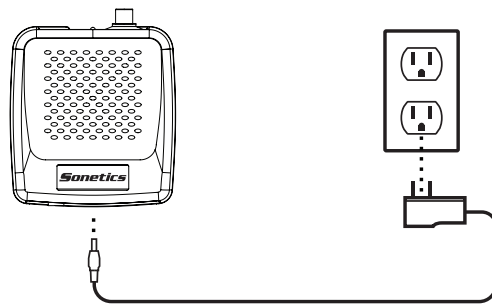
WARNING

To avoid unpairing of existing Headsets, previously paired Headsets must be ON and connected before pairing a new Headset.

A Press and hold the pairing button while turning on power to the MiniHub. After 5 seconds the green and red LEDs will start flashing in a fast alternating pattern. Release the pairing button.

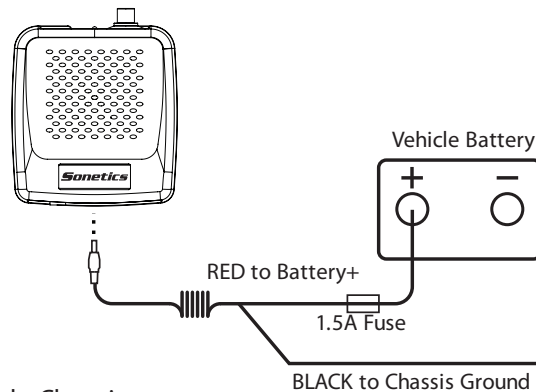


CHARGING & INSTALLATIONS



Wall Adapter Charging

Only charge the MiniHub using the supplied 12VDC regulated wall adapter. Using unregulated wall adapters will damage the Base Station charging circuit and components and void the warranty.



Vehicle Charging

Note: Make fuse no further than 18" from the battery.
Note: Only replace fuse with the same type, 1.5A AGU.

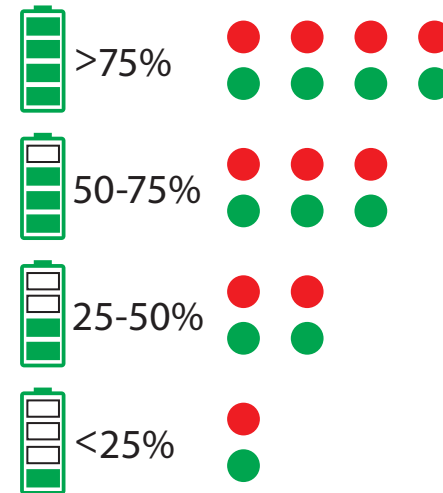
1. The unterminated end of the supplied charging cable assembly and fuse assembly must be wired to the vehicle per the diagram above.
2. Observe correct polarity when connecting the charger cable to 12V from the vehicle. Connect the RED wire to +12V and the BLACK wire to battery chassis ground. This will result in a positive center terminal of the charger jack as shown in the illustration.



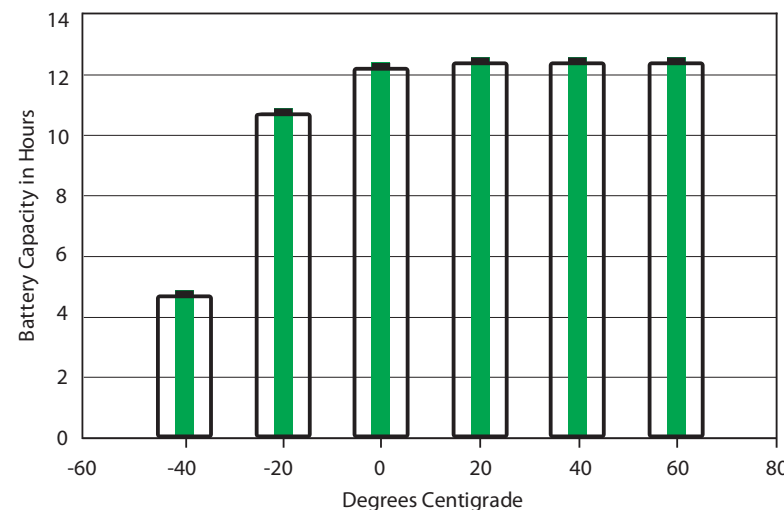
3. Charge MiniHub completely before use with 12V vehicle power supply or supplied wall mount charger.
4. For maximum battery shelf life, turn OFF the MiniHub.

