

D5841L

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



Description

The D5841L True Diversity UHF Wireless Microphone System (1 Receiver + 4 Rechargeable Handheld Microphones) is a reliable solution for professional audio applications, featuring a four-channel PLL design for stable and interference-resistant wireless transmission. With a 200-channel UHF system and infrared (IR) frequency synchronization, it enables fast pairing and flexible multi-system operation. The receiver is equipped with a display screen for real-time monitoring of frequency, channel, squelch, and signal status, while supporting independent volume adjustment for each channel. The rechargeable handheld microphones adopt dynamic capsules for natural and clear sound pickup, and feature a 0.96" TFT color display showing frequency, channel, RF signal strength, and volume level. Supporting selectable high- and low-power transmission modes, the system adapts to different application environments while maintaining stable performance. With high signal-to-noise ratio, low distortion, Type-C charging support, and a dedicated charging dock, the system delivers clear and stable sound reproduction, making it ideal for conferences, speeches, performances, and various live sound applications.

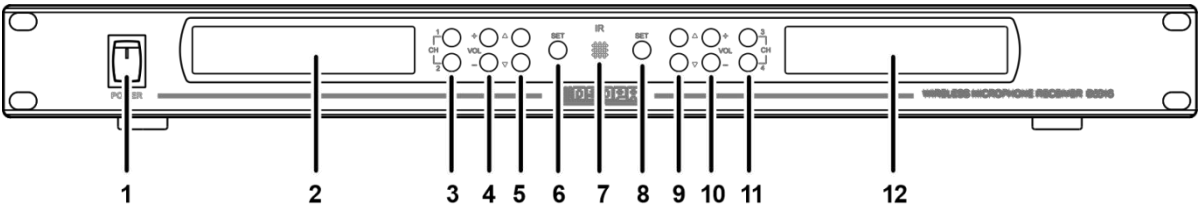
Features

- Four-channel PLL (Phase-Locked Loop) design.
- UHF 200-channel PLL digital locking with automatic communication.
- Using infrared frequency pairing.
- Equipped with a display screen showing frequency, group, signal strength, and volume level.
- Independent volume adjustment for each channel;
- Equipped with a dynamic microphone capsule for reliable and natural sound pickup;
- 0.96" TFT color display showing frequency, channel, RF signal strength, and volume level;
- Infrared (IR) frequency synchronization;
- Adjustable RF signal strength and volume levels
- Supports Type-C charging and dedicated charging dock

Specifications

Model	D5841L
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
Power Supply	DC 12 V, 600 mA
Product Dimension	483×196×44mm
Weight	2.3kg
Wireless Microphone	
Antenna Type	FPC Antenna
Output Power	High Power: 14dBm; Low Power: 6dBm
Spurious Suppression	-60dB
Power Supply Mode	3.7V / 3000mA Lithium Battery
Battery Life	>10 hours at 14dBm; >15 hours at 6dBm
Display Type	Display Screen
Product Dimension	35×250mm
Weight	0.2kg

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.

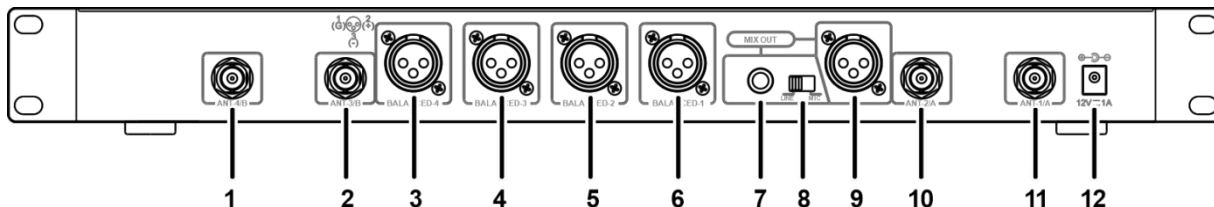
Short press the CH2 button to select Mode 1 or Mode 2.

