# 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

Dual hand-held mic T-521UH

A hand-held and a lapel mic T-521UT

Dual lapel mic T-521UL

A hand-held and a headset mic T-521UV

Dual headset mic T-521US

A headset and a lapel mic T-521UW

## 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-friendl

## Specifications:

| | | |
|---|---|---|
| **System** | **Frequency** | 470-510M 540-590M 640-690M807-830MHz, 4 bands, a total of 700 frequencies |
| | **Modulation** | Broadband FM |
| | **Number of channel** | 100-200 per frequency band |
| | **Channel interval** | Multiples of 250KHz |
| | **Frequency stability** | within ±0.005% |
| | **Dynamic range** | 100dB |
| | **Maximum frequency deviation** | ±45KHz |
| | **Frequency response** | 80Hz-18KHz (±3dB) (the frequency of the entire system depends on the microphone unit) |
| | **Integrated SNR** | 105dB |
| | **Integrated distortion** | ≤0.5% |
| | **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℃~+60℃ |
| **Receiver** | **Receiving mode** | Double frequency conversion superheterodyne |
| | **IF frequency rate** | 110MHz,10.7MHz |
| | **Wireless interface** | BNC/50Ω |
| | **Sensitivity** | 12dB μV(80dBS/N) |
| | **Sensitivity range** | 12-32dB μV |
| | **Discrete suppression** | ≥75dB |
| | **Maximum output level** | +10dBV |
| | **Power supply** | DC 12V~1A input |
| | **Weight** | 1.95 Kg (excluding antenna) |
| | **Size** | 422×180×44.5mm(L×D×H) |
| **Transmitter** | **Sound head** | Moving-coil microphone or condenser microphone<br>Condenser microphone (lapel microphone, headset microphone) |
| | **Antenna** | The hand-held microphone has a built-in helical antenna,<br>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)×35mm(D)(hand-held), 83mm×63mm×22mm(L*W*T) (lapel) |