

D5842

True Diversity UHF Wireless Lavalier Microphone System

(1 Receiver + 4 Lavalier Microphones + 4 Bodypack Transmitters)



Description

The D5842 True Diversity UHF Wireless Microphone System (1 Receiver + 4 Lavalier Microphones + 4 Bodypack Transmitters) is designed for conferences, presentations, and professional audio applications. Featuring a four-channel PLL design and 200-channel UHF digital locking technology, it provides stable transmission and reliable anti-interference performance, while infrared frequency pairing enables fast synchronization between the receiver and transmitters. The receiver supports independent volume adjustment for each channel and features a display screen for monitoring frequency, channel, squelch, and signal status. The lavalier microphones include display screens showing frequency and battery status, as well as adjustable input gain control for flexible operation. With clear sound quality, low distortion, and over 8 hours of battery life, the D5842 ensures stable and reliable wireless audio performance for various applications.

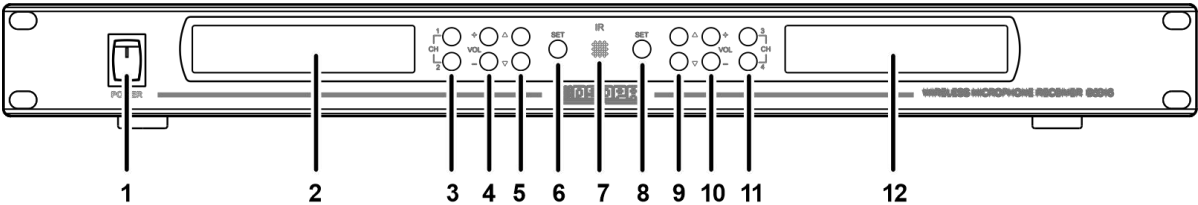
Features

- 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.
- Single-lavalier microphone design.
- Display screen showing frequency and battery status.
- Adjustable input gain control.
- Powered by 2 × AA batteries.

Specifications

Model	D5842
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
Bodypack Transmitter	
Antenna Type	¼-Wave Whip Antenna
Output Power	14dBm
Spurious Suppression	-60dB
Power Supply Mode	2 × AA (1.5 V) Alkaline Batteries
Battery Life	> 8 Hours
Display Type	Display Screen
Product Dimension	110×64×25mm
Weight	0.1kg

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

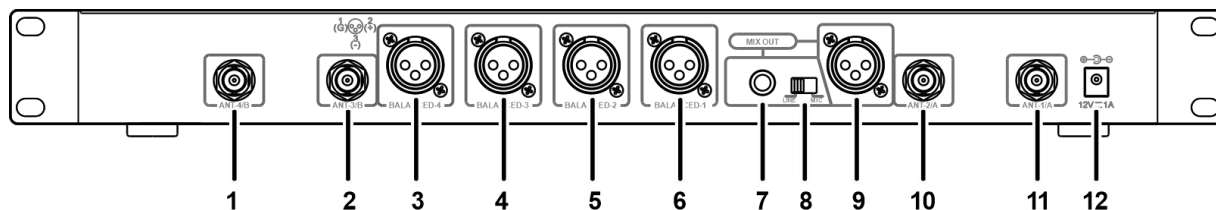
- ⑥ Channel 1 & 2 Frequency Pairing Button
⑦ Infrared Frequency Pairing Window
⑧ Channel 3 & 4 Frequency Pairing Button
⑨ Channel 3 & 4 Group and Frequency ID

Increase / Decrease Buttons

- ⑩ Channel 3 & 4 Volume + / Volume -

Button

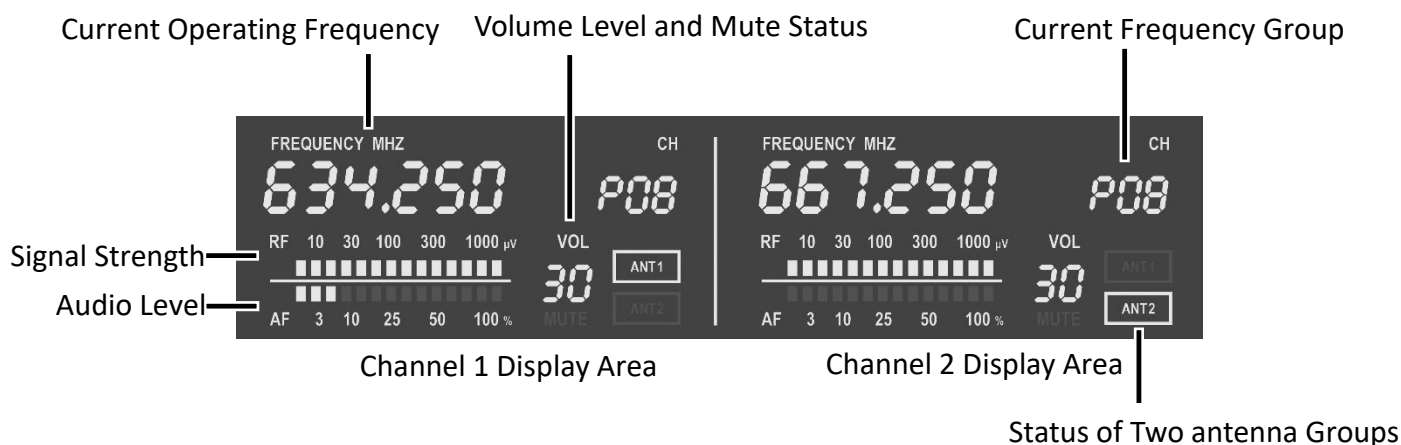
- ⑪ Channel 3 & 4 Selection Buttons.
⑫ Channel 3 & 4 Display Screen.



