

UHW505

Radio Transmit Under-Helmet DECT7 Wireless Headset



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.

Auto-On activates the headset on removal of the charging cable. An automatic noise gate provides set-and-forget ease of use for seamless transitions between high- and low-noise situations. The new ergonomic design delivers enhanced comfort and wearability.



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.

RADIO TRANSMIT

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

AUTO-LEVELING MICROPHONE

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

HEARING PROTECTION

Passive noise reduction eliminates unsafe noise.

UNMATCHED AUDIO CLARITY

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

RUGGED AND TESTED

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

NOISE CANCELLING MICROPHONE

Be understood even in the loudest environments.

AUTO-ON

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

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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
 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
 20dB 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

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

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 standard colors)

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: 20dB 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 -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 9001:2008

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		•	

