JOYO Audio UK Li 日期	更改内容
2021.10.20	REAMP改为REAMPING

JDI-48 说明书

感谢您购买我们的产品! 使用前请先阅读本使用说明书

- 切勿擅自拆卸、改装、修理机器,以免发生短路。
 勿在高温、潮湿、污浊、强烈震动处使用机器。
 勿將机器排落,或落在坚硬物体表面,以免机器操作失常。
 勿用酒精等稀释性液体擦洗机器表面,以免机器受损。

- ●接地开关断开输入与输出间的内部接地通道
- ●低通滤波器,-15dB衰减,极性反转
- ●DI部分有低频切除、相位反转、立体声混合等主要功能

面板介绍



- 1.REAMPING 输入接口接地开关
- 2.REAMPING 复合式输入接口(XLR/6.35mm)
- 3.REAMPING 输出信号大小调节旋钮
- 4 DI信号80Hz切除按键
- 5.DI信号衰减按键 (-15dB) 6.DI信号输入接口工作模式选择开关

- ●48V幻象供电 DI 直插盒,高动态处理,保留乐器音色更多的细节 ●无需电池,幻象电源供电
- 高輸入阻抗减小负载
- ●REAMPING 和DI二合一式产品,功能完全独立
- ●REAMPING 输入接口为6.35mm和XLR复合式,兼容两种插头
- ●适用于专业的录音和现场演出时的信号转换

DI功能使用场景说明

ulletDI功能为有源式,需要48V幻象电源供电,使用时打开调音台或声卡的 48\/幻象由酒 ●高阳转低阳

7.输入插□: MERGE按键未激活时, INPUT输入信号经讨DI转换。

当MERGE按键激活,INPUT和THRU两个接口合并为立体声输入接口,

12.DI单元地悬浮控制开关,按下后JDI-48的地线将不会与所连接的

8 THRU輸出插口: THRU为原始信号直通輸出(满足其他用涂)

满足一些立体声设备的信号输入。

11.DI单元XI R平衡输出接口

9.6.35mm REAMPING输出接口,用于连接音箱

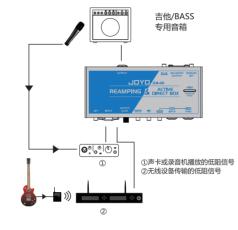
10.DI输出相位翻转按钮,按下后输出信号相位将被翻转

舞台扩声系统



REAMPING功能使用场景说明

● REAMPING 功能为无源式,不需要48V幻象电源供电,可直接使用



吉他/贝斯

在使用JDI-48前,用户必须确保您接入的设备被良好的接地,尤其是使用两插电源线 (这种线只有零线与火线端子,没有接地端子)的设备,如设备没有被可靠接地,将 有可能引发触电危险,导致触电伤害或设备损坏的情况发生。由于不同厂家设备的电 源及其接线方案或产品品质存在差异 IOYO无法确保避免此种情况的发生 IOYOs 此种不负有任何责任。用户在使用本产品前有责任确认您接入的任何设备符合您本国 的电气(电器)安全规范,且本品的使用场所亦符合您本国的相应建筑物电气(电器)

地悬浮 (GROUND LIFT) 功能

地悬浮功能用于斯开您的设备端(JDI-48及其接入的乐器或其他设备)地与输出到 具他设备(测音台或声卡等)的地连接,如果感发现您的回路系统中发出了"哼" 声或"嘶嘶"声,您可尝试激活本功能,来解决这个问题。多数情况下,此种噪声 是由于两套系统的地电位存在波动电势差产生的,即地环噪声。在断开两套系统的 地连接后,地环路被破坏掉,噪声即可消除。如激活此功能依然无法解决噪声问题,请检查您的设备周围是否有强干扰源(常见的如开关电源、老式显示器等)或您的 连线是否有屏蔽失效的情况... PAD功能

要供电并可以完成对信号进行衰减的设备。通常情况下,您可能不需要激活这个功 能,但当您接入的设备拥有很强的信号输出幅度,用输出音量调节旋缸调节后仍有 明显过载失真时,您可以激活本功能,对输入信号进行衰减(固定-15dB),并配 合调节输出音量调节旋钮,来将输出信号的失直降低到一个可接受的水平,

低切(LOW CUT)功能 在某些环境下,过低的低频响应可能会让音乐听起来浑浊不清,或引起回放系统的 喇叭被过载,也有可能会导致一些声学乐器(如太吉他)产生低频白激,这时候我 啊叭饭过事,,也当的标云号状一至产子不留(对小百)他了广王地观日成,这时候找 们就需要对输入信号(比如您乐器的输出信号)的低频做一定程度的衰减,来避免 上述情况的发生,JD1-48的低切开启后会对80Hz以下的信号进行切除,这可以在一 定程度上改善上述问题,如开启低切后依然无法改善这些问题,您可能需要一些额

