



# DI100 DI盒

## DI100 DI BOX

用户手册

Owner's Manual

## GENERAL INTRODUCTION

DI100 is a DI connecting box and line balancer, it mainly matching the level signal between different devices. Such as traditional guitar pick-up, and keyboard, console, Amplifying signal output and other electronic equipment. Otherwise, DI100 also uses as a signal converter which transform unbalanced signal to balanced signal. DI100 powered by 48V phantom or 9V battery. When console cannot convey phantom power or phantom power is intentionally or unintentionally cut off, DI100 will automatically powered by 9V battery. There is no need to worry about that during the performance will occur unforeseen circumstances. The shell made by firm fashioned metal aluminum, the quadrilateral rubber offers favorable protection which make steadier during placing, meanwhile reduce the unnecessary trill.

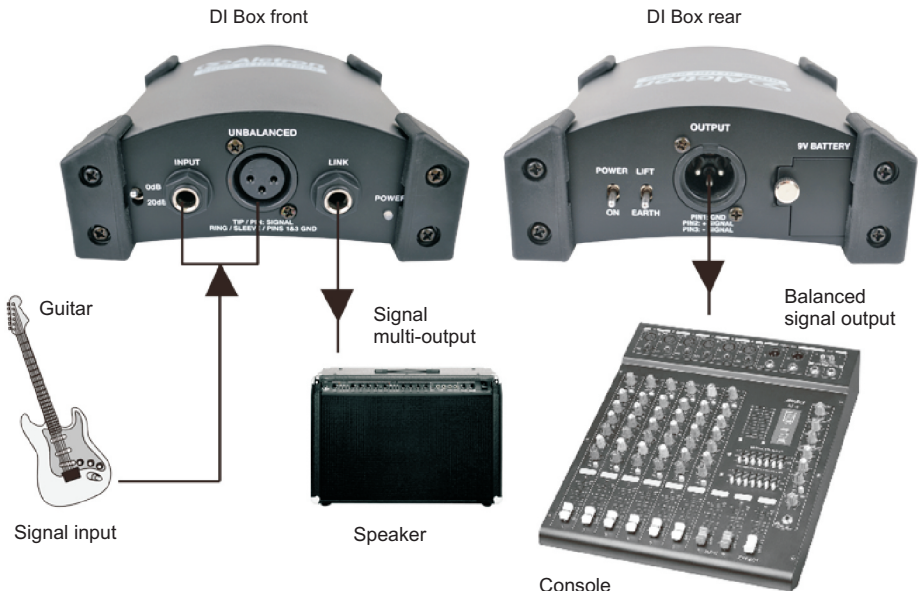
## FEATURES

- \* Applies to various occasions;
- \* Powered by 48V phantom power or 9V battery;
- \* The stable structure.

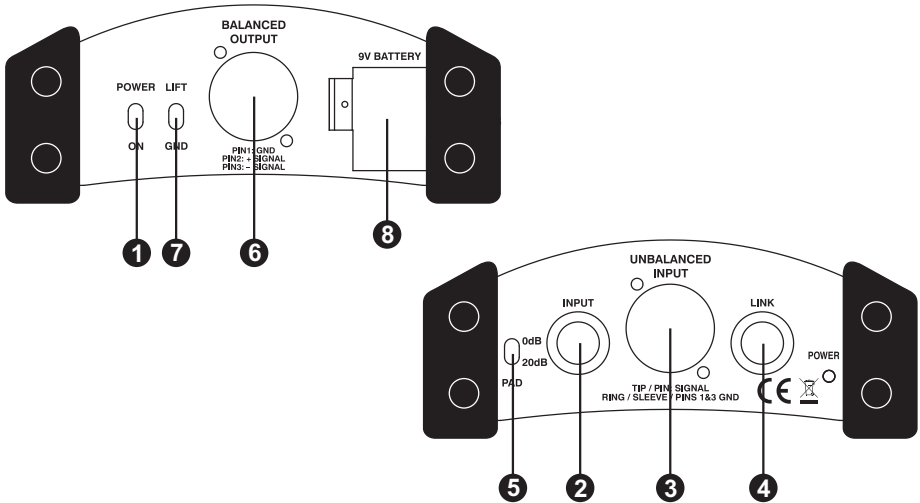
## HOW TO USE DI100

### THE DEVICE CONNECTION

When mono instruction connect to DI100, DI100 output connector connecting to speaker and console separately



# THE INTRODUCTION OF EACH BUTTON



**1. ON/POWER:** you can switch the battery power on and off to preserve battery life. Switched off the button the DI100 will stop to work. Switched on, the DI100 will automatically switch between battery or phantom power. When the DI100 is operating on battery the POWER LED will flash once every few seconds, when operating on phantom POWER LED will light up continuously.

**2. INPUT:** connect the source to this 1/4" jack to receive the signal.

**3. UNBALANCED:** to offer multi input connector, meanwhile DI100 features with a 1/4" jack and an unbalanced XLR input to connect the source.

