

# MP73EQV2 话筒信号放大器

MICROPHONE AMPLIFIER

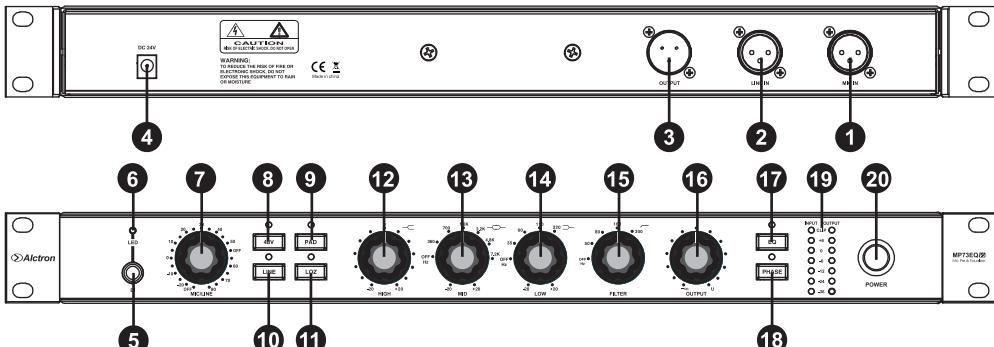
## 用户手册

Owner's Manual

## GENERAL INTRODUCTION

MP73EQV2 is a single-channel microphone amplifier with EQ function. Its high/mid/low equalizer adjust relative 11 frequency selections combines unique electronic circuit which amplify sound in a premium way and make output sound more clear and natural. Its fully discrete signal path with two separate transformers for the input and output enhances MP73EQV2's performance. Various knobs, alum alloy material make MP73EQV2 fashionable and durable.

## INTRODUCTION OF EACH BUTTON



1.MIC IN: XLR input connector for balanced microphone level signals. When take MIC IN as an input device, do not press LINE button.

2.LINE IN: XLR input connector designed for line level instruments or sources that put out line level signal such as keyboards, electric instruments or audio interface outputs. When take LINE IN as an input device, you should press LINE button.

3.OUTPUT: XLR output connector allows you to connect console such similar devices.

4.DC24V: power supply connector, designed to connect the provided DC 24V power supply.

5.DI: instruments input connector, connect to guitar such instruments. When take DI as an input device, the only default input device is DI.

6.LED: when take the DI as an input connector, the LED will lit.

7.MIC/LINE: MIC/LINE IN input gain control knob to adjust the input signal gain from -20dB to 80dB, when the knob is position in OFF, no adjustable function.

8.+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 IN. The blue LED will lit.

9.PAD: press the button MIC IN, DI and LINE IN signal will be reduced by 15dB.

10.LINE: press the button, take the LINE IN as an input connector, the blue LED will lit.

11.LOZ: 300ohm & 1200ohm can be selected. Press the button it indicates that adjusts the impedance into 300ohm; without press, indicates that adjusts the impedance into 1200ohm. 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.

12.HIGH: this section has only one frequency selections: 12k. The gain control provides 20dB of boost or cut.

13.MID: this section has a peaking characteristic with six frequency selections: 360Hz, 700Hz, 1.6k, 3.2k, 4.8k, and 7.2k. The gain control provides 20dB of boost or cut. Its outside circle used to choose frequency selections and its inside knob used to adjust gain.

14.LOW: This section has a shelving slope with four frequency selections: 220Hz, 110Hz, 60Hz, and 35Hz. This equalizer affects the selected frequency and all others below it. Its outside circle used to choose frequency selections and its inside knob used to adjust gain.

15.FILTER: This is a high pass filter with 3dB loss at 300Hz, 160Hz, 80Hz, and 50Hz with an 18dB cut per octave slope.

16.OUTPUT: adjust the output volume.

