

Alctron 爱克创



48

24比特两路数字声卡

24Bit Dual Channel USB Audio Interface

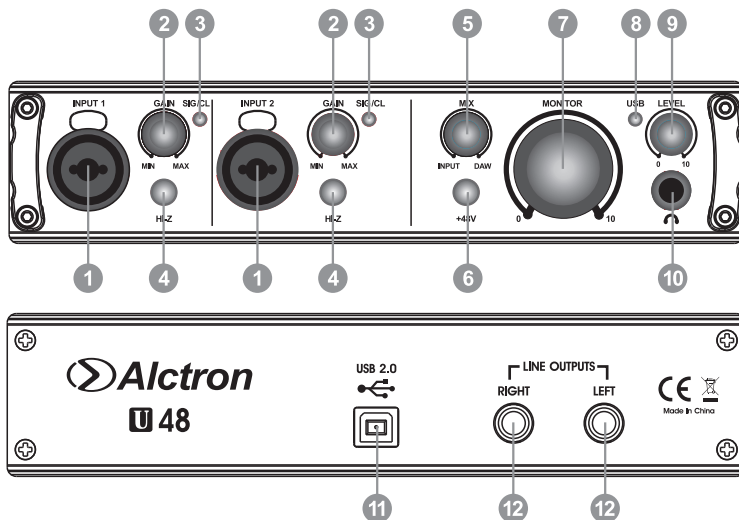
用户手册

Owner's Manual

GENERAL INTRODUCTION

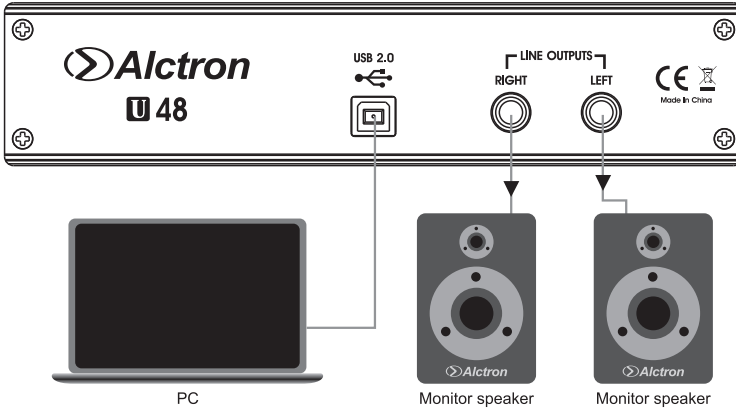
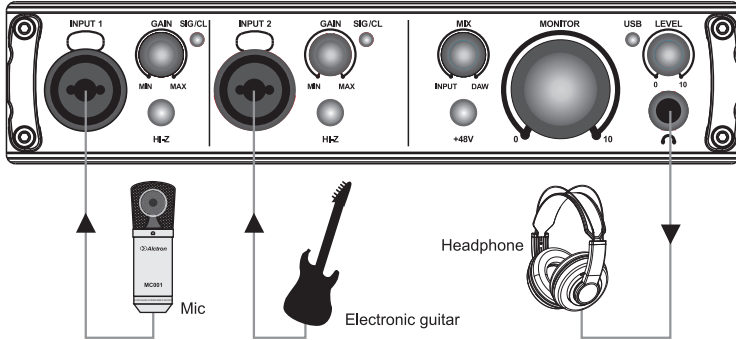
U48 dual channel audio interface designed to convert the signal from A to D or D to A. Its built-in amp circuit helps to amplify the input signal otherwise to make output signal more pure and clear. Up to 24 bit/192khz chip for pristine sound quality. Instantly start recording without any special driver installations simply plug-and-play. The various button and switch make U48 suitable for more occasions. Via these button and switch you can get a crystal sound quality.

