



User Manual

POWER TUNE

Thank you for purchasing this product!

In order to use this product more safely and get fully joy of its features, please read this owner's manual carefully and retain it for future reference.

Joyo brings you a compact and convenient way to combine the tools on your pedal board that are necessary, the POWER TUNE combines the Tuner and Power Supply in one product. It features 8 independent, filtered, clean outputs. Each of them is short circuit and over current protected. Six outputs give you the standard 100mA of power for most of your analogue pedals and two outputs can deliver a whopping 500mA which should cover even the most demanding digital pedals. The tuning section is no less impressive. The large LED screen is easy to view in any lighting condition and our upgraded tuning algorithm is fast and responsive. Obviously you can use the two products independently and only use one if chose. There is no need to worry about your guitar signal running through the power supply. We have made sure that there is no crosstalk noise. The switching power adaptor is filtered and does not get hot. We have also included 8 DC power cords and 2 polarity reversing cables. True Bypass design minimizes signal loss.

Safety Instruction

1. Only use the device within the stipulated power supply or current range.
2. Only use the attachments/accessories specified by the manufacturer.
3. Do not expose the product to rain, water or moist environments, and keep away from the liquids in case of any opening being spilled.
4. To avoid deformation or damage to internal units, do not expose this product to excessive dust or vibrations, or extremely cold or heat (such as direct sunlight, near a heater or a car under the hot sun).
5. Please avoid any foreign objects (paper, plastic or metal, etc.) plugged or fall into any gaps or openings on this product.
6. To avoid damage to the product, please do not use excessive force during usage or operation.
7. Please use dry cloth to clean, do not use liquid cleaners such as benzene, thinner, detergent, flammable polish, etc.
8. Do not dump this product with household waste together. Proper treatment can reduce pollution and health hazards. Please contact your local dealer for correct approaches.
9. This product is produced according to strict product specification, and is supposed to be used in specific areas. If you purchase it through the network, mail order or telephone sales, please verify your area is authorized to use this product. It is dangerous to use this product in any unqualified area and you will no longer own the factory warranty. Please also keep your invoice as proof of purchase for after-sales service.
10. To avoid electric shock, please only refer to the professional person to open the cabinet. Do not attempt to use or install an alternative device on the product, or perform any unauthorized modification. For repair services, please contact trained professionals.
11. Please refer to the manual for specific Warning or Caution information to avoid personal injury or product damage.
12. 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

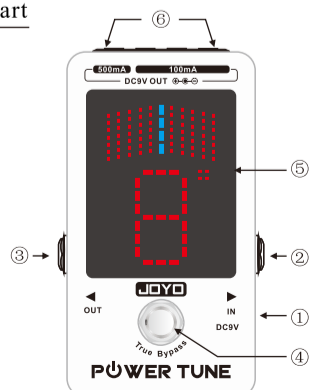


Caution

1. For better usage and heat dissipation, please take your device's dimension and type into consideration.
2. Please choose appropriate devices according to its Input & Output voltage, currents and other parameters.
3. Pay attention to ripple noise, voltage regulation and load regulation etc.
4. Pay attention to operating environment, such as temperature, humidity.
5. Before using the product, please refer user manual and make sure voltage, current matches your devices.
6. Power must be turn off during wiring.
7. Before power on, please double check all cable terminals and confirm Input & Output; AC&DC; Positive and Negative pole; Voltage and Current are all in correct state, avoid reversed or wrong connection.
8. Based on the theory that primary input pedals(of bigger current) go before secondary input pedals, also for a better performance of this unit, please put primary input pedals in the front.
9. Please use your devices at rated power.
10. Please contact local authorized dealer immediately when malfunction occurs, and ask for due after-sale service.
11. To extend the lifetime, please do not turn on/off power too frequently.

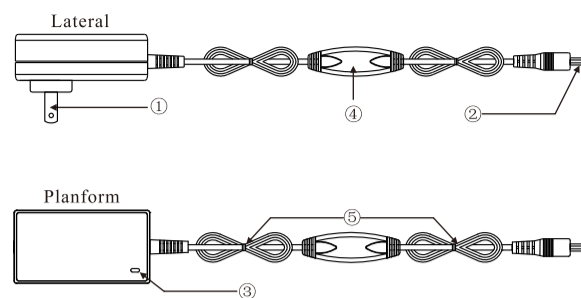
Parts Description and Function

Main Part



1. DC 9V Input (Center negative)
To connect adaptor DC plug.
2. 6.35mm Signal Input
To connect guitar output port.
3. 6.35mm Signal Output
To connect guitar amp input port.
4. Footswitch
Switch between True Bypass and Tuning mode.
5. Display Screen
Large LED screen for intonation, pitch name and other indexes.
6. DC 9V Output (Center negative)
Output 1-6 gives 100mA of power and 7-8 delivers 500mA.

