**FHW505**

Radio Transmit
Convertible 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.

The convertible headband allows easy switching between over the head and behind head wear.

**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 FHW505 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 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 FHW505 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 FHW505 automatically powers on when disconnected from the charging cable.
FHW505 Radio Transmit Convertible
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
- 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 or under-helmet styles
- Silicone ruggedizers for position or function ID. Available in 14 colors**: Black*, Red, Green, Forest Green, Purple, Safety Yellow, Tan, Blue, Safety Orange, Safety Pink, Glow in the Dark, White, Grey, Pink

**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

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**FIRECOM 500-SERIES WIRELESS HEADSETS**

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**CONVERTIBLE HEADBAND**
Switch easily between over the head and behind head wear.