

# JBL AMP SERIES

## AMP-N

### Wireless Hands-Free Microphone

### Operation Instructions

### 便携无线话筒

### 操作说明



Issued:07/2020

### 操作说明

#### 1. 开箱

设备到货后，请及时开箱验收并检查设备是否存在因运输造成的损坏。如发现损坏，请立即联系承运方。此类运输损伤的索赔申诉须由设备收件人提出。如到货设备存在损坏迹象，请保留装箱以待运输公司检查。

**⚠️ 所有设备包装材料建议妥善保管，以便日后运输设备时使用。请勿在无工厂包装情况下运输设备。**

装箱清单如下：

- 1) 便携无线话筒 x 1个
- 2) 5号电池 x 1个
- 3) 挂绳 x 1条
- 4) 操作说明书 x 1张
- 5) 麦克风防风罩 x 1个

#### 2. 外形结构说明 (图1)

- ① -麦克风
- ② -鹅颈，可以灵活调整角度
- ③ -按键：音量+
- ④ -按键：音量-
- ⑤ -电源指示灯
- ⑥ -对频指示灯
- ⑦ -电源/对频按键
- ⑧ -静音指示灯
- ⑨ -静音按键
- ⑩ -电池仓盖
- ⑪ -电池仓盖按钮 (按下可松开卡扣，卸下电池仓盖)
- ⑫ -弹力夹
- ⑬ -红外对频窗
- ⑭ -内置有天线，用来传输射频信号

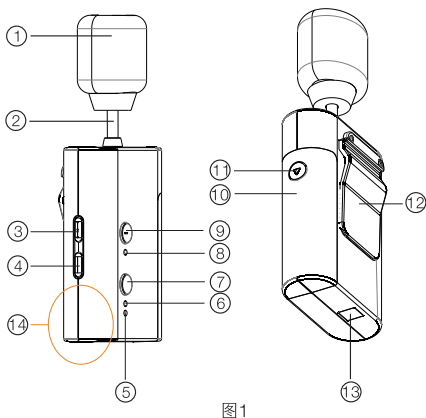


图1

#### 3. 按键说明

##### • 电源/对频按键：

1. 长按开启/关闭电源。
2. 电源开启后，短按同步主机频率 (对频)。

- **静音按键：**短按无线话筒静音，再短按取消静音。
- **音量+按键：**短按无线话筒的音量步进增加；长按音量连续增加。
- **音量-按键：**短按无线话筒的音量步进减少；长按音量连续减少。

**⚠️ 使用时，严禁遮挡该区域。**

### Operation Instructions

#### 1. Unpacking

After the equipment has arrived, please unpack it and check for any damage due to transportation. In case of damage, please contact the shipper immediately. Claims for such transport damage must be filed with the invoice. Please also keep the shipping box for inspection by the transport company.



It is recommended that all equipment packaging materials be kept for future use when transporting equipment. Do not transport equipment without factory packaging.

The packing list is as follows:

- 1) Wireless Hands-Free Microphone × 1
- 2) AA battery × 1
- 3) Lanyard × 1
- 4) Operation instructions × 1
- 5) Microphone windshield × 1

#### 2. Instructions for Outline Structure (Figure 1)

- ①-Microphone
- ②-Gooseneck (Angle can be adjusted flexibly)
- ③-Button: volume+
- ④-Button: volume-
- ⑤-Power indicator
- ⑥-Frequency matching indicator
- ⑦-Power/frequency matching button
- ⑧-Mute indicator
- ⑨-Mute button
- ⑩-Battery compartment cover
- ⑪ -Battery compartment cover button (Press to release the buckle and remove the battery compartment cover)
- ⑫ -Elastic clip
- ⑬ -Infrared frequency matching window
- ⑭ -Built-in antenna, transmitting radio frequency signals

**⚠️ Do not block this area when using**

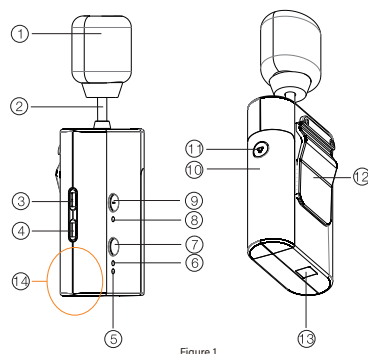


Figure 1

#### 3. Button Instructions

##### Power/frequency matching button:

1. Press and hold to turn the power on/off.
2. After the power is turned on, short press to synchronize the host frequency (Frequency Matching).

