



# Wireless Microphone KT-M50W

Embedded software: microphone call control embedded software V1.32



## Feature

- \* Using automatic human hand detection technology, the microphone will automatically mute after the hand leaves for 3 seconds (any direction and any angle), automatically save energy and enter the standby state after 5 minutes, automatically shut down and completely disconnect the power supply after 15 minutes; the microphone will be muted when it is falling on the ground.
- \* Using a new audio circuit structure, it provides delicate treble, powerful alto and bass; it is perfectly expressive in the details of the sound; super dynamic tracking ability makes the sound pickup flexible in far and short distance.
- \* The new digital pilot technology solves the problem of mutual cross-frequency in KTV private rooms.
- \* With squealing suppression circuit.
- \* Automatically search for the channels without interference.
- \* Flexibly set the number of times of use.
- \* Use UHF frequency band, PLL frequency synthesis.
- \* Adopt super heterodyne secondary frequency conversion design, with extremely high receiving sensitivity.
- \* The RF adopts multi-stage high-performance dielectric filter, with excellent anti-interference ability.
- \* The first IF adopts a SAW filter, and the second IF adopts a three-stage ceramic filter, greatly improving the anti-interference ability.
- \* The specially designed mute circuit completely eliminates the impact noise when turning the microphone on and off.
- \* The microphone uses 2 AA batteries, which can last for 6-10 hours.
- \* The microphone adopts a unique boost design; the decrease of battery power does not affect the overall performance of the microphone.
- \* With adjustable transmit power and adjustable squelch threshold, the rear panel of the receiver is equipped with an external squelch control knob, and the effective operating radius can be flexibly set between 10 meters and 80 meters according to actual needs.
- \* With infrared automatic frequency matching function, the microphone can be quickly synchronized to the working channel of the receiver.
- \* KTV special model, two microphones + one receiver, unique structure design, convenient maintenance, easily cover more than 100 KTV rooms.

## Specification

Model	KT-M50W
Frequency range	640-690MHz
Channel number	100×2
Oscillation mode	PLL Frequency Synthesis
Frequency stability	±10ppm
Receiving mode	Superheterodyne Secondary Frequency Conversion
Receiving sensitivity	-95~-67dBm
Audio frequency response	40-18000Hz
THD	≤0.5%
SNR	≥110dB
Audio output	Balanced and mixed outputs
Transmit power	3-30mW
Modulation mode	Frequency Modulation (FM)
Battery	2 AA batteries



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<b>Power supply</b>	100-240V 50-60Hz 12VDC (switched power adapter) or 220VAC/50-60HZ 12VDC (linear power supply)
<b>Power consumption</b>	≤10W
<b>Working temperature</b>	-10°C-55°C
<b>Product size (L×H×D)</b>	480×50×180mm
<b>Package size (L×H×D)</b>	530×70×390mm
<b>Net weight</b>	2.15kg
<b>Gross weight</b>	3.35kg