

User Manual

JBA10 BASS AMPLIFIER



 **JOYO**

JOYO TECHNOLOGY CO., LTD

BASS AMPLIFIER

INTRODUCTION

We know that you don't like reading user manuals, but you've just purchased one of the finest bass amplifiers around, we want to tell you about it! So before you plug in and start popping and slapping, we'd like to suggest you take a few moments out to scan these pages.

The JBA10 is powerful combo amplifiers. They include a matched 8-ohm bass speaker in a specially designed cabinet which can be used either flat on the floor or on its "kickback" position for increased high end clarity on directionality. It's the perfect system for use in small venues such as club dates and for home recording studios. Besides, the Bluetooth and auxiliary input, headphone output makes them awesome practice amps!

The JBA10 adopts Class D power amplifier of 10-watt and a customized 8-inch speaker, lightweight and energy-saving. When you purchased this JBA10, you're assured of the great JOYO sound system.

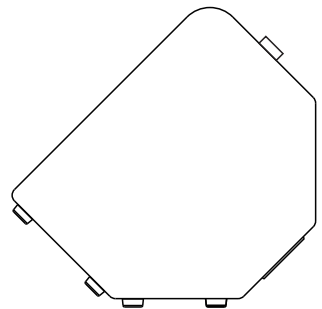
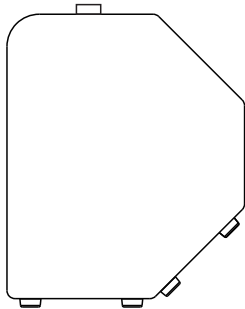
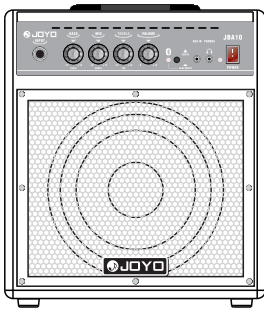
In these pages, you'll find a detailed description of the many features of your JBA10 combo bass amplifier, as well as a guided tour through its front and rear panels, step-by-step instructions for setting up and using the amp. Moreover, please try to check out our website www.joyoaudio.com for complete information about our full product line.

SPECIAL NOTE: Should your JBA10 Combo Bass Amplifier ever require servicing, please contact your local distributors!

IMPORTANT NOTES

- Please read all instructions before operating the unit.
- Keep these instructions for future reference.
- Please heed all safety warnings.
- Follow manufacturer's instructions.
- Do not use this unit near water or moisture.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instruction.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Protect the power cord from being walked on and pinched particularly at plugs, convenience receptacle and at the point at which they exist from the unit.
- Unplug this unit during lightning storms or when unused for long periods of time.
- Refer to qualified personnel when the unit has been damaged in any way.

JBA10 COMBO BASS AMPLIFIER FEATURES

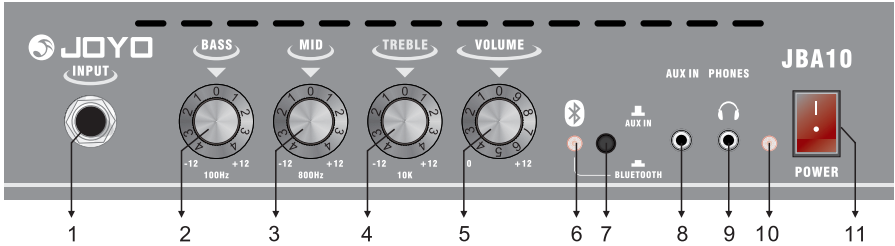


The JBA10 offers all the newest concepts in state-of-the-art customized bass amplification in an extremely compact size and affordable price. Here are its main features:

- The 10-watt power to its specially designed 8-inch bass driver.
- Specially designed cabinet can be used either flat on the floor or on its "kickback" position for increased high end clarity on directionality.
- Flexible input that accommodates a broad range of input levels, so that you can use the JBA10 with pretty much any kind of bass, from passive modes to those with active circuitry. It is almost impossible to overload the input of a JBA10 bass amplifier!
- Three bands of high quality equalization, allowing you to create a broad range of tonal colors for your bass instrument.
- The Bluetooth and auxiliary input, headphone output allowing you to hook up a portable CD or MP3 player, with Bluetooth input saves the trouble of connecting cables and makes practice more convenient.
- A separate headphone output, which automatically disconnects the speaker output allowing use as a high quality practice amp.
- Included is a matched JOYO 8-ohm speaker mounted in a specially designed cabinet for clean and crisp sound.
- Rugged construction makes the JBA10 eminently road-worthy.

