

AC-20
Acoustic guitar amplifier
User Manual

INTRODUCTION

Thanks for purchasing our AC-20, in order to use this product more safely and get fully use of its features, please read this owner's manual carefully and retain it for future reference.

MAIN FEATURES

The Joyo AC-20 is an amplifier designed with an amplification characteristic curve specifically for acoustic guitars. It gives you a nice and bright high end and rich mid and low frequencies. Its 20W of power (10W + 10W) will meet your needs for practice sessions at home up to even smaller live shows. The guitar section of the AC-20 features 3 built in DSP effects: Chorus, Delay (with a maximum time of 500 ms) and a reverb, all three can be used simultaneously, this is very rare among similar amplifiers. The other section on the AC-20 is the well designed dynamic Microphone amplification channel which gives you a clear and powerful vocal sound, this channel also features a reverb, which is key to making your vocals shine. Any great acoustic amp has an AUX input and so does the AC-20. Connect your MP3 player or your smart phone and jam along to your music. Joyo delivers a truly simple and practical acoustic guitar amp

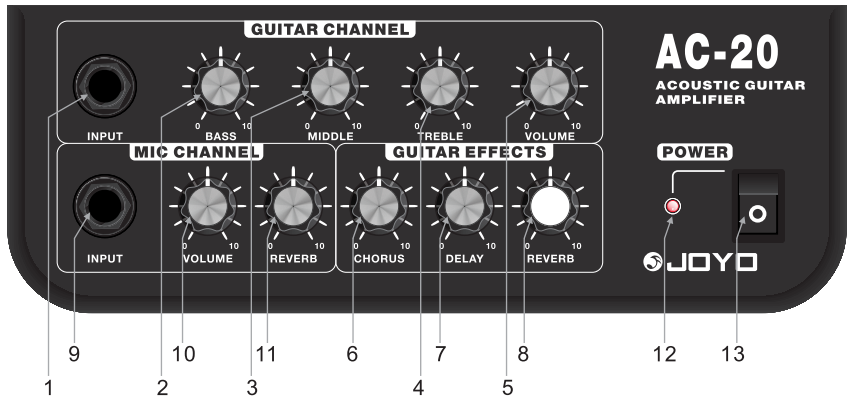
IMPORTANT NOTES



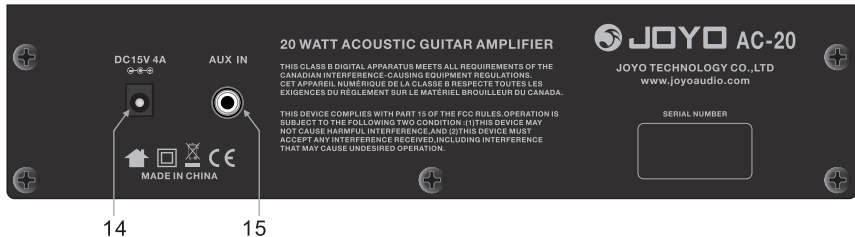
- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any of the ventilation openings. Install in accordance with the Manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Please use only the included AC power adapter. Other adapters may not be compatible with the AC-20's input voltage and might cause damage or accidents.
- The included adapter has passed the electromagnetic compatibility and safety test. We don't guarantee the safety performance when used with third party adapters.
- Never use with a cart, stand, tripod, bracket, or table except as specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the Apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to Rain or moisture, does not operate normally, or has been dropped.



FRONT PANEL



- 1.) GUITAR INPUT
- 2.) BASS
- 3.) MIDDLE
- 4.) TREBLE
- 5.) VOLUME
- 6.) CHORUS: Adjust the depth of chorus effect.
- 7.) DELAY: Adjust the delay time.
- 8.) REVERB: Adjust the ratio of wet signal.
- 9.) INPUT: Microphone input.
- 10.) VOLUME: Volume control for Microphone channel.
- 11.) REVERB: Reverb control for Microphone channel.
- 12.) POWER INDICATOR
- 13.) MAINS POWER



- 14.) DC Mains Input: Connect the Included adaptor (15V/ DC/4A Center Positive).
- 15.) AUX IN: Connect a CD player, digital audio player or other kinds of device and have it play along with your guitar.