Adaptor



1. Input Voltage: 100~240V 50/60Hz 0.6A
2. Output Voltage is DC9V, the connector's minus pole is in the center and the plus pole is on the outside. With the ability to handle up 2000 mA, it can power your entire pedal Board, including digital pedals, which usually take up more mA.
3. Power indicator for quick visual verification of on/off status.
4. Common mode filter in the output cable with strong anti-interference capabilities.
5. Power Cable is 1.5 meters long, and the plug has an outside diameter of 5.5mm and Inside diameter of 2.1mm.

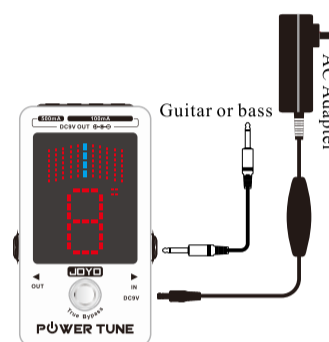
How to tune

First connect power adaptor to DC 9V Input port. When powers on, all LEDs on the display light up and gradually dim with only the red LED in the middle still on. If the red LED is off, it is in True Bypass mode. Press the Footswitch to convert to Tuning mode. This apparatus adopts True Bypass design, and therefore the tuning is perfectly quiet with no other noise coming out of the amp.

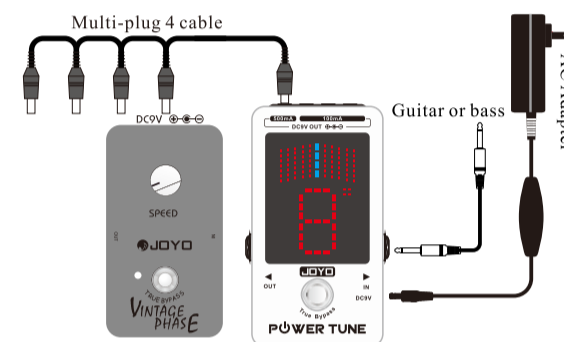
Play a note and adjust the pitch until the expected pitch name appears on the screen. Make minor adjustment to the pitch until the Blue LED in the center shines, thus the tuning is accurate. Step on the Footswitch to turn off the tune table and the signal will come out from the amplifier through True Bypass channel.

Connection Mode (Refer to illustration)

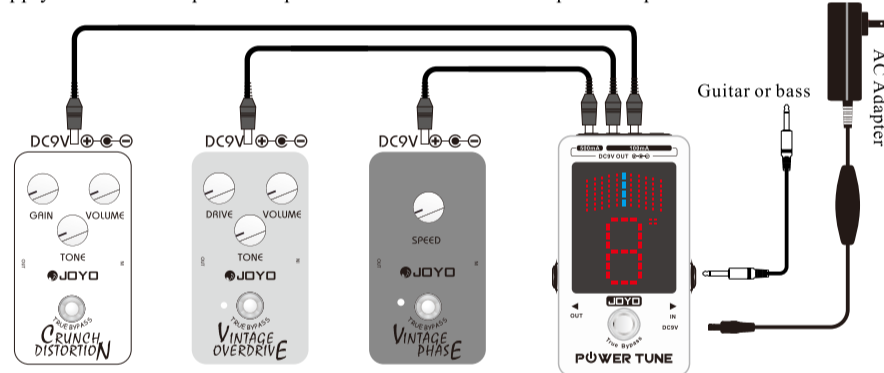
1. Separate tuning mode



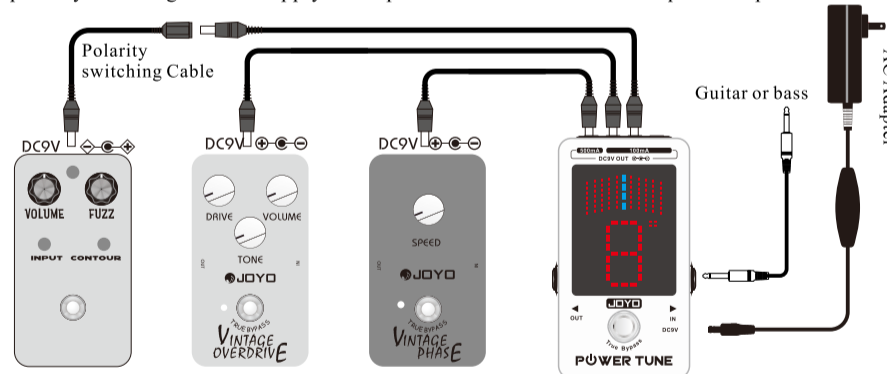
2. can use cable with 4 outputs for mutiple effect pedals or supply power to other compatible equipments.



