



JPA863  
Portable Rechargeable Amp  
Owner's manual

## INTRODUCTION

Thank you for purchasing JOYO product. We know you don't like reading owner's manuals, but you've just purchased one of the finest portable amplifiers, and we want to tell you about it. So before you plug in, please take a few minutes to browse it.

JPA863 features a dual channel Class D power amplifier chip, and peak power reaches up to 120W. The Class D power amplifier chip is characterized by high efficiency and energy-saving, and therefore enhance battery's durability.

JPA863 includes one matched 10" 40hm speaker and one 3" 40hm speaker. With a built-in lead-acid battery, ensuring lightweight and portable and thus suitable for different occasions. Perfect for small venues such as club, home and studio. It also features Aux In and Player functions, together with the Bluetooth function, it will be your best companion.

JPA863's wireless microphone section, using VHF200-270MHz frequency range, is designed with crystal oscillator circuit, which ensures high frequency stability and anti-interference.

In these pages, you'll find a detailed description of the various features of JPA863 portable amplifier, as well as a guided tour through its panel, step-by-step instructions for setting up and using the amp. Additionally, please check out our website [www.joyoaudio.com](http://www.joyoaudio.com) for complete information about our full product line.

## SAFETY INSTRUCTIONS



- Please read the owner's manual before operating the unit and keep it for future reference.
- Do not expose it to extremely hot, humid, dusty areas, magnetic field or areas cause heavy vibration, otherwise it may malfunction.
- Clean only with a clean dry cloth.
- Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
- Protect the power cord from being walked on and pinched particularly at plugs, convenience receptacles and at the point where they exit from the unit.
- Use the attached power adapter only.
- Unplug this unit during thunderstorm, lightning or if it is not in use for a long time.

## IMPORTANT NOTES

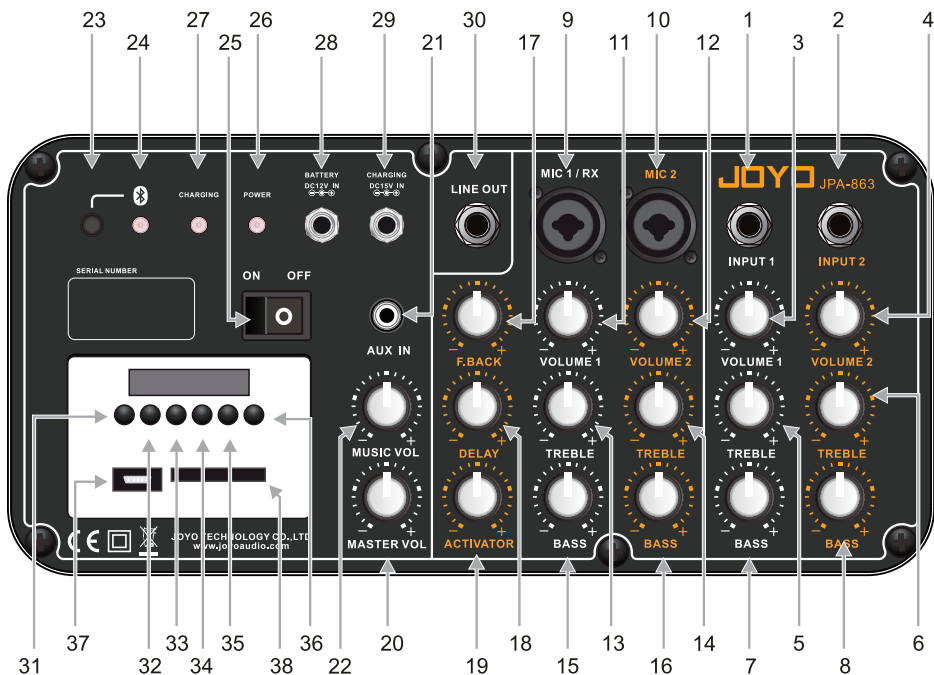
This product is produced according to strict product specifications and supposed to be used in specific areas. If you purchase it online, by mail order or telesales, please verify whether your area is authorized to use this product or not.

## WARNING

It's dangerous to use this product in any unverified areas and you will no longer enjoy the factory warranty. Besides, please keep your invoice for after-sales service.

# Portable Rechargeable Amp

## GUIDED TOUR-PANEL



**1. INPUT1**—Acoustic-electric Guitar Input Jack 1, connect your acoustic-electric guitar to this 6.35mm unbalanced Jack, it's specially designed for processing acoustic-electric guitar's signal.

**2. INPUT2**—Acoustic-electric Guitar Input Jack 2, connect your acoustic-electric guitar to this 6.35mm unbalanced Jack, it's specially designed for processing acoustic-electric guitar's signal.

**3. VOLUME1**—Acoustic-electric Guitar Input 1 volume, turn it clockwise(+), the volume will be turned up, turn it counterclockwise(-), the volume will be turned down. To gain the best SNR, please turn your acoustic-electric Guitar output to a suitable volume, and then turn it to the desired tone.

