

MP73V2 话筒信号放大器 MICROPHONE AMPLIFIER

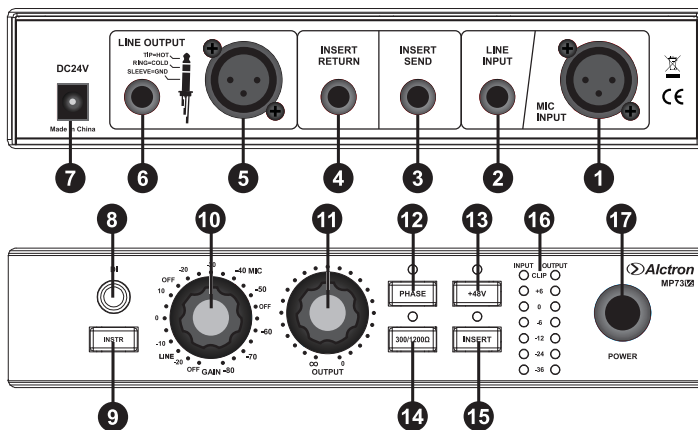
用户手册

Owner's Manual

GENERAL INTRODUCTION

MP73V2 is a single channel microphone amplifier. Its fully discrete signal path with three separate transformers for the mic input, line input and line output. Each transformer enhances performance in a way. The classic circuit ensures output sound smoother, natural and warmth. Via various button and knob to adjust the signal which offers ideal sound quality and avoids sound distortion. Its heavy-duty shell makes product sturdy and durable.

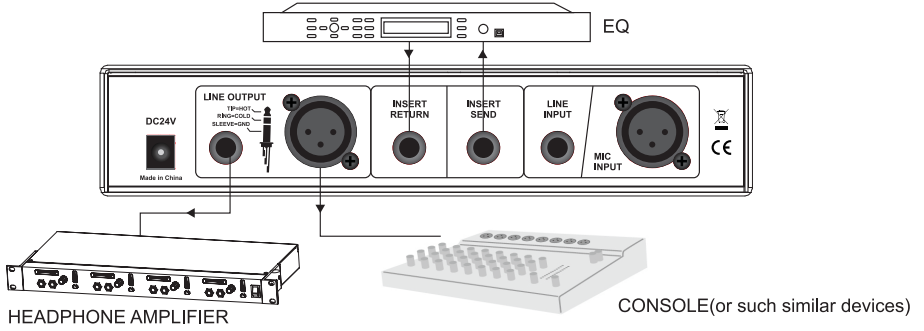
INTRODUCTION OF EACH BUTTON



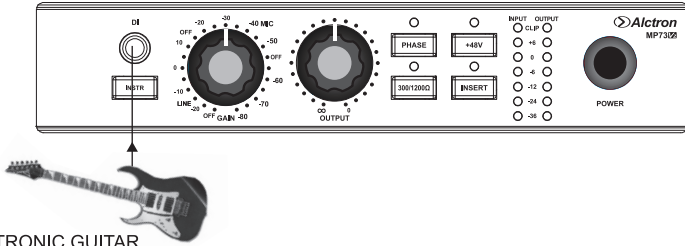
- 1.MIC INPUT: XLR input connector for balanced microphone level signals.
- 2.LINE INPUT: 6.35mm TRS input connector designed for line level instruments or sources that put out line level signal such as keyboards, electric instruments or audio interface outputs.
- 3.INSERT SEND: 6.35mm output connector allows to connect another EQ device.
- 4.INSERT RETURN: 6.35mm input connector allows to connect another EQ device.
- 5.LINE OUTPUT: XLR output connector allows you to connect console such similar devices.
- 6.LINE OUTPUT: 6.35mm TRS input connector allows you to connect headphone amplifier, active speaker such similar devices.
- 7.DC24V: power supply connector, designed to connect the provided DC 24V power supply.
- 8.DI: instruments input connector, connect to guitar such instruments.
- 9.INSTR: press the button, you can input the signal from DI connector.
- 10.GAIN: selectable switch for the MIC/LINE INPUT source. Adopts 23-steps rotational wave band switch. From OFF to OFF in the left position is the gain control shared for LINE/DI(press the INSTR button control DI), this moment the MIC input source is cut. From -20 to -80 in the right position is the gain control MIC, this moment the LINE/DI input source is cut.
- 11.OUTPUT: control output level.
- 12.PHASE: with this switch the input signal is reversed in phase by 180°. The blue LED will lit.
- 13.+48V: most modern condenser mics requirement +48V phantom power to operate. When press the button, 48V phantom power delivered power to the rear panel MIC INPUT. The blue LED will lit.
- 14.300/1200Ω: impedance selector switch on the MIC INPUT mode. 300ohm & 1200ohm can be selected. You can choose one of them according to the output impedance of the microphone you used. For most of condenser mic and some dynamic mic, you can select 300ohm, for other mics, if you do not know the output impedance, press the switch to 1200ohm. The blue LED will lit.
- 15.INSERT: only press this button INSERT RETURN and INSERT SEND can be used. The blue LED will lit.
- 16.INPUT & OUTPUT: level indicator to avoid sound distortion.
- 17.POWER: the power switch is used to power the unit on and off. Blue LED light will indicate if the unit is powered on.