**Mute button:** Short press the wireless microphone to mute, then short press to unmute.

**Volume+:** Short press the volume of the wireless microphone to increase step by step, and long press the volume to increase continuously.

**Volume-:** Short press the volume of the wireless microphone to decrease step by step, and long press the volume to decrease continuously.

#### 4. LED指示说明

- 静音指示灯 (红灯, 见图1第8项) ---闪亮, 表示无线话筒处于静音状态。
- 电源指示灯 (绿灯, 见图1第5项) ---长亮, 无线话筒已开启, 电池电量充足。
- 慢闪, 表示电池电量大约为30%左右, 建议尽快更换电池。
- 快闪, 表示电池电量低于10%, 建议马上更换电池。
- 对频指示灯 (蓝灯, 见图1第6项) ---闪亮, 表示正在对频中。
- 闪亮后长亮5秒再熄灭, 表示对频成功。

#### 5. 安装电池

从包装中取出无线话筒, 按图2所示卸下电池仓盖, 然后按住图3标示的极性装入电池并装上电池盖。

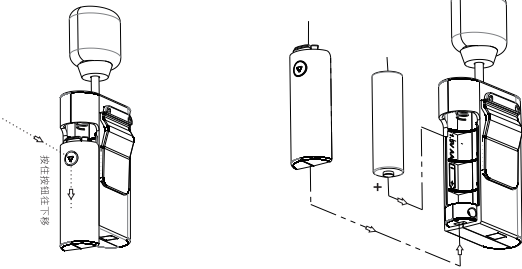


图2 (卸下电池仓盖)

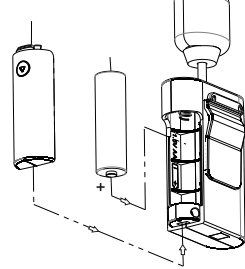


图3 (安装电池)

#### 6. 电源开启和关闭操作

- 开启:** 按下电源/对频按键 (见图1第7项) 约2秒左右, 无线话筒自动打开。
- 关闭:** 按下电源/对频按键约2秒左右, 无线话筒自动关闭。

#### 7. 对频操作

**红外对频:** 开启无线话筒后, 将无线话筒的红外对频窗对准主机AMP150/AMP350屏幕旁边的红外发射窗口。短按电源/对频按键, 无线话筒会自动同步主机设置的频率。

**无线对频:** 开启无线话筒后, 将麦克风指向主机AMP150/350的对频天线。短按电源/对频按键, 无线话筒会自动同步主机设置的频率。



图4

#### 注意:

1. 短按电源/对频按键时, 对频指示灯会先闪烁, 如果对频成功, 则转为常亮5秒, 之后熄灭, 同时主机AMP150/350显示屏上会对应显示无线话筒的信号强度、电池电量等信息; 如果对频不成功, 则闪烁12秒后自动熄灭, 对应主机显示屏上无相关信息显示, 如图4。
2. 使用时, 建议调整挂绳的长度, 使得麦克风与下颌的距离不超过150mm, 否则, 麦克风音量过小, 将影响扩音效果。

#### 8. 使用注意事项

- 1) 使用过程中, 请不要将本话筒放置在主机AMP150/350的接收天线距离300mm范围内, 避免主机接收信号过强, 导致放大饱和, 而出现话筒无声的情况。
- 2) 当长时间不使用本话筒时, 请取出电池, 避免电池漏液可能会造成话筒损坏。
- 3) AMP-N只可以配合智能集成功率放大器AMP150/350使用。

#### 9. 主要技术参数

载频范围	645.25-684.25MHz
载频误差	±10kHz
频率稳定度	±0.002%
可调信道	40个
载波功率	5-8±1dBm
连续工作时间 (2000mA镍氢可充电电池)	>6小时
红外对频有效距离	<200mm
无线对频有效距离	<2米
无线话筒工作距离 (无信号干扰, 可视距离)	≤15米
电池规格	5号电池1节
尺寸	119*52*28mm
净重	0.056Kg (不含电池)
毛重	0.15Kg

#### 4. LED Instructions

- Mute indicator (Red, see Item 8 in Figure 1) ----- flashes, indicating that the wireless microphone is in the mute state.
- Power indicator (Green, see Item 5 in Figure 1) ----- is always on, indicating that the wireless microphone is turned on, and the battery is fully charged.
- Flashing slowly, indicates that the battery capacity is about 30% and it is recommended to replace the battery as soon as possible.
- Flashing quickly, indicates that the battery capacity is lower than 10% and it is recommended to replace the battery immediately.
- Frequency matching indicator (Blue, see Item 6 in Figure 1) ----- flashes, indicating that the frequency is being matched.
- If it flashes for 5 seconds and then goes out, the frequency matching is successful.