DESCRIPTION



1. INPUT1/2: combo XLR input and 6.35mm connector. When inserting XLR cable, default for microphone input; when inserting TRS cable, default for line input, connect to line devices(such as keyboard, amplifier), without pressing HI-Z button. When connecting HI-Z instruments (such as electronics guitar), inserting TS cable, press HI-Z button.
2. GAIN: adjust the input gain for input signals on INPUT1/2 respectively.
3. SIG/CL: when there has a signal in, the LED lits green light; when the signal is overload the LED lits red light.
4. HI-Z: when there is HI-Z instruments in, press the HI-Z button lits blue light, then to match the impedance between HI-Z instrument and U48. When connecting to HI-Z instrument, press the HI-Z button, use 6.35mm TS cable to connect instrument and INPUT connector.
5. MIX: to mix signal from mic and PC recording software. When anti-clockwise the switch, to reduce the signal of DAW and increase the signal of MIC; when clockwise the switch, to increase the signal of DAW and reduce the signal of mic. If the switch's scale is in MIC or DAW position, you only can hear MIC or DAW's signal.
6. +48V: phantom power switch for mic inputs-enables +48V phantom power at the XLR contacts of both Combo connectors (INPUT1/2). When press this button lits blue light.
7. MONITOR: main monitor output level control –sets the output level at the main (rear panel) LINE OUTPUTS.
8. USB: USB indicator, when connecting to USB devices, the blue light lits.
9. LEVEL: adjust the output level at the front panel stereo headphone output.
10. Headphone socket, 6.35mm TRS output jack, connects your stereo headphone.
11. USB 2.0: USB connector, connect to your computer with cable supplied.
12. LINE OUTPUTS: 6.35mm jack sockets, connect to monitor speaker.

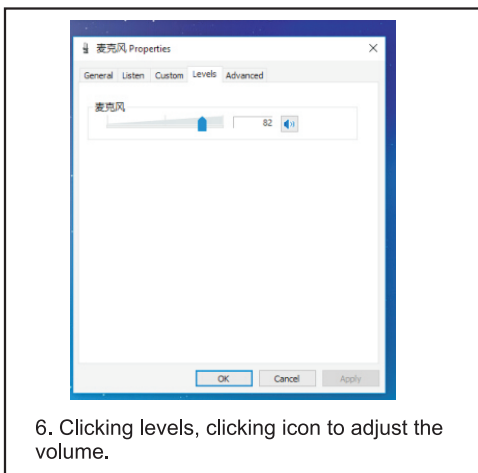
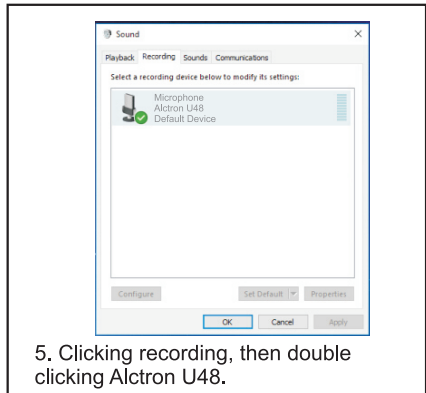
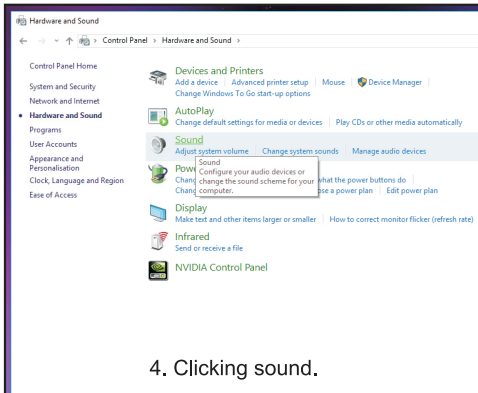
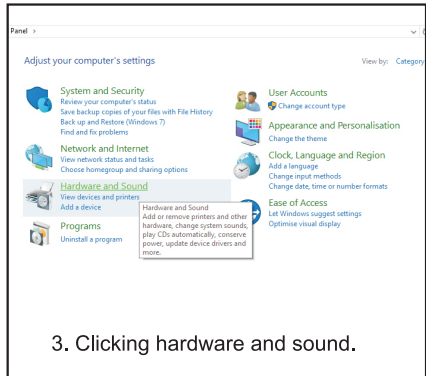
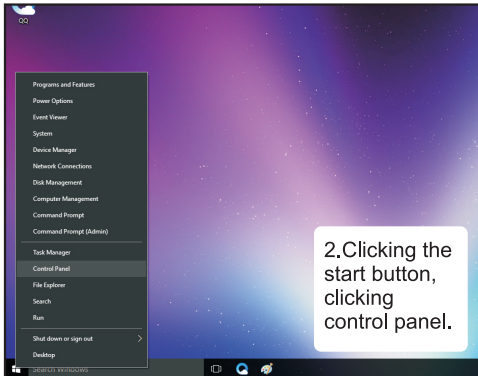
CONNECTIONS