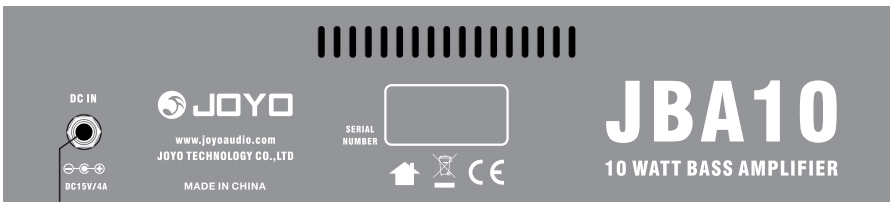
BASS AMPLIFIER

GUIDED TOUR - FRONT PANEL



- 1. Input**-Connect your bass guitar to this standard 1/4" unbalanced jack. The JBA10 is designed to handle low level signals if your bass has passive electronics (that is, if it has no battery), or the signals from hotter bass pickups if your bass has active electronics (that is, if it has a battery).
- 2. Bass EQ control**-This control provides approximately 12dB of cut or boost at 100Hz, with a peak (bell) curve. When the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. As it is turned clockwise to the +12 position, the frequency area is boosted; as it is turned counterclockwise from the -12 position, the frequency area is attenuated.
- 3. Mid EQ control**- This control provides approximately 12dB of cut or boost at 800Hz, with a peak (bell) curve. When the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. As it is turned clockwise to the +12 position, the frequency area is boosted; as it is turned counterclockwise from the -12 position, the frequency area is attenuated.
- 4. Treble EQ control**- This peaking control provides approximately 12dB of cut or boost at 10 KHz, with a peak (bell) curve. When the knob is at the triangle "0" position (at a sticking point), there is no boost or attenuation. As it is turned clockwise to the +12 position, the frequency area is boosted; as it is turned counterclockwise from the -12 position, the frequency area is attenuated.
- 5. Volume control**- This is the overall volume control. For best signal-to-noise ratio, keep the output of your bass at or near maximum and adjust the Volume to the desired level.
- 6. Bluetooth indicator**- Press the option switch, the Bluetooth indicator will be flashing blue, when connects to Bluetooth device, the Bluetooth indicator will be blue.
- 7. Option switch**- AUX IN and BLUETOOTH inputs are available by pressing the option switch.
- 8. Auxiliary input**- JBA10 amplifier features a AUX IN input which you can use with a portable CD player, cassette, mini disc or MP3 player. You can use the CD input to jam with pre-recorded track or to learn a riff from a favorite recording.
- 9. Phone jack**- Connect any stereo headphone (32 ohms or less) to this 3.5mm stereo jack. When a plug is inserted into the headphone jack, the speaker output is disconnected, allowing you to use your JBA10 as a practice amplifier. The level of the signals sent to the headphones is determined by the setting of the Volume knob. Recover speaker output by pull out stereo headphone.
- 10. Power indicator**- Turn on the power switch, the indicator is on.
- 11. Power switch**- Turn on the power switch, the power indicator is on, operate normally after 5 seconds.

GUIDED TOUR - REAR PANEL

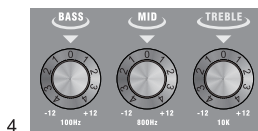
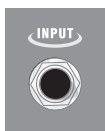


- 12. Direct Input**- 15V 4A direct input, center positive, supply power for the entire unit.