Acoustic guitar amplifier

PARAMETERS

AC adapter input voltage: AC100-240V 50-60Hz

AC adapter output voltage: DC 15V 4A

Guitar input sensitivity: -22dBv

Microphone input sensitivity:-40dBv

AUX IN sensitivity: -10dBv

Music Power: 20Wrms (10W+10W, Mono)

Speaker: 2x5inches

Dimension: 32.5*19*23(cm)

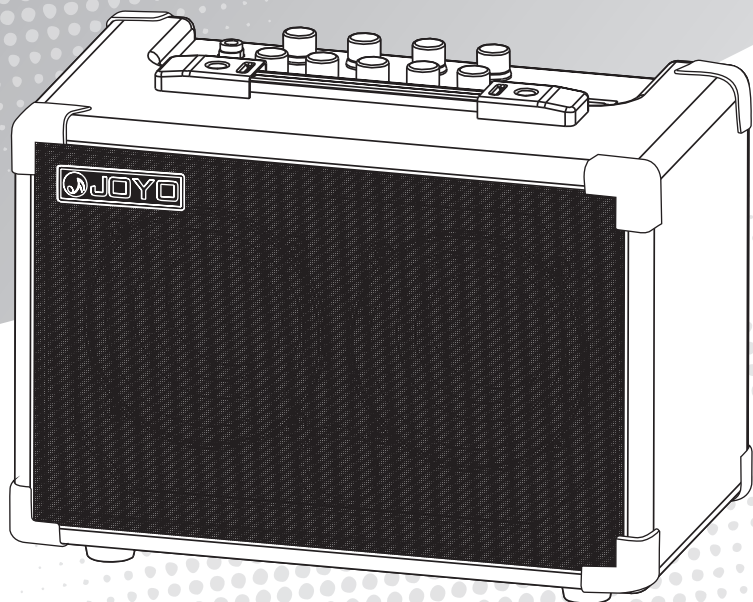
Weight: 4.8kg



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AC-20 原声吉他放大器 用户使用说明

深圳市卓乐科技有限公司
SHEN ZHEN JOYO TECHNOLOGY CO.,LTD

感谢购买我们的产品!

在使用AC-20音箱之前,请您务必仔细阅读本使用说明书,详细了解本产品使用中的一些注意事项,以便更好的发挥AC-20的性能和更安全的使用本产品。

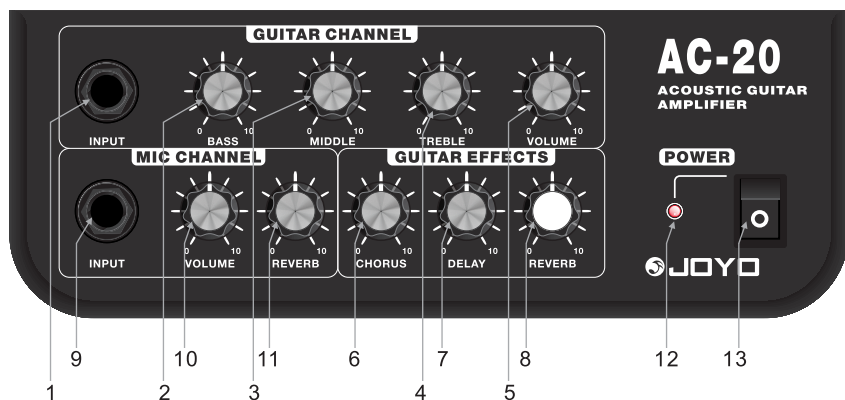
AC-20是一款专门为原声吉他设计开发的乐器放大器产品,其放大特性曲线专门针对原声吉他而设计,高音亮丽饱满,中低频浑厚有力;其20W(10W+10W)的RMS输出功率完全可满足您小型演出或家用练习需求;与同类产品相比,除了在音色上可圈可点外,AC20还内置了一颗高性能的数字效果处理芯片,为您提供多达三种高品质DSP数字效果(CHORUS、DELAY、REVERB),而这三种数字效果,您可以同时使用,这在全类产品中是并不多见的;AC-20还为您准备了一个麦克风输入通道,设计时,我们也特别对麦克风放大电路做了针对人声特点的特殊频响优化,通过电路处理,人声信号将变得更清晰有力,却不会浑浊不堪,另外,我们还为麦克风通道配备了独立的混响效果,为您的歌声增添几分华丽色彩;AC-20也如多数吉他音箱一样,配备了AUX IN接口,您可通过此接口来输入CD或MP3音乐伴奏信号,来跟着伴奏即兴演奏或练习。