CONNECTION

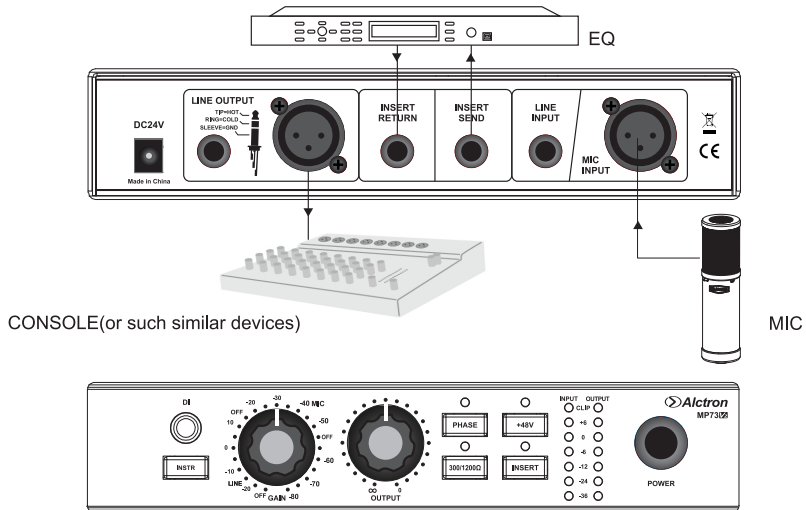
Take DI as an input device



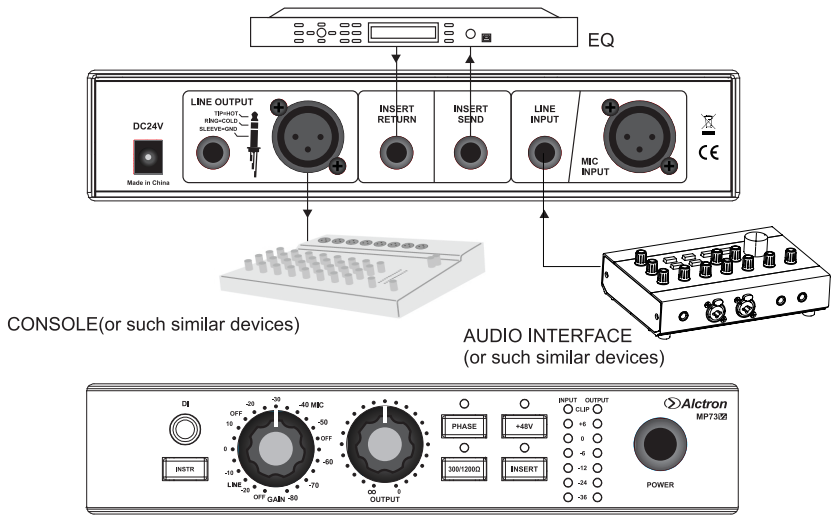
ELECTRONIC GUITAR



Take MIC INPUT as an input device



Take LINE INPUT as an input device



SPECIFICATIONS

Line input

- * Connector: 6.35mm TRS
- * Input impedance: 10kohm balanced
- * Gain: -10dB~+20dB

Mic input

- * Connector: XLR
- * Input impedance: 300/1200ohm balanced
- * Gain: +20dB~+80dB