SETTING UP AND USING YOUR JBA10 COMBO BASS AMPLIFIER

Setting up your JBA10 Combo Bass Amplifier is a simple procedure which takes only a few minutes:

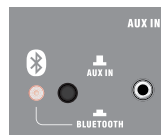
1. Remove all packing materials (keep them in case of future maintenance), and decide where the amplifier is to be physically placed. You may decide to use the “kickback” position for additional directionality and high frequency clarity. To avoid potential overheating problems, make sure that the rear panel is unobstructed and that there is good ventilation around the entire unit.
2. Before plug in the power cable, make sure the power switch is turned off. Connect the adapter output to DC IN input located on the rear panel. Then, plug the matched plug into socket, and don't turn on the JBA10 just yet, though.
3. Use a standard music instrument cable to connect your bass to the Input jack on the front panel. The JBA Input has been designed to handle the signal from almost any bass guitar. So, whether your bass has passive electronics or active electronics, plug right in.
4. On the front panel, turn position “0” counterclockwise of Bass, Mid and Treble to triangle position (at a sticking point).
5. Press the front panel power switch; the power indicator is on and the unit starts to work.
6. Set the output of your Bass to maximum and then, while playing, slowly turn the Volume control up until the desired level is achieved. It's almost impossible to overload the JBA10 amplifier, so if you hear distortion even at low Volume settings, check up a faulty cable.
7. Adjust the three equalization controls to taste. When you get a great setting that complements your instrument and playing style, it's a good idea to write it down for future use.



8. Turn the Volume control to its minimum (fully counterclockwise) position and then connect a 3.5mm stereo headphone to the front-panel Phone jack. While playing your bass, slowly turn the Volume control up- you should hear sound from the headphones and none from the connected speaker. We recommend the use of large size headphones (those with large transducers) for optimum bass reproduction.
9. If you encounter difficulty with any aspect of setting up or using your JBA10 Bass Combo Amplifier, you can call JOYO (0755-29765393) from 9 AM to 5 PM, or contact your local distributors.

AUX IN AND BLUETOOTH FUNCTIONS:

Your JBA10 amplifier features AUX IN and Bluetooth inputs that you can use with a portable CD player, cassette, mini disk or MP3 player to jam with pre-recorded tracks or learn a riff from a favorite tune. In fact, you can plug any line level signal into the AUX IN including the signal from a keyboard or drum machine. Connect the CD player or other Line level device to the AUX IN using standard 3.5mm cable. You will want to use the volume control on the CD player or other Line level device to set the balance between the track and your bass. So, start with the volume control all the way down and slowly raise it until you reach a good balance with your bass.



USING EQUALIZATION:

■ The JBA10 Bass Amplifier gives you enormous control over shaping the sound of your bass, using a process called equalization. To understand how this works, it's important to know that every naturally occurring sound consists of a broad range of pitches, or frequencies, combined together in a unique way. This blend is what gives every sound its distinctive tonal color. The JBA EQ controls allow you to alter a sound by boosting or attenuating specific frequency areas—they operate much like the bass and treble controls on your hi-fi amp, but with much greater precision.

- Three bands of equalization, each EQ knob labeled Bass, Mid and Treble, respectively affects a different frequency area 100 Hz, 800 Hz, 10kHz, respectively and provides approximately 12 db of boost and attenuation. We carefully selected these frequency areas because they have maximum impact on bass signals.
- When an EQ knob is in its center triangle position “0” (at a sticking point), it is having no effect. When it is moved right of center, the particular frequency area is being boosted; when it is moved left of center, the frequency area is being attenuated.
- Under many circumstances, the best way to deal with equalization is to think in terms of which frequency areas you need to attenuate, as opposed to which ones you need to boost. Be aware that boosting a frequency area also has the effect of boosting the overall signal; specifically, too much Low EQ boost can actually cause overload distortion or even harm the connected speaker.



SPECIFICATIONS

- | | |
|--|---|
| 1. Rated Output Power: (@ 1 kHz, 8 ohm, 0.04% THD) | 10W |
| 2. Rated Input Level: (@ 1 kHz) | |
| Guitar Input | -20 dBu |
| AUX IN Input | -9 dBu |
| 3. Total Harmonic Distortion: (@1 dB, 1 kHz) | 0.2% |
| 4. Signal To Noise Ratio: (1 Wrms @ 1 kHz) | 57 dB |
| 5. Dynamic Range: (Rated output @ 1 kHz) | 67 dB |
| 6. Signal Gain | |
| Input to Speaker Out | +26 dB |
| 7. Equalizer | |
| Bass (100 Hz) | ±12 dB |
| Mid (800 Hz) | ±12 dB |
| Treble (10 kHz) | ±12 dB |
| 8. Headphone Output | 20 mW 32 ohms |
| 9 · Adapter | Input 100-240VAC 50/60Hz, Output 15VDC/4A |
| 10. Weight | 8.7 kg |
| 11. Dimensions | L(318 mm) x W(294 mm) x H(352 mm) |



JOYO TECHNOLOGY CO., LTD

Address: 2/F, Lushi Industry Building, 28th District, Bao'an, Shenzhen, 518101 China.

www.joyoaudio.com Email:info@joyoaudio.com Tel: 0086-755-29765381

10瓦特贝司功放
用户使用说明



深圳市卓乐科技有限公司

感谢您购买我们的产品!

