MAG6363G

2.4G Bluetooth Network Indoor Speaker

Description

MAG6363G 2.4G Bluetooth Network Indoor Speaker is a modern network playback terminal based on the TCP/IP transmission protocol, which combines a fully digital analog-to-digital conversion signal processor with high-fidelity speaker to realize the integrated design of the processor and the speaker.

Features

Indoor Speaker Features

- A network indoor speaker that combines network terminal processor and high-fidelity speaker.
- With dual network interface redundancy design, it can work across network segments.
- Can be mounted anywhere the network can reach.
- With MP3 decoding and playback function.
- Support 16bit digital audio stream decoding at a maximum sampling rate of 48kHz.
- With built-in 2×15W digital amplifiers, with low power consumption.
- Can play background music, emergency paging and alarm signals from the system host.
- With 1-channel auxiliary audio input interface and 1-channel auxiliary audio output interface, 1-channel microphone input, 1-channel EMC emergency output interface and 1-channel short circuit output.
- With controllable local output volume and local playback status.
- With digital display of working status and information change.
- Can be controlled by the infrared remote controller.
- 2.4G wireless microphone broadcast: Used with 2.4G wireless microphone, mainly for wireless multimedia teaching.
- Bluetooth music broadcasting: It can accept the Bluetooth signal of the mobile phone for Bluetooth music broadcasting.

Wireless Microphone Features

- Long transmission distance: Stable transmission of audio data within an open area of more than 30m.

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- Support 2.4G+ automatic searching of pairing channels with less interference for automatic frequency pairing, and ensure no crosstalk, strong anti-interference capability and stable transmission.
- Expand multiple 2.5G channels, effectively avoiding 2.4G signal interference, such as WiFi / Bluetooth.
- Adopt 64kHz/16bit sampling rate for high-quality audio transmission.
- Adopt two automatic anti-howling algorithms, frequency shift / notch, to effectively suppress howling while ensuring the sound pickup distance.
- With built-in true reverberation function to effectively improve the speech sound quality, with the reverberation level adjustable.
- Support one-key mute function, and the AUX (3.5 audio input interface) can still transmit audio normally after mute.
- Support built-in microphone and external microphone, and can be configured with headset microphone or lavalier microphone.
- Support AUX audio input, the universal 3.5mm interface, and the original wireless transmission of stereo audio signals.
- Support laser pointer and automatic PD control technology to prevent safety accidents caused by excessive laser power; it is strictly forbidden to irradiate the eyes.
- Support PPT page turning: The PPT page turning module supports hot swap without driver software.
- With base charging design and user-friendly design, it has built-in strong magnet for automatic suction if close to it, ensuring good charging contact, while supporting MICRO USB charging.
- With LCD display of connection status, battery power level (charging status), volume, PPT function, etc.
- With automatic power-off memory function for all settings, easy to use with personalized settings.
- With automatic audio energy detection function, the module can output the control signal to mute the amplifier when no speech or no audio input is detected.
- With power saving mode, the device will automatically shut down when it is turned on without connection or operation for 5min, and when it is connected successfully without operation within 1h.
- Small in size, with ultra-low power consumption.
- Display in Chinese / English.
- Adopt sandstone black paint process for excellent feel.

Specifications

Model		MAG6363G
Network Indoor Speaker		
AUX IN	Input Sensitivity	300**mV**
	Frequency Response	25Hz-20kHz
	Distortion	≤0.5%
	SNR	≥75**dB**
AUX OUT	Rated Output	1000**mV**
	Frequency Response	20Hz-20kHz
	Distortion	≤0.5%
	SNR	≥75**dB**
MIC IN	Input Sensitivity	4**mV**
	Frequency Response	25Hz-16kHz
	Distortion	≤0.5%
	SNR	≥70**dB**
USB/SD/NET Play MP3	Frequency Response	20Hz-20kHz
	Distortion	≤0.5%
	SNR	≥75**dB**