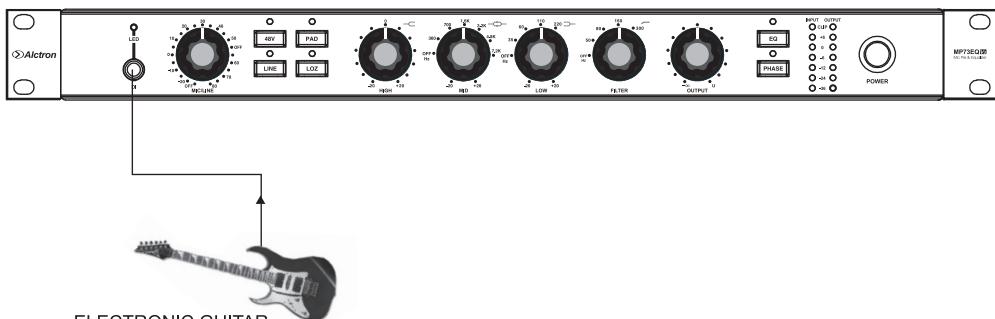
- 17.EQ: only press this button, HIGH, MID and LOW has effect on MP73EQ V2. The blue LED will lit.
- 18.PHASE: with this switch the input signal is reversed in phase by 180°. The blue LED will lit.
- 19.INPUT & OUTPUT: level indicator to avoid sound distortion.
- 20.POWER: the power switch is used to power the unit on and off. Blue LED light will indicate if the unit is powered on.

## CONNECTION

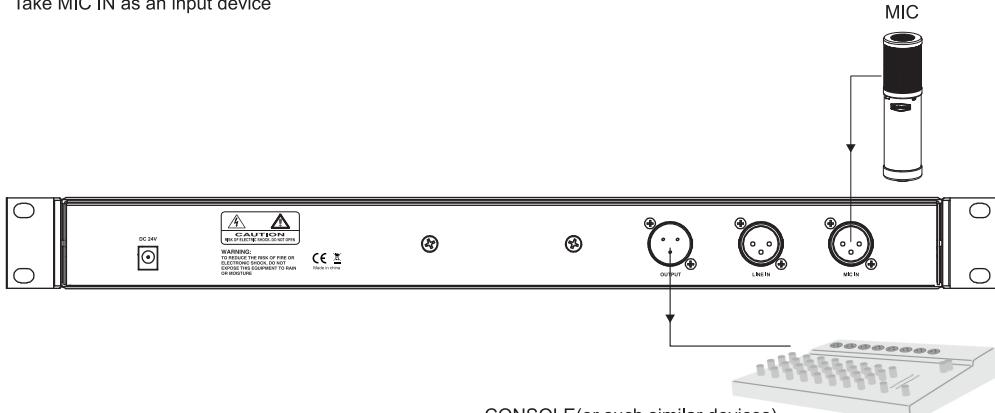
Take DI as an input device



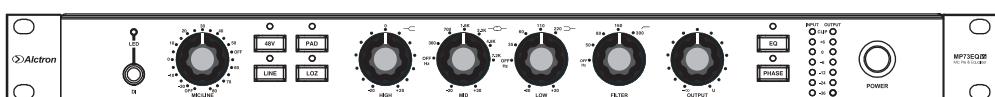
CONSOLE(or such similar devices)



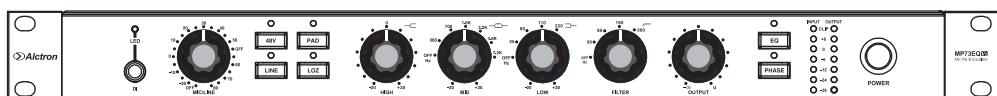
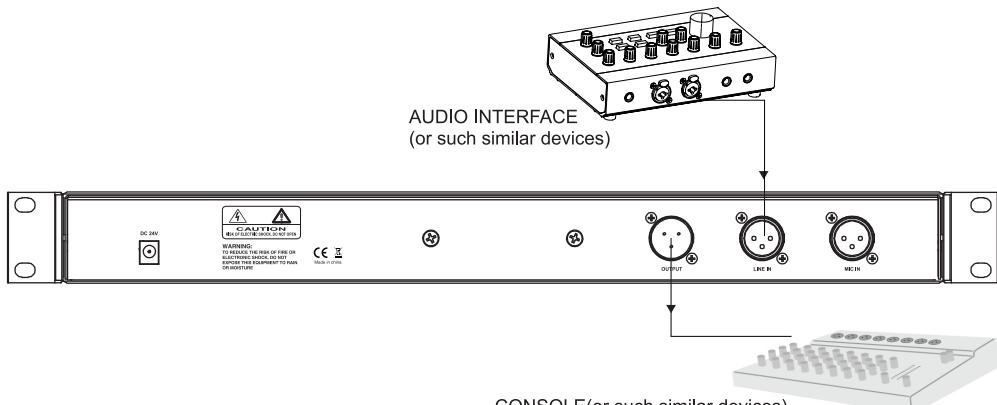
Take MIC IN as an input device



