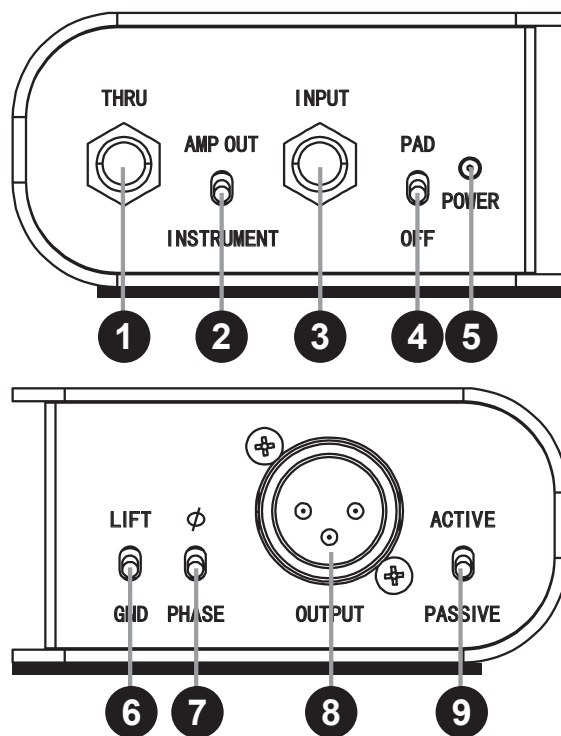
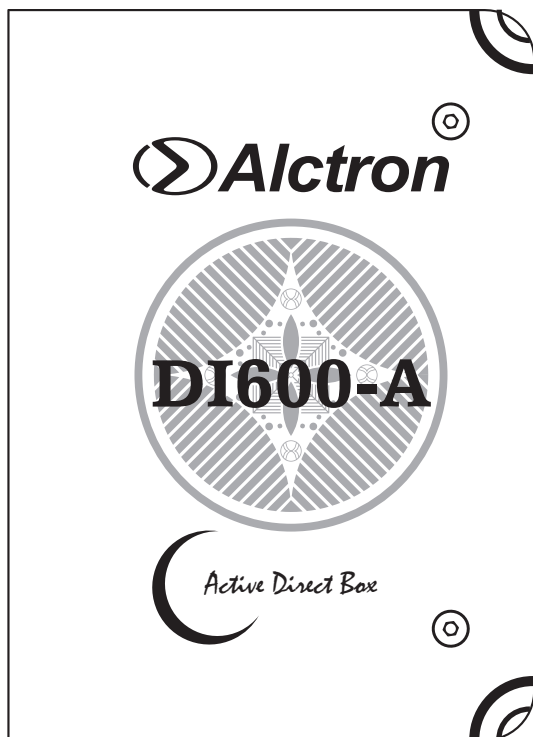


## DI600-A ACTIVE DI BOX

### GENERAL INTRODUCTION

DI600-A active DI box delivers warm, vintage-flavored direct sound from your keyboard or guitar. It equipped with a custom transformer that impedance-matched and balances your signal and also helps eliminating buzz and hum due to ground loops. 10Hz to 40kHz frequency response keeps your dry signal clear and uncolored. 20dB pad to balance your sound and reduce distortion. Active and passive two mode for your ref. Rugged metal housing and high quality parts the DI600-A is built to perform the long haul.

