

Specification

Product Name: Wireless Handheld Microphone

Product Model: HY-U1602MS

Document Version: A/1 (2024.4.15)

Production Department: Product Department

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1、Product Overview

1.1 Product Image



2、Product Specifications and Parameters

2.1 Functional Parameters

1. Dual UHF Channel Multi-Channel Design: Utilizes high-precision phase-locked loop (PLL) frequency synthesis technology for more stable transmission.
2. High-Brightness LCD Display: Dynamically displays system signals, volume, channel, and frequency values.
3. New Audio Circuit Architecture: Features advanced automatic frequency matching technology, automatically searches for interference-free channels for easier installation.
4. New Concept Digital Pilot Technology: Solves the problem of frequency interference between multiple systems.
5. Automatic Mute Function: Automatically mutes the microphone if it remains stationary for 3 seconds, enters energy-saving standby mode after 5 minutes, and shuts down completely after 15

minutes.

6. Ground Mute Function: A new concept intelligent and automated wireless microphone.

7. Frequency Band: Operates in the 640-690MHz range with 2×100 selectable frequencies, allowing for easy use of multiple systems and avoidance of various interferences.

8. Feedback Suppression Circuit: Features superheterodyne double-frequency design with high receiver sensitivity for easier tuning.

9. RF Section: Uses multi-stage high-performance dielectric filters for excellent interference resistance.

10. Intermediate Frequency (IF) Filters: First IF uses acoustic surface filters; second IF uses triple ceramic filters, enhancing interference resistance.

11. Specially Designed Mute Circuit: Completely eliminates impact noise when the microphone is turned on or off.

12. Adjustable Transmit Power and Noise Gate Threshold: Receiver panel includes external noise gate control knob.

13. Unique Boost Design: Battery level drop does not affect microphone performance.

14. Independent Receiver Sensitivity Adjustment: Allows for user-friendly signal output adjustments and initialization of audio settings.

15. Strong Mobile Phone Interference Resistance: No noise during phone calls and operates normally in venues with mobile signal blockers.

16. Outputs: Two independent XLR outputs and one 6.35mm mixed output for independent audio recording and saving throughout the meeting.

17. Effective Range: Up to 60 meters in ideal conditions, suitable for various high-demand meeting environments.

18. Compatibility: Multiple systems can be used simultaneously in the same location, compatible with lapel microphones and desktop conference units.

19. Power Supply: Uses an external DC12V power adapter to ensure safety and stability under unstable voltage conditions.

20. Low Power Design: Can use two 1.5V AA alkaline batteries or rechargeable batteries for practical and convenient replacement.

2.2 Technical Parameters

Receiver Specifications	
Receiver Type:	Dual conversion superheterodyne
Intermediate Frequency (IF):	First IF: 110MHz; Second IF: 10.7MHz
Wireless Interface	BNC/50 Ω
Sensitivity	12dB μ V(80dBS/N)
Sensitivity Adjustment Range	12-32dBuV
Spurious Suppression	>75dB
Maximum Output Level	+10 dBV
Transmitter Specifications	
Antenna Type	The belt-pack transmitter uses a 1/4 wave whip antenna, and the handheld microphone has a built-in helical antenna.
Output Power	High power 30mW; Low power 3mW
Spurious Suppression	.-60dB
Power Supply	Two AA batteries
Usage Time	Over 4 hours at 30mW, over 8 hours at 3mW