CONSOLE(or such similar devices)



Take LINE IN as an input device



## SPECIFICATIONS

- \* Mic input impedance: 300Ω or 1200Ω
- \* Mic gain: +80dB to +20dB
- \* Line input impedance: 10000Ω
- \* Line gain: 20dB to -10dB
- \* Max output: 2dBu
- \* Output impedance: 75Ω
- \* Distortion: ≤0.07%
- \* Frequency response: 20Hz-20kHz
- \* Noise: better than -125dBu@60dB gain
- \* Input impedance: >100kΩ

## SERVICE

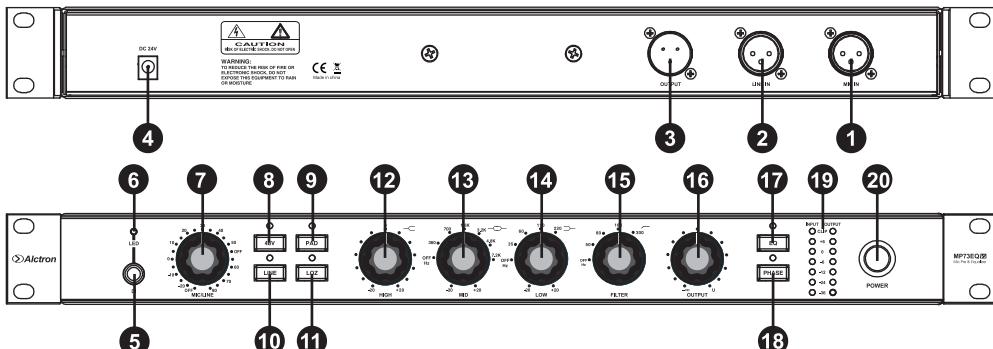
If your Product needs servicing, follow these instructions.

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

MP73EQV2是一款带有均衡器的单通道话筒信号放大器。高中低频三个均衡器能够调整相对应11个频点的增益结合其独特的电子线路对声音进行放大，优化处理，让输出音质更加清晰自然。输入以及输出接口都带有独立的变压器，互不干涉，这在一定程度上提高了设备的运行性能。面板上多样的功能旋钮以及铝合金的材质使得MP73EQV2看上去更加的时尚耐用。