**4. LINK:** this is the unbalanced parallel output of the DI100. Connect this to the input of another audio interface.

**5. 0dB-20dB:** the 0dB-20dB attenuation switches greatly increase the operating range of the DI100. From the low-level signals of a high impedance microphone or guitar to the hot speaker terminals of a P.A. amplifier. Depressing both will give 20dB attenuation. (Only use the 0dB-20dB switch if you are sure the DI100 is clipping and not your microphone pre-amplifier. Always use as little attenuation as possible to get better possible signal- to-noise ratio.

**6. OUTPUT:** this is the balanced microphone level output of the DI100. Connection to the XLR input should be made with a standard high quality balanced cable. (Never connect pin 2 or pin 3 to pin 1 and never disconnect the shield from pin 1, or the unit will not work on phantom power).

**7. LIFT/GND:** use this switch to either connect the ground of input and output or keep them completely separate.

**8. BATTERY COMPARTMENT:** loose the screw to open the compartment and to replace the 9V battery. When the DI100 is switched on battery POWER LED blinks, when it stops blinking it is time to change the battery.

## SAFETY PRECAUTION

- \* Do not charge the battery;
- \* Remove battery if the DI100 will not be used for a long period;
- \* Store the DI100 out of the reach of children;
- \* Do not store the DI100 under direct sunlight, near heating devices or in a hot, humid or dusty place. Do not allow the DI100 to get wet;
- \* Do not disassemble, modify or attempt to repair the DI100;
- \* Connect/disconnect the cable by holding the plug. Pulling directly on the cable can result in a broken wire and the risk of electric shock.

## SPECIFICATION

- \* Frequency response: 10Hz-40KHz
- \* Noise level: 105dB
- \* Input: XLR & 6.35mm
- \* Line output: 6.35mm
- \* Output: XLR balanced
- \* Maximum input level: 0/+20/+40dB
- \* Power supply: 48V phantom power
- \* Power supply: 9V battery
- \* Input impedance: >250K $\Omega$
- \* Load impedance: >600 $\Omega$

## SERVICE

**If your product needs servicing, follow these instructions.**

1. Ensure the problem is not related to operation error or external system devices.
2. Keep this owner's manual. We don't need it to repair the unit.
3. Pack the unit in its original packaging including end card and box. This is very important. If you have lost the packaging, please make sure you have packed the unit properly. ALCTRON is not responsible for any damage that occurs due to non-factory packing.
4. Ship to the ALCTRON tech support center or the local return authorization.

ALCTRON is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.

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## 产品介绍

DI100是一款DI接线盒及线路平衡器，主要用于匹配不同设备之间的电平信号，比如传统的吉他拾音，以及键盘、调音台、放大信号输出等电子设备。此外，DI100还可以用作不平衡和平衡信号的转换器。DI100使用时可以通过幻象电源供电，也可以通过附带的9V电池供电。当不能从调音台输送过来幻象电源，或者幻象电源被有意或无意地切断时，DI100会自动通过内部的9V电池供电使用，不用担心任何时候您的音乐演出出现意外情况。机体采用坚固成型的铝型材金属外壳制作，四角的橡胶垫有针对性地提供了良好的保护，放置时更加稳固，同时也减少了共振产生的不必要的颤音。