**4. VOLUME2**—Acoustic-electric Guitar Input 2 volume, turn it clockwise(+), the volume will be turned up, turn it counterclockwise(-), the volume will be turned down. To gain the best SNR, please turn your acoustic-electric Guitar output to a suitable volume, and then turn it to the desired tone.

**5. TREBLE CONTROL KNOB**—For acoustic-electric guitar, Input 1 provides approximately 12dB of boost, when the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. Turn it clockwise(+), the treble will be turned up, turn it counterclockwise(-), the treble will be attenuated.

**6. TREBLE CONTROL KNOB**—For acoustic-electric guitar input 2, it provides approximately 12dB of boost, when the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. Turn it clockwise(+), the treble will be turned up, turn it counterclockwise(-), the treble will be attenuated.

**7. BASS CONTROL**—For acoustic-electric guitar input 1, it provides approximately 12dB of boost, when the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. Turn it clockwise(+), the bass will be turned up, turn it counterclockwise(-), the bass will be attenuated.

**8. BASS CONTROL**—For acoustic-electric guitar input 2, it provides approximately 12dB of boost, when the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. Turn it clockwise(+), the bass will be turned up, turn it counterclockwise(-), the bass will be attenuated.

- 9. MIC1**—Moving coil microphone Input Jack, connect your moving-coil microphone to this balanced or unbalanced Jack, JPA863 amp's input is specially designed for processing signals of moving-coil microphone.
- 10. MIC2**—Moving coil microphone Input Jack, connect your moving-coil microphone to this balanced or unbalanced Jack, JPA863 amp's input is specially designed for processing signals of moving-coil microphone.
- 11. VOLUME 1 KNOB**—Moving-coil microphone Input Jack (MIC 1) volume knob, turn it clockwise(+), the volume will be turned up, turn it counterclockwise(-), the volume will be turned down. To gain the best SNR, please adjust the moving-coil microphone output at a suitable volume first, and then choose the tone you like. Please adjust the volume 1 knob and make sure the wireless microphone output is at a suitable volume when using wireless microphone mode.
- 12. VOLUME 2 KNOB**—Moving-coil microphone Input Jack (MIC 2) volume knob, turn it clockwise(+), the volume will be turned up, turn it counterclockwise(-), the volume will be turned down. To gain the best SNR, please adjust the moving-coil microphone output at a suitable volume first, and then choose the tone you like. Please adjust the volume 2 knob and make sure the wireless microphone output is at a suitable volume when using wireless microphone mode.
- 13. TREBLE KNOB**—Moving-coil microphone Input Jack (MIC 1) treble knob, it provides approximately 12dB of boost, when the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. Turn it clockwise(+), the treble will be turned up, turn it counterclockwise(-), the treble will be attenuated.
- 14. TREBLE KNOB**—Moving-coil microphone Input Jack (MIC 2) treble knob, it provides approximately 12dB of boost, when the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. Turn it clockwise(+), the treble will be turned up, turn it counterclockwise(-), the treble will be attenuated.
- 15. BASS KNOB**—Moving-coil microphone Input Jack (MIC 1) bass knob, it provides approximately 12dB of boost, when the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. Turn it clockwise(+), the bass will be turned up, turn it counterclockwise(-), the bass will be attenuated.
- 16. BASS KNOB**—Moving-coil microphone Input Jack (MIC 2) bass knob, it provides approximately 12dB of boost, when the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. Turn it clockwise(+), the bass will be turned up, turn it counterclockwise(-), the bass will be attenuated.
- 17. Depth of delay (F.BACK)**—Turn it clockwise(+), the delay will deepen, turn it counterclockwise(-), the delay will accelerate.
- 18. Delay knob (DELAY)**—Moving-coil microphone delay knob, firstly turn (F.BACK) clockwise(+) to a suitable position, and then turn the DELAY knob clockwise(+) and get different delay effects.
- 19. ACTIVATOR KNOB**—Moving-coil microphone activator knob, turn it clockwise(+), it will boost the treble and labidental of the microphone, turn it counterclockwise(-), the treble and labidental will be decreased.
- 20. MASTER VOLUME KNOB**—Turn it clockwise(+), the volume will be turned up, turn it counterclockwise(-), the volume will be turned down.
- 21. AUX IN Jack (AUX IN)**—Connect your music signal source to this 3.5mm dual track Jack, and adjust its volume, (NEXT VOL+) and (PREV VOL-) so as to ensure your music output is at a suitable volume.
- 22. Music Volume Potentiometer (MUSIC VOL)**—Turn it clockwise(+), the volume will be turned up, turn it counterclockwise(-), the volume will be turned down.
- 23. Bluetooth Switch**—Press and hold the Bluetooth switch and turn on the Bluetooth, and the Bluetooth indicator is on and begins to flicker, now you can connect the Bluetooth, and then the Bluetooth indicator stops flickering and is on, which means you can play music. Press and hold the Bluetooth switch and disconnect Bluetooth connection, the Bluetooth indicator flickers and you can connect it to Bluetooth. Press and hold the Bluetooth switch and turn off the Bluetooth.
- 24. Bluetooth Indicator**—When the blue indicator flickers, it means the Bluetooth is turned on, the Bluetooth connects when the blue indicator is on.
- 25. POWER SWITCH (ON/OFF)**—The unit's power switch, switch it on, it can operate, please turn it off when not in use.
- 26. POWER INDICATOR/LOW-VOLTAGE INDICATOR (POWER)**—The indicator is on (red) when charging and operating normally, if the indicator changes from red to blue, it means the battery is about to be used up, about 10 minutes of usage (the exact time differs slightly according to the exact use and battery aging), if the battery is used up, the unit will turn off the audio output automatically, and the power indicator is still blue, which reminds you to turn off the power and charge to avoid damaging the battery. Remember to charge it in time when the battery is about to be used up. Use it after a full charge, otherwise, it will undermine the battery life.
- 27. CHARGING INDICATOR (CHARGING)**—The charging indicator is red while charging, the charging indicator goes out when it's fully charged.
- 28. BATTERY DC 12V IN**—The Jack for external battery, specially designed for low battery of the built-in battery, you can connect a 12V external battery to this Jack and the unit operates normally. Before connecting, please note that the polarity of this Jack is center positive, otherwise the unit won't operate normally.
- 29. CHARGING DC 15V IN**—Plug the attached power adapter output Jack into the CHARGING DC 15V In, and the charging indicator is on, which means charging, the charging indicator goes out once it's fully charged. A full charge takes about 6 hours, you can still use this unit during charging.

