



Keeping firefighters safe, effective & productive

Firecom 50 Series Wireless

FHW-51E OVER-HEAD STYLE HEADSET (1.8 GHz)

CONFIGURATION		
	Transmit	Receive
Intercom	Yes	Yes
Radio	PTT	Yes

The Firecom FHW-51E wireless headset with all-in-one design allows complete freedom of movement while maintaining hands-free, full-duplex communication with your crew. Operating at 1.8 GHz with a stand-alone intercom system or integrated with a mobile radio, the flexible design brings all crew members into constant communication. Broad padded headband remains comfortable for hours of wear. Water-resistant and comfortable ear seals, extended operating temperature, and robust design make this headset ready for action in virtually any fireground environment.

800m line-of-sight range

Eight times the distance and over 60 times the area of Bluetooth

Completely wireless and antenna-free

No external antennas to break or belt-pack wires to entangle the user

PTT radio, Full-duplex intercom

Red push-to-talk over radio button; full-duplex intercom and listen-only radio when button not engaged

Long-life battery

Operates 24 hours on a 2-hour charge with one-year charge retention, keeps the headset ready for use at all times

Meets all EU requirements:

EMC, safety, radio frequency emissions, acoustic shock, and personal protective equipment



Extended-range operating temperature

Rated from -40°C to +70°C, this headset works wherever you do

DECT wireless technology

Crystal-clear, interference-free, and secure communication compared to Bluetooth

Memory foam ComLeather ear seals

Fit comfortably for hours while delivering 24db noise reduction

Three-way adjustable boom

Precise microphone placement, comfort, and

Two-year warranty

FIRECOM

7340 SW Durham Rd. | Portland, OR 97224 USA | 1-503-684-6647 | fax: 1-503-620-2943 | www.firecom.com



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FEATURES

Exceptional range and security	Enhanced microphone
800m line-of-sight range	Flexible mic. boom with slide adjustment for accurate/secure positioning
DECT wireless encrypted	Microphone boom rotates for left or right dress
Audible out-of-range warning	Noise-cancelling electret microphone ensures optimal clarity
Long-lasting power source	Programmable microphone gain
24-hour rechargeable battery with 2-hour full charge time	Microphone protected by a layer of waterproof material for outdoor use
Energy-saver sleep mode: one year of shelf life without losing the charge	Microphone muff improves clarity by eliminating wind noise
Simple on/off operation	Total configurability
Power-on battery capacity indicator with dual LED indication	Full-duplex intercom plus listen-only radio in intercom mode
Audible and visual 2-stage low battery warning	Communicates over radio with 3-way toggle switch
State-of-the-art ear and hearing protection	Custom programmable to user specifications
ComLeather™ over memory foam ear seals for hours of comfortable use	Toggle momentary up for radio transmit, center position for full-duplex intercom, down position mutes intercom microphone
Enhanced durability and comfort, designed to fit any head size	Simple maintenance
24dB noise reduction rating (NRR)	Black domes for easy cleaning
IP65 rating for dust/water protection when worn	Black powder-coated headband for durability

SPECIFICATIONS

Physical	Environmental
Weight: 0.51kg	IP-65 rated, when worn
Color: Graphite Grey	Operating temperature -40°F (-40°C) to +158°F (+70°C)
Noise Reduction Rating: 24dB NRR	Storage temperature -40°F (-40°C) to +185°F (+85°C)
Performance	Charging Temperature 32°F (0°C) to +104°F (+40°C)
Range: 800m line-of-sight	SAE
Digital encoding for secure communications	Salt Spray per J1455, Sec. 4.3
Interference-free communications for up to 120 headsets per system	Vibration per J1455 Sec. 4.9
Power	Safety
3.7V rechargeable lithium polymer battery	IEC 60950-1: 2005 (2 nd ed.)
>24 hours battery life when operating @25°C	IEC 60950-1: 2006
Over-voltage, under-voltage, over-current and over-temperature protection	EMC
AC charge source: 12v, 500mA wall charger (sold separately)	EN 301 489-6 v.1.3.1
DC Charge source: 5v to16v, 1.5A minimum (sold separately)	Radio
Charge time: 2 hours	EN 301 406 v.2.1.1
ISO	SAR
Conducted Transients per 7637-2	ANSI/IEEE Std. C95.1-1992

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