3. Supply to one or multiple effect pedals or other device with equivalent parameter at the same time.



4. Use polarity reversing cable to supply effect pedals or other devices with equivalent parameters.



Parameters

Tuning

1. Input: 1/4 mono port
2. Output: 1/4 mono port
3. Tuning Range: 12Hz-4186Hz
4. Working Voltage: DC9V (Center Negative)
5. Working Current: DC120mA

Power

1. Input Voltage for adaptor: AC100-240V
2. One DC 9V input, 2A input current (Center Negative)
3. 8 isolated DC 9V outputs, 2 at 500mA, 6 at 100mA (Center Negative)
4. Isolated short-circuit/over current protection
5. Includes Adaptor, 8 DC power cords, 2 Polarity reversing cables

Package included

- Power supply 1pc
- Power Tune 1pc
- User Manual 1pc
- DC power cord 8 pcs
- Polarity reversing cable 2 pcs
- Multi-plug 4 cable 1pc

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使用说明书

POWER TUNE



感谢购买我们的产品!

请仔细阅读本使用说明书和保管好本说明书以供必要时查阅。
为了您的安全和能更快地熟练使用产品,使用前请先仔细阅读并理解本说明书中所有的安全与使用说明。本说明书内容仅用于使用说明,可能与实际操作本产品时有所不同。谢谢!

POWER TUNE小身材多功能,这就是最新为音乐家方便校音、自带电源而设计的产品,**POWER TUNE**校音电源一体机。它拥有迅速、精准、高清屏幕的校音体验,并且经过特殊改良滤波的8路低噪音独立电源输出,每路输出具备短路过流保护。超大LED屏幕方便您易读音准、音名,升级后的校音算法使得校音变得更精准,更迅速。我们在构思时就特别让本产品拥有紧凑的电源设计与独有的校音美感融为一体,区别于其他同类舞台校音表。**POWER TUNE**电源输出电流强劲,6组100mA输出可以带动市面上任意模拟效果器,2组500mA输出可以带动市面上绝大多数的数字效果器。这款专为音乐家量身设计的电源校音一体产品,具有独特醒目的外观,校音和电源在一起并不矛盾可以让你的效果器节省一个电源空间,当然音乐家也可以单独使用电源,或者单独使用校音表,精心设计的电路让它在电源校音一体化的同时避免带来串扰。本产品配备良好散热、超低辐射、自带滤波器、高效率的开关电源适配器,配备DC连接线配备反极性线。True bypass设计,将音色损耗降至最小。

注意事项 安全操作

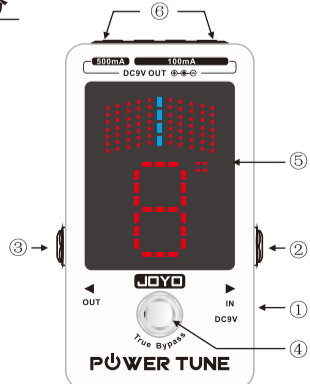
- 只能在本电源所规定的电压和电流范围内使用。
- 只能使用附带的延长线和转接线。
- 请勿让本产品淋雨、在水附件或潮湿环境中使用,或将盛有液体的容器放在其上,否则可能会导致液体溅入任何开口。
- 为了避免发生变形或损坏内部组件,请勿将本产品放在有大量灰尘、震动、极端寒冷或炎热(如阳光直射、靠近加热器或烈日下的汽车里)使用。
- 请避免任何异物(纸张、塑料或金属等)插入或落入本产品的任何间隙或开口。
- 操作产品时请不要用力过当以免损坏产品。
- 如果表面脏了,请用干净、干燥的布擦拭。请不要用苯、天拿水、洗涤剂、可燃性抛光剂等液体清洁剂。
- 该符号用来警告用户禁止推移在最顶端装有机器而又无保护措施的可移动机架,谨防最顶端的机器跌落给您带来不必要的人身伤害。为保护您的利益,请使用由该制造商所生产或推移的可移动机架、三角架、脚架、固定架、控制台等配件。
- 请勿打开本设备,试图拆卸其内部零件或进行任何方式的改造。本设备不含任何用户可自行修理的零件。若出现异常,请立即停用,并请专业的维修人员进行检修。
- 请不要把本设备和生活垃圾一同丢弃。正确的处理可以减少环境污染和健康危害。正确的处理方法各地不同,所以详情请联系各地。
- 本产品根据严格的产品规格生产,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。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。
- 为防止触电,非本公司授权人员,严禁拆开机壳。请勿自行确定在产品上使用或安装替代器件,或执行任何未经授权的修改。产品内部无操作人员可正常使用之部件,若需维修服务,请联系接受过培训的专业人员。
- 请参考本手册中特定的警告或注意事项信息,以避免造成人体伤害或产品损坏。

