

# FHW507

**Radio Transmit  
Convertible DECT7  
Bluetooth Wireless Headset**



The most advanced Firecom yet, the rugged and durable FHW507 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, outside at the pump panel, on the ladder or assessing an extraction.

## 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.



**BLUETOOTH-ENABLED**  
Make a phone call, listen to music, or talk on your radio wirelessly via Bluetooth.



**RUGGED AND TESTED**  
Built to withstand environmental extremes, the FHW507 is ready for rain, water, mud or snow.



**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 FHW507 automatically powers on when disconnected from the charging cable.

# FHW507 Radio Transmit Convertible DECT7 Bluetooth 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

### 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

Easily configures to over-the-head or under-helmet styles  
 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

### WIRELESS Bluetooth TECHNOLOGY

Bluetooth 3.0 with secure simple pairing  
 Frequency: 2400 MHz-2485 MHz  
 Power: 2.4 mW / 4 dBm

### 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
<b>FHW507</b>	<b>Radio Transmit Convertible with BT</b>	•	•	•
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		•	



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