**30. AUDIO OUTPUT JACK(LINE OUT)**—Connect this Jack to other audio devices, such as mixer, power amplifier and more.

**31. PLAY/PAUSE BUTTON(PLAY/PAUSE)**—You can tap this button to pause while the music is playing, tap this button twice and starts playing music; it can search for station automatically during FM radio mode.

**32. PREVIOUS/VOLUME(PREV/VOL-)**—You can tap this button and back to the previous song while the music is playing, the volume turns down when you press and hold this button; At FM radio mode, tap this button means back to the previous station, press and hold it means the volume will be turned down.

**33. NEXT/VOLUME(NEXT/VOL+)**—You can tap this button and go to the next song while the music is playing, the volume turns up when you press and hold this button; At FM radio mode, tap this button means go to the next station, press and hold it means the volume will be turned up.

**34. REPEAT**—When playing music, (NORMAL)→(SIGNALE)→(RANDOM)→(ALL)→(NORMAL) in sequence.

**35. EQ**—With 5 built-in sound effects, tap this button and choose them, (NORMAL)→(JAZZ)→(ROCK)→(POP)→(CLASSIC)→(NORMAL) in sequence, one effect is chosen the moment you stop tapping the button.

**36. MODE**—In the initial state, it' s (AUX), with SD card and USB: tap this button, switching sequence is SD→FM→AUX→USB→SD; with USB only, switching sequence is USB→FM→AUX→USB; with SD card only, switching sequence is SD→FM→AUX→SD.

**37. USB**—Insert your USB to this Jack, the player starts to play automatically. It supports MP1 Layer3, MP2 Layer3, MP3 Layer3 versions' music.

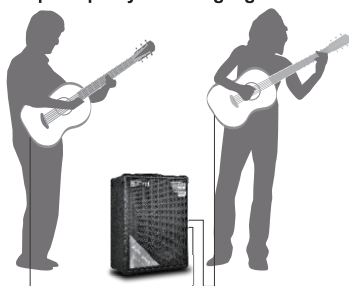
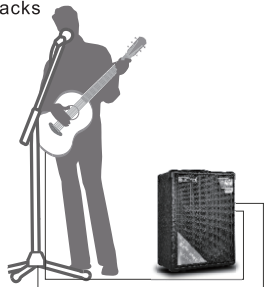
**38. SD/MMC CARD INPUT JACK(SD/MMC CARD)**—Insert your SD card to this Jack, the player starts to play automatically. It supports MP1 Layer3, MP2 Layer3, MP3 Layer3 versions' music.

## APPLICATIONS

**Suitable for outdoor performance, indoor rehearsal, karaoke accompaniment, shopping malls and exhibitions, workout accompaniment outdoors, conference, campfire party and singing.**

Guitar and Microphone can be used simultaneously

- Connect one guitar to one of the Guitar Input Jacks
- Connect one Microphone to one of the Microphone Input Jacks



2 guitars and 2 microphones can be used simultaneously

- Connect 2 guitars to Guitar Input Jack 1 and Guitar Input Jack 2
- Connect 2 microphones to Microphone Input Jack 1 and Microphone Input Jack 2

## BATTERY MAINTENANCE

When your amp is turned on, the power indicator LED changes from red to blue indicating that it' s time to recharge the battery, and now you need to turn off the amp, connect the attached power cable with adapter and plug into the DC15V Jack, the Charge Indicator light becomes red indicating the amp is charging, the Charge Indicator light goes out once fully charged. Besides, you can operate the unit while it' s recharging.