Battery Level Indicator

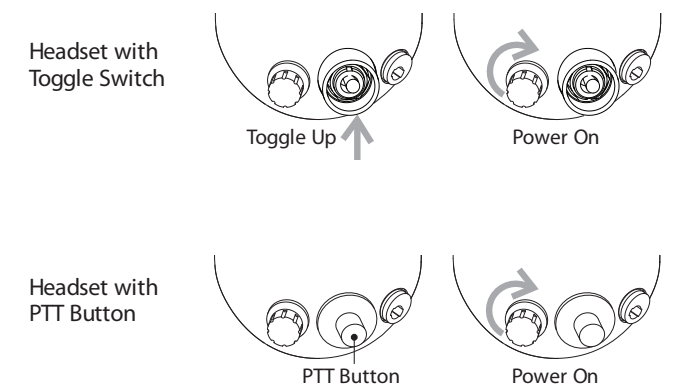
Number of RED and GREEN Flashes at Turn ON



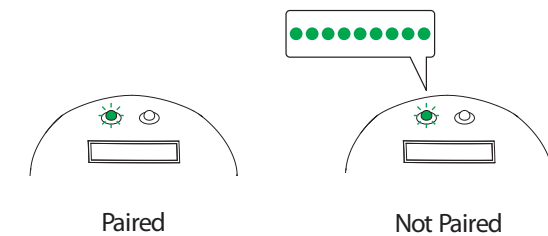
Battery Life vs Temperature



B To pair to the MiniHub; hold PTT button down on the Headset (on Toggle Headsets; hold toggle switch up) and then turn power ON. When both Red/Green Headset LEDs are alternating, release the PTT button (on Toggle Headsets; release toggle switch). The Headset will connect to MiniHub within 30 seconds.



C When the Headset Green LED remains steadily ON the headset is successfully paired to the MiniHub. If the Headset Green LED flashes rapidly then repeat the pairing procedure.



WARRANTY

Sonetics Standard Limited Warranty

Sonetics Corporation ("Sonetics") warrants to the original purchaser of its products that products will be free from defects in materials and workmanship under normal and proper use for the period of one (1) year from date of purchase.

Sonetics Corporation will repair or replace, at its option, any products showing factory defects during this warranty period, subject to the following provisions and obligations:

1. This warranty applies only to a new product sold through authorized channels of distribution.
2. All work under warranty must be performed by Sonetics Corporation.
3. All returned products must be shipped to our address, freight prepaid and Sonetics will return products to customer via ground freight. Any expedite fees or additional freight charges will be charged to customer.
4. Any attempt to repair, service, or alter the product in any way voids this warranty.
5. This warranty does not apply in the event of accident, abuse, misuse, liquid contact, improper installation, unauthorized repair, tampering, modification, fire, earthquake, or damage from other external sources – including damage caused by user-replaceable parts.
6. This warranty does not apply: (a) to consumable parts such as batteries, ear seals, intercom bags, cables, external power supplies, parts listed as accessories to a system, or other parts designed to diminish in function over time unless a failure is due to a defect in materials or workmanship; (b) to cosmetic damage or to defects caused by normal wear and tear or aging of the product; (c) to damage caused by use with non-Sonetics products; (d) to damage caused by operating the product outside the permitted or intended uses or environments described by Sonetics; (e) to damage caused by service performed by anyone who is not a representative of Sonetics or an Sonetics Authorized Service Provider; (f) to a product or part that has been modified without the written permission of Sonetics; (g) if any Sonetics serial number has been removed or defaced.
7. This warranty does not extend to any other equipment, apparatus, vehicle, aircraft, or watercraft to which this product may be attached or connected.

THE FOREGOING IS YOUR SOLE REMEDY FOR FAILURE IN SERVICE OR DEFECTS. SONETICS CORPORATION SHALL NOT BE LIABLE UNDER THIS OR ANY IMPLIED WARRANTY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, NOR FOR ANY INSTALLATION OR REMOVAL COSTS OR OTHER SERVICE FEES. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS OF USE, WHICH ARE HEREBY EXCLUDED. TO THE EXTENT THAT THIS EXCLUSION IS NOT LEGALLY ENFORCEABLE, THE DURATION OF SUCH IMPLIED WARRANTIES SHALL BE LIMITED TO ONE (1) YEAR FROM DATE OF PURCHASE. NO SUIT FOR BREACH OF EXPRESS OR IMPLIED WARRANTY MAY BE BROUGHT AFTER ONE (1) YEAR FROM DATE OF PURCHASE.