### FUNCTION INTRODUCTION

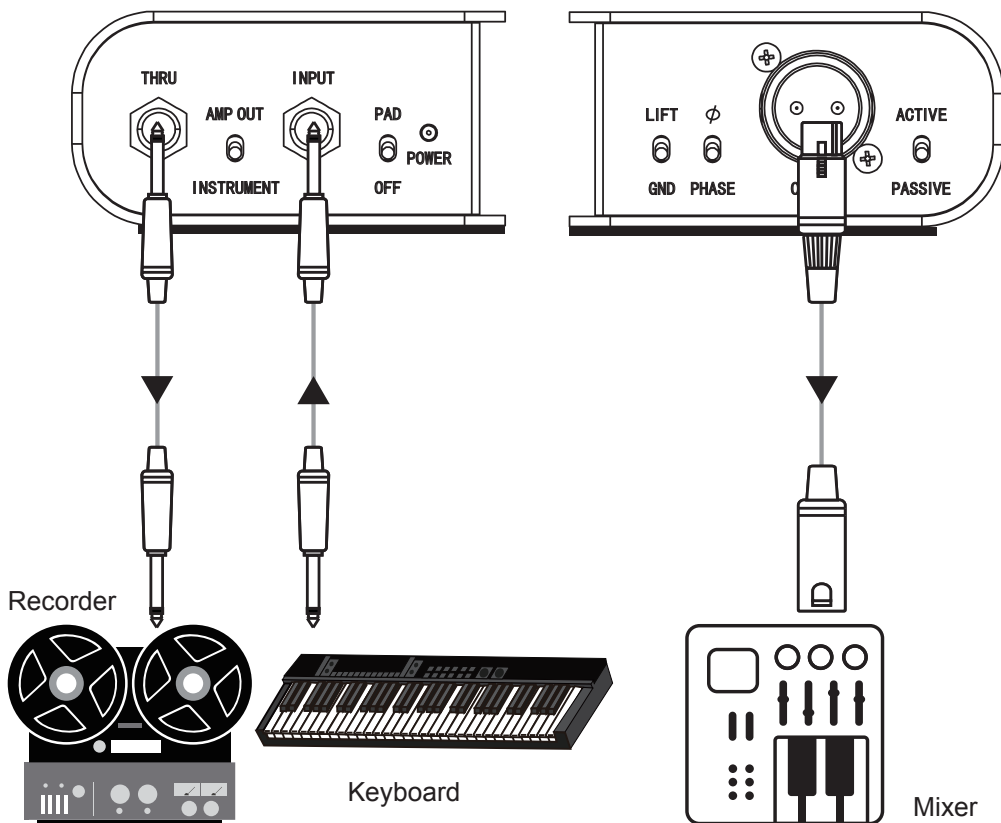
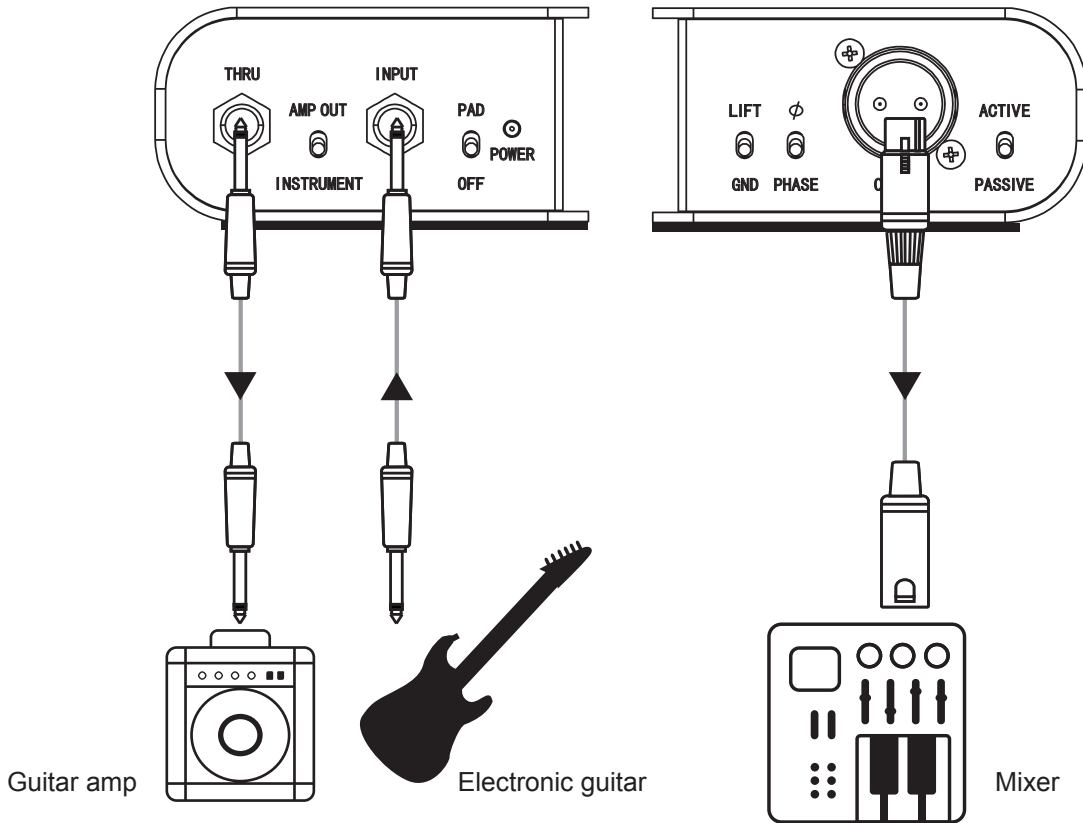


