500-SERIES WIRELESS HEADSETS

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.

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.

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

**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.

**24dB NRR**
Passive noise reduction eliminates unsafe noise.

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

**LISTEN-THROUGH SITUATIONAL AWARENESS**
Hear your surroundings and have face-to-face conversations without removing your hearing protection.

**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.

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

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

**AUTO-ON**
The UHW505 automatically powers on when disconnected from the charging cable.
UHW505 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**:

- Black*
- Red
- Green
- Forest Green
- Purple
- Yellow
- Safety Yellow
- Tan
- Blue
- Safety Orange
- Safety Pink
- Glow in the Dark
- White
- Grey
- Pink

*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

FIRECOM 500-SERIES WIRELESS HEADSETS

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