**Notice:** Please don' t disconnect the power when it is charging, otherwise it will affect the battery life.

1. If your amp is stored for an extended period, please keep full battery and recharge every 2 months, otherwise battery aging may occur.
2. Don' t place the amp upside down, or the battery liquid will leak and damage the battery.
3. When the power indicator changes from red to blue, it means the battery is about to be used up and please charge it in time.
4. After a full charge, if it cannot operate for one hour, it means battery aging occurred, please change a new battery.

# Portable Rechargeable Amp

## SPECIFICATIONS

### Main Unit

Frequency Response: 50Hz---18 kHz  
Peak power: 120W  
Sensitivity: 95dB (1W/1M)  
Speaker Impedance: 10" 4 Ohm; 3" 4 Ohm  
Power adapter: AC in 100-240V 50/60Hz  
DC Out 15V/4A  
DC Voltage: 12V 7.0Ah (Lead-acid battery)  
Maximum Current Consumption: 3.5A  
Net Weight: 14.1kg  
Dimensions: 360\*245\*520mm

### Input Sensitivity

Guitar Input 1: -20dBu  
Guitar Input 2: -20dBu  
MIC1: -40dBu  
MIC2: -40dBu

### Built-in wireless microphone receiver

Pseudo Image Interference Ratio: >70dB  
Consuming Power: 3W  
Signal-to-Noise Ratio: 80dB  
Adjacent Channel Interference Ratio: >70dB  
Receiving Sensitivity: 12dB  
De emphasis: 50US

### Overall performance

Carrier Frequency: VHF200-270MHz  
Harmonic Distortion: <0.8%  
Frequency Stability: <±20PPM  
Dynamic Range: >80dB  
Frequency Response: 60Hz---12kHz ±3dB  
Audio Output: 0~±400mV  
Temperature Range: -10°C ~ +50°C  
Operating Distance: 50 meters

### Wireless microphone

Frequency Stability: 0.05%(20PPM)  
Launching Power: +13dB  
Modulation Type: FM  
Maximum Modulation Index: ±20kHz  
Upper Harmonics: less than dominant wave 60dB  
Mains Voltage: 9V Layer-built battery  
Hours of use: 10hrs

## ACCESSORIES

1. Handheld Wireless Microphone x 1
2. Bodypack Wireless Microphone x 1
3. Power Adapter x 1
4. Power Cable x 1
5. 9V 6F 22 batteries x 2
6. Owner' s manual x 1

## JOYOTECHNOLOGY CO., LTD

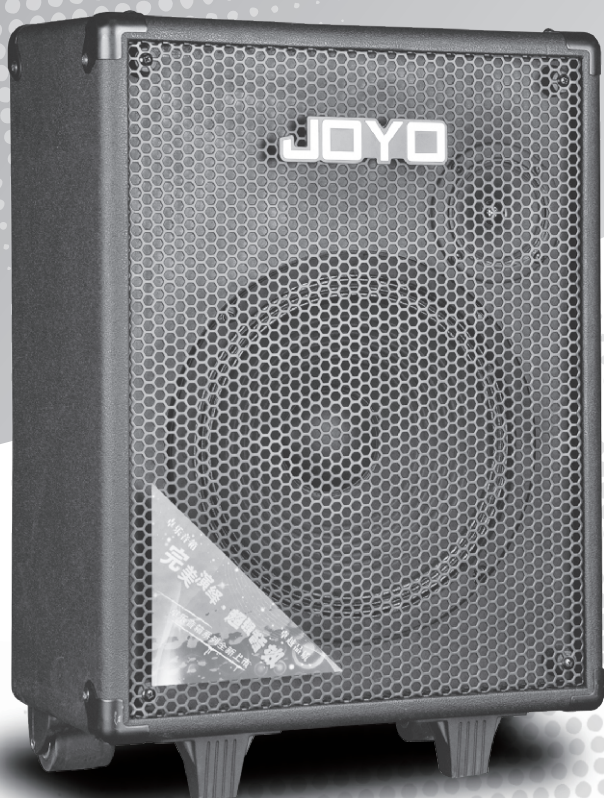
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JOYO Technology is committed to guarantee the highest quality standards. All Technical Parameters or pictures are only for your information, subject to the actual products.