## 各个按钮的功能介绍

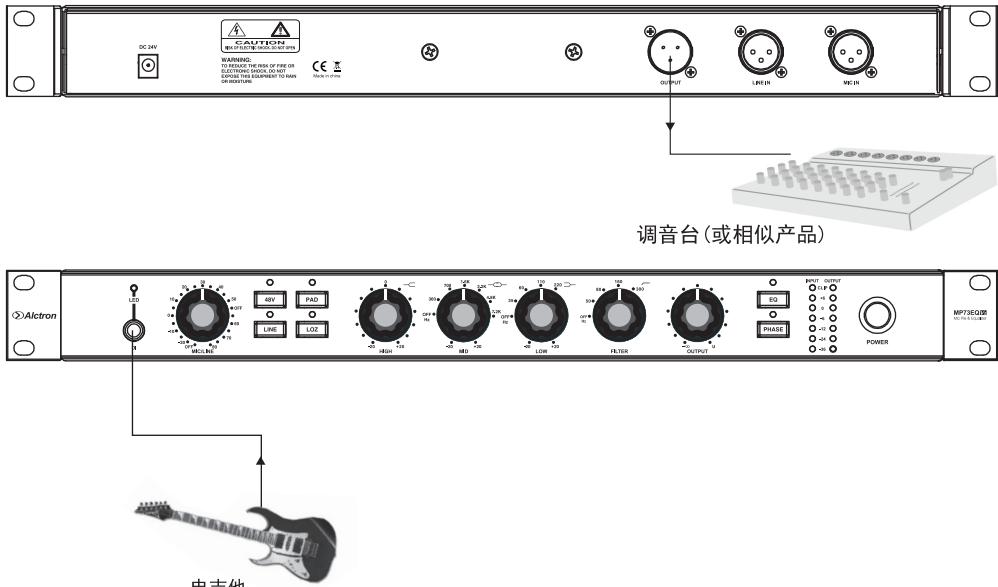


1. MIC IN: XLR平衡输入接口，连接麦克风。当MIC IN 作为输入设备的时候，不要按下LINE开关。
2. LINE IN: XLR输入接口，连接乐器或者带有线性输出接口的设备，例如键盘，电子乐器或者音频接口。当LINE IN 作为输入设备的时候，需要按下LINE开关。
3. OUTPUT: XLR线性输出接口，连接调音台此类相似设备。
4. DC24V: 电源接口，提供DC 24V的电源。
5. DI: 乐器输出接口，连接吉他此类乐器。当DI 作为输入设备的时候，默认只有DI一个输入口。
6. 当DI作为输入设备的时候，此蓝色LED灯亮起。
7. MIC/LINE: MIC/LINE IN输入接口增益调节旋钮，调节范围为-20dB到80dB，当旋钮位于OFF位置的时候，没有增益调节功能。
8. +48V: +48V幻象电源开关。按下此按钮，给后面板的MIC IN接口供电（当您使用电容话筒的时候请务必打开此开关）。
9. PAD: 按下此开关，MIC IN, DI 和LINE IN输入信号会有15dB的衰减。
10. LINE: 按下这个开关，默认LINE IN作为输入设备，蓝色LED灯会亮起。
11. LOZ: 当MIC INPUT有信号输入的时候，此开关可以选择阻抗的大小。按下为 $300\Omega$ ，不按则为 $12000\Omega$ 。对于绝大多数铝带和电容话筒，您可以选择 $300\Omega$ 阻抗，对于其他话筒，您不确定输出阻抗的时候，您可以选择 $1200\Omega$ 阻抗。蓝色LED灯亮起。
12. HIGH: 高音均衡器，对应的12kHz频点可提供20dB增益的提升或衰减。
13. MID: 中音均衡器，这个区域有六个频点可选择，分别是360Hz, 700Hz, 1.6kHz, 3.2kHz, 4.8kHz和7.2kHz；对应每个频点可提供20dB增益的提升或衰减。外圈是用来选择频点的而内圈是用来调整增益大小的。
14. LOW: 低音均衡旋钮，这个区域有四个频点可选择，分别220Hz, 110Hz, 60Hz和35Hz，对应每个频点可提供20dB增益的提升或衰减。外圈是用来选择频点的而内圈是用来调整增益大小的。
15. FILTER: 高通滤波器，它在300Hz, 160Hz, 80Hz与50Hz处进行3dB的低频滚降。
16. OUTPUT: 控制输出音量的大小。