1. Via 3-pin XLR cable or 6.35mm cable to connect microphone or instruments to U48's INPUT 1.
2. Via 3-pin XLR cable or 6.35mm cable to connect microphone or instruments to U48's INPUT 2.
3. Via 6.35mm cable to connect monitor headphone and U48's headphone socket.
4. Via 6.35mm cable to connect monitor speaker and U48's LINE OUTPUTS.
5. Via USB cable to connect pc and U48's USB 2.0 connector.

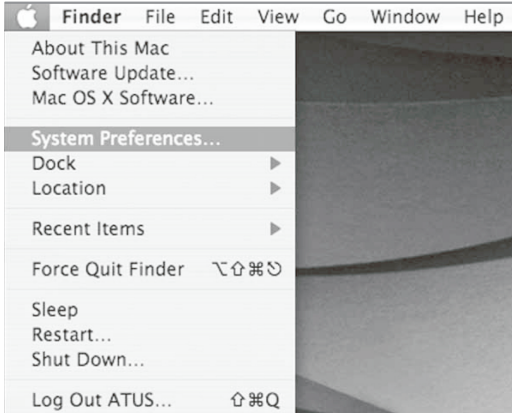
PRELIMINARY SET UP WITH WIN10

1. Plug the free end of the USB cable into the USB port on your computer. Your computer will automatically recognize the USB device lit blue light then install a driver.

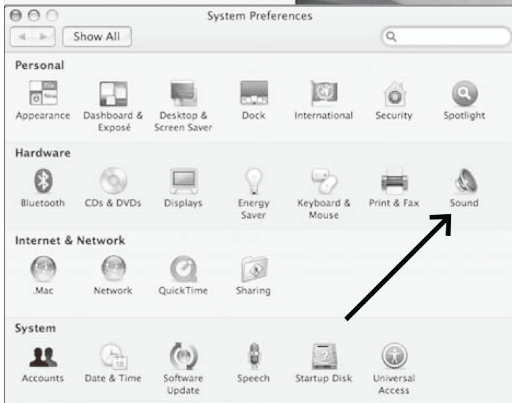


PRELIMINARY SET UP WITH MAC

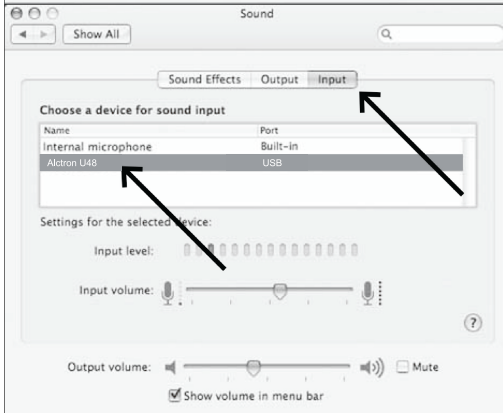
1. Plug the free end of the provided USB cable into the USB port on your computer. Your computer will automatically recognize the USB device lit blue light then install a driver.



