

UHW-10/20 FHW-10

HEADSETS WIRELESS



No wires, no plugs, just crystal clear, mission-critical communication with Firecom's new wireless headset and base station. First responders

No Plug Just Play.

are now able to connect to the in-cab intercom system and vehicle radios with critical, on-scene communication using the wireless headset. The headset is ideal for command vehicles, on-scene first responders and ambulance attendants. The wireless headset has two base station configurations. The single headset base station uses one radio transmit headset. The multiple headset base station works with up to four non-radio transmit headsets. The system allows up to 40 wireless headsets to work with any combination of base stations in close vicinity to each other.



UHW-10/20 Headset



Single Headset Base Station



Multiple Headset Base Station

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Single Headset Base Station

The single headset base station accommodates a single UHW/FHW series radio transmit wireless headset. The base station can be connected via a 6 conductor flat RJ-6 cable to any headset port on Firecom's 30XXR series intercom. The base station will provide full duplex audio communication between the wireless headset and the intercom as well as PTT communication through the apparatus mobile radio.

Multiple Headset Base Station

The multiple headset base station accommodates up to four UHW/FHW series non-radio transmit wireless headsets. The base station can be connected via a 6 conductor flat RJ-6 cable to any headset port on Firecom's 30XXR series intercom. The base station will provide full duplex digital audio communication between the wireless headset and the intercom. Any combination of up to 40 radio-transmit and non radio-transmit headsets connected to single and multiple headset bases can operate simultaneously, in close proximity to each other, for interference free communications.

Firecom's wireless headset enhances communication and delivers vital hearing protection. Firecom's protective design reduces ambient noise and meets NFPA 1500 standards.

Easy to use, efficient, durable and now wireless.

FHW-10 Headset



Warranty

All Firecom products are protected with a two-year limited warranty.

Specifications

Headsets

Sensitivity	104dB re 20uPa @ 1000 Hz, 1 mW
Frequency Response	300Hz - 3.4 KHz, +/- 3dB
Impedance	32 ohms nominal
Weight (UHW-10/20)	17.80z
Weight (FHW-10)	19.50z

Microphone

Frequency Response	Optimized for speech clarity and noise reduction
Max. Amb. Noise Level	125dB SPL re 20uPa
MIC Sensitivity	-44 +/- 5db, 0dB=1v/Pa
DC Bias	Internally Biased
Frequency Range	300Hz - 3.4KHz
Noise Canceling	approx. 6.25 db/octave from 3.4 KHz down to 300 Hz
S/N Ratio	60db minimum
Impedance	Internally matched

RF

- Range: 1100' open field, 100' minimum. Typical fire scene range is 300-500 feet depending on where the base station is installed on a fire or emergency apparatus.
- Digital encoding for secured communications
- Interference free digital communications for up to 40 headsets operating in close proximity
- Immunity to interference from other communication devices operating in the entire frequency spectrum from 30 MHz-18 GHz

FCC Compliance

This device complies with FCC Rules Part 15. Operation 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.

Power

- 3.7V rechargeable lithium ion battery
- 8-10 hours of talk time
- Cycle life 500 cycles minimum
- Over voltage, under voltage, over current and over temperature protection
- Charge source 12V nominal (11-16v). 0.25A minimum
- Charge time 3 hours maximum from deeply discharged state

Environmental

- Operating temperature -10 to+70°C
- Storage temperature -25 to+85°C
- Meets standards SAE J1455 and J1113
- Chemical resistance corrosion and humidity per MIL-STD-810

Base Station Specifications

Electrical

- Power: Nominal 12V (11-16V)
- Current draw: 45mA average, 80mA peak
- Reverse voltage protection
- Immune to ESD and transients per SAE standard J1113
- EMC compatible per standard J1113

Mechanical

- Dimensions: 5.7" L x 2.6" W x 1.14" H
- Weight: 4.24 Oz (0.265Lb)

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Patent pending.



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