

## Specification

### 1.1 System parameter

Model	MS2
Working frequency	640-690 MHz (Subject to applicable country regulations)
Bandwidth	50MHz
Modulation type	FM (Broadband)
Max. deviation	±45kHz
Frequency response:	50Hz ~ 15KHz
Signal Noise ratio(S/N)	≥ 50dB(A)
Total Harmonic Distortion (THD)	≤ 2% @1KHz
Working temperature	-10°C ~ +50°C
Working distance	About 80 meters (In the ideal environment and the working distance depends on many variables, reflection and interference of RF signals).

### 1.2 Receiver index:

Number of channels	2 x 100 channels
Frequency fluctuation mode	PLL: (Digital frequency synthesizer)
F/N ratio	≥ 80dB
P/N ratio	≥ 80dB
Sensitivity	5dBμV (80dB S/N)
Audio Output Level:	Balanced (XLR output jack): 250mV/ 600Ω Unbalanced/ "Output jack": 400mV/ 3kΩ
Function display LCD	Contents display Group/Channel, Antenna A/B, RF/AF Level Meter Control On/Off, channel up/down, Crush Level, Sound Level, Lock-on
Output impedance	600Ω
Antenna access	BNC/50Ω
Power supply mode	DC 12V -16V/ 500mA input
Receiving antenna	4 Pcs
Dimension (W xDxH)	420×232×44mm
Net weight	1.95kg

### 1.3 Transmitter index:

Microphone	Dynamic Microphone
Number of optional channels	100 Channels
Antenna	Handheld spiral antenna microphone, wearable transmitter uses whip antenna.
Output power RF	Max.30mW (Depending on current country regulations)
Frequency fluctuation mode	PLL: (Digital frequency synthesizer)
Frequency transmission stability	< 30ppm
Dynamic range:	≥ 100dB
Frequency response:	50Hz ~ 15KHz
Maximum input sound pressure	130dB SPL
Power supply	2pcs AA 1.5V alkaline batteries, Battery life is greater than 13 hours
Microphone components	Alloy shell, powder coated, ABS plastic and black
Net weight	0.45kg