我们知道你不喜欢阅读所有的手册，但您刚买一台如此好的贝司功率放大器，我们想让您了解它！所以在你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这些内容。

功能强大的JBA10组合功率放大器，专门设计的机箱和机内包含一个匹配的8Ω贝司喇叭，这个机箱能在平面或斜面增强高清晰指向性反冲位置上使用。在小场所诸如：俱乐部和家庭或工作室中使用，这将是一款完美的系统。蓝牙和辅助输入与耳机功能成为十分出色的实用性功率放大器。

JBA10采用D类功率放大器，轻便省电，10W的功率和一个专制的8英寸喇叭。当你购买了JBA10贝司功率放大器，您将拥有JOYO强大完美的贝司音响系统。

在这些说明中，您将发现JBA10组合贝司功率放大器有很多特征的描述，也有前后控制板上的操作指示，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”上了解我们的全部产品信息。

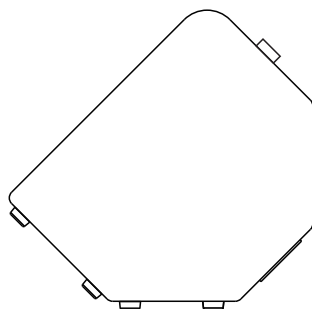
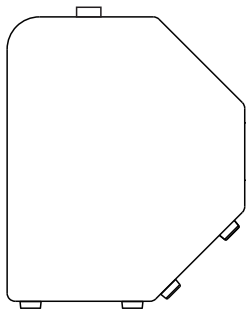
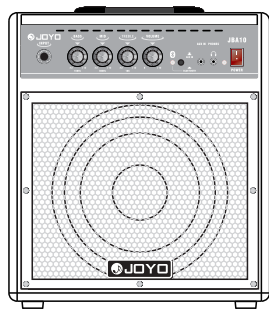
特别提示：如果您的JBA10组合贝司功率放大器需要维修时，请与当地经销商联系！

注意事项 ▲

请阅读使用说明书。

- 在使用设备前，请阅读所有的说明。
- 以后的使用中，请参照这些说明。
- 按照制造商说明。
- 勿靠近水源或潮湿处使用此设备。
- 只允许用干布清洁设备。
- 勿掩盖任何通风口，安装时请按照制造商说明。
- 请勿靠近任何热源，如散热器，储热器，炉灶或其它产生热量的设备。
- 请用配套的电源适配器，使用起来更安全。
- 请保护好电源线不被踩踏，从设备出来的地方不被挤压。
- 在雷电暴雨或长期不使用设备时，请拔去电源插头。
- 设备损坏时请找专业人士维修。