注意

- 根据使用方法或设备预留空间选择适合的产品类型及外形尺寸。
- 依据输入电压和输出电压、电流查找合适的相应规格。
- 明确纹波噪声、电压稳定度、负载稳定度等其它指标。
- 根据实际使用环境的温度、湿度、振动等要求;选择性价比合理的产品。
- 使用产品前,必须先读产品介绍和使用说明,看清接线标记。确认输入电压、电流,输出电压、电流与产品提供值相符。
- 接线时,请切断输入电源。
- 在安装完毕通电之前,请再次检查各接线端子上的连线,确认输入和输出、交流和直流、正极和负极、电压值和电流值等正确无误方可使用。杜绝接反、接错现象的发生。
- 多路输出的电源分主、辅输出,主输出特性优于辅输出,一般情况输出电流大的为主输出。为保证负载调整率和输出动态指标,一般要求最前面为主输出(因为线材最短损耗最小)。
- 电源的输出功率主要取决于原端的功率器件,请在额定功率下使用。为了满足客户的要求,厂家给功率留有一些余量。如有不祥之处,可向本公司技术人员咨询,以达到最佳效果。
- 电源产品一旦出现故障,应以最快捷的方式告知本公司或经销商,并说明电源损坏的现象,便于查找原因。
- 请不要频繁开启或者关闭电源,电源的频繁开关将会影响其寿命。

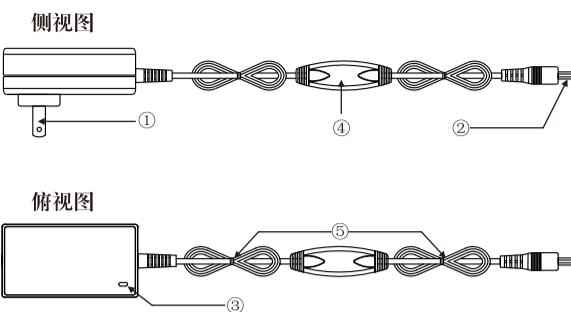
各部件名称及功能

主机部分



- 直流9V输入插座
直流电压输入插座是外正内负,可以连接适配器DC插头。
- 6.35mm信号输入插座
可以连接电吉他输出插座。
- 6.35mm信号输出插座
可以输出至吉他音箱输入插座。
- 脚踏开关
可以切换信号直通和校音模式。
- 音准音名显示屏
可以显示音准、音名、升号标识。
- 直流9V输出插座
外正内负,1-6可以提供100mA电流输出,7-8可以提供500mA电流输出。

适配器部分



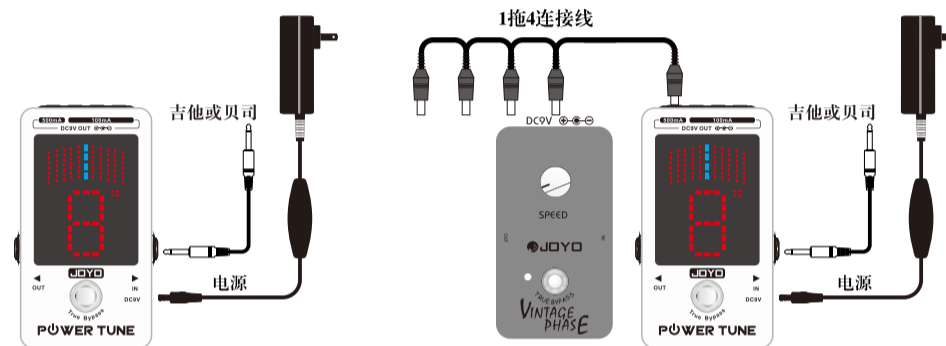
- 交流输入:
交流电压输入100~240V 50/60Hz 0.6A。
- 直流输出:
输出直流9V,外正内负,最大输出电流2000mA,即使像需要高电流的数字效果器也可以正常使用。最多可以接20个普通单块效果器。
- 电源指示灯:
电源开启时红色LED会点亮,电源关闭时红色LED熄灭。
- 滤波器:
可以滤除高频噪音,抗干扰能力强,让你的效果器不受电流影响输出更干净的直流电压。
- 输出线缆:
输出线长1.5米,插头大小:外径5.5mm,内径2.1mm。

