Wireless Microphone

Embedded software: microphone call control embedded software V1.32

TS-654UF

One Receiver + Four Gooseneck Mics TS-654UF

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	500
Channel interval	250KHz
Frequency stability	Within ±0.005%
Dynamic range	100dB
Max frequency deviation	±45KHz
Frequency response	80Hz-18KHz (±2dB) (the frequency response of the entire system depends on the microphone unit)
SNR	>105dB
THD	≤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°C~+40°C
Receiver	
Screen	LCD V/A display
Receiving mode	Double frequency conversion superheterodyne
IF frequency	110MHz, 10.7MHz
Antenna interface	BNC/50Ω
Audio output	Balanced 200Ω load -13dBV, unbalanced 600Ω load -2dBV (±40KHz when the frequency deviation is in 1K signal, load)
Sensitivity	12dB μV (80dBS/N)
Sensitivity range	12-32dB μV
Discrete suppression	≥75dB
Max output level	+10dBV
Power supply	DC12V-1A input
Weight	3.5 Kg (Without antennas)
Size	440×240×44mm (W×D×H)
Working temperature	-10°C~+40°C
Microphone	
Model	TS-654UF
Microphone	Gooseneck microphone*4
Microphone pole	409m
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	Eight 5# batteries
Size	230×120×70mm (W×D×H)
Weight	1Kg (Without batteries)