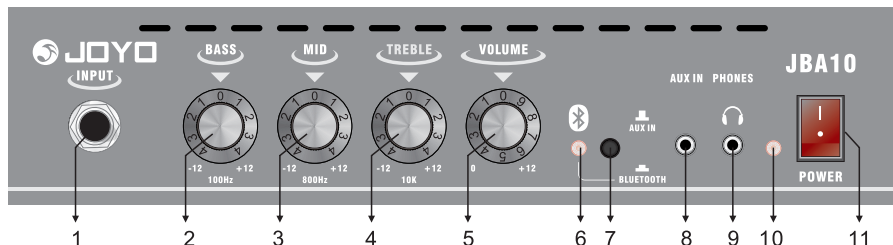
JBA10组合贝司功率放大器特性



JBA10通过小巧的外型和优惠的价格，提供了所有艺术表现中特制贝司功率放大器，其主要特性：

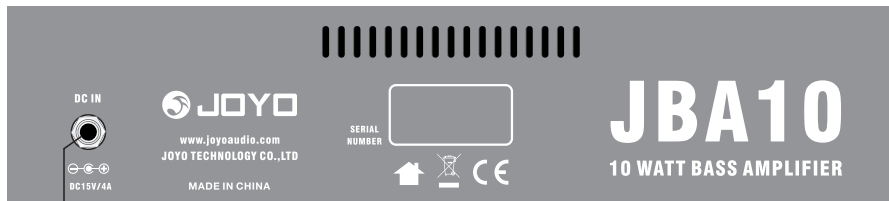
- 特制的8英寸贝司驱动产生10W功率。
- 专门设计的机箱使机器能在平地上或斜面上增强高清晰指向性的反冲位置上使用。
- 灵活的输入能适应大范围的输入电平，使得JBA10能适用于几乎所有贝司，从无源模式到有源模式，JBA10贝司功率放大器的超载问题几乎是不可能。
- 三段高品质均衡器，能使您的贝司乐器创造大范围的音色。
- 专门的辅助与蓝牙输入，让您能连接一个便携式的CD或MP3播放器，用蓝牙连接播放更省事，省去了连接线的麻烦，练习起来更方便自如。
- 独立的耳机输出接口，能自动断开喇叭输出，成为高品质的练习功率放大器。
- 为追求清脆声音，在特制的机箱中安装了一个相互匹配的8Ω贝司喇叭。
- 坚固的构造和小巧的外型，使得JBA10功率放大器特别适合外带。

面板描述



1. **输入插口**—将您的贝司连接到这个1/4英寸不平衡插口，JBA10功率放大器的输入装置为处理低微信号而设计，低微信号来自您的无源贝司，或者是来自您的有源贝司的拾音设备。
2. **低音控制器**—利用最高曲线提供大约12dB增益和100HZ频率。当旋钮“0”处于中间三角号位置上（有卡点），将没有增益或衰减。按顺时针调至+12时，频率将增强。按逆时针调至-12时，频率将衰减。
3. **中音控制器**—利用最高曲线提供大约12dB增益和800HZ频率。当旋钮“0”处于中间三角号位置上（有卡点），将没有增益或衰减。按顺时针调至+12时，频率将增强。按逆时针调至-12时，频率将衰减。
4. **高音控制器**—利用最高曲线提供大约12dB增益和10KHZ频率。当旋钮“0”处于中间三角号位置上（有卡点），将没有增益或衰减。按顺时针调至+12时，频率将增强。按逆时针调至-12时，频率将衰减。
5. **音量控制器**—这是总音量控制，为了信号与噪音的最好比例，让您的贝司输出处于或接近于最大音量，然后调节到想要的音色位置上。
6. **蓝牙指示灯**—按下选择开关时，蓝牙指示灯闪亮，当与蓝牙设备配对成功时，蓝牙指示灯长亮。
7. **选择开关**—开关按起时，处于辅助工作模式；开关按下时，处于蓝牙工作模式。
8. **辅助输入**—JBA10功率放大器带有AUX IN输入接口，这个接口可以连接CD播放器，卡带机，影碟机或MP3播放器一起使用，利用CD输入接口预设好的音乐或喜欢的唱片来重复学习。
9. **耳机插座**—3.5毫米立体声插口，用于连接立体声耳机（小于32Ω）。当插头插入耳机插口时，喇叭输出将被断开，使您的JBA10功率放大器用做练习功能。输出到耳机上的信号电平大小由音量控制调节决定。拔出立体声耳机时，恢复喇叭输出功能。
10. **电源指示灯**—电源开关打开时，指示灯亮。
11. **电源开关**—把电源开关打开，电源指示灯点亮，5秒钟内整机正常工作。