#### 5. Battery Installation

Take the wireless microphone out of the package, remove the battery compartment cover as shown in Figure 2, and then install the battery according to the polarity shown in Figure 3, and close the battery cover.

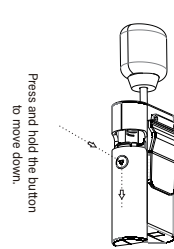


Figure 2 (Remove the Battery Compartment Cover)

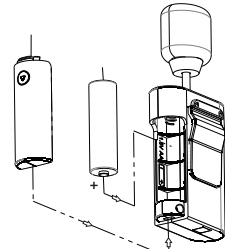


Figure 3 (Battery Installation)

#### 6. Power ON and OFF

**ON:** Press the power/frequency matching button (see Item 7 in Figure 1) for about 2 seconds, and the wireless microphone will turn on automatically.

**OFF:** Press the power/frequency matching button for about 2 seconds, and the wireless microphone will turn off automatically.

#### 7. Frequency Matching

**Infrared frequency matching:** After turning on the wireless microphone, align the infrared emission window of the wireless microphone with the infrared emission window of the host AMP150/AMP350 screen. Short press the power/frequency matching button, and the wireless microphone will automatically synchronize the frequency set by the host.



(Figure 4)

**Wireless frequency matching:** After turning on the wireless microphone, point the microphone to the frequency matching antenna on the host AMP150/350, short press the power/frequency matching button and the wireless microphone will automatically synchronize to the frequency set by the host.

#### Attention:

1. When pressing the power/frequency matching button for a short time, the frequency matching indicator will flash first, and if the frequency matching is successful, it will turn on normally for 5 seconds and then go out. At the same time, the host AMP150/350 display screen will show the signal strength and battery capacity of the wireless microphone. If the frequency matching is not successful, it will flash for 12 seconds and then go out automatically, and no relevant information will be displayed on the corresponding host display screen, as shown in Figure 4.
2. It is recommended to adjust the lanyard length so that the distance between the microphone and the lower jaw does not exceed 150 mm; otherwise, the microphone volume will be too low, which affects the sound amplification.

#### 8. Precautions for Use

- 1) Please do not place the microphone within 300mm of the receiving antenna of the host AMP150/350 in use, so as to avoid a situation where the microphone is silent due to the strong receiving signal of the host.
- 2) If the microphone is not used for a long time, please take out the battery carefully to avoid microphone damage caused by battery leakage.
- 3) AMP-N can only be used together with an AMP150/350 intelligent integrated amplifier.

#### 9. Main Technical Parameters

Carrier-frequency range	645.25 - 684.25MHz
Carrier-frequency deviation	±10kHz
Frequency stability	±0.002%
Tunable channel	40
Carrier power	5-8±1dBm
Continuous working hours (2000mA Ni-MH rechargeable battery)	>6h
Effective distance of infrared frequency matching	<200mm
Effective distance of wireless frequency matching	<2m
Working distance of wireless microphone (no signal interference, visible distance)	≤15m
Battery specification	AA battery × 1
Dimension	119*52*28mm
Net weight	0.056Kg (without battery)
Gross weight	0.15Kg

#### 10. 环保说明

##### AMP-N 产品依据 SJ/T 11363-2014 中有毒有害物质或元素的名称及含量

	铅 Pb及其化合物	汞 Hg及其化合物	镉 Cd及其化合物	六价铬 Cr <sup>6+</sup> 及其化合物	多溴联苯 PBB	多溴二苯醚 PBDE
印制电路板	X	○	○	○	○	○
显示屏	○	○	○	○	○	○
塑料和聚合物部件	○	○	○	○	○	○
金属件	○	○	○	○	○	○

"○" 表示该有毒有害物质在该部件所有均质材料中的含量均在GB/T 26572-2011规定的限量要求以下。

"X" 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572-2011规定的限量要求。

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