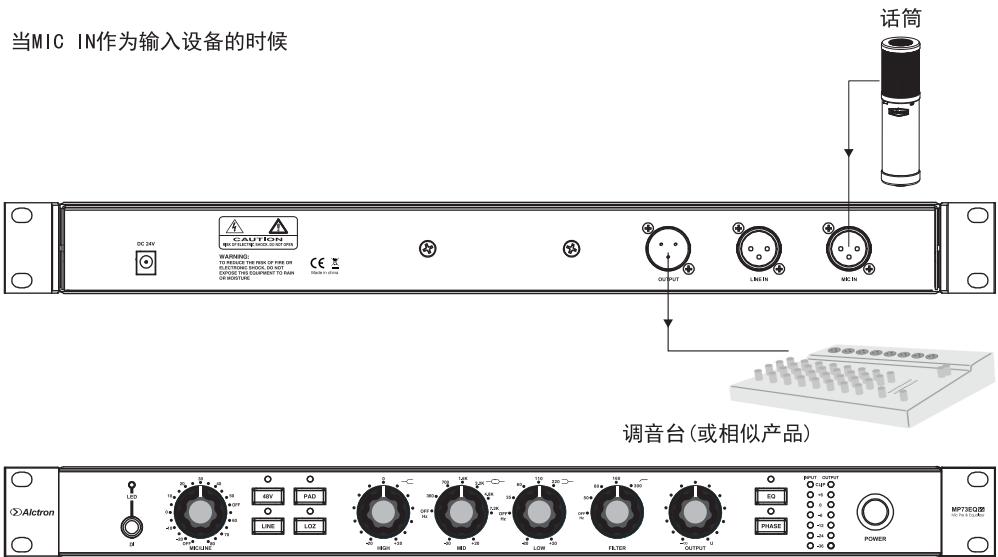
17. EQ: 只有当您按下这个开关, HIGH, LOW, MID均衡开关才能使用。
18. PHASE: 按下此开关, 相位反转180°。蓝色LED灯亮起。
19. INPUT & OUTPUT: 输入输出电平指示灯, 避免信号的失真。
20. POWER: 电源开关, 打开/关闭设备。蓝色LED灯亮起, 打开设备, 反之关闭设备。

### 产品连接图

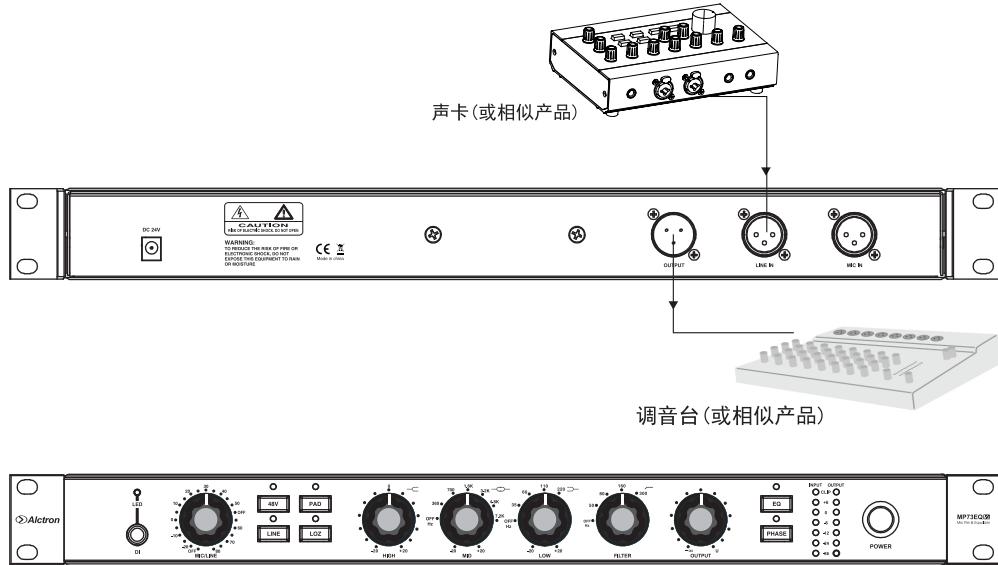
当DI作为输入设备的时候



当MIC IN作为输入设备的时候



当LINE IN作为输入设备的时候



## 参数

- \* 麦克风输入阻抗: 300 Ω 或者 1200 Ω
- \* 麦克风增益: +80dB 到 +20dB
- \* 线性输入阻抗: 10000 Ω
- \* 线性增益: 20dB 到 -10dB
- \* 最大输出: 2dBu
- \* 输出阻抗: 75 Ω
- \* 失真度: ≤0.07%
- \* 频响: 20hz-20khz
- \* 噪音: -125dBu@60dB gain
- \* 输入阻抗: >100k Ω

## 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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