

## D7821

### True Diversity UHF Wireless Microphone System



#### Description

The D7821 True Diversity UHF Wireless Microphone System offers stable signal transmission over 150 meters with a UHF frequency range of 610MHz-670MHz. It features True Diversity technology, a signal-to-noise ratio of  $\geq 105\text{dB}$ , and up to 8 hours of battery life. This system is perfect for professional audio applications such as conferences, live performances, and events, ensuring clear, reliable sound in various environments.

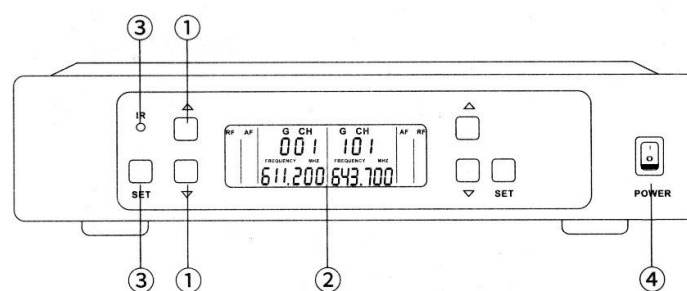
#### Features

- Dual-channel diversity design with PLL phase-locked loop frequency control.
- True Diversity Technology for stable signal reception.
- Transmission range up to 150 meters.
- UHF frequency range of 610MHz-670MHz.
- Signal-to-noise ratio of  $\geq 105\text{dB}$  for high-quality audio.
- Up to 8 hours of battery life for extended use.
- 160 channels with 300KHz spacing for flexibility.
- Wide frequency response from 45Hz to 16kHz.
- Ideal for professional applications like conferences and live performances.
- Compact and user-friendly design for easy setup.
- Professional stage, UHF PLL design, excellent sound quality, multiple channels available.

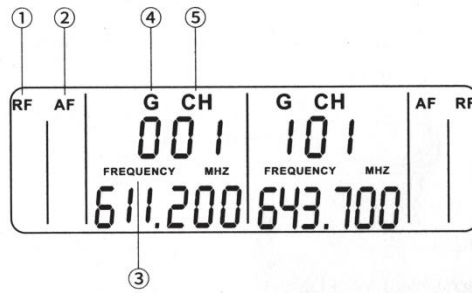
## Specifications

Model	D7821
<b>Receiver</b>	
Channel Configuration	Diversity dual-channel
Operating Frequency Range	UHF 610MHz-670MHz
Frequency Stability	±0.005%, PLL Frequency Control
Effective Transmission Distance	150 meters (Open Environment)
Sensitivity	-98dBm
Audio Performance	Maximum Deviation: ±75KHz Frequency Response: 45Hz-16kHz (±3dB) Signal-to-Noise Ratio (S/N): ≥105dB (1KHz-A weighted) Total Harmonic Distortion (T.H.D.): ≤0.5%
Output Interface	XLR balanced output, Ø6.3mm unbalanced output (maximum output +10dB)
Power Supply	DC12V/1A
<b>Wireless Handheld Microphone</b>	
Operating Frequency Range	640MHz-690MHz
Modulation Mode	Wideband FM
Channel Features	Supports 160 Channels, 300KHz Channel Spacing
Pickup Type	Dynamic, Cardioid
Transmission Power	<10mW
Antenna Type	Built-in Antenna
Audio Performance	Frequency Response: 45Hz-16kHz (±3dB) Spurious Suppression: -50dB
Power Supply	2 AA Alkaline Batteries (Supports approximately 8 hours of operation)
Effective Transmission Distance	150 meters (Ideal conditions)
Operating Temperature Range	-10°C to +50°C

## Front / Rear Panel



- ① Function Buttons: Used for channel selection, frequency adjustment/synchronization/scanning, etc.
- ② LCD Display: Displays synchronization status, frequency, reception signal level, and more.
- ③ IR Synchronization Window: Transmits frequency parameters to the transmitter, used in conjunction with the [SET] button.
- ④ Power Switch: Controls the receiver's power.



LCD Display

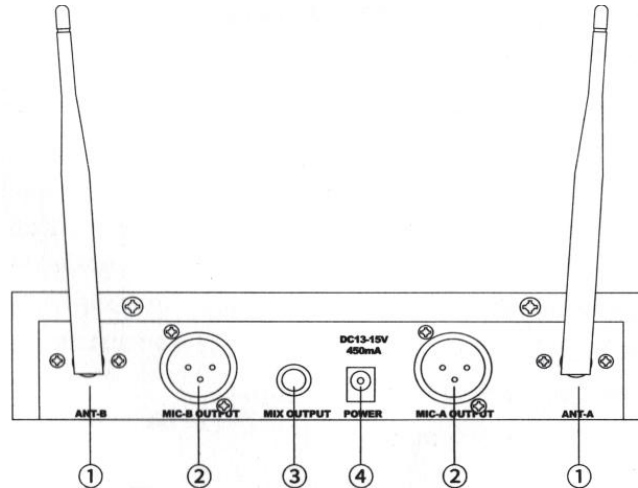
① RF Indicator: Displays the received signal strength.

② AF Indicator: Displays the audio signal strength.

③ FREQUENCY: Displays the operating frequency.

④ G: Displays the default group.

⑤ CH: Displays the faulty channel.

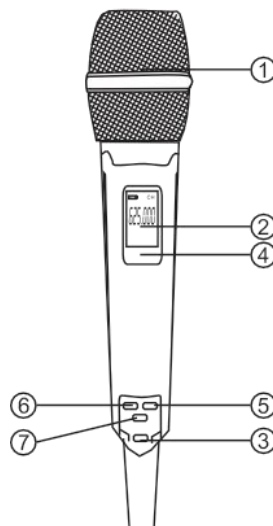


① Antenna: A/B Antenna.

② Balanced Audio Output: XLR connectors providing independent signal output for each channel.

③ Mixed Audio Output: Mixes audio signals from two channels into a single output.

④ Power Socket: Connects to a DC 12V power supply; the center pin is connected to positive voltage.



1. Microphone Head

2. LEC Display

3. Power Switch

4. Infrared Frequency Port

5. Up Button

6. Down Button

7. Set Key/Point