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

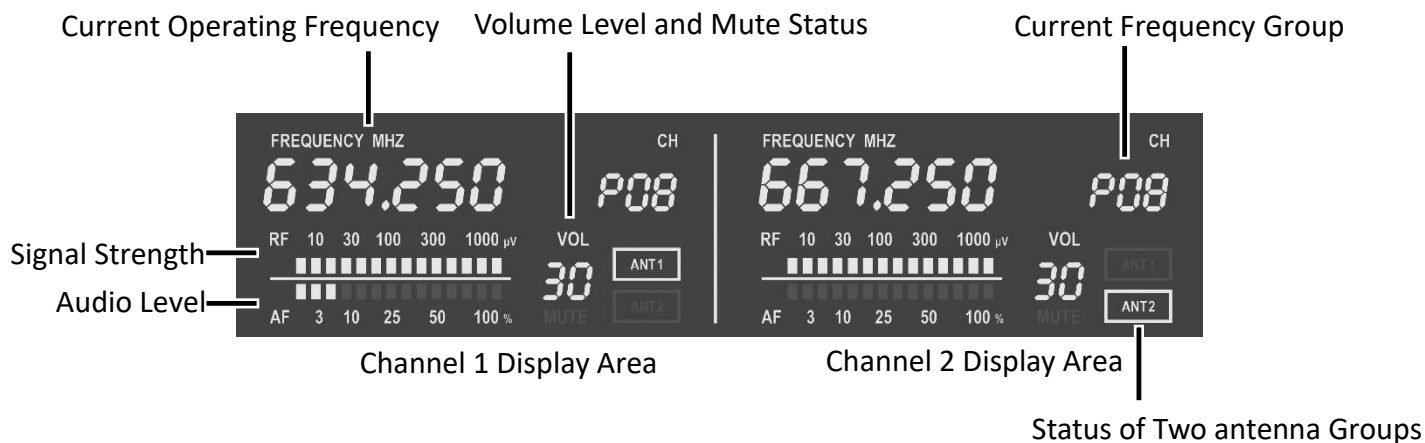
- ⑧ Channel 3 & 4 Frequency Pairing Button
- ⑨ Channel 3 & 4 Group and Frequency ID Increase / Decrease Buttons
- ⑩ Channel 3 & 4 Volume + / Volume - Button
- ⑪ Channel 3 & 4 Selection Buttons.
- ⑫ Channel 3 & 4 Display Screen.



- 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

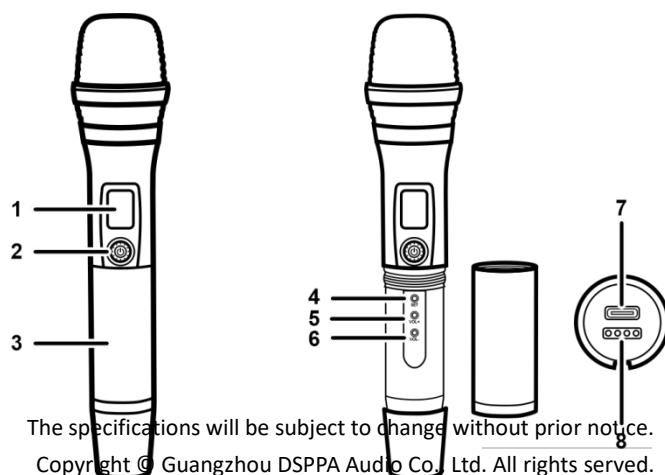
Display Description

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 & Infrared (IR) Synchronization Window
2. Power Switch (Press and hold for 3 seconds to power on/off)
3. Handle Cover (Rotatable and removable)
4. SET Button



5. VOL+ Button (Volume up, high–low RF power switching, RF power lock / unlock, mode switching)
6. VOL- Button (Volume up, high–low RF power switching, RF power lock / unlock, mode switching)
7. TYPE-C Charging Port
8. Charging Contacts (for charging with the dedicated charging case)

Display Description