# JPA863

充电式乐器、卡拉OK移动音箱



## 用户使用说明

## 感谢您购买我们的产品!

我们知道您不喜欢阅读所有的手册，但您刚买到一台如此好的电箱吉他弹唱功率放大器，我们想让您了解它！所以在您插上电源并开始享受音乐之前，我们建议您稍花一点时间大致浏览以下内容。

JPA863组合设备采用双声道D类功率放大器芯片而设计，峰值功率输出可达120W，D类放大器的工作效率高、省电，对于内置电池设备会更耐用。

JPA863组合功率放大器，专门设计的机箱内包含一个匹配的10英寸4Ω喇叭和一个3英寸4Ω的高音喇叭，内置一块铅酸电池，小巧、精致方便携带，可以在不同的场合使用，在小场所诸如：俱乐部和家庭或工作室中使用。辅助输入和音乐播放器功能再加上蓝牙无线连接，将成为无处不在的音乐实用性功率放大器。

JPA863的无线麦克风部分使用VHF220-270MHz频段方案，石英振荡电路，具有极高的频率稳定性和抗干扰性。

在这些说明中，您将发现JPA863组合功率放大器有很多特征的描述，也有控制面板上的操作指示，一步一步的设置和使用操作。如果需要了解我们的新产品，请登陆我们的网站"[www.joyochina.cn](http://www.joyochina.cn)"上了解我们的全部产品信息。

## 注意事项 ▲

- 在使用设备前，请仔细阅读本说明书和保管好本说明书，以供必要时查阅。
- 请勿在高温、高湿、多灰尘、极脏地点、强烈震动处、靠近磁场处的环境下使用本设备，如果在此环境下使用本设备，可能会引起机器的故障。
- 只允许用干净、干燥的布清洁此设备。
- 勿遮盖任何通风口，安装时请按照制造商说明。
- 电源线不要放在可能被踩到的地方，也要避免有尖角的地方。请特别保护好插座、延长线和设备上的电源线。
- 为了您的安全，请使用配套的电源。
- 在雷电暴雨或长期不使用设备时，请拔去电源插头。

## 重要通知

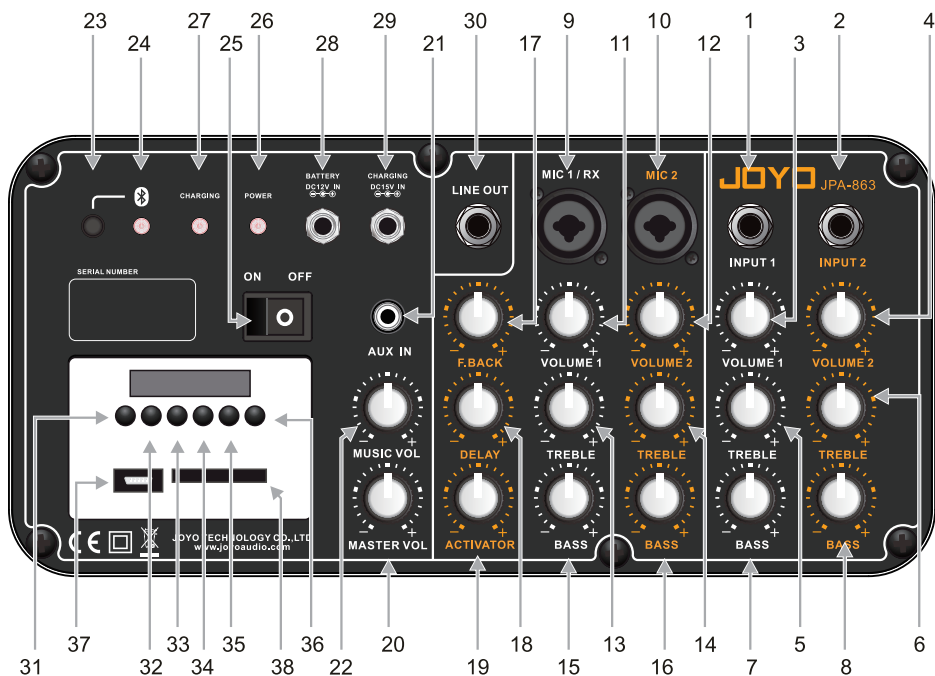
本产品根据严格的产品规格和电压条件生产，在特定的区域本产品可用。如果您是通过网络购买、邮件订单、或电话销售，请验证您所在的区域本产品能够使用。