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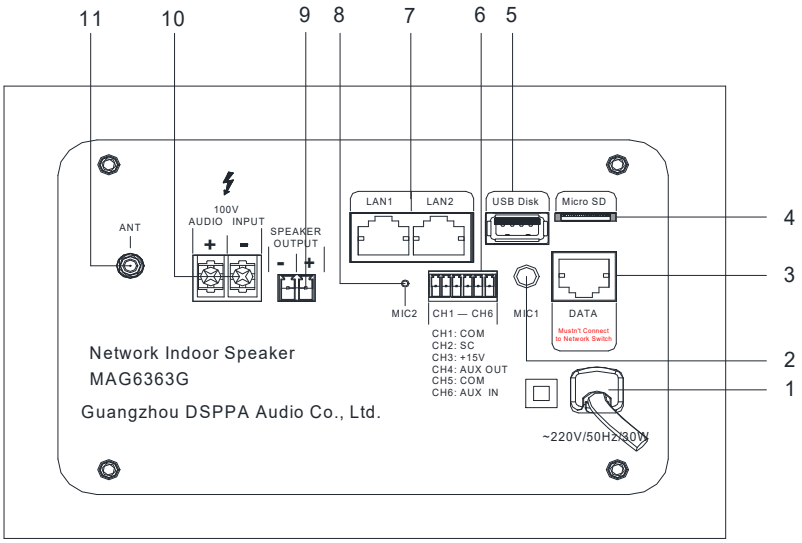
100V Audio Output	Rated Output Power	30W
	Frequency Response	100Hz-15kHz
	Distortion	≤1%
	SNR	≥70**dB**
100V Backup Conversion Time		220ms (±50ms)
Supported SD Card Capacity		32GB
Supported USB Flash Disk Capacity		32GB
Power Supply		AC220V/50Hz
Display Screen		Digital Screen
Wireless 2.4G MIC		
Wireless MIC Input Sensitivity		100mV±10mV
THD		＜1%
Frequency Response		50Hz～10KHz(-3dB)
Wireless AUX Input Sensitivity		550mV±50mV
THD		＜1%
Frequency Characteristics		40Hz～14KHz(-3dB)
THD		＜1%
Frequency Characteristics		70Hz～8KHz(-3dB)
Transmission & Reception Distance		≥10m
SNR		≥70dB
Frequency Pairing Mode		Automatic frequency pairing, automatic frequency hopping, automatic frequency lock, 1 to 1 pairing.
Pairing Distance		Set within 2m, which can be modified through the microphone.
Package Dimensions (L×W×H mm)		405×405×275mm
Machine Dimensions (L×W×H mm)		330×200×150mm
Gross Weight (2pcs)		12kg
Net Weight		5.3kg

Front / Rear Panel

Indoor Speaker Top Panel



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1 **AC220V Power Cord**
Supply working power for the machine.

2 **MIC Jack**
Connect a microphone to realize functions such as local paging or live speech. Note: Please use a three-segment microphone plug.

3 **DATA Interface**

4 **SD Card Slot (Micro SD)**
Insert a SD card with timing points to provide audio sources for the timing points when the terminal is offline.

5 **USB Interface (USB Disk)**
Insert a USB or a mobile hard disk with MP3 programs to provide program sources for the built-in MP3 player.

6 **CH1-CH6 Wiring Connector**

- CH1-CH3: Override playback output port (The signal output from this interface is controlled by the host.).
- CH4: Line output port.
- CH5: Line input and line output common.
- CH6: Line input port.

7 **Network Interface (LAN1/LAN2)**
With dual network interface design to connect the network switch hand in hand.

