

Transmitter Specifications:

Frequency: 2.4GHz

Oscillator Type: Gaussian Frequency-Shift Keying (GFSK)

RF Frequency Band: 2400 to 2483.5 MHz

RF Output Power: 10 mW

Signal to Noise Ratio: ≥ 70 dB

Voice Delay: ≤ 6 ms

Reference Audio Input Level: -30 to -42dBv (Microphone Input, 0 dB Attenuation)

Audio Gain Control: 11dB, 18dB, 25dB

Plug-In Power: Yes, 1V

Distortion: $\leq 0.1\%$

Digital Resolution: 24-bit / 48kHz

Frequency Response: 20Hz to 16kHz

Max Operating Range: 98.4' (30m) with Obstacles, 164' (50m) in Open Area

Max Number of Simultaneous Systems: 18 (up to 36 Microphones)

Antenna: Built-in $1/4\lambda$ Wire Antenna

Buttons: On / Off / Pair, Volume Up, Volume Down

Battery: Built-in Li-ion 3.7V / 400mAh

Approx. Battery Life: 5 hours

Charging Connector: USB Type-C (1.5 hours to be fully charged)

Input: $1/8"$ (3.5mm) Microphone Input

Indicators: 4 x Blue LEDs: Indicates Power and Audio Level, 1 x Red LED: Indicates Low Battery Level, 1 x Green LED: Flashing when Charging / Off when Charge Finished

Microphone: Built-In Pressure Operated Electret Condenser

Microphone Pickup Pattern: Omnidirectional (Built-In Microphone and External Lavalier)

Microphone Frequency Range: 50Hz-18KHz (Built-In Microphone and External Lavalier)

Microphone Equivalent Noise Level: > 58 dB (Built-In Microphone and External Lavalier)

Maximum SPL: 120dB (Built-In Microphone), 110dB (External Lavalier)

Mounting Clip: Built-In

Operating Temperature: 0°C to 50°C

Storage Temperature: -20°C to $+50^{\circ}\text{C}$

Dimensions: 2.5 x 1.7 x .65" (63 x 43 x 16.5mm)

Weight: 1.2 oz (34g)

Receiver Specifications:

Frequency: 2.4GHz

Oscillator type: Gaussian Frequency-Shift Keying (GFSK)

RF Frequency Band: 2400 to 2483.5 MHz

Signal to Noise Ratio: ≥ 70 dB

Voice Delay: ≤ 6 ms

Distortion: $\leq 0.1\%$

Digital Resolution: 24-bit / 48kHz

Frequency Response: 20Hz to 16kHz

Max Operating Range: 98.4' (30m) with Obstacles, 164' (50m) in Open Area

Antenna: Built-in $1/4\lambda$ Wire Antenna

Connector: USB-C Male

Button: Pairing Pinhole Button

Indicator: 1 LED, Blue. Flashing Quickly: Pairing, Flashing: Not Paired with Any TX, Solid Blue: Paired with TX

Operating temperature: 0°C to 50°C

Storage temperature: -20°C to $+50^{\circ}\text{C}$

Dimensions: 3 x 0.65 x 0.43" (76 x 16.5 x 11mm)

Weight: 0.35 oz (10g)