2. To select the Alctron U48 as your audio input, first, open your System Preferences.



3. Next, click Sound to display the Sound preference pane.



4. Click the Input tab and select the Alctron U48 as the device for sound input.

5. Your preferences are now set to use the Alctron U48 on your Mac with recording program of your choice.

SPECIFICATIONS

- * Sample rate: 24Bit 192Khz
- * Frequency response: 20Hz 20 kHz+/- 0.1 dB

Mic input

- * Frequency response: 20Hz 20 kHz+/- 0.1 dB
- * THD + N: 0.006% (min gain, input: 400mV, A-wt)
- * Noise: -86 dBu
- * Gain range: 18dB-48dB

Instrument input

- * Frequency response: 20Hz 20 kHz+/- 0.1 dB
- * THD + N: 0.01% (min gain, input: 400mV, A-wt)
- * Noise: -94 dBu
- * Max input level: > +11.5 dBu

Line input

- * Frequency response: 20Hz 20 kHz+/- 0.1 dB
- * THD + N: 0.006% (min gain, input: 400mV, A-wt)
- * Noise: -95dBu
- * Max input level: > +8.5 dBu

Line output

- * Max input level: +13 dBu balance
- * THD + N: -88dB
- * Size: 204*100*47mm
- * Net weight: 764g

SERVICE

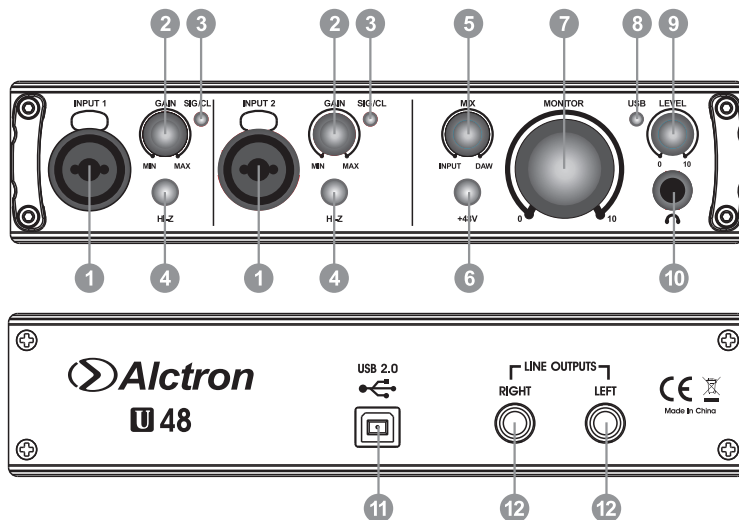
If your U48 audio interface needs servicing, follow these instructions.

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.

简介

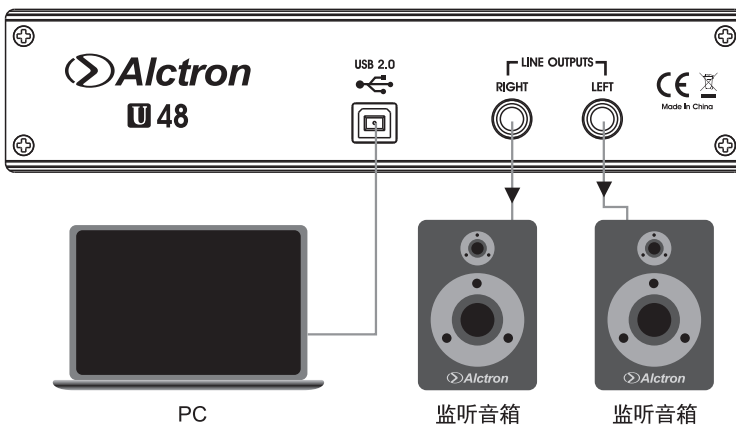