## 警告

在任何未被验证的区域使用本产品都是危险的，并且不再享受厂家或经销商的保修权利。同时也请保留好发票作为购买证据，否则不享受厂家或经销商的保修权利。



## 面板描述



1. **吉他插口1 (INPUT 1)** --电箱吉他输入插口，将您的电箱吉他连接到这个6.35mm不平衡插口上，此设备的输入装置为处理电箱吉他的低微信号而设计。
2. **吉他插口2 (INPUT 2)** --电箱吉他输入插口，将您的电箱吉他连接到这个6.35mm不平衡插口上，此设备的输入装置为处理电箱吉他的低微信号而设计。
3. **音量控制旋钮1 (VOLUME 1)** --电箱吉他输入插口(INPUT 1)的音量控制旋钮，按顺时针方向(+)调节，音量增大，按逆时针方向(-)调节，音量减小。为了信号与噪音的最好比例，让您的电箱吉他输出处于合适的音量，然后调节到想要的音色位置上。
4. **音量控制旋钮2 (VOLUME 2)** --电箱吉他输入插口(INPUT 2)的音量控制旋钮，按顺时针方向(+)调节，音量增大，按逆时针方向(-)调节，音量减小。为了信号与噪音的最好比例，让您的电箱吉他输出处于合适的音量，然后调节到想要的音色位置上。
5. **高音控制旋钮 (TREBLE)** --电箱吉他输入插口(INPUT 1)的高音控制旋钮，利用最高曲线提供大约12dB增益，当旋钮处于中间位置上时(有卡点)，将没有增益或衰减。按顺时针方向调至(+)时，高音将增强。按逆时针方向调至(-)时，高音将衰减。
6. **高音控制旋钮 (TREBLE)** --电箱吉他输入插口(INPUT 2)的高音控制旋钮，利用最高曲线提供大约12dB增益，当旋钮处于中间位置上时(有卡点)，将没有增益或衰减。按顺时针方向调至(+)时，高音将增强。按逆时针方向调至(-)时，高音将衰减。
7. **低音控制旋钮 (BASS)** --电箱吉他输入插口(INPUT 1)的低音控制旋钮，利用最高曲线提供大约12dB增益，当旋钮处于中间位置上时(有卡点)，将没有增益或衰减。按顺时针方向调至(+)时，低音将增强。按逆时针方向调至(-)时，低音将衰减。
8. **低音控制旋钮 (BASS)** --电箱吉他输入插口(INPUT 2)的低音控制旋钮，利用最高曲线提供大约12dB增益，当旋钮处于中间位置上时(有卡点)，将没有增益或衰减。按顺时针方向调至(+)时，低音将增强。按逆时针方向调至(-)时，低音将衰减。

- 9. 麦克风输入插口1 (MIC 1)** -- 动圈麦克风输入插口，将您的动圈麦克风连接到这个平衡或不平衡插口上，JPA863放大器输入装置为处理动圈麦克风的低微信号而设计。
- 10. 麦克风输入插口2 (MIC 2)** -- 动圈麦克风输入插口，将您的动圈麦克风连接到这个平衡或不平衡插口上，JPA863放大器输入装置为处理动圈麦克风的低微信号而设计。
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- 12. 音量控制旋钮2 (VOLUME 2)** -- 动圈麦克风输入插口(MIC 2)的音量控制旋钮，按顺时针方向(+)调节，音量增大，按逆时针方向(-)调节，音量减小。为了信号与噪音的最好比例，让您的动圈麦克风输出处于合适的音量，然后调节到想要的音色位置上。在使用无线麦克风模式时，调节音量控制旋钮，使无线麦克风输出处于合适的音量。
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- 14. 高音控制旋钮 (TREBLE)** -- 动圈麦克风输入插口(MIC 2)的高音控制旋钮，利用最高曲线提供大约12dB增益，当旋钮处于中间位置上时(有卡点)，将没有增益或衰减。按顺时针方向调至(+)时，高音将增强。按逆时针方向调至(-)时，高音将衰减。
- 15. 低音控制旋钮 (BASS)** -- 动圈麦克风输入插口(MIC 1)的低音控制旋钮，利用最高曲线提供大约12dB增益，当旋钮处于中间位置上时(有卡点)，将没有增益或衰减。按顺时针方向调至(+)时，低音将增强。按逆时针方向调至(-)时，低音将衰减。
- 16. 低音控制旋钮 (BASS)** -- 动圈麦克风输入插口(MIC 2)的低音控制旋钮，利用最高曲线提供大约12dB增益，当旋钮处于中间位置上时(有卡点)，将没有增益或衰减。按顺时针方向调至(+)时，低音将增强。按逆时针方向调至(-)时，低音将衰减。
- 17. 延时深度 (F.BACK)** -- 按顺时针方向(+)调节，延时加深，按逆时针方向(-)调节，延时加快。
- 18. 延时控制旋钮 (DELAY)** -- 动圈麦克风延时控制旋钮，首先将混响控制旋钮(F.BACK)按顺时针方向(+)调节至适当位置上，然后按顺时针方向(+)调节延时控制旋钮(DELAY)，随着延时控制旋钮的调节，输出不同的延音效果。
- 19. 激励控制旋钮 (ACTIVATOR)** -- 动圈麦克风激励控制旋钮，按顺时针方向(+)调节时，提升麦克风的高音和唇齿音，按逆时针方向(-)调节时，减少高音和唇齿音。
- 20. 总音量控制旋钮 (MASTER VOL)** -- 按顺时针方向(+)调节，音量增大。按逆时针方向(-)调节，音量减小。
- 21. 辅助输入插口 (AUX IN)** -- 将您的音乐信号源连接到这个3.5mm双声道的插口上，调节音源的音量与音量按键(NEXT VOL+)增加和音量按键(PREV VOL-)减少，让你的音乐声音输出处于合适的音量上。
- 22. 音乐音量电位器 (MUSIC VOL)** -- 按顺时针方向(+)调节，音量增大。按逆时针方向(-)调节，音量减小。
- 23. 蓝牙开关 (Bluetooth Switch)** -- 长按蓝牙开关，启动蓝牙，蓝牙指示灯点亮并闪烁，此时可以连接蓝牙，连接完蓝牙后指示灯长亮并可以播放音乐。长按蓝牙开关，断开蓝牙连接，蓝牙指示灯闪烁，可以继续连接蓝牙。长按蓝牙开关，关闭蓝牙。
- 24. 蓝牙指示灯 (Bluetooth Indicator)** -- 蓝色指示灯闪烁时为蓝牙开启，长亮时蓝牙已连接。
- 25. 电源开关 (ON/OFF)** -- 设备电源开关，打开电源开关设备正常工作，不使用设备时请关闭此开关。
- 26. 电源指示灯/低压指示灯 (POWER)** -- 充电和正常工作的时候指示灯点亮(红色)，指示灯由原来的红色灯变成蓝色灯时，表示电池电量即将用尽，剩余大约十分钟使用时间(视使用情况和电池老化影响使用时间可能略有不同)，当电池电量耗尽，本机将自动关闭声音输出，此时指示灯依然点亮为蓝色，提醒您需要关闭电源，并充电，防止电池损坏。当电量低时，请您及时为本机充电，直到充满后再使用，否则会影响电池寿命。
- 27. 充电指示灯 (CHARGING)** -- 充电的时候指示灯点亮(红色)，充满电的时候指示灯熄灭。
- 28. 电池输入插口 (BATTERY DC12V IN)** -- 外接电池输入接口，为内置电池低压后一种应急而设计，外接一个12V的电池从此接口插入，本设备就能正常工作。在连接之前请您留意，此插口的其极性为内正外负，否则机器将不能正常工作。
- 29. 电源输入插口 (CHARGING DC15V IN)** -- 充电电源输入插口，将配套电源适配器的输出接口插入电源输入插口(CHARGING DC15V In)，此时充电指示灯点亮，表示正在充电中，电池充满电后充电指示灯熄灭。充电时间大约为6小时左右，在充电期间可以正常的使用这个设备。