- 1、 **THRU:** 6.35mm TS unbal thru output connector, connect to guitar amp, recorder etc.
- 2、 **AMP OUT/INSTRUMENT:** when you want to send your amplifier's amplified signal, you can dial the switch to "AMP OUT"; all other applications select INSTRUMENT.  
**Note:** If using the AMP OUT input, please take note that some guitar and instrument amplifiers require their amplified output to be loaded by a speaker to prevent over-heating. If this is the case for your amplifier, please connect a speaker cabinet to the THRU while using the AMP OUT input.
- 3、 **INPUT:** 6.35mm TS unbal input connector, connect to guitar, keyboard etc devices.
- 4、 **PAD OFF:** attenuation switch, dial to the OFF, keep the same signal; dial to the PAD, signal has a 20dB reduction. When OUTPUT(8) signal distortion, dial the switch to PAD, signal has a 20dB reduction.
- 5、 **POWER:** equals to 48V phantom power indicator, when OUTPUT(8) has 48V phantom power in, lit red LED indicator.
- 6、 **LIFT GND:** GND switch, dial to the GND position in ground mode; dial to the LIFT position in lift mode. Dial to the this switch can greatly aid in eliminating hum or buzz caused by ground. This switch only aim to OUTPUT(8).
- 7、 **PHASE  $\Phi$ :** phase switch, dial to the PHASE, input and output signal in the same phase; dial to the  $\Phi$ , input and output signal in the different phase. This switch only aim to OUTPUT(8).
- 8、 **OUTPUT:** 3-pin XLR bal connector, connect to mixer.

9、 **ACTIVE PASSIVE:** this switch allows you to choose between using in its ACTIVE or PASSIVE mode. When OUTPUT(8) input 48Vphantom power, POWER(5) lit red light and also ACTIVE PASSIVE switch we recommend dial to the ACTIVE. This switch only aim to OUTPUT(8).  
 When connecting passive instruments or other devices with particularly weak signals, an active DI box can reduce impedance while also minimizing noise. The signal will be buffered and balanced, allowing for a naturally full sound quality even at low output levels. Active DI boxes generally possess stronger signal processing capabilities.

## APPLICATION

Here are two common applications for your ref.



