**HEADSET FEATURES**

Wall Adapter Charging
Only charge the Headset using the supplied 12VDC regulated wall adapter. Using unregulated wall adapters will damage the Headset 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 Headset completely before use with vehicle power 12V supply or supplied wall mount charger.

4. For maximum battery shelf life, turn OFF the Headset.

**CHARGING & INSTALLATIONS**

**BATTERY INDICATORS**

Wall Adapter Charging

Vehicle Battery

1.5A Fuse

BLACK to Chassis Ground

**PAIRING**

A. With power ON to Base Station, press the “Pair” button until a Yellow LINK(S) LED’s flash.

B. To pair Headset to Base Station; hold toggle switch UP, then turn power ON to Headset or hold PTT button down on the dome while turning power ON to Headset. When BOTH Red/Green Headset LED’s are alternating, release toggle switch or PTT button. Headset will connect to base in 30 seconds.

C. When the Headset Green LED remains steadily ON the headset is successfully paired to the base. If the Headset Green LED flashes rapidly then repeat the pairing procedure.
**OUT OF RANGE**

- **Maximum 1600 feet**

**SPECSIFICATIONS**

**Noise Reduction**

This Firecom Headset provides 24dB noise attenuation when properly fitted. Any modification to the Headset will reduce the Headset performance and hearing damage could occur. Always wear hearing protectors in areas that have been identified as high noise locations.

Federal law requires the following statements:

"Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire."

- The level of noise entering a person's ear when a hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example:

1. The environmental noise level as measured at the ear is 92dBA.
2. The NRR is 24dB.
3. The level of noise entering the ear is approximately equal to 92dBA – NRR = 68dB.

"For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used."

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

**FCC RF Exposure Warning**

- This product complies with FCC radio frequency exposure limits set forth for an uncontrolled environment.
- This product may not be co-located or operated in conjunction with any other transmitter.
- This headset has been tested and meets the FCC RF exposure guidelines. Max. SAR is 0.003 W/kg.

**Technical Spec**

- **Weight (Over the Head):** 1.3lb (0.58 Kg)
- **Weight (Behind the Head):** 1.2lb (0.53 Kg)
- **RF:**
  - Range: 1600 feet open field
  - Digital encoding for secured communications
  - Interference free communications for up to 60 headsets operating in close proximity
  - AC Charge source: supplied 12v, 500mA wall charger
  - DC Charge source: 5v to 16v, 1.5A minimum
  - Charge time: 2 hours
  - Power:
    - 3.7V rechargeable lithium polymer battery
    - >24 hours battery life when operating 825°C
    - Over voltage, under voltage, over current and over temperature protection
    - 4D Charge source: supplied 12v 500mA wall charger
    - DC Charge source: 5v to 16v, 1.5A minimum
    - Charge time: 2 hours
  - Environmental:
    - IP-65 rated, when worn
    - Operating temperature: -40°F (-40°C) to +158°F (+70°C)
    - Storage temperature: -40°F (-40°C) to +158°F (+70°C)
    - Charging temperature: 32°F (0°C) to +104°F (+40°C)
  - MIL SPEC:
    - Humidity per MIL-STD B101F and B10G
    - Temperature Shock per MIL-STD B101F and B10G
    - Chemical Exposure per MIL-STD B101F and B10G
  - SAE:
    - Salt Spray per J1455, Sec. 4.3
    - Vibration per J1455 Sec. 4.9
    - Conducted Immunity per J1133-11
    - Electrostatic Discharge per J1133-13
    - Radiated Emissions per J1133-41
    - Radiated Immunity per J1133-21
- **ISO:** Conducted Transients per 7637-2

**User Manual**

Wireless Headsets

UWH-Series Under the Helmet • FHW-Series Over the Head

**Warranty**

Two-Year Limited Warranty to the Original Purchaser

See addendum for full warranty details.

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To Order Firecom Accessories:
Visit www.firecom.com
Call: 1-800-527-0555

**Maintenance**

**FIRMWARE**

- Update Firmware

**USER SETTINGS**

- Power On

**Programmable Squelch**

- Power On

**WARNING**

- Never immerse any part of the headset in water.

**Ear seals and mic muff removal**

- For -57 headsets with toggle switch, to save the setting, cycle power.
- For -57 headsets with toggle switch:
  - To change squelch settings of the bottom position: Press the toggle DOWN to change the setting to the next range and view the number of GREEN LED flashes. Once the squelch setting reaches level 9, the next position will return to level 1.
- To change squelch settings: press toggle switch UP or hold PTT button down on the dome turn ON the Headset.
- Release toggle switch or PTT button when the GREEN LED lights, watch the RED LED; it will flash the current squelch setting (i.e. 5 flashes=squelch setting 5).

**WARNING**

- While holding the toggle switch or hold PTT button down on the dome turn ON the Headset.

- Turn Headset OFF.
- Turn ON Headset and connect to the Base Station.
- Turn HEAD flashes. Press the toggle UP or press the PTT button to change the setting (i.e. 5 flashes=squelch setting 5).
- Turn ON the Headset.
- While holding the toggle switch UP or hold PTT button down on the dome turn ON the Headset.

**WARNING**

- Holding the toggle switch during turn ON for longer than 5 seconds will repair the Headset from the Base.

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

**Automatic Sleep**

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

**Environmental**

- IP-65 rated, when worn
- Operating temperature -40°F (-40°C ) to +158°F (+70°C )
- Storage temperature -40°F (-40°C ) to +158°F (+70°C )
- Charging temperature 32°F (0°C) to +104°F (+40°C)
- AC Charge source: supplied 12v, 500mA wall charger
- DC Charge source: 5v to 16v, 1.5A minimum
- Charge time: 2 hours
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  - 3.7V rechargeable lithium polymer battery
  - >24 hours battery life when operating at 825°C
  - Over voltage, under voltage, over current and over temperature protection
  - 4D Charge source: supplied 12v 500mA wall charger
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  - Radiated Immunity per J1133-21
- ISO:
  - Conducted Transients per 7637-2

- For -57 headsets with toggle switch:
  - To change squelch settings of the bottom position: Press the toggle DOWN to change the setting to the next range and view the number of GREEN LED flashes. Once the squelch setting reaches level 9, the next position will return to level 1.

- For -57 headsets with toggle switch, to save the setting, cycle power.

- To change squelch settings: press toggle switch UP or hold PTT button down on the dome and count the number of RED LED flashes. Press the toggle UP or press the PTT button to change the setting to the next range and view the number of RED LED flashes. Once the toggle switch setting reaches level 9, the next position will return to level 1.

- To change squelch settings: press toggle switch UP or hold PTT button down on the dome and count the number of RED LED flashes. Press the toggle UP or press the PTT button to change the setting to the next range and view the number of RED LED flashes. Once the toggle switch setting reaches level 9, the next position will return to level 1.

**WARNING**

- Never immerse any part of the headset in water.

**Ear seals and mic muff removal**

- For -57 headsets with toggle switch: To change squelch settings of the bottom position: Press the toggle DOWN to change the setting to the next range and view the number of GREEN LED flashes. Once the squelch setting reaches level 9, the next position will return to level 1.

- G To save the setting, cycle power.