**30.音频输出插口 (LINE OUT)** --将此接口信号连接到其它音频设备上, 进行音色修饰或直接功率放大, 例如调音台、功率放大器……等设备。

**31.播放/暂停按键 (PLAY/PAUSE)** --播放音乐的时候, 轻按此键暂停, 再按此键播放; 在FM收音模式下按此键为自动电台搜索。

**32.上一曲/音量按键 (PREV/VOL-)** --播放音乐的时候, 轻按此键上一曲, 长按此键音量开始减小; 在FM收音模式下按此键为上一个电台, 长按此键音量开始减小。

**33.下一曲/音量按键 (NEXT/VOL+)** --播放音乐的时候, 轻按此键下一曲, 长按此键音量开始增加; 在FM收音模式下按此键为下一个电台, 长按此键音量开始增加。

**34.重复按键 (REPEAT)** --播放音乐的时候, 标准 (NORMAL) → 单曲循环 (SIGNALE) → 随机 (RANDOM) → 全部循环 (ALL) → 标准 (NORMAL)。

**35.声场模式 (EQ)** --内置了5组均衡音效, 轻按此键, 顺序为: 标准 (NORMAL) → 爵士 (JAZZ) → 摇滚 (ROCK) → 流行 (POP) → 经典 (CLASSIC) → 标准 (NORMAL), 松手后即选择了此音效。

**36.模式转换 (MODE)** --初始状态下为辅助输入 (AUX), 有SD卡和U盘时: 轻按此键, 切换顺序为SD→FM→AUX→USB→SD; 只有U盘时: 切换顺序为USB→FM→AUX→USB; 只有SD卡时: 切换顺序为SD→FM→AUX→SD。