## SPECIFICATIONS

* Audio circuit:	transformer based
* Frequency response:	10hz-40khz-/+0.5dB
* THD:	0.002%@1KHz
* Input impedance:	1M Ohms
* Balanced output impedance:	600 Ohms
* Attenuate:	20dB
* Power:	48V phantom power

## SERVICE

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

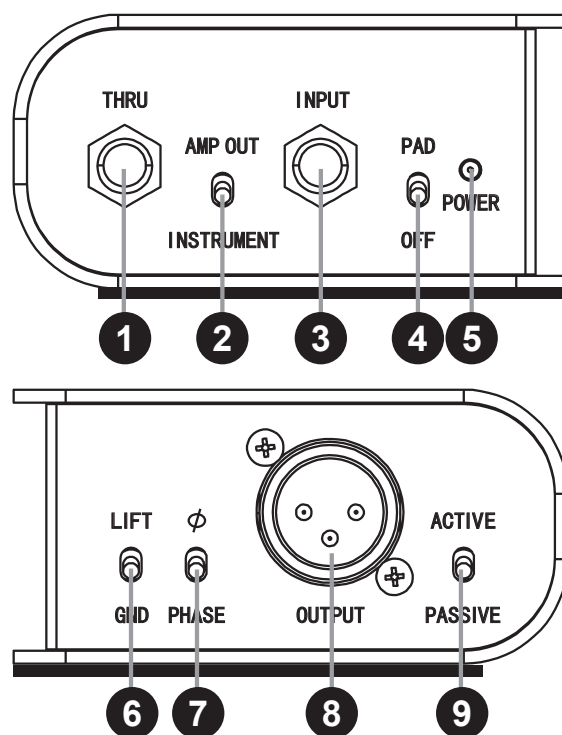
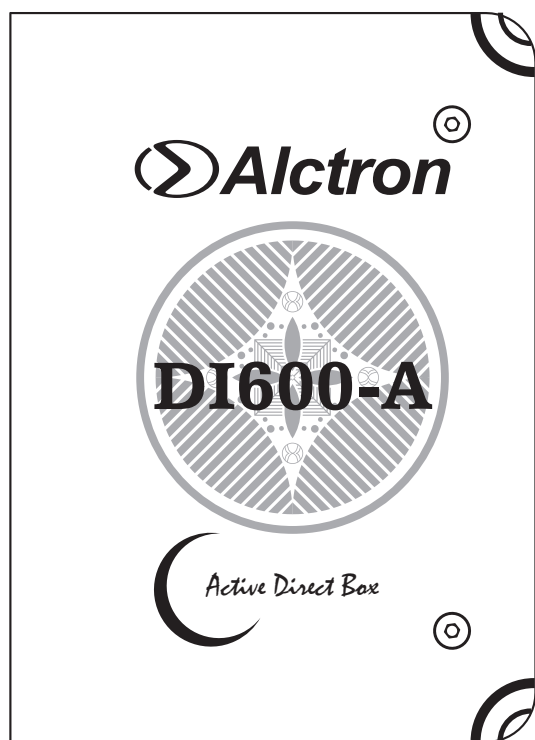
1. Ensure the problem is not related to operation error or external system devices.
2. Keep this owner's manual. We don't need it to repair the unit.
3. Pack the unit in its original packaging including end card and box. This is very important. If you have lost the packaging, please make sure you have 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.

## DI600-A有源DI盒

### 产品简介

DI600-A是一款有源DI盒，提供温暖、复古风味的声音。定制音频的变压器将高阻抗信号转换为低阻抗，确保信号与声卡、调音台等设备阻抗匹配。同时帮助消除因接地回路引起的嗡嗡声和杂音。DI600-A提供10Hz至40kHz宽广的频率响应，保持你的信号清晰无音染。20dB衰减器可降低你的声音信号大小减少失真。有源和无源两种模式供你选择。坚固的金属外壳和高质量的零件确保DI600-A长时间运行无压力。

