

UHW / FHW 505.v2

DECT7 Wireless Headset with Radio Transmit

The most advanced Firecom yet, the rugged and durable 505.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 **UHW505** configuration conveniently fits under the helmet and the **FHW505** 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 COMMUNICATIONS¹

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.



RADIO TRANSMIT

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



NOISE CANCELING MICROPHONE

Be understood even in the loudest environments.



RUGGED

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



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.



AUTO ON / OFF

The UHW505 automatically powers on when disconnected from the charging cable. Auto off when headset is not in use.



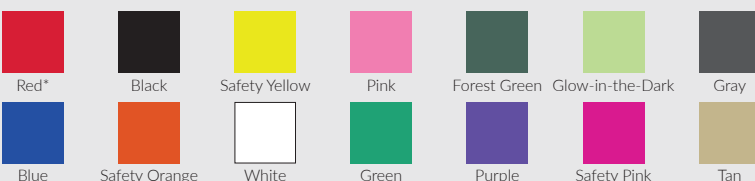
AUTO-LEVELING MICROPHONE

Be heard clearly as you move from low to high-noise areas.

¹ Requires Firecom DECT Base, ComHub or Minihub

CUSTOMIZABLE RUGGEDIZERS

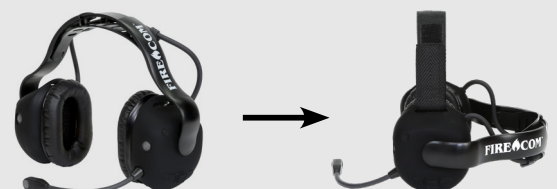
Easily configures to over-the-head or under-helmet styles
Silicone ruggedizers for position or function ID. Available in 14 colors**:



*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 FHW505.V2 easily converts to either overhead or under-helmet wear.



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FEATURES

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)

SPECIFICATIONS

DECT7 WIRELESS TECHNOLOGY

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

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 J1113-13
- Radiated Emissions per J1113-41

ISO

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

500 SERIES HEADSETS

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



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