DI输入接口与模式(MERGE)

活或关闭相位翻转开关来解决上述问题。

JDI-48的DI单元信号输入接口可以工作在两种模式下,在MERGE开关未被开启时 INPUT接口用于连接您的輸入设备,比如吉他,THRU接口则负责将INPUT输入进来的信号原原本本的(不做任何处理,无其他污染)的輸出出去,以供其他设备使 用,一个典型的应用是"听湿录干",比如THRU接您的音箱,您可以直接听到音箱

的失真或过载音色,但录到电脑中的实际是一个未被处理的原琴音色。 在MERGE开关开启后,INPUT和THRU都为输入模式,此时可以利用这两个端口输 入两路信号,经DI单元内部电路混合后作为一个单通道信号从输出接口输出到声卡

由于不同设备的输出信号与输出信号未必是固定的同相位关系。以及设备所连接的 起声源与同放声波产生声波干涉,使同放信号在某个频段上发生幅度或响度变化。 这种情况知时,您可以明显的感觉到回放设备(音箱)里发出的声音与您原本乐器的声音(声学乐器如木吉他)存在很大的差异或频段听感缺失,此时您可尝试激

DI部分由气参数

供电方式:外部48V幻象电源供电 重量:467α

工作电流:6mA 体积: 146mm×76mm×34mm 輸λ阳抗·220K欧姆 非平衡 输出阻抗 : 600欧姆, 平衡

频率响应:10-20000Hz<-0.5dBV 说明书×1

总资油生直 · <0.01% 相位失真 : -21deg 最大輸入信号: +16dBV

REAMPING 部分电气参数 供电方式:无需供电 输入阳抗:600Q

输入信号电平:+4dBV线路电平

卓乐产品服条政策

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 一、住止常使用产品以理中,如果产品加取非人为两种的性能似率,自则头之日起,用教有 享有保修服务、保修期为12个3。 二、有下列情况之一者,消费者不能享受保修权益。 1、人为排尽;2、超过保修期。3、无保修卡权育效发票,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、保养而造成才 品版环;6、未经年乐公司授权,擅自拆卸、维修产品、或浸水、排环产品;7、其他不可抗力 造成的损坏。 卓乐产品保修卡 产品型号 SN号码 购机日期

产品合格证

继生的位件自 品牌:JOYO 名称: 效果器 执行标准: QB/T 4324-2012 制造商: 深圳市卓乐科技有限公司

用户信息

制垣间,冰州ቦ阜水件及有限公司 地址:广东省深圳市宝安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

JDI-48 Owner's Manual

Thank you for purchasing our products! Please read this manual before use!

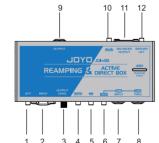
- Do not disassemble or repair this unit by yourself.
- high humidity, dirty or strong shock places.
- Do not drop this unit to hard surface in case of dysfunction. • Do not use liquid such as alcohol to clear the unit surface.

- Do not use or store this unit under following circumstances:
- 3. REAMPING Output Signal Control Knob
- DI signal 80Hz low-cut button
 DI signal attenuation button(-15dB)
- 6. DI signal Input Jack Working Mode Selection Switch

- 48V phantom powered DI box, high dynamic range, retaining the nuances of instruments' sound
- Grounding switch turns off the internal grounding channel between the Input&Output
- Low-cut filter, -15dB attenuation, it features polarity reverse
- High Input Impedance reduces pick-up loading
 REAMPING and DI 2 in 1, with independent functions

No need of battery, phantom powered

- DI features low-cut, phase reverse, stereo mix and more
 REAMPING Input Jack: 6.35mm and XLR 2 in 1 Input Jack, accepting both 6.35mm TRRS and XLR
- Suitable for signal switching during professional recording and live Panel

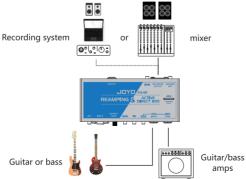


- REAMPING Input Jack Grounding Switch
 REAMPING 2 in 1 Input Jack(XLR/6.35mm)

- 7. INPUT Jack: The INPUT signal is converted by the DI when the MERGE button has not been activated.
- 8. THRU Output Jack: THRU is the original signal direct output (catering to other purpose); when the MERGE button is activated the INPUT and THRU Jacks merge into a stereo Input Jack, catering
- 9. 6.35mm REAMPING Output Jack, for connecting to the amps 10. DI Output Phase reverse knob, the Output signal phase is reversed
- once you press it.