Instrument

- * Connector: 6.35mm TS
- * Input impedance: more than 100kohm

Analog output

- * Connector: XLR/6.35mm TRS
- * Output impedance: 75ohm balanced
- * Max output level: +21dBu
- * Distortion: less than 0.07% @1khz
- * Frequency response: 20hz-20khz±0.5dB
- Power: DC 24V

SERVICE

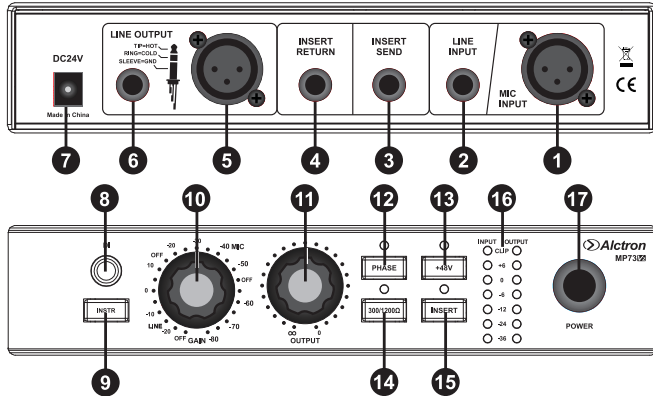
If your Product needs servicing, follow these instructions.

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.

产品简介

MP73V2是一款单声道话筒信号放大器。话筒输入，线性输入以及线性输出都有自己独立的变压器，三个变压器各司其职在一定程度上提高了设备的运行速度。其经典的电子线路确保了输出音质更加的平滑，自然温暖。面板上多种功能各异的开关旋钮，通过调节开关旋钮给您提供高品质的输出音质同时也能避免声音的失真。重型金属的壳身使得产品坚固耐用。

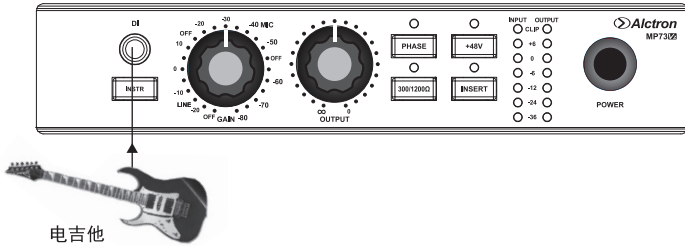
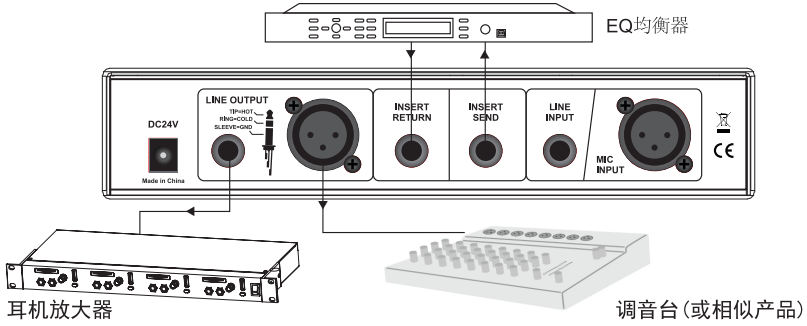
各个按钮的功能介绍



