

WS-A3 Wireless Headset Kit

2.4GHz AI Noise-Cancellation Headset Kit With PTT Ring for Legacy Two-Way Radios



KEY FEATURES

Seamless Compatibility

Directly upgrades existing walkie-talkie call experience to wireless convenience without requiring device replacement.

Industrial-Grade AI Noise-Cancellation

$\geq 20\text{dB}$ Non-stationary noise suppression with high audio fidelity, fully eliminating ambient howling and reverb.

Dual-Control Hands-Free PTT

Operate via push-to-talk buttons on both the headset and portable finger ring - no need to constantly hold the radio.

Ergonomic Ambidextrous Fit

Reversible design fits both left and right ears comfortably; soft silicone ear tips ensure fatigue-free all-day wear.

2.4 GHz

Proprietary Protocol

0.1 s

Ultra-Low Latency

$\geq 20\text{ dB}$

Non-stationary Noise Suppression

10 m

Operating Wireless Range

GENERAL ELECTRICAL SPECIFICATIONS

Item	Battery Capacity	Est. Standby Sleep Time	Transmit Power Cons.	Receive Power Cons.	*Est. Continuous Operation
Adaptor	400 mAh	36 hours	42.8 mA	18.01 mA	18.5 hours
Headset	150 mAh	30 hours	16.01 mA	41.0 mA	7.5 hours
Finger Ring	100 mAh	2,000 hours	7.14 mA	—	41.5 hours
Charging Port	USB Type-C		Operating Voltage	3.7V	

*Continuous operation estimated under test cycle: Transmit 1 min, Rest 30s, Receive 1 min, Rest 30s.

DIMENSIONS & WEIGHT

Item	Dimensions (L × W × H)	Weight
Adaptor	43.0 × 38.0 × 24.3 mm	18.2 g
Headset	103.1 × 55.5 × 25.5 mm	24.6 g
Finger Ring	33.4 × 14.2 × 25.2 mm	8.8 g

RADIO INTERFACE & OPTIONS

Connector Compatibility

Supported Plugs: Standard K-Type and M-Type plugs available.

ODM Customization: Custom connector interfaces and housing specifications fully supported.