



# Wireless Microphone

## Embedded microphone call control embedded software V1.32 T-524WT



### Description:

- \* The receiver is a four-network receiver, the four channels are received at the same frequency, and the status information of the four receiving channels is displayed on a single screen.
- \* Support SCRAM automatic frequency scanning function and IR SYNC infrared automatic frequency.
- \* Support adjustable 100 frequency points within 640-690MHz, and a total of 100 frequency options.
- \* With Lock key, any key will be disabled while locked.
- \* 4 lengthened engineering antennas, which can be extended to connect four B-type polarized antennas; working with four antennas at reasonable positions within the range of 20000 , that a microphone can get a distance of 70 meters (100 meters maximum) from the antennas at any angle can be realized seamless; noise-free reception conversion of 4 antennas; according to the position of the microphone, the receiving system intelligently and the system CPU will automatically select the best signal, and the conversion signal processing is fast and seamless without line noise output.

### Specifications:

<b>System</b>	
<b>Frequency</b>	640-690M, a total of 100 frequencies
<b>Modulation</b>	Broadband FM
<b>Number of channel</b>	100
<b>Channel interval</b>	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>Working distance</b>	The straight-line barrier-free distance can reach about 100m (working distance depends on many factors, such as RF signal absorption, reflection, and interference, etc.)
<b>Working temperature</b>	$-10^{\circ}\text{C}\sim+60^{\circ}\text{C}$
<b>Receiver</b>	
<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 $\mu\text{V}$ (80dBBS/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>	DC12V/1A input
<b>Transmitter</b>	
<b>Sound head</b>	Moving coil 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>	30mW
<b>Discrete suppression</b>	-60dB
<b>Power supply</b>	Two 1.5V alkaline batteries
<b>Battery lifespan</b>	About 4h at 30mW
<b>Function</b>	Adopt four-channel true diversity reception mode, seamless conversion, no conversion noise
<b>Sound quality</b>	Rich IF, magnetic and powerful sound
<b>Hand-held mic weight</b>	0.34kg (excluding battery)
<b>Hand-held mic size</b>	270mm(L) $\times$ 35(D)(mm)
<b>Receiver weight</b>	1.95kg
<b>Receiver size</b>	420(W) $\times$ 180(D) $\times$ 41(H)(mm)