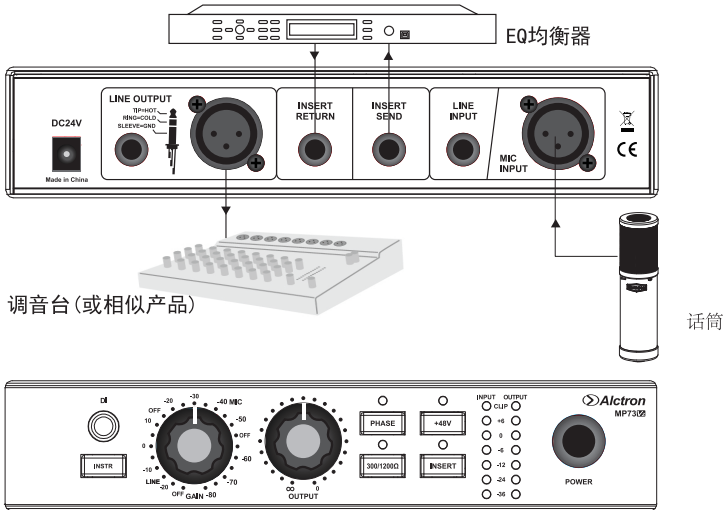
1. MIC INPUT: XLR平衡输入接口，连接麦克风。
2. LINE INPUT: 6.35mm TRS输入接口，连接乐器或者带有线性输出接口的设备，例如键盘，电子乐器或者音频接口。
3. INSERT SEND: 6.35mm输出接口，连接另外一台EQ设备。
4. INSERT RETURN: 6.35mm输入接口，连接另外一台EQ设备。
5. LINE OUTPUT: 卡农线性输出接口，连接调音台此类相似设备。
6. LINE OUTPUT: 6.35TRS输出接口，连接耳放、有源音箱此类相似设备。
7. DC24V: 电源开关接口，提供DC 24V的电源。
8. DI: 乐器输出接口，连接吉他此类乐器。
9. INSTR: 只有当您按下这个开关，才能从DI输入接口输入信号。
10. GAIN: MIC/LINE INPUT增益选择开关，采用23段波段式旋转开关。从左边的OFF到OFF为LINE/DI增益调节（按下INSTR开关控制DI增益），此时MIC INPUT的增益不能调节。从右边的-20到-80为MIC增益调节，此时LINE/DI的增益不能调节。
11. OUTPUT: 控制输出信号的音量大小。
12. PHASE: 按下此开关，相位反转180°。蓝色LED灯亮起。
13. +48V: 当话筒需要48V幻想电源供电，当您按下这个键的时候，48V幻象电源给话筒供电。
14. 300/1200Ω: 当MIC INPUT有信号输入的时候，此开关可以选择阻抗的大小。对于绝大多数铝带和电容话筒，您可以选择300ohm阻抗，对于其他话筒，您不确定输出阻抗的时候，您可以选择1200ohm阻抗。蓝色LED灯亮起。
15. INSERT: 只有按下此开关，后面板上的INSERT RETURN和INSERT SEND接口才能有输入输出信号。按下此开关蓝色LED灯亮起。
16. INPUT & OUTPUT: 输入输出电平指示灯，避免信号的失真。
17. POWER: 电源开关，打开/关闭设备。蓝色LED灯亮起，打开设备，反之关闭设备。

产品连接图

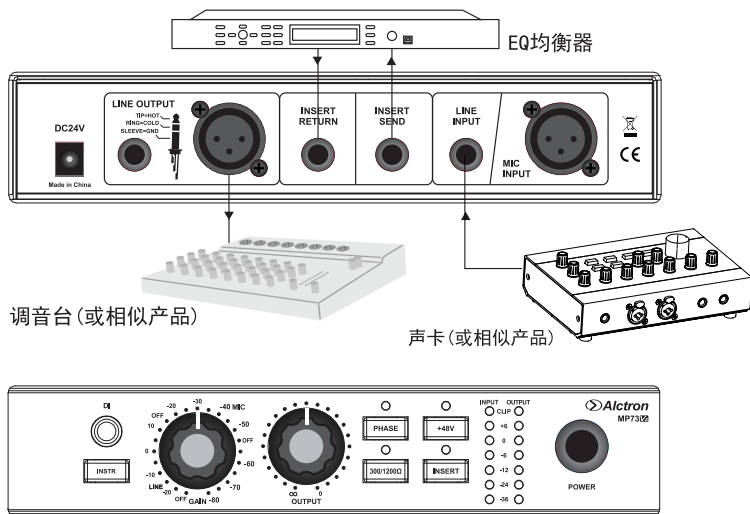
当DI作为输入设备的时候



当MIC INPUT作为输入设备的时候



当LINE INPUT作为输入设备的时候



参 数

线性输入

- * 接口: 6.35mmTRS
- * 输入阻抗: 10kohm平衡
- * 增益: -10dB~+20dB

话筒输入

- * 接口: XLR
- * 输入阻抗: 300/1200ohm平衡
- * 增益: +20dB~+80dB

乐器输入

- * 接口: 6.35mmTS
- * 输入阻抗: 大于100kohm

模拟输出

- * 接口: XLR/6.35mmTRS
- * 输出阻抗: 75ohm平衡
- * 最大输出电平: +21dBu
- * 失真度: 小于0.07% @1khz
- * 频响: 20hz-20khz ±0.5dB
- * 电源: DC 24V

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。

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