



Wireless Microphone

Embedded software: microphone embedded control software V1.32

**T-521UH / T-521UT / T-521UL /
T-521UV / T-521US / T-521UW**



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

- * Hand-held wireless transmitter T-52X
- * Lapel, headset wireless transmitter T-52Y

Feature:

- * UHF ultra-high frequency band dual true diversity reception, and PLL phase-locked loop multi-channel frequency synthesis technology.
 - * Provide options of 500 channels in total and 200 channels for each, true diversity reception, effectively avoid frequency interruption and extend the receiving distance.
 - * With SCAN automatic frequency scanning function, press the SET key before use to automatically find out the cleanest frequency point and keep it as the receiving frequency.
 - * The V/A screen is clear at any angle and displays the channel number and operating frequency at the same time, supports 8-level RF level display, 8-level audio level display, channel menu display, and muted display.
 - * Both balanced and unbalanced output ports are optional, meeting different equipment connection requirements.
 - * Super anti-interference ability can effectively suppress external noise interference and co-frequency interference.
 - * Infrared frequency matching function, which can synchronize the frequency of transmitter and receiver conveniently and quickly.
 - * Rich IF, magnetic and powerful sound, the essence of the vocal microphone.
- Touch button control is simple and user-friendly!

Specifications:

System	Frequency	470-510M 540-590M 640-690M 740-790M 807-830MHz, 5 bands, a total of 900 frequencies
	Modulation	Broadband FM
	Number of channel	100-200 per frequency band
	Channel interval	Multiples of 250KHz
	Frequency stability	within $\pm 0.005\%$
	Dynamic range	100dB
	Maximum frequency deviation	$\pm 45\text{KHz}$
	Frequency response	80Hz-18KHz ($\pm 3\text{dB}$) (the frequency of the entire system depends on the microphone unit)
	Integrated SNR	105dB
	Integrated distortion	$\leq 0.5\%$
Receiver	Working distance	The straight-line barrier-free distance can reach about 100m(working distance depends on many factors, including RF signal absorption, reflection, and interference, etc)
	Working temperature	$-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
	Receiving mode	Double frequency conversion superheterodyne
	IF frequency rate	110MHz, 10.7MHz
	Wireless interface	BNC/50 Ω
	Sensitivity	12dB μV (80dBS/N)
	Sensitivity range	12-32dB μV
	Discrete suppression	$\geq 75\text{dB}$
	Maximum output level	+10dBV
	Power supply	DC 12V~1A input
Transmitter	Weight	1.95 Kg (excluding antenna)
	Size	422 \times 180 \times 44.5mm(L \times D \times H)
	Sound head	Moving-coil microphone or condenser microphone Condenser microphone (lapel microphone, headset microphone)
	Antenna	The hand-held microphone has a built-in helical antenna, and the pendant transmitter uses a 1/4 wavelength whip antenna
	Output power	High power 30Mw; low power 3Mw
	Discrete suppression	-60dB
	Power supply	2 AA 1.5V alkaline batteries
	Battery lifespan	About 6h at 30Mw, it depends on battery capacity
	Function	True diversity reception method can effectively avoid frequency interruption and extend the receiving distance
	Sound quality	Rich IF, magnetic and mixed sound
Weight	0.34Kg (hand-held), 0.06Kg (lapel),(excluding battery)	
Size	268mm(L) \times 35mm(D)(hand-held), 83mm \times 63mm \times 22mm(L*W*T) (lapel)	