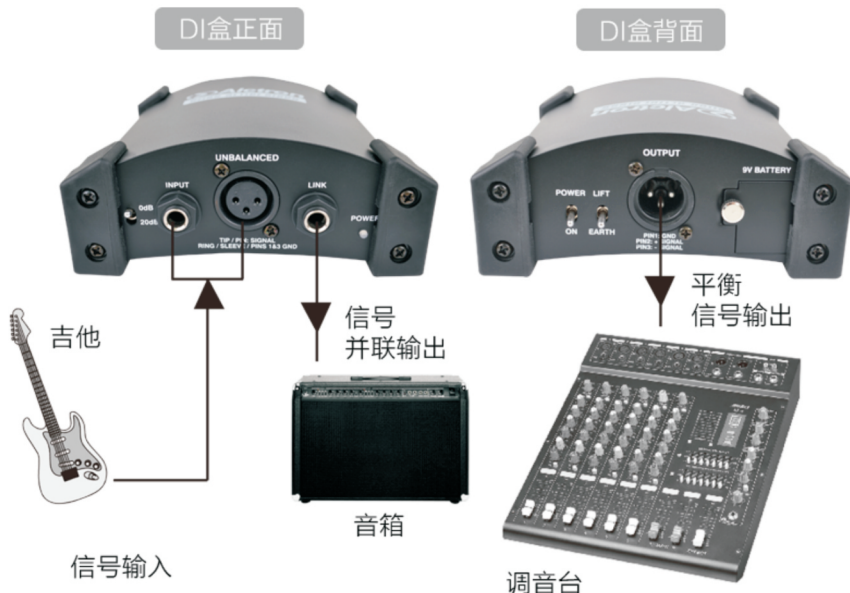
## 特征

- \* 适用范围广；
- \* 由48V幻象电源或者9V电池供电；
- \* 机体结构稳固。

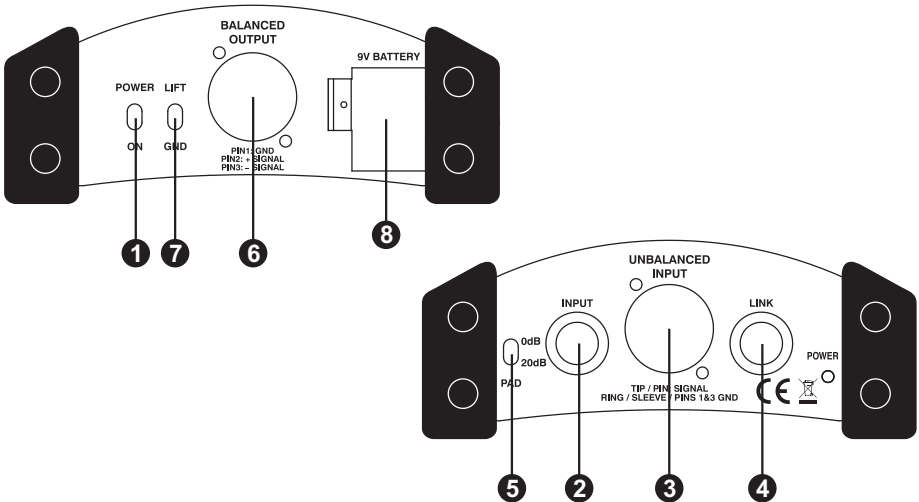
## 如何使用DI100

### 设备线路连接图

单声道乐器接入DI后，DI输出接口分别连接音箱和调音台



## 各按钮的使用介绍



1. ON/POWER: 您可以通过打开或者关闭这个开关来保护电池的寿命。关掉这个开关, DI100会停止工作; 打开这个开关, DI100可以通过电池或幻象电源工作。当DI100是在电池电量充足状态下工作的时候, LED灯每过几秒就会闪烁一下, 当DI100是在幻象电源供电状态下工作的时候, LED灯会一直亮着。

2. INPUT: 连接1/4英寸的夹克来输入信号。

3. UNBLANCED: 有着多种输入接口可以选择, DI100同时装有1/4英寸的夹克和一个不平衡的卡侬信号输入接口

4. LINK: 这是一个不平衡的平行输出, 可以跟另外一个音频接口连接。

5. 0dB-20dB: 这个开关大大的增加了DI100的输入工作范围。从低电平信号高阻抗的麦克风或者吉它到扬声器端子的放大器, 都可以使用这个开关来实现20dB的衰减。(在您确定DI100而不是您的麦克风前置放大器是过载的情况下, 您可以使用这个开关。尽量少使用这个开关来得到尽可能好的信噪比。)

6. OUTPUT: DI100的这个接口是平衡的电平信号输出。应该用标准的高品质的平衡连接线来连接卡侬输入。(千万不要将2针或者3针去连接1针同时也千万不要断开1针,不然DI100在幻象电源供电的情况下也不会工作)。

7. LIFT/GND: 这个开关可以连接输入和输出的接地, 或者可以将它们的接地端完全分离。

8. BATTERY COMPARTMENT: 将螺丝拧松取下电池盖, 随后将9V电池放入适当的位置。当您是用电池供电时LED灯会闪烁, 当LED灯停止闪烁的时候这意味着您的电池电量过低该更换电池了。

## ⚠ 注意事项

- \* 请勿给电池充电；
- \* 若是长时间不使用，请将电池取出；
- \* 请将阻抗变换器放在儿童拿不到的地方；
- \* 不要将阻抗变换器放在阳光直射下、暖气设备附近或湿热或多尘的地方。不要弄湿阻抗变换器；
- \* 请勿拆卸或改造阻抗变换器；
- \* 请抓住插头拔导线。直接拉扯导线可能导致电线损坏和触电危险。

## 产品参数

- \* 频率响应: 10Hz-40KHz
- \* 噪声级别: 105dB
- \* 输入: 卡侬和6.35mm输入
- \* 线路输出: 6.35mm
- \* 输出: 卡侬平衡输出
- \* 最大输入电平: 0/+20/+40dB
- \* 供电要求: 48V幻象电源
- \* 电池: 9V电池
- \* 输入阻抗:  $>250K\Omega$
- \* 负载阻抗:  $>600\Omega$

## 保修

**如果您的产品需要维修，请按照以下说明操作。**

1. 请确保不是因为操作不当或外部设备所造成。
2. 请保存好我们的说明书，返修的时候不必把说明书寄回给我们。
3. 返修的时候请用产品原来的包装箱来包装，这是非常重要的。如果你已丢失原包装，请确保您正确包装和保护好本耳机。ALCTRON是不负责由于非原厂包装造成任何损害。
4. 运送到ALCTRON技术支持中心或当地的授权经销商。

奥创电子有限公司始终尽力确保和提高产品的质量水平。必要的修改将不预先通知予以实行。  
因此产品的技术数据和外观可能与所述说明或插图有不同之处，敬请谅解。

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