



Wireless Microphone

Embedded software: microphone call control embedded software V1.32

TS-654UD



One Receiver + Four Lapel Mics TS-654UD

Corresponding model of the radio transmission device approval certificate(CMIIT):

- * Handheld wireless transmitter T-52X
- * Lapel/Headset wireless transmitter T-52Y

Feature:

- * Advanced PLL phase-locked loop frequency synthesis technology, CPU bus control system of microcomputer integrated central processor.
- * Compatible with manual frequency selection and infrared automatic frequency matching, support noise lock squelch control and voice code lock squelch control, realize more stable signal transmission.
- * The V/A screen is clear at any angle and can display channel number and working frequency.
- * Support RF level display, audio level display, channel menu display, mute display, and battery power display of handheld and waist-bag transmitters.
- * Support 4 channels of independent electronic volume adjustment.
- * With advanced filtering and anti-interference capability, it can effectively block the external interference of poor signals and cell phone signals.
- * Each module adopts U frequency band from 540-830MHz, and adopts PLL digital phase-locked loop multi-channel frequency synthesis technology. In two 50MHz frequency bands, taking 250KHz as the channel interval, 500 channels are provided for selection to easily avoid all kinds of interference.
- * Four true diversity modules are integrated, and each true diversity channel module has two antennas for receiving; with 8 antennas in total, the receiving effect is better.
- * Adopt traditional button control, and built-in high-performance voice companding technology, more power-saving and cost-saving.
- * Support four XLR balanced outputs and one 6.35 unbalanced output.

Specifications:

System	
Frequency range	640-690MHz 540-590MHz 807-830MHz
Modulation method	Broadband FM
Channel qty	700
Channel interval	250KHz
Frequency stability	Within $\pm 0.005\%$
Dynamic range	100dB
Max frequency deviation	$\pm 45\text{KHz}$
Frequency response	80Hz-18KHz ($\pm 2\text{dB}$) (the frequency response of the entire system depends on the microphone unit)
SNR	$> 105\text{dB}$
THD	$\leq 0.5\%$
Working distance	The straight-line and barrier-free distance can reach about 50m(depending on many factors such as RF signal absorption, reflection and interference)
Working temperature	$-10^{\circ}\text{C}\sim +40^{\circ}\text{C}$
Receiver	
Screen	LCD V/A display
Receiving mode	Double frequency conversion superheterodyne
IF frequency	110MHz, 10.7MHz
Antenna interface	BNC/50 Ω
Audio output	Balanced 200 Ω load -13dBV, unbalanced 600 Ω load -2dBV ($\pm 40\text{KHz}$ when the frequency deviation is in 1K signal, load)
Sensitivity	12dB μV (80dBBS/N)
Sensitivity range	12-32dB μV
Discrete suppression	$\geq 75\text{dB}$
Max output level	+10dBV
Power supply	DC12V-1A input
Weight	3.5 Kg (Without antennas)
Size	440 \times 240 \times 44mm (W \times D \times H)
Working temperature	$-10^{\circ}\text{C}\sim +40^{\circ}\text{C}$
Microphone	
Model	TS-654UD
Microphone	Lapel microphone*4
Antenna program	Built-in helical antenna
Output power	High power 30mW; low power 3mW
Discrete suppression	-60dB
Function	Adopt true diversity reception to effectively avoid frequency interruption and extend receiving distance
Sound quality	Rich IF provides magnetic and powerful sound quality
Battery	Two 5# batteries
Size	83 \times 63 \times 22mm (L \times W \times H)
Weight	0.06Kg (Without batteries)