

D5821

True Diversity UHF Wireless Microphone System with Dual-Channel PLL

(1 Receiver + 2 Handheld Microphones)



Description

The True Diversity Wireless Microphone System (UHF receiver + two handheld mics) offers reliable performance for professional audio applications. It features a dual-channel PLL design that ensures stable, interference-resistant transmission. With a 200-channel UHF system and infrared frequency pairing, it enables fast synchronization and flexible multi-device operation. The system includes a clear display for real-time monitoring of frequency, channel, and signal status, along with independent volume control per channel. The handheld microphones use dynamic capsules for natural and clear sound pickup, and support switchable high/low power modes to adapt to different usage scenarios. Featuring high signal-to-noise ratio and low distortion, the system delivers clear and stable audio reproduction. Balanced XLR and 6.35mm mixed outputs ensure wide compatibility, making it ideal for conferences, performances, and other live sound applications.

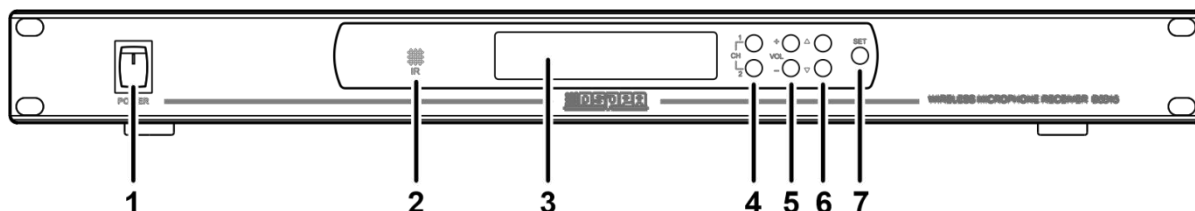
Features

- Dual-channel PLL (Phase-Locked Loop) design for stable operation.
- UHF 200-channel PLL digital locking with automatic communication functionality.
- Infrared frequency pairing for quick and reliable setup.
- Built-in display screen showing frequency, channel, squelch, and signal level.
- Independent volume adjustment for each channel.
- Dynamic microphone capsule for reliable, natural sound pickup.
- Selectable high-power and low-power transmission modes to suit different scenarios.
- Infrared (IR) frequency synchronization for easy matching between receiver and microphone.
- Adjustable RF signal strength and volume levels for flexible control.

Specifications

Model	D5821
Receiver	
Frequency Range	632-695.25MHz
Number of Channels	200
Frequency Step	250KHz
Dynamic Range	82dB
Maximum Frequency Deviation	±45KHz
Audio Frequency	120Hz-15KHz (±3dB)
Signal-to-Noise Ratio (SNR)	> 70dB
Total Harmonic Distortion (THD)	≤1%
Operating Temperature	-10°C — +40°C
Antenna Interface	BNC / 50 Ω
Sensitivity	≤-95dBm
Display Type	Display Screen
Power Supply	DC 12 V, 600 mA
Product Dimension	483×196×44mm
Weight	2.3kg
Wireless Microphone	
Antenna Type	Built-in PCB Antenna
Output Power	High Power: 14dBm; Low Power: 6dBm
Spurious Suppression	-60dB
Power Supply Mode	2 × AA (1.5 V) Alkaline Batteries
Battery Life	>10 hours at 14dBm; >15 hours at 6dBm
Display Type	Display Screen
Product Dimension	50×265mm
Weight	0.45kg

Front / Rear Panel

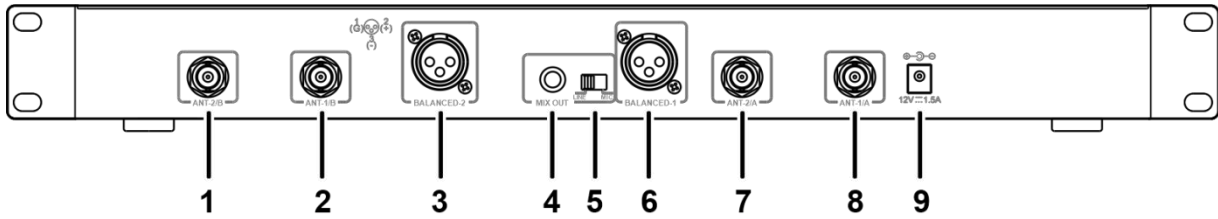


- ① Power Switch
- ② Infrared Frequency Pairing Window
- ③ Display Screen
- ④ Channel Selection & Mode Switch Buttons
Long press the CH1 button to enter mode

switching.
Short press the CH2 button to select Mode 1 or Mode 2.
Long press the CH1 button again to save and exit.

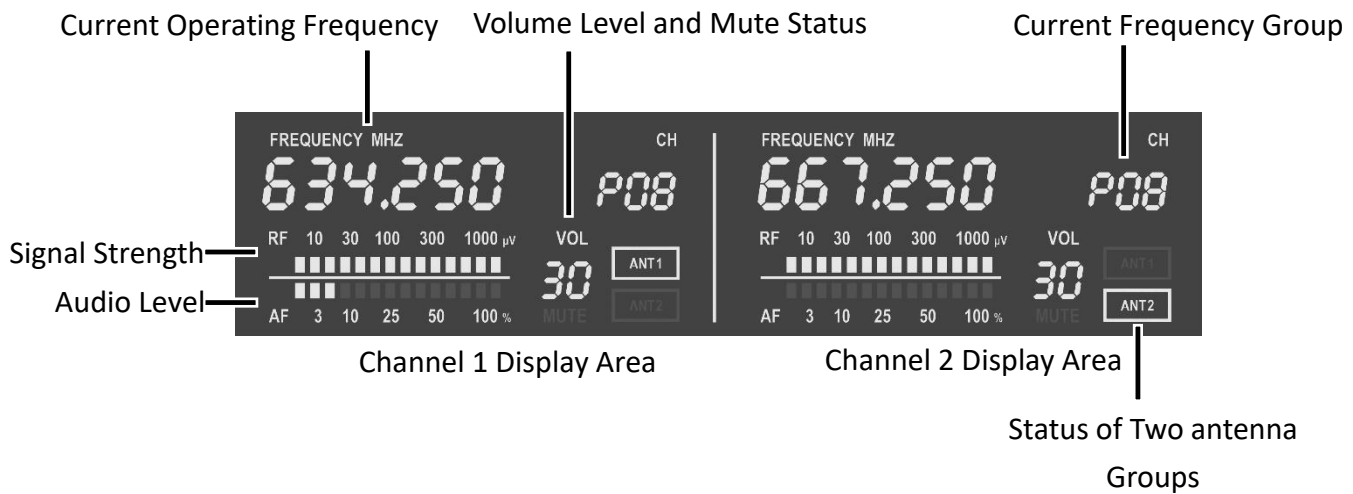
- ⑤ Volume + / Volume - Button
- ⑥ Group and Frequency Number + / -Button

- ⑦ Frequency Pairing Button



- ① Antenna Input
- ② Antenna Input
- ③ Channel 2 Balanced Output (XLR)
- ④ Channel 1 & 2 Mixed Output (6.35 mm)
- ⑤ Mixed Output Level Switch (LINE: 150 mV, MIC: 7 mV)
- ⑥ Channel 1 Balanced Output (XLR)
- ⑦ Antenna Input
- ⑧ Antenna Input
- ⑨ Power Input

Display Description



Wireless Microphone Buttons and Interfaces

1. Display Screen
2. Infrared (IR) Synchronization Window
3. ◀ Button: adjusts volume, switches between high / low power modes, and enables / disables the lock function
4. ▶ Button: adjusts volume, switches between high / low power modes, and enables / disables the lock function
5. Battery Compartment Release Button
6. SET button
7. Power switch: short press to power on, long press to power off

