

# ER-5900

## DUAL CHANNEL TRUE DIVERSITY WIRELESS MICROPHONE SYSTEM



ER-5900 series is a dual-channel true diversity wireless microphone. True diversity receiving mode is more stable, with AFS function, eliminating the reception drop out problem. The frequency response is wide, the sound quality is rich and full, with strong vocal expression. cardioid directional pickup, high sensitivity, while reducing environmental noise. The tone is high fidelity. It is suitable for karaoke, bars, night clubs, KTV and other entertainment venues.

### Key Features

#### AFS(Automatic Frequency Selection)

• AFS Automatic frequency selection. Press the [AFS] (Auto Frequency Selection) button 3S and the receiver will auto-scan and lock on to an open, interference-free frequency.

#### Reliable Signal

• The BNC antenna can be connected to the coaxial antenna and the extended antenna, and provides the antenna power supply voltage.  
• It can be connected to the Relacart classic Antenna distribution system, expand the multi-device, enhance the receiving distance and improve the signal stability.

#### Anti-Interference

• Adopt true diversity FM super-heterodyne reception to ensure the stability of the received RF signal and the anti-interference of the receiver itself; the operating frequency range is from 521.25MHz to 936.85MHz.

#### IR Infrared

• With [IR] infrared automatic frequency matching function, press the [SYNC] button, the transmitter can automatically and accurately lock the working frequency of the receiver.

#### Intelligent Design

• The handheld microphone adopts the latest auto-mute, auto drop-to-mute, auto-off function. (when the microphone is put horizontal or less than 45 degree for 5 sec, the microphone will be auto-mute. When the microphone is static for 10 mins, the microphone will be auto-off. When drop down, the microphone will be auto-mute. Intelligent electricity-saving, humanized application.  
• The receiver comes with the electronic volume adjustment, the adjustment range is -6dB to +18dB, +3dB step.  
• The receiver can display the battery level of the transmitter and can change according to the battery level of the transmitter.

#### Generality

• 134MHz wideband transmitter, four different frequency band receivers can be used interchangeably, which greatly facilitates KTV debugging and management.  
• Channel group mode is selected, and 50 channel groups in each frequency band provide user selection.

### Product Specification



#### ER-5900

Dual Channel Wireless Receiver

- EIA Standard Rack 1U metal rack receiver chassis.
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.

Tuning Bandwidth:	521.25MHz~936.85MHz
Receiving Mode:	FM Superheterodyne true diversity reception
RF Sensitivity:	5dB $\mu$ V, S/N>60dB at 25 deviation
Squelch:	10dB to 40dB, 5dB step
Frequency Sync:	IR Sync
Maximum output Level:	Maximum output + 11dBV
Adjustment Range Of Audio Output Level:	-6dB to +18dB, 3dB step
Power Requirements:	DC12V/1A
Current Consumption:	DV12V, 330mA
Overall Dimensions(mm):	410(W) $\times$ 43(H) $\times$ 206(D)
Net Weight:	1.8Kg

- Fashionable design, the tube is made by durable alloy, effectively protect the inner components, ergonomic grip.

Switching Bandwidth:	521.25MHz-936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	5mW/30mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	$\leq$ 45dB
Modulation:	FM
Nominal/ Peak Deviation:	$\pm$ 45KHz
Max. Input Level:	Maximum input - 11dBV
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life(mm):	Approximately 8 hours
Dimensions:	50( $\Phi$ ) $\times$ 260(L)
Weight (without battery):	About 330g

#### EH-6100

Wireless Handheld Microphone



- Bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function LCD display, built-in input selector switch, can be used to facilitate the instrument.
- The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Switching Bandwidth:	521.25MHz-936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	5mW/30mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	$\leq$ 45dB
Modulation:	FM
Nominal/ Peak Deviation:	$\pm$ 45KHz
Max. Input Level:	Maximum input - 11dBV
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life:	Approximately 8 hours
Dimensions(mm):	95(H) $\times$ 65(W) $\times$ 25(D)
Weight (without battery):	About 80g

#### ET-50

Wireless Bodypack Transmitter



- Desktop gooseneck wireless conference microphone, simple design, durable metal material, multi-function LCD display, built-in high-pass filter and gain adjustment, silent touch switch. Suitable for various applications in government departments, institutions, etc.

Switching Bandwidth:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
RF Output Power:	10mW / 25mW
Carrier Deviation:	0.5KHz
Harmonic Radiation:	$\leq$ 45dB
Modulation:	FM
Nominal/ Peak deviation:	< 45KHz
Gain Adjustment Range:	-10dB ~ +10dB
Frequency Set-Up:	IR Sync
Power Requirements:	2X AA 1.5V batteries
Battery Life:	Approximately 8 hours
Dimensions(mm):	Base : 141 $\times$ 115 $\times$ 48 Microphone tube : 430mm
Weight (without battery):	1.0 Kg

#### UD-2

Wireless Conference Microphone