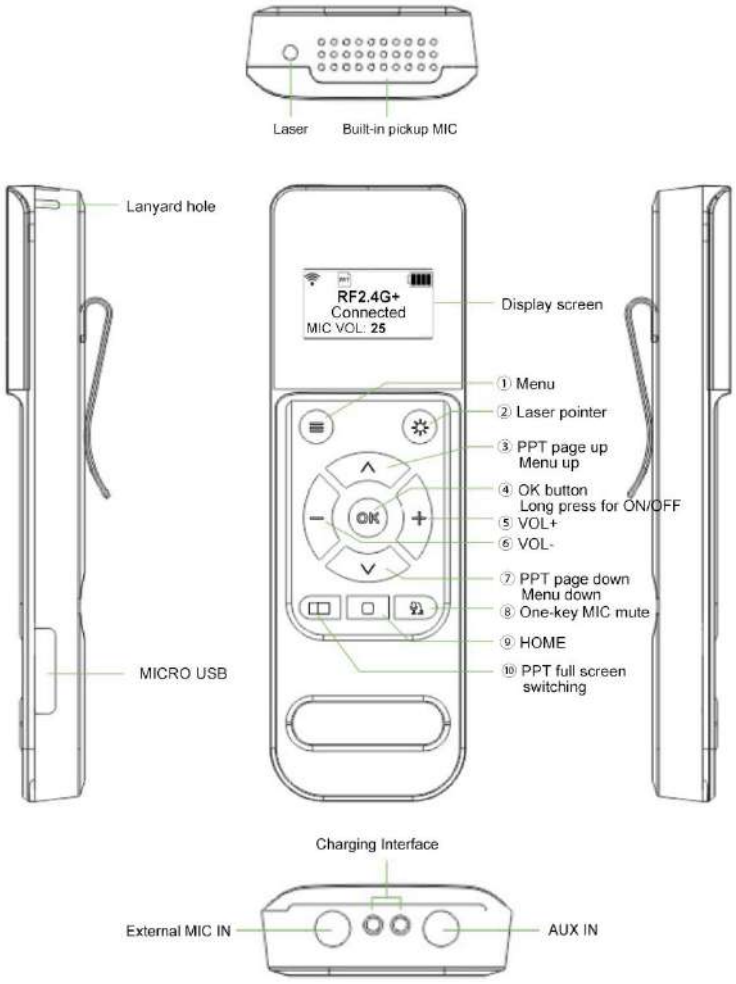
8 MIC2 Live Monitor Microphone Input

9 **Amplifier Output Interface (Speaker)**
Can connect a 4Ω / 15W speaker.

10 **100V Audio Input Interface**
Connect the 100V audio signal of the third-party system amplifier.

11 **Antenna Interface**

2.4G Wireless Microphone Functions & Operating Instructions



① "≡" Main Menu Button	Press this button to enter the main menu interface where "PPT Settings", "Reverb Settings" and "System Settings" are displayed.

