



Keeping firefighters safe, effective & productive

Firecom 50 Series Wireless

UHW-51E UNDER-HELMET HEADSET (1.8 GHz)

| CONFIGURATION | | |
|---------------|----------|---------|
| | Transmit | Receive |
| Intercom | Yes | Yes |
| Radio | PTT | Yes |

The Firecom UHW-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. Behind-the-head band configuration with adjustable over-head strap easily accommodates use with helmets. 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

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

PTT radio, Full-duplex intercom

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

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 performance

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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