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

Display Description

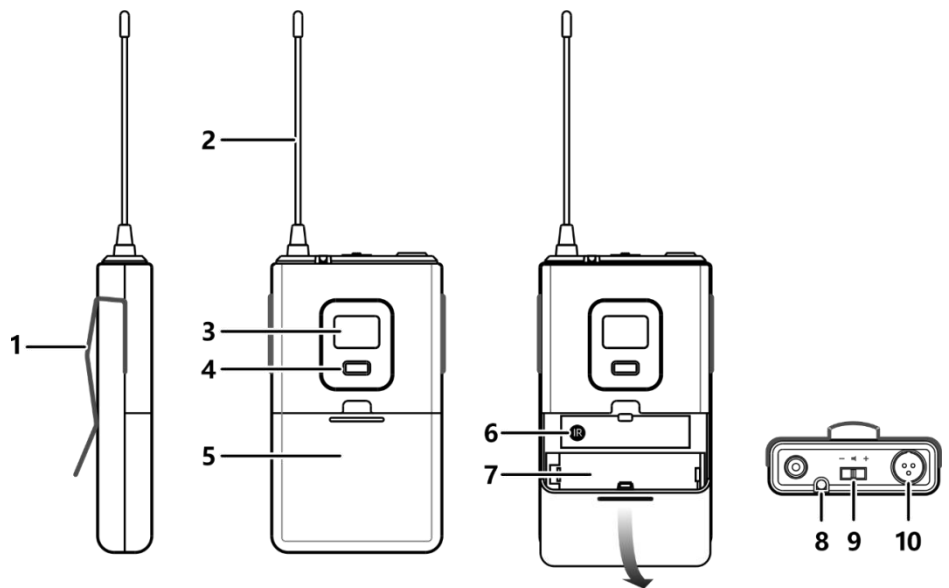
The display functions of all 4 channels are identical. Channel 1 and Channel 2 are used as examples below.



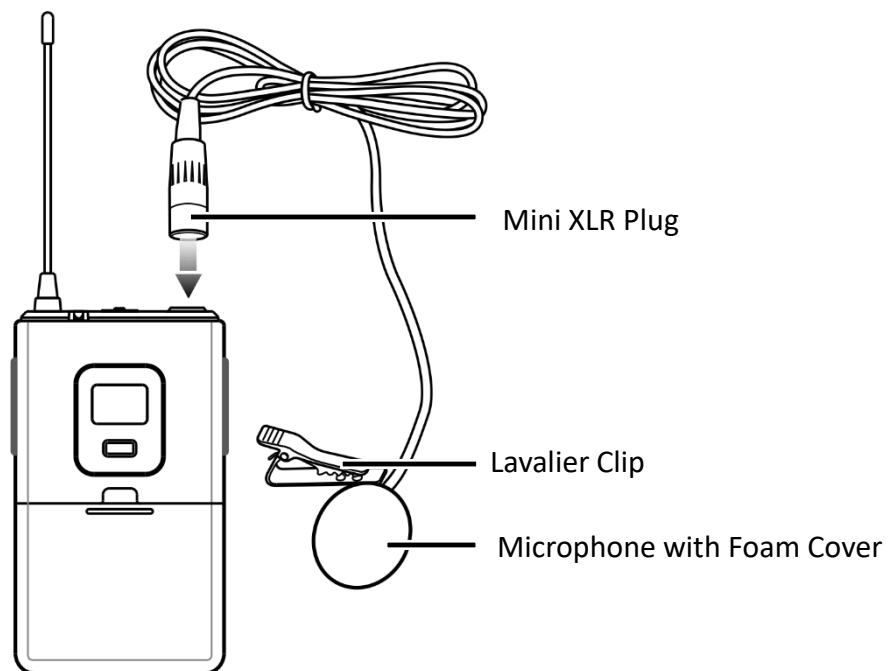
Wireless Microphone Buttons and Interfaces

Bodypack Transmitter

1. Belt Clip (for securing the wireless microphone)
2. 4G Antenna
3. Display Screen
4. Power Switch
5. Battery Compartment Cover
6. Infrared (IR) Synchronization Window
7. Battery Compartment
8. Status Indicator Light
9. Gain Adjustment Switch
10. Detachable XLR Connector



Using with a Lavalier Microphone



1. As shown in the illustration, insert the Mini XLR plug of the lavalier microphone into the microphone's XLR connector.
2. Attach the lavalier clip to clothing, a tie, a collar, or another suitable position for optimal sound pickup.