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	PPT Settings	Enter the PPT settings to turn on or off the PPT function.
	Reverb Settings	Enter to select “Reverb OFF”, “Reverb 1” and “Reverb 2”. Reverb 1/2 refers to the degree of the reverberation effect (Reverb 2 > Reverb 1).
	System Settings	Enter to set “Language”, “2.4G+ Settings” and “Contrast Adjustment”. Language: Can select Chinese or English. 2.4G+ Settings: Can select “ON”, “OFF” or “Pairing Power”. If select “ON”, the handheld microphone can be paired with the speaker for connection. If select “OFF”, the handheld microphone can not be paired with the speaker. If select “Pairing Power”, you can choose the level 1-4. The pairing power is mainly used for the distance for connection between the handheld microphone and the speaker. Level 1: 1m; Level 2: 1.5m; Level 3: 2m; Level 4: 4m. Contrast Adjustment: Can adjust the brightness and transparency of the background and the display font, with the minimum of 30, and the maximum of 62.
② Laser Button	The laser button is in the upper right corner. Press it to open the laser pointer for teaching use, and press and hold it when using it. Press the laser pointer button to project an infrared laser, used as a teaching pointer. When using the laser teaching pointer, it can be used directly without turning on the microphone.	
③Page Up/⑦ Page Down	"∧" is the page up button, while "∨" is the page down button. The page up / page down buttons are only used when selecting the function settings and performing the PPT page.	
④ Power Control Button	“OK” is the power control button. Press and hold the power button for 1-2 seconds to turn it on / off. “Hello.” for power-on, while “Bye.” for power-off.	
⑤⑥ Volume Control Buttons	“+” is the volume up button, while “-” is the volume down button. Short press the “+” button to increase the volume accordingly, with the maximum of 32. Short press the “-” button to decrease the volume accordingly, with the minimum of 0. Can increase or decrease the volume of the handheld microphone MIC and AUX, and switch the volume of the MIC and AUX by the “OK” button.	
⑧ Mute Button	The mute button is in the lower right corner. Press once to mute, and press again to unmute.	
⑨ Back Button	The “□” button is the return button. Press to return to the main interface.	
⑩ PPT Full Screen Button	The PPT full screen button is in the lower left corner. After connecting the computer to open the PPT, press it to enlarge the PPT page to full screen, and press it again to restore the PPT page to the original page.	
MIC/AUX Jack	There are two 3.5mm jacks on the left and right sides of the handheld microphone. The left one is the MIC jack and the right one is the AUX jack. When an audio source is playing through the jacks, the interface of the handheld microphone will display whether the MIC or AUX is inserted.	

Note:

- Pairing is required when using the PPT function for the first time. First turn on the PPT function, plug in the PPT receiver, press and hold the up button and the down button at the same time for pairing. After the pairing is successful, the PPT icon will stop flashing and keep on. During menu operation, the PPT

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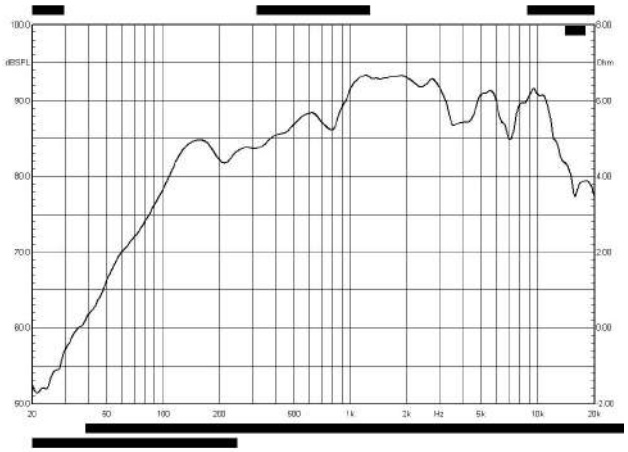
button operation is invalid.

- After the 2.4G audio connection is successful, if connect other receiving devices, you need to shut down and restart before pairing again.

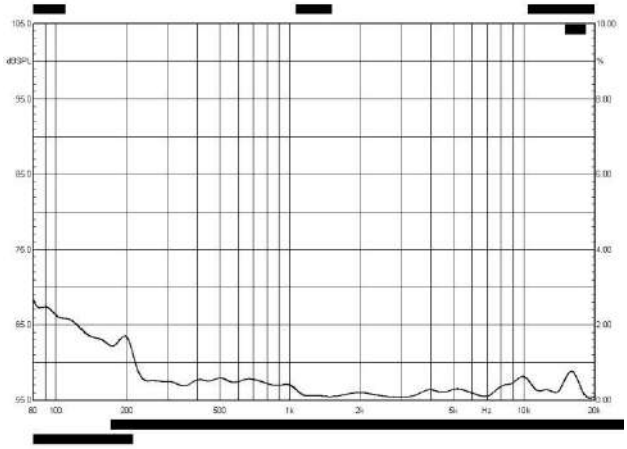
Frequency Response

(dB SPL, 1W, 1m)



Distortion

(THD< 3% 1W, 1m, 110Hz-15kHz)



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