### 功能介绍

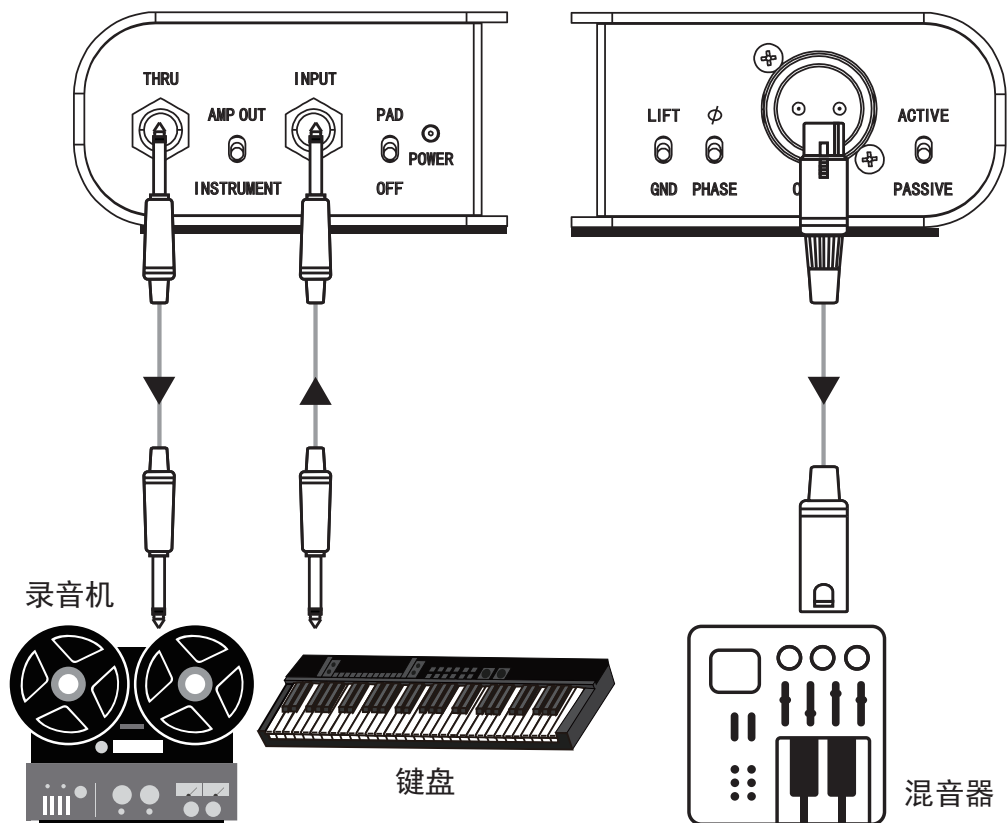
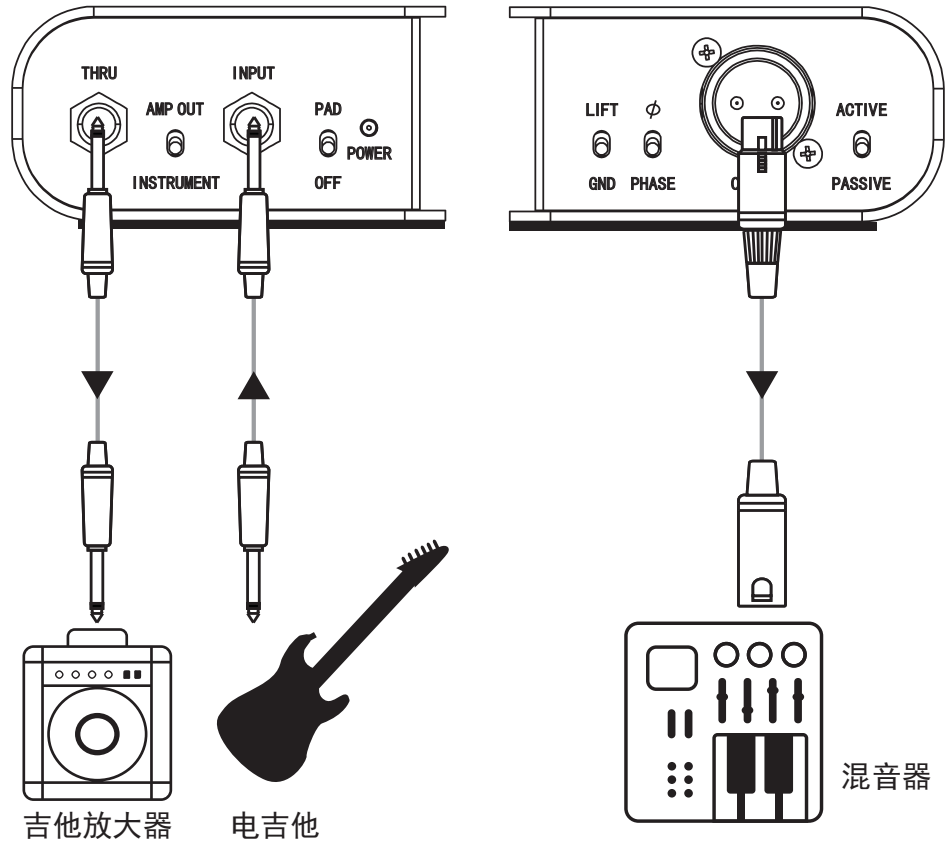


