

### UHW / FHW 507.v2

DECT7 Bluetooth Wireless Headset with Radio Transmit

The most advanced Firecom yet, the rugged and durable 507.V2 gives command, crew, and dispatch instant communication with each other when crucial seconds count.

Depend on clear, reliable communication whether you're inside the truck, at the pump panel, on the ladder, positioning apparatus, assessing an extraction and more. The **UHW507** configuration conveniently fits under the helmet and the **FHW507** is convertible for either over-head or under-helmet.



**LISTEN-THROUGH SITUATIONAL AWARENESS**  
Stereo Listen-Through allows you to hear what's going on around you while protecting your ears from dangerous noise levels.



**DECT7® WIRELESS COMMUNICATIONS<sup>1</sup>**  
Clear, wireless communication for 2 to 20 users with up to 1600-foot (line of sight) range in high-definition, wideband audio.



**HEARING PROTECTION**  
Passive noise reduction eliminates unsafe noise.



**BLUETOOTH - ENABLED**  
Make a phone call, listen to music, or talk on your radio wirelessly via Bluetooth.



**NOISE CANCELING MICROPHONE**  
Be understood even in the loudest environments.



**RADIO TRANSMIT**  
Direct-wire interface with any mobile or portable radio with a Firecom PR Adapter (sold separately).



**AUTOMATIC LOUD NOISE SUPPRESSION**  
The 500-Series automatically limits high impulse noises such as gunshots from being transmitted to the user in Stereo Listen-Through mode.



**RUGGED**  
Built to withstand environmental extremes, the 500-Series is dust-proof and watertight.



**AUTO-LEVELING MICROPHONE**  
Be heard clearly as you move from low to high-noise areas.

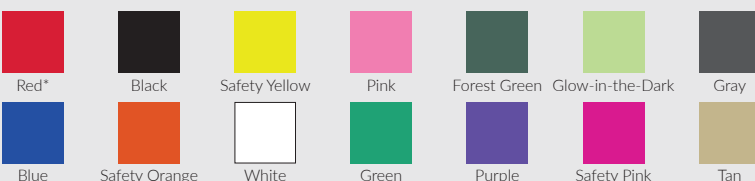


**AUTO ON / OFF**  
The UHW507 automatically powers on when disconnected from the charging cable. Auto off when headset is not in use.

<sup>1</sup> Requires Firecom DECT Base, ComHub or Minihub

### CUSTOMIZABLE RUGGEDIZERS

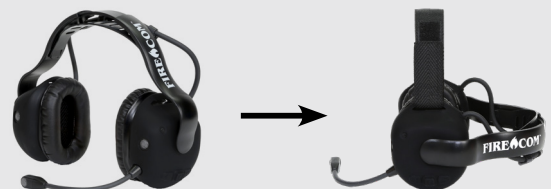
Easily configures to over-the-head or under-helmet styles  
Silicone ruggedizers for position or function ID. Available in 14 colors\*\*:



\*Red is the standard on all 507 & 505 headsets. Black is standard on all 503 headsets \*\*Custom colors available; min. order 50 pairs.

### CONVERSION FACTOR

The FHW507.V2 easily converts to either overhead or under-helmet wear.



# UHW/FHW 507.v2

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## FEATURES

### MOBILE DEVICE AND RADIO CONNECTIVITY

- Bluetooth A2DP audio streaming
- Connect to your MP3 player or phone directly via the auxiliary jack
- Make calls or listen to music while you work

### ROBUST DESIGN

- Flexible microphone boom
- 2-stage microphone cover eliminates wind noise
- Enhanced durability and comfort; designed to fit any head size
- IP66 Rating - dust-proof and sealed against salt spray and moisture
- Microphones protected by a layer of waterproof material for outdoor use
- High strength, tough, fatigue-resistant polymer for headband durability

### STATE-OF-THE-ART HEARING PROTECTION

- Sound suppressor reduces loud noise while enhancing other sounds
- Stereo Listen-Through microphones allow face-to-face conversation and situational awareness
- 24dB passive noise reduction rating (NRR)

### LONG-LASTING POWER SOURCE

- 24-hour rechargeable lithium-ion battery
- User-replaceable battery
- Energy-saver sleep mode: one year of shelf life without losing charge
- Simple on/off operation
- Power-on battery capacity LED indicator
- Audible and visual 2-stage low battery warning
- 110/220V DC battery charger included
- Heavy-duty 12V DC charging cable included

### TOTAL CONFIGURABILITY

- Features are custom programmable to user specifications
- Programmable microphone gain
- Voice prompts for easy feature navigation and feedback

### CUSTOMIZABLE

- Easily configures to over-the-head, under-helmet or hardhat clip-mounted styles
- Personalize and protect with silicone ruggedizers (available in 14 standard colors)

## 500 SERIES HEADSETS

Model	DESCRIPTION	RADIO Tx	Bluetooth	DECT7
<b>UHW507.v2</b>	Under-Helmet	✓	✓	✓
<b>FHW507.v2</b>	Both (convertible)	✓	✓	✓
UHW505.v2	Under-Helmet	✓		✓
FHW505.v2	Both (convertible)	✓		✓
UHW503.v2	Under-Helmet			✓

## SPECIFICATIONS

### DECT7 WIRELESS TECHNOLOGY

- Dynamic channel allocation
- DECT Standard Cipher with 35-bit initialization vector
- Frequency Bandwidth: 1920 MHz to 1930 MHz

### BLUETOOTH TECHNOLOGY

- Bluetooth 3.0 with secure simple pairing
- Frequency: 2400 MHz-2485 MHz
- Power: 2.4 mW / 4 dBm

### PHYSICAL

- Weight: 16 oz. (without ruggedizers)
- Color: Black
- Noise Reduction Rating: 24dB NRR
- Side Pressure: 2.2 lbs.

### POWER

- 3.7V rechargeable lithium-ion battery (18650 replaceable)
- More than 24 hours of battery life at 77°F (25°C)
- Charge time: 4 hours
- AC Charge Source: supplied 12V, 500mA wall charger
- DC Charge Source: 5V to 16V, 1.5A minimum, cable supplied
- Over voltage, under voltage, over current and over temperature protection

### ENVIRONMENTAL

- IP66 Rating
- Operating temperature -22°F (-30°C) to 140°F (60°C)
- Storage temperature -40°F (-40°C) to +185°F (+85°C)

### MIL

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

### SAE

- Salt Spray per J1455, Sec. 4.3
- Vibration per J1455, Sec. 4.9
- Conducted Immunity per J1113-11
- Electrostatic Discharge per J1113-11
- Radiated Emissions per J1113-41

### ISO

- Conducted Transients per 7637-2
- Quality Management System ISO 9001:2015



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FRE-PS-0022-A