

Specification

Product Name: Dual-channel Wireless Headset Microphone

Product Model: HY-M2002T

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Production Department: Product Department

Huain (Zhuhai) Digital Technology Co., Ltd.

1、 Product Overview

1.1 Product Image



2、 Product Specifications and Parameters

2.1 Functional Parameters

1. Adopts UHF dual-channel multi-frequency design with high-precision PLL (Phase-Locked Loop) frequency synthesis technology for more stable transmission.
2. Operates in the 610–695MHz frequency band (with optional 530–580MHz and 780–830MHz bands) and features 240 adjustable frequency points, allowing easy use of multiple systems simultaneously and avoiding various interferences.
3. The receiver uses a rotary control and is equipped with a 2.69" high-brightness LCD display, which can dynamically show system signal strength, volume, channel, frequency point values, scanning frequency, and other information.
4. The microphone has a high-brightness 1.0" LCD display that dynamically shows unit battery level, volume, channel, and other information.
5. Advanced automatic frequency matching technology with automatic frequency search and ACT (Automatic Channel Targeting) functions.
6. Channel locking function to prevent accidental changes to the current settings during operation.
7. Dual independent antennas for audio and data transmission ensure more stable and reliable sound quality.
8. Equipped with two independent XLR outputs and one mixed XLR output, with adjustable mixed output level, supporting independent recording and storage of meeting audio.
9. The receiver offers 20 levels of volume adjustment, allowing independent volume control for

each channel.

10. The receiver includes a 3.5mm audio monitoring or recording function, with freely adjustable volume.
11. The microphone features an independent power switch button, effectively preventing leakage and adhering to a user-friendly design.
12. Supports dual power supply modes, using either two AA batteries or rechargeable NiMH batteries.
13. Low-power design with dynamic battery display and low battery alert, supporting up to 10 hours of continuous standby use.
14. Advanced electrostatic isolation design prevents static electricity, even in dry environments and regions.
15. Strong anti-interference capability, effectively isolating interference from mobile phones, radio waves, Bluetooth, WiFi, and other signals, ensuring no noise during incoming calls.
16. Supports the use of wireless gooseneck microphones, headset microphones, lavalier microphones, and handheld microphones in various combinations, providing strong versatility.

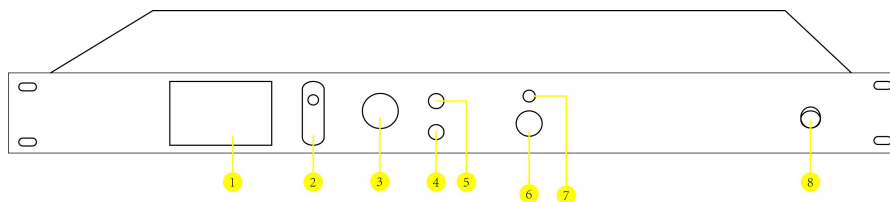
2.2 Technical Parameters

Model	Wireless Conference Receiver
Frequency Range	610-695MHz
Modulation Mode	FM
Adjustable Range	85MHz
Number of Channels	240
Channel Spacing	350KHz
Frequency Stability	Within $\pm 0.005\%$
Dynamic Range	>105dB
Maximum Frequency Deviation	$\pm 45\text{KHz}$
Frequency Response	50Hz-20KHz
Overall S/N Ratio	>105dB
Total Harmonic Distortion	$\leq 0.5\%$
Effective Range	80M
Wireless Interface	BNC/50 Ω

Number of Antennas	2
Sensitivity	12 dB μ V (80dBS/N)
Sensitivity Adjustment Range	12-32 dB μ V
Spurious Suppression	\geq 80dB
Audio Output	Mixed Output: 0~200mV, Balanced Output: 0~400mV
Power Supply	DC 12V/ 1000mA
Power Consumption	Standby 3W
Color	Gray

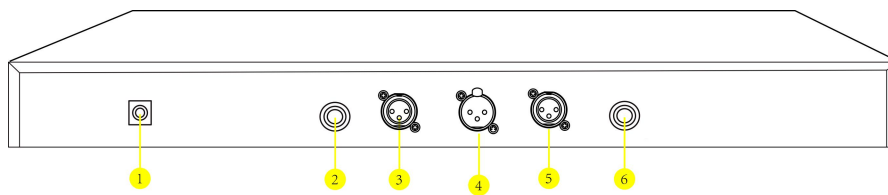
3、Product Introduction

Front Panel



- 1、Display: 2.69" high-definition LCD display.
- 2、Infrared Window: Infrared frequency synchronization window.
- 3、Rotary Knob: Used to select, adjust, and confirm functions.
- 4、Channel Selection: Allows selection of the channel to be adjusted.
- 5、Lock/Unlock: Long press to lock or unlock the operation functions, preventing accidental operation (long press for 3 seconds).
- 6、Rotary Knob: Adjusts the headphone jack volume across 20 levels.
- 7、3.5mm Headphone Jack: For audio monitoring or recording, with freely adjustable volume.
- 8、Power Switch: Turns the power on or off.

Rear Panel



1. Power Interface: Connect to a DC 12V 2000mA power adapter for power supply.
2. Channel B Audio Output: Independent balanced audio output for channel B.
3. Antenna B Receiver Interface: Frequency range of 600-700MHz.
4. XLR Audio Output: Mixed audio output.
5. Channel A Audio Output: Independent balanced audio output for channel A.
6. Antenna A Receiver Interface: Frequency range of 600-700MHz.