

HR-31S

HR SINGLE-CHANNEL TRUE DIVERSITY
WIRELESS MICROPHONE SYSTEM



HR-31S true diversity wireless microphone system is a wide bandwidth true diversity wireless audio system that designed for the large-scale live show. Powerful function, reliable performance, can get the best effect in different kinds of complicated professional performance.

Product Specification



HR-31S

Single Channel Wireless Receiver

- 1U Half-Rack receiver chassis, offering programmable features, with high-visibility LCD display.
- The receiver's bright LCD display the operating channel or frequency, RF and AF signal strength, transmitter battery capacity, and the ability to edit the performer's name for easy tuner control.
- Electronic Volume Control
- Antenna output with 8V DC

Main Frame Size:	1U Half-Rack
Receiving Channel:	Single Channel
Receiving Mode:	True Diversity
Frequency Reliability:	±0.005%(-10~50°C)
Bandwidth:	32MHz
Audio Output Jack:	XLR balanced socket and Φ6.3mm unbalanced socket
Antenna Socket Type:	BNC
Control Cable:	4P telephone line connect to the U485, U485 USB connect to computer.
Operation Distance:	80M typical(in open space)
Oscillation:	PLL synthesized
Sensitivity:	5dBμV,S/N>60dB at 25KHz deviation
Max. Deviation:	±45KHz
Power Supply:	DC 12V/12W
Dimension(mm):	206(W)×206(D)×43(H)
Weight:	Approximately 1.0kg

Key Features



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.



Anti-Interference

- PLL (Phase Lock Loop frequency control) design ensures transmission reliability, "Noise Lock" squelch effectively blocks stray RF.



IR Infrared

- Press [IR] button to upload automatically the receiver frequency to the transmitter.



Super Wide Frequency Range

- 32MHz bandwidth. 1280 selectable UHF frequencies and True Diversity reception for interference-resistant operation.



Intelligent Management

- On-board Ethernet interface for monitoring and controlling system parameters with "RWW" wireless management system.
- Intelligent volume control



Energy Conservation

- Precision low-power circuit design, battery life is twice as common.



H-31

Wireless Handheld Microphone

- The transmitters offer durable, magnesium bodies, soft-touch controls. Effectively protects inside PCB board components and battery holders with an ergonomic grip.
- With lock function, avoid the mistakes of the performers, to ensure reliable performance.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<20dBm
Max. Deviation:	±45KHz
Microphone Element:	Dynamic/Condenser(removable)
RF Output Power:	10mW/40mW
Battery:	AA×2
Current Consumption:	100mA(Typical)
Battery Current/ Life:	Approximately 10 hours(alkaline)
Dimension(mm):	53(Φ) ×265(L)
Weight:	Approximately 312g(w/o battery)



T-32

Wireless Bodypack Transmitter

- The bodypack transmitter is one of the smallest mini bodypack in the world. It is made of all alloys and is light and durable.

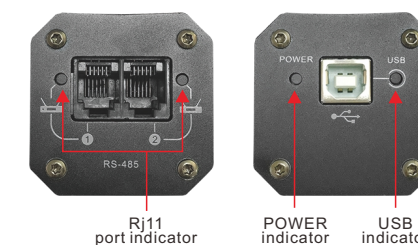
Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL synthesized
Harmonic Radiation:	<50dBm
Max. Deviation:	±45KHz
Input Connector:	4-pin mini XLR connector
RF Output Power:	10mW/40mW
Battery:	AA×2
Current Consumption:	205mA(Typical)
Battery Current/ Life:	Approximately 5 hours(alkaline)
Dimension(mm):	66(H)×63(W)×20(D)
Weight:	Approximately 85g(w/o battery)



U-485

Data exchange equipment

- U-485 is a device for some of the exclusive wireless products and computer data exchange.
- We set up our computer software (RWW) to achieve the work of the connected wireless microphone products. It can be computerized, but more powerful is to accurately determine the internal environment interference. Obvious signal changes and the scan function.



- Product port description
 - ①USB interface: professional square USB interface for connecting to a computer for data exchange
 - POWER indicator: Power indicator, correctly shows whether the U-485 is working properly (the power supply can be supplied via USB)
 - USB indicator: Indicates whether the U-485 is connected to the computer.

②Two RJ11 ports: used to connect to our exclusive wireless microphone products, the 1 and 2 ports function are same, can be used at the same time so that it can connect more wireless microphone at the same time. RJ11 port indicator "2": indicate whether the RJ11 port connection is normal.