注意事项 ▲

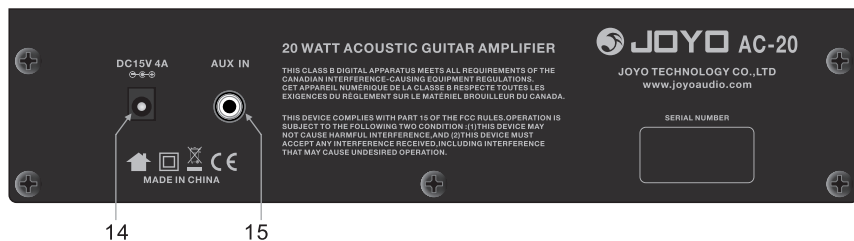
- 请阅读这里的说明。
 - 请保存这些说明。
 - 请注意所有的警告说明。
 - 请按照说明操作。
 - 不要在靠近水的地方使用这一设备。
 - 请用干布清理本设备。
 - 不要在靠近热源的地方使用本设备,如加热器、暖气机、电热炉、功放器等各种易发热设备。
 - 不要损坏带有不同极性或接地功能的插头。有极性的插头带有两个大小不同的插片,有接地功能的插头有两个插针和接地插针,大的插针或第三个插针有接地功能,确保您的安全。如果随货供应的插头不能使用的話,请找电工更换老旧的插座。
 - 电源线不要放在可能被踩到的地方,也要避免有尖角的地方,请特别保护插头,延长线和设备上的电源线。
 - 本设备一定要有接地保护。
 - 如果电源插头或电源连接板有切断电源功能的话,它们一定要处在随时都能被拿到的地方。
 - 请使用AC-20随机附带的AC电源适配器!使用其他适配器可能造成适配器电压与AC-20输入电压不兼容,导致损坏或其他意外情况发生。
 - AC-20随机附带之适配器已通过相关电磁兼容及安规测试,使用其他适配器我司将不保证其安规性能可以达到或符合您所在国家或地区的强制安全认证标准。
 - 请只使用制造商规定的推车,架子,三角架,支架和桌子,也可用随货供应的器件。
- 如果您使用推车来搬移设备的话,请注意安全放置设备,以避免避免倒下而造成的伤害。
- 有风暴雷雨时或长期不使用本设备的时候,请拔出电源插头。
 - 所有维修工作,都必须由有资格的维修人员进行。设备受到损坏时(如:电源线或电源插头被损坏,水或液体流入设备内,设备受到雨淋或受到潮气侵入),设备不能正常运作,设备摔在地上后),必须进行维修。
 - 注意!维修提示是给有资格的维修人员看的。为了避免触电的危险,请不要擅自进行维修。有资格的专业维修人员才能对设备进行维修。



面板描述



- 1.) 吉他输入接口 (INPUT) : 6.35输入接口。
- 2.) 低频 (BASS)
- 3.) 中频 (MIDDLE)
- 4.) 高频 (TREBLE)
- 5.) 音量控制 (VOLUME)
- 6.) 合唱 (CHORUS) : 调节合唱效果深度。
- 7.) 延时 (DELAY) : 调节延时时间长短。
- 8.) 混响 (REVERB) : 调节吉他混响效果干湿比。
- 9.) 话筒输入接口 (INPUT)
- 10.) 话筒音量控制 (MIC/VOLUME) : 调节话筒通道的音量大小。
- 11.) 混响 (REVERB) : 调节话筒混响效果。
- 12.) 电源指示灯
- 13.) 电源开关 (POWER)



- 14.) DC电源输入接口: 与15V DC 4A内正外负的适配器连接。
- 15.) 外接伴奏输入接口 (AUX/INPUT): 此为立体耳机输入接口 (3.5), 用接入外部音源, 如CD, MP3。

电气参数

AC适配器输入电压: AC100-240V 50-60Hz

AC适配器输出电压: DC15V 4A

吉他通道输入灵敏度: -22dBv

麦克风通道输入灵敏度: -40dBv

AUX IN输入灵敏度: -10dBv

RMS功率: 20W (10W+10W)

效果器-吉他通道: CHORUS、DELAY(最大500ms)、REVERB

效果器-麦克风通道: REVERB

体积: 325*190*230(长*宽*高)mm

重量: 4.8kg



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