**37.USB输入插口 (USB)** --U盘输入插口, 将您的U盘插入这个插口, 播放器自动播放。支持MP1 Layer3、MP2 Layer3、MP3 Layer3版本的歌曲。

**38.SD卡输入插口 (SD/MMC CARD)** --SD卡输入插口, 将您的SD卡插入这个插口, 播放器自动播放。支持MP1 Layer3、MP2 Layer3、MP3 Layer3版本的歌曲。

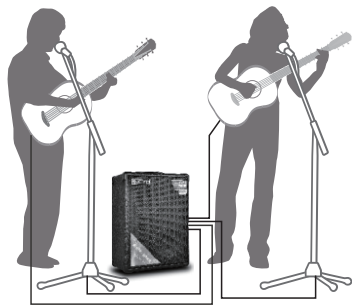
## 卓乐音箱的广泛用途

音乐爱好者户外演唱, 室内练习。歌唱爱好者放伴奏唱卡拉OK效果极佳。商场, 展会等促销扩音。户外健身播放伴奏。会议, 户外篝火晚会扩音, 演唱。

●●您  
可以边  
连接吉  
他弹奏  
吉他, 边  
演唱歌  
曲。



●●可  
以连接  
两把吉  
他, 两个  
麦克风  
风至吉  
他1和  
2插口  
插口  
同时进行  
演奏



## 电池的使用与保养

- 本机开机状态下, 当电源指示灯 (POWER) 由红色灯变成蓝色灯时, 就需要对电池进行充电了, 这时请您关闭电源开关 (ON/OFF), 电源指示灯熄灭。将配套的电源线插入适配器, 输出插口连接到充电输入插口 (CHARGING DC15V) 位置上, 把电源插头插入交流插座上, 这时充电指示灯点亮为红色灯, 表示正在充电中, 充满电后充电指示灯熄灭。充电期间请不要断开电源, 否则会影响电池的使用寿命。在充电期间使用设备时, 请打开电源开关后设备可以正常使用, 在使用设备时不影响您的充电。
- 如果设备长期闲置不用, 应确保电池处于充满状态, 每隔两个月复充一次电, 否则电池将老化。
- 请勿将设备倒置, 否则电池液容易流出, 损坏电池。
- 电池电量不足时, 电源指示灯 (POWER) 由红色灯变成了蓝色灯, 请您应及时充电, 否则电池将会老化。
- 如果电池已经充满, 但电池使用时间不足1小时, 说明电池已经老化, 需要更换新电池。

# 充电式乐器、卡拉OK移动音箱

## 技术参数

### 主机部分参数：

频率响应：50Hz - 18kHz  
峰值功率：120W  
灵敏度：95dB(1W/1M)  
喇叭阻抗：10" 40hm; 3" 4 Ohm  
电源适配器：输入100-240VAC 50/60Hz;  
输出15VDC/4A  
直流电压：12V7.0Ah(铅酸电池)  
消耗电流：3.5A(Max)  
净重：14.1Kg  
木箱尺寸：360\*245\*520mm

### 输入灵敏度：

吉他输入1 (INPUT 1)：-20dBu  
吉他输入2 (INPUT 2)：-20dBu  
麦克风输入1 (MIC 1)：-40dBu  
麦克风输入2 (MIC 2)：-40dBu

### 内置无线麦克接收机：

假象干扰比：>70dB  
消耗功率：3W  
信噪比：80 dB  
邻道干扰比：>70dB  
接收灵敏度：12dB  
去加重：50US

### 综合性能：

参数载波频率：VHF220-270MHz  
谐波失真：<0.8%  
频率稳定性：<20PPM  
动态范围：>80dB  
音频响应：60Hz-16kHz ±3dB  
音频输出：0~±400mV  
温度范围：-10℃到50℃  
操作范围：50米

### 无线麦克风：

频率稳定：0.05%(20PPM)  
发射功率：+13dB  
调制方式：FM  
最大调制度：±20kHz  
高次谐波：低于主波60dB  
使用电源电压：9V叠式电池  
连续使用时间：10小时

## 装箱配件

- 1、手持式无线麦克风…1个
- 2、腰挂式无线麦克风…1个
- 3、电源适配器…1个
- 4、电源线…1条
- 5、9V 6F22电池…2节
- 6、说明书…1份

### 卓乐产品服务政策

一、在正常使用产品过程中，如果产品出现非人为损坏的性能故障，自购买之日起，消费者享有保修服务，保修期为12个月。

二、有下列情况之一者，消费者不能享受保修权益。

1、人为损坏；2、超过保修期；3、无保修卡及有效发票，但能够证明产品在保修期内的除外；4、保修卡与产品型号不符，或保修卡被涂改；5、未按说明书要求使用、维护、保养而造成产品损坏；6、未经卓乐公司授权，擅自拆卸、维修产品、或浸水、摔坏产品；7、其他不可抗力造成的损坏。

三、卓乐服务信息

消费者服务热线：0755-29765390

更多信息请访问：www.joyochina.cn



### 卓乐产品保修卡

产品型号	SN号码	
用户信息	姓名	购机日期
	电话	
	地址	
	发票号码	
销售单位信息	名称(加盖公章)	
	地址	
	电话	

品牌:JOYO 名称:音箱

执行标准:QB/T 4325-2012

制造商:深圳市卓乐科技有限公司

地址:广东省深圳市宝安区新安三路陆氏工业大厦2楼 邮编:518133

售后服务热线:0755-29765390

### 产品合格证

检验结论 合格  
检验员号 QC 01  
日期