

UHW505

**Radio Transmit
Under-Helmet DECT7
Wireless Headset**

DECT7
wireless



This rugged headset features DECT7 wireless technology for improved sound quality in the apparatus and on the fire scene. Extended range and coverage let you communicate clearly with crew members up to 1,000 feet from the apparatus.



FEATURES



DECT7® WIRELESS COMMUNICATIONS

Full-duplex crew communication. Integrates with the 5000D Series Digital Intercom and WB505R wireless base station for a complete apparatus communication system.



LISTEN-THROUGH SITUATIONAL AWARENESS

Hear your surroundings and have face-to-face conversations without removing your hearing protection.



RUGGED AND TESTED

Built to withstand environmental extremes, the UHW505 is ready for rain, water, mud or snow.



AUTOMATIC LOUD NOISE SUPPRESSION

The UHW505 automatically limits high impulse noises such as gunshots from being transmitted to the user in Stereo Listen-Through mode.



RADIO TRANSMIT

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



UNMATCHED AUDIO CLARITY

High-definition, wideband audio provides greater clarity and understanding of mission-critical communications.



AUTO-LEVELING MICROPHONE

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



NOISE CANCELLING MICROPHONE

Be understood even in the loudest environments.



HEARING PROTECTION

Passive noise reduction eliminates unsafe noise.



AUTO-ON

The UHW505 automatically powers on when disconnected from the charging cable.

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Radio Transmit Under-Helmet DECT7 Wireless Headset



FEATURES

ROBUST DESIGN

Flexible microphone boom
2-stage microphone cover eliminates wind noise
Enhanced durability and comfort; designed to fit any head size
Microphones protected by a layer of waterproof material for outdoor use

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

Silicone ruggedizers for position or function ID. Available in 14 colors**:



*Standard. **Custom colors available; min. order 50 pairs. Call.

SPECIFICATIONS

DECT7® WIRELESS TECHNOLOGY

Dynamic channel allocation
DECT Standard Cipher with 40-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
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

Operating temperature -22°F (-30°C) to +140°F (+60°C)
Storage temperature -4°F (-20°C) to +122°F (+50°C)
Charging temperature 32°F (0°C) to +113°F (+45°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 CISPR 25
Radiated Immunity per ISO 11452-2

ISO

Conducted Transients per 7637-2
Quality Management System ISO 9001:2008

FIRECOM 500-SERIES WIRELESS HEADSETS				
Model	Description	DECT7	Radio Tx	Bluetooth
FHW507	Radio Transmit Convertible with BT	•	•	•
UHW507	Radio Transmit Under-Helmet with BT	•	•	•
FHW505	Radio Transmit Convertible	•	•	
UHW505	Radio Transmit Under-Helmet	•	•	
UHW503	Intercom-Only Under-Helmet	•		
DW501BT	Wired Radio Transmit Under-Helmet with BT		•	•
DW501	Wired Radio Transmit Under-Helmet		•	



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