- 1、THRU：6.35mm直通TS非平衡输出接口，连接吉他放大器，录音机等。
- 2、AMP OUT/INSTRUMENT：当您想传输已经被放大的信号的时候，将开关打到AMP OUT；其他信号都打到INSTRUMENT的位置。  
**注意：**如果使用AMP OUT输入，请注意，一些吉他和乐器放大器工作时要求其放大输出接口一定要连接扬声器负载，以防止过热。如果您的放大器是这种情况，请在使用AMP OUT输入时将扬声器负载连接到THRU插座上。
- 3、INPUT：6.35mm TS非平衡输入接口，连接吉他，键盘等此类设备。
- 4、PAD OFF：信号衰减开关，开关打到OFF位置，信号不变；开关打到PAD的位置，输出信号衰减20dB。当OUTPUT（8）信号失真时，此开关打到PAD的位置，信号衰减20dB。
- 5、POWER：即48V幻象电源指示灯，当OUTPUT（8）接入48V幻象电源时，亮红灯。
- 6、LIFT GND：接地开关，开关打到GND位置，接地状态。开关打到LIFT位置，不接地状态，此开关可以减少由接地问题引起的噪音。此开关仅针对于OUTPUT（8）。
- 7、PHASE  $\Phi$ ：相位开关，开关打到PHASE，输入信号相位和输出信号相位相同；开关打到 $\Phi$ 输入信号相位和输出信号相位相反。此开关仅针对于OUTPUT（8）。
- 8、OUTPUT：三针卡农平衡接口，连接混音器。

9、ACTIVE PASSIVE：有源/无源选择开关，当OUTPUT（8）接入48V幻象电源时，POWER（5）亮红灯，且有源/无源选择开关我们推荐打到ACTIVE的位置。此开关仅针对于OUTPUT（8）。在连接无源乐器等信号特别弱的时候，有源DI盒则能减小阻抗的同时减小噪音，信号将会被缓冲和平衡，低输出的情况下也能获得自然饱满的音质。有源DI盒通常具备更强的信号处理能力。

## 应用

这里是两种常规使用方式供您参考。



## 参数

- \* 音频线路： 有变压器
- \* 频响： 10hz-40khz-/+0.5dB
- \* THD： 0.002%@1KHz
- \* 输入阻抗： 1M Ohms
- \* 平衡输出阻抗： 600 Ohms
- \* 衰减： 20dB
- \* 电源： 48V幻象电源

## 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产品。爱克创是不负责由于非原厂包装造成任何损害。
4. 运送到爱克创技术支持中心或当地的授权经销商。

版权所有©宁波奥创电子科技有限公司,所有权保留。必要的技术数据和外观更改恕不另行通知。

宁波奥创电子科技有限公司  
地址：浙江省宁波市海曙区秀丰工业区三成路76号  
电话：0574-88011699 邮箱：sales@alctron-audio.com  
网址：<http://www.alctron-audio.com>

Instructions for use