背板

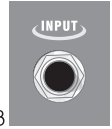


12. **直流电源输入接口**—15V 4A直流电源输入，极性为内正外负，提供整机能源供应。

JBA10组合贝司功率放大器的设置与使用

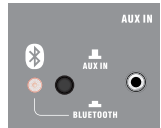
JBA10组合贝司功率放大器的设置很简单，只需要您几分钟时间：

1. 拆开所有包装（将它们保留好以备日后的维修时使用），然后将高频放大器放在什么地方，您可以选择利用潜在的通风问题，而且使整个设备可以很好的通风。
2. 在您插入电源适配器之前，请确保电源开关处于关闭状态，将适配器插入电源插座，这时还不能打开机器。
3. 使用标准的乐器连接线将您的贝司连接到前控制板上的输入插口，大源还是有的，都可以从这里输入。
4. 在旋钮“0”调至中间三角号位置上（有卡点）。
5. 打开前面控制板上的电源开关，电源指示灯点亮，设备开始工作。
6. 将音量控制器的最大位置上，然后一边演奏一边慢慢调大音量。控制的时候听到失真，请检查连接线是否连接错误。
7. 调整均衡器，请检查连接线是否连接错误。当您调节到适合您乐器和演奏风格的时候，不妨记下来。
8. 测试耳机输出功能，按逆时针方向调节音量控制器的最小位置，将3.5mm立体声耳机连接到耳机插口上，一边演奏一边慢慢调大音量，当您听到耳机发声的时候，我们建议您使用大耳机（带在头上效果那种耳机），使贝司演奏达到最佳效果。
9. 如果你对JOYO JBA10贝司组合功率放大器功能设置或使用方面遇到困难，请在早上9点至下午5点之间，你可以致电JOYO寻求技术支持（0755-29765393）或联系您当地的代理商。



辅助与蓝牙输入功能使用：

JBA10功率放大器带有辅助与蓝牙输入装置，这些装置让您使用便携CD播放器，卡带播放器，影碟机或MP3播放器，还有你的蓝牙设备播放音乐。您可以使用这个AUX IN输入插口预设好频道音乐或者喜欢的唱片来重复学习。事实上，您可以输入任何直接电平信号到AUX IN输入装置，包括来自电子琴或鼓乐器的信号，利用标准的3.5mm线来连接CD播放器或其它直接电平装置，要想CD播放器或其它直接电平信号上的音量控制设定与贝司之间的平衡，任何时候都要先从最小音量开始，然后慢慢加大音量，直到和贝司达到很好的平衡。



均衡器的使用：

- JBA10贝司放大器均衡器，使您对贝司声音形成很好的控制，为了理解它是怎么工作的，每一组的音域范围或频率自然发出的声音，这一独特的方式结合将很重要，这种混合就是给予每一种声音和与众不同的音色。这款机器的均衡控制器引起您注意对特定频率面积的增加或减少，他们的操作跟贝司和高保真放大器的高音控制很相像，但精确度会更高。
- 三段均衡器每一个旋钮分别标有Bass, Mid, Treble, 作用与不同的频率分别标有100Hz, 800Hz, 10kHz, 它提供12dB的增益和衰减。我们精心选择这些频率，因为对贝司信号有很大的影响。
- 当均衡器的旋钮“0”在三角号位置上即中间时（有卡点），均衡器没有效果，当它从中间向右转动时，特定的频率范围开始增强。当从中间向左转动时，频率范围开始减弱。
- 很多情况下，处理均衡器最好的方法是要考虑哪种情况下频率需要减弱，相反哪种情况下频率需要增强。请记住，增强某一个频率的同时，会对总体的信号产生影响，特别要说的，太多的低音均衡器增强实际上会使喇叭产生过载或损坏。



技术数据

1. 额定输出功率：(1 kHz, 8 ohm, 0.04% THD) 10W
2. 额定输入电平：(1 kHz)
 - 吉他输入 -20 dBu
 - 辅助输入 -9 dBu
3. 总谐波失真：(1 dB, 1 kHz) 0.2%
4. 信号噪声比：(1 Wrms @ 1 kHz) 57 dB
5. 动态范围：(Rated output @ 1 kHz) 67 dB
6. 信号增益
 - 输入到喇叭输出 +26 dB
7. 均衡器
 - 低音 (100 Hz) ±12 dB
 - 中音 (800 Hz) ±12 dB
 - 高音 (10 kHz) ±12 dB
8. 耳机输出 20 mW 32 ohms
9. 电源适配器 输入100-240VAC 50/60Hz, 输出15VDC/4A
10. 重量 8.7 kg
11. 尺寸 长(318 mm) x 宽(294 mm) x 高(352 mm)

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	
	名称(加盖公章)	
销售单位信息	地址	
	电话	

品牌:JOYO 名称:贝司音箱

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28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