Subject to the terms and limitations of this Sonetics Standard Limited Warranty, this warranty covers any new covered product found to be defective within the applicable warranty period. Sonetics reserves the right to examine the alleged defective covered product to determine whether this Sonetics Standard Limited Warranty is applicable, and final determination of warranty coverage lies solely with Sonetics. If Sonetics determines that warranty coverage applies, Sonetics reserves the right to either repair or replace a covered product or any part thereof, as determined by Sonetics in its sole discretion. If the product has been subjected to conditions which exclude coverage under the warranty, customer will be so advised. Customer may then authorize paid repair service or other disposition of the product. Notwithstanding any other provision of this warranty, if you sell or otherwise transfer ownership of your covered product, this Sonetics Standard Limited Warranty shall automatically terminate.

SPECIFICATIONS

FCC/IC Compliance

This device complies with FCC Part 15 Rules and IC RSS-213 Rules. Operation of this is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference that may be received, including interference that may cause undesired operation.

FCC/IC RF Exposure Warning

- This product complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- This product may not be collocated or operated in conjunction with any other antenna or transmitter.
- To comply with FCC RF exposure requirements, the base unit must be installed and operated 20cm (8 inches) or more between the product and any person's body (excluding extremities of hands, wrist and feet).

Technical Spec

Weight..... 0.5lb (0.23 Kg)

RF

- Range: 1600 feet line of sight
- Digital encoding for secured communications
- Any combination of up to 60 radio-transmit and non-radio transmit headsets connected to single and multiple headset bases can operate simultaneously, in close proximity to each other, with interference free communications.

Power

- 3.7V rechargeable lithium polymer battery
- >12 hours battery life when operating @25° C
- Over voltage, under voltage, over current and over temperature protection
- AC Charge source: supplied 12v, 500mA wall charger
- DC Charge source: 5v to16v, 1.5A minimum
- Charge time: 2 hours

Environmental

- Operating temperature -40° F (-40° C) to +158° F (+70° C)
- Storage temperature -40° F (-40° C) to +185° F (+85° C)
- Charging Temperature 32° F (0° C) to +104° F (+40° C)

MIL SPEC

- Humidity per MIL-STD 810F and 810G
- Temperature Shock per MIL-STD 810F and 810G
- Chemical Exposure per MIL-STD 810F and 810G

SAE

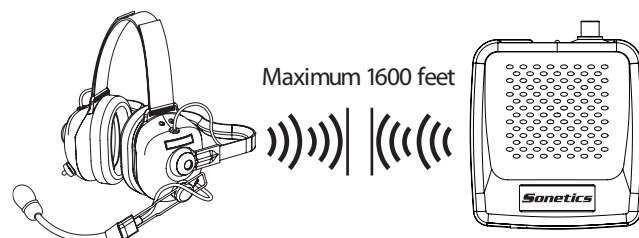
- Salt Spray per J1455, Sec. 4.3
- Conducted Immunity per J1113-11
- Electrostatic Discharge per J1113-13
- Radiated Emissions per J1113-41
- Radiated Immunity per J1113-21

ISO

- Conducted Transients per 7637-2

Service phone: 503-684-7080 • Service email: service@soneticscorp.com

OUT OF RANGE



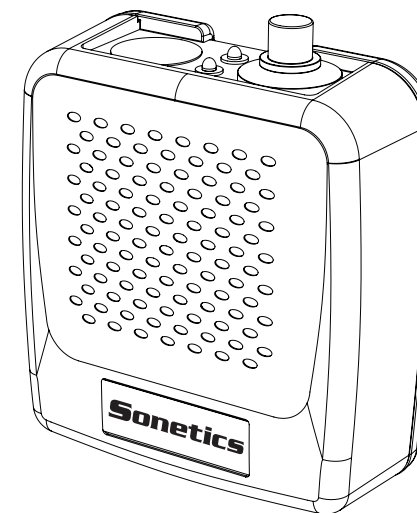
- When approaching range limit, headset beeps 1 time every 10 seconds before losing LINK to MiniHub.
- Beep stops when user returns into range

Automatic Sleep

If the MiniHub does not reconnect to the Headset within 5 minutes, it will enter a low power mode. Cycle power ON to the MiniHub in order to reconnect the link to the Headset.

User Manual

SON114MH Wireless 4-Person MiniHub™



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600-3016-00 RevB

NOTES