如何使用校音功能

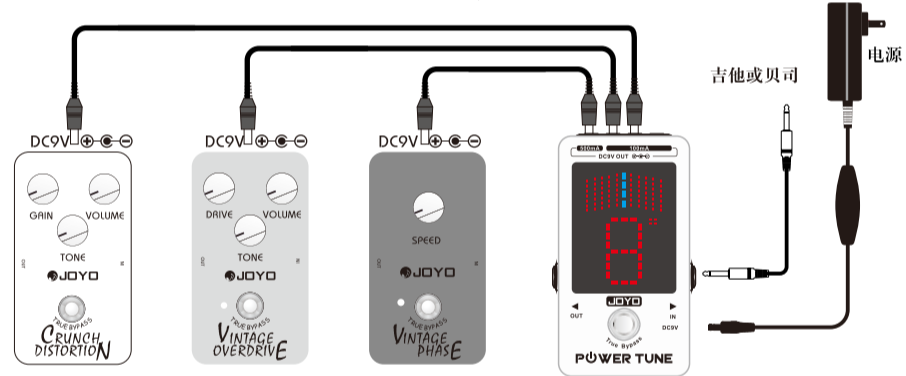
- 请先连接适配器到主机DC9V输入插座,开机上电时,屏幕所有的LED灯亮起,之后从左右两边开始消失(消失时有一点点延时,能看到轨迹),再到中间的蓝灯和音名部分消失,最后就剩下开机画面,剩下指针上中间的一行红色LED灯。如果没有显示中间一行红色LED,说明是信号直通状态,此时按一下校音表脚踏开关就切换为校音状态。因为本机采用真正的直通电路,只能静音校音,也就是校音时不会从音箱发出声音。
- 用乐器弹奏一个音符,并调节乐器的音高,直到屏幕上显示出预期的音名。根据音高指示灯和音名指示灯显示的状态,细微调节乐器的音偏高、音偏低,直到中间蓝色LED点亮,说明校音准确,(注意,其他琴弦类似这种方式),脚踩一下脚踏开关关掉校音表,此时信号直通声音会从音箱发出。

连接方式

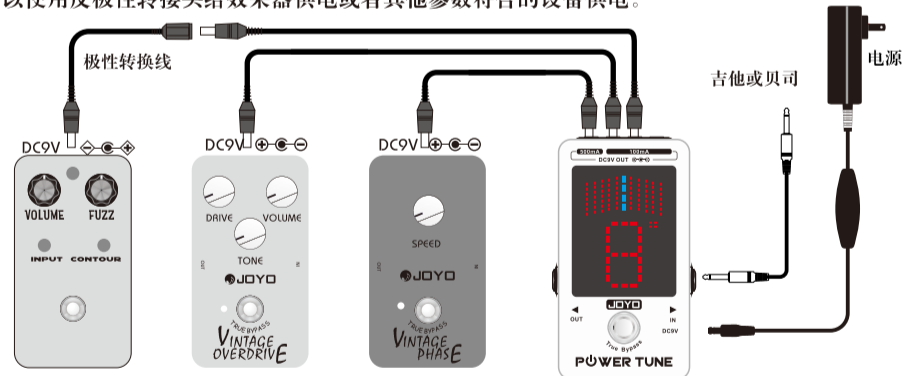
- 单独校音连接方式。
- 可以使用1拖4连接线给多个效果器供电,或者给其他参数符合的设备供电。



- 可以单独给一个效果器或者同时给多个效果器供电,也可给其他参数符合的设备供电。



- 可以使用反极性转接头给效果器供电或者其他参数符合的设备供电。



参数

校音参数:

- 输入: 1/4单声道接口
- 输出: 1/4单声道接口
- 校音范围: 12Hz ~ 4186Hz
- 工作电压: 9V直流(外正内负)
- 工作电流: 120mA

电源参数:

- 适配器输入电压: AC100~240V (适合全球电压使用)
- 1路直流9V输入,输入电流2A,(外正内负)
- 8路直流9V独立输出,2路电流500mA,6路电流100mA,(外正内负)
- 每路独立的短路、过流保护
- 内置适配器,DC电源连接线,反极性线

包装清单

- 电源1个
主机1个
说明书1份
DC连接线8条 (可以提供8块效果器同时使用)
反极性转接线2条 (适用于极性外负内正的效果器)
1拖4连接线

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