



# UHF-Dual Channel 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:

<b>System</b>	<b>Frequency</b>	470-510M 540-590M 640-690M807-830MHz, 4 bands, a total of 700 frequencies
	<b>Modulation</b>	Broadband FM
	<b>Number of channel</b>	100-200 per frequency band
	<b>Channel interval</b>	Multiples of 250KHz
	<b>Frequency stability</b>	within $\pm 0.005\%$
	<b>Dynamic range</b>	100dB
	<b>Maximum frequency deviation</b>	$\pm 45\text{KHz}$
	<b>Frequency response</b>	80Hz-18KHz ( $\pm 3\text{dB}$ ) (the frequency of the entire system depends on the microphone unit)
	<b>Integrated SNR</b>	105dB
	<b>Integrated distortion</b>	$\leq 0.5\%$
<b>Receiver</b>	<b>Working distance</b>	The straight-line barrier-free distance can reach about 100m(working distance depends on many factors, including RF signal absorption, reflection, and interference, etc)
	<b>Working temperature</b>	$-10^{\circ}\text{C}\sim +60^{\circ}\text{C}$
	<b>Receiving mode</b>	Double frequency conversion superheterodyne
	<b>IF frequency rate</b>	110MHz, 10.7MHz
	<b>Wireless interface</b>	BNC/50 $\Omega$
	<b>Sensitivity</b>	12dB $\mu\text{V}$ (80dBS/N)
	<b>Sensitivity range</b>	12-32dB $\mu\text{V}$
	<b>Discrete suppression</b>	$\geq 75\text{dB}$
	<b>Maximum output level</b>	+10dBV
	<b>Power supply</b>	DC 12V~1A input
<b>Transmitter</b>	<b>Weight</b>	1.95 Kg (excluding antenna)
	<b>Size</b>	422 $\times$ 180 $\times$ 44.5mm(L $\times$ D $\times$ H)
	<b>Sound head</b>	Moving-coil microphone or condenser microphone Condenser microphone (lapel microphone, headset microphone)
	<b>Antenna</b>	The hand-held microphone has a built-in helical antenna, and the pendant transmitter uses a 1/4 wavelength whip antenna
	<b>Output power</b>	High power 30Mw; low power 3Mw
	<b>Discrete suppression</b>	-60dB
	<b>Power supply</b>	2 AA 1.5V alkaline batteries
	<b>Battery lifespan</b>	About 6h at 30Mw, it depends on battery capacity
	<b>Function</b>	True diversity reception method can effectively avoid frequency interruption and extend the receiving distance
	<b>Sound quality</b>	Rich IF, magnetic and mixed sound
<b>Weight</b>		0.34Kg (hand-held), 0.06Kg (lapel),(excluding battery)
	<b>Size</b>	268mm(L) $\times$ 35mm(D)(hand-held), 83mm $\times$ 63mm $\times$ 22mm(L*W*T) (lapel)