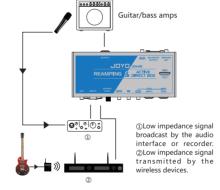
 11. DI unit XLR Balanced Output Jack
- 12. DI unit ground lift switch, JDI-48's ground wire won't be connected with the devices such as mixer or audio interface it connects to once you press this switch.

•The DI is active and needs to be 48V phantom powered, turn on the mixer or audio interface's 48V phantom power when it's in use High impedance to low impedance cor



REAMPING'S usage

REAMPING is passive, no need for 48V phantom power, can be used



Notes
Please make sure that the devices connect to JDI-48 has proper grounding before use, esp the devices with 2-prong power cord(this cable features neutral wire connector and live wire connector, without grounding connector), if the devices are not grounded properly, there might be electric shock, which causes electric shock to humans or do damage to the devices. Different manufacturer's power supply, connection or product quality are different, so JOYO cannot guarantee the mentioned won't happen, JOYO will not liable for any damages. Users ought to make sure that any device you connect matches your country's electrical safety rules, and it should be used at venues that comply with your country's safety rules for buildings.

The ground lift switch breaks the ground between your device(JDI-48 and other instruments or other devices it connects to) and output to other devices(mixer or audio interface, etc), you can activate this function to eliminate hum and noise if you hear them from the playback system. It's mainly caused by ground loop noise, which means 2 systems have a difference in electrical potential at grounding points. To break the 2 systems' ground and thus break the ground loop can eliminate the hum and noise. If the hum and noise still cannot be eliminated by this way, please take a look and check whether there is strong source of interference(such as power switch, obsolete monitor and more) nearby or the connection is not sufficiently shielded.

PAD stands for Passive Attenuation Device, it refers to the device that can attenuate PAD stands for Passive Attenuation Device, it refers to the device that can attenuate signal without supplying power. Normally, you may not need to activate this function, however, you can activate it if the device connects to JDI-48 has quite high output levels, and there is evident overload or distortion once you've adjusted the Output Volume Knob, it attenuates the input signal (fixed value: -15dB) and also decreases the output signal's distortion to an acceptable level by adjusting the output volume knob.

Low cut function

Extremely low bass response might make the sound muddy or overload the speakers of the playback system in certain circumstances, and may also cause low frequency self-oscillation for some acoustic instruments(such as acoustic guitar). To avoid the mentioned problem, we need to attenuate the input signal's low frequency(such as your instrument's output signal) to an extant. Once JDI-48's low cut switch is turned on, it cuts signal that is less than 80Hz, which improves it to an extent, if the problem still exists once the low cut switch is turned on, you might need extra device to help sched the problem solve the problem

DI Input Jack and mode(MERGE)

JDI-48's DI unit signal input jack features 2 modes, when the MERGE switch is not turned on, INPUT Jack can connect to your Input devices, such as guitar, THRU Jack outputs the signal from Input (without any treatment nor coloration) for other devices, one classic application is "what you hear is the wet sound that has been post processed, while what you record is the pure dry sound", for example, when THRU connects to the amp, you can hear the amp's distortion or overdrive tone directly, the tone recorded into the computer is actually the pure clean tone. When the MERGE switch is turned on, both INPUT and THRU are in input mode, now you can input 2 signals through INPUT and THRU, after been mixed through the DI unit and turns into a mono signal, outputting to audio interface or mixer through the Output Jack.

Different devices' Output Signal is not necessarily in-phase with each other, plus the fact that other devices it connects to might out of phase, so it might cause the Input Signal(from your instruments) and playback signal (the playback sound coming from the speaker) out of phase, the sound source and playback sound waves generate sound wave interference, the playback signal thus changes frequency response or loudness on certain frequency band. You'll find that the sound coming from the playback device(amp) and the instrument's original sound(acoustic instruments such as acoustic guitar) has huge disparity or frequency hearing loss, now you can either activate or turn off the phase reverse switch to solve the mentioned problems.

DI box's specifications Type:48V DC phantom power Input impedance:220KO, unbalanced Output impedance:600Ω, balanced

Frequency Response:10-20000Hz<-0.5dBv

Total harmonic distortion: < 0.01% Phase distortion:-21deg

Maximum input voltage<9VPP REAMPING'S specifications

Type:no need for power supply Input impedance:600Ω Input signal level:+4dB Line level

Weight:467g Dimensions:146mm×76mm×34mm Package contents

Main unit×1 Owner's manual×1



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