

D5841

True Diversity UHF Wireless Microphone System (1 Receiver + 4 Handheld Microphones)



Description

The True Diversity Wireless Microphone System (UHF Wireless Receiver + 4 Handheld Microphones) is a reliable solution for professional audio applications, featuring a four-channel PLL design for stable and interference-resistant transmission. With a 200-channel UHF system and infrared frequency pairing, it enables fast synchronization and flexible multi-device operation. The system is equipped with a clear display for real-time monitoring of frequency, channel, and signal status, along with independent volume control for each channel. The handheld microphones adopt dynamic capsules for natural and clear sound pickup, and support selectable high- and low-power transmission modes to suit different scenarios. Delivering high signal-to-noise ratio and low distortion, it ensures clear and stable sound reproduction, while balanced XLR and 6.35mm mixed outputs provide wide compatibility, making it ideal for conferences, performances, and various live sound applications.

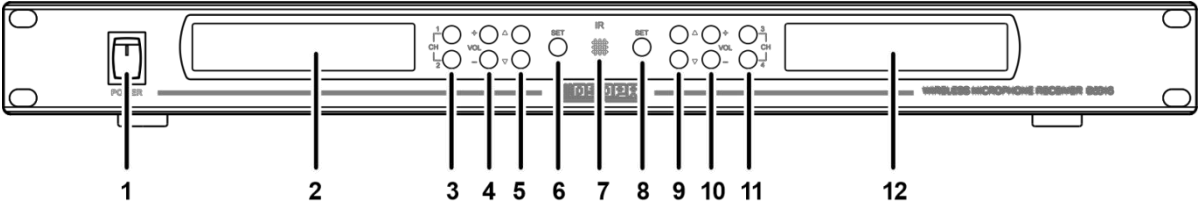
Features

- Four-channel PLL (Phase-Locked Loop) design.
- UHF 200-channel PLL digital locking with automatic synchronization and communication.
- Infrared (IR) frequency synchronization.
- Equipped with a display screen showing frequency, group, signal strength, and volume level.
- Independent volume adjustment for each channel.
- Dynamic microphone capsule for reliable and natural sound pickup.
- Selectable high-power and low-power transmission modes.
- Adjustable RF signal strength and volume levels.

Specifications

Model	D5841
Receiver	
Frequency Range	632-695.25MHz
Number of Channels	200
Frequency Step	250KHz
Dynamic Range	88dB
Maximum Frequency Deviation	±45KHz
Audio Frequency	120Hz-16KHz (±3dB)
Signal-to-Noise Ratio (SNR)	> 73dB
Total Harmonic Distortion (THD)	≤1%
Operating Temperature	-10℃ — +40℃
Antenna Interface	BNC / 50 Ω
Sensitivity	≤-95dBm
Display Type	Display Screen
Operating Power	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 Channel 1 & 2 Display Screen.
- ③ Channel Selection & Mode Switch Buttons
- Long press the CH1 button to enter mode

switching.

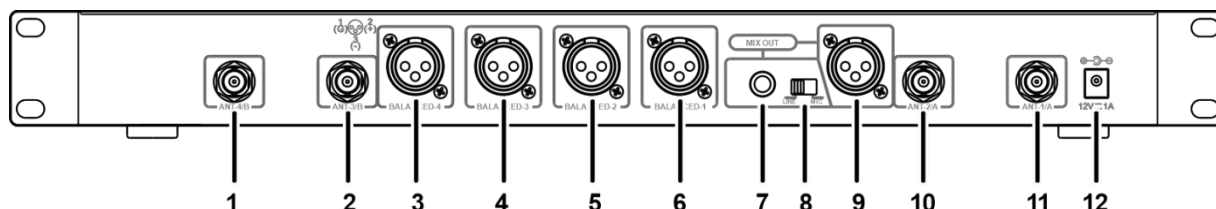
Short press the CH2 button to select Mode 1 or Mode 2.

Long press the CH1 button again to save and

exit.

- ④ Channel 1 & 2 Volume + / Volume - Button
- ⑤ Channel 1 & 2 Group and Frequency ID Increase / Decrease Buttons
- ⑥ Channel 1 & 2 Frequency Pairing Button
- ⑦ Infrared Frequency Pairing Window
- ⑧ Channel 3 & 4 Frequency Pairing Button

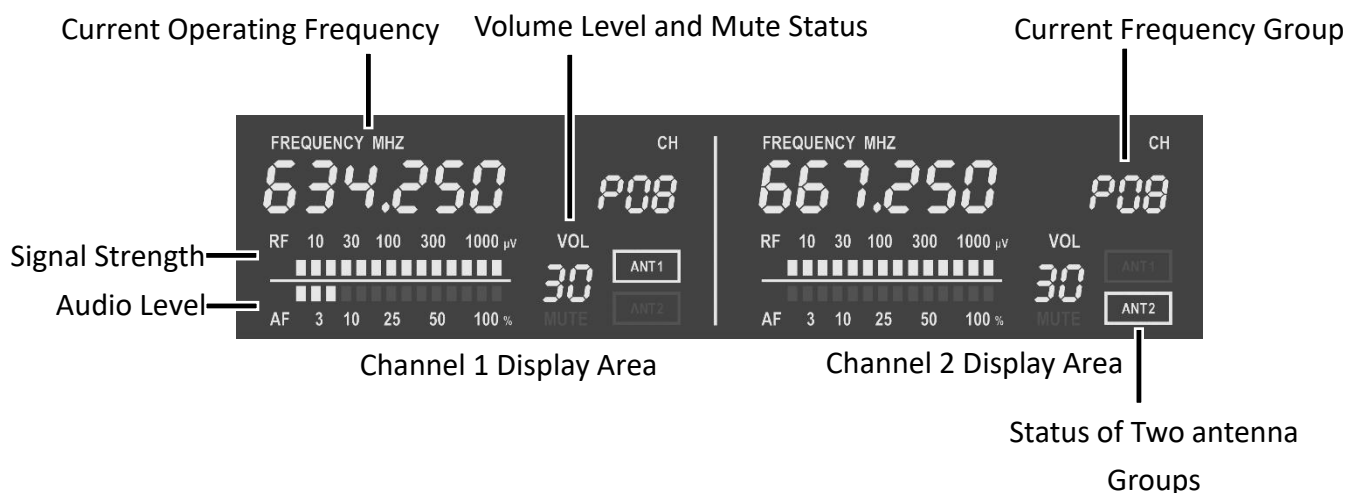
- ⑨ Channel 3 & 4 Group and Frequency ID Increase / Decrease Buttons
- ⑩ Channel 3 & 4 Volume + / Volume - Button
- ⑪ Channel 3 & 4 Selection Buttons.
- ⑫ Channel 3 & 4 Display Screen.



- ① Antenna Input
- ② Antenna Input
- ③ Channel 4 Balanced Output (XLR)
- ④ Channel 3 Balanced Output (XLR)
- ⑤ Channel 2 Balanced Output (XLR)
- ⑥ Channel 1 Balanced Output (XLR)
- ⑦ 4-Channel Mixed Output (6.35 mm)
- ⑧ Mixed Output Level Switch (LINE: 150 mV, MIC: 7 mV)
- ⑨ 4-Channel Mixed Balanced Output (XLR)
- ⑩ Antenna Input
- ⑪ Antenna Input
- ⑫ Power Input

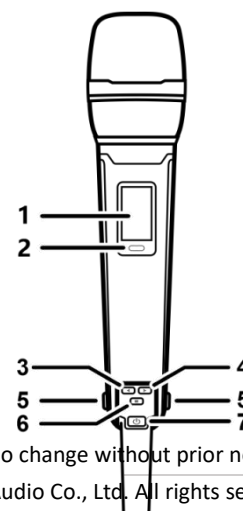
Display Description

The display functions of all 4 channels are identical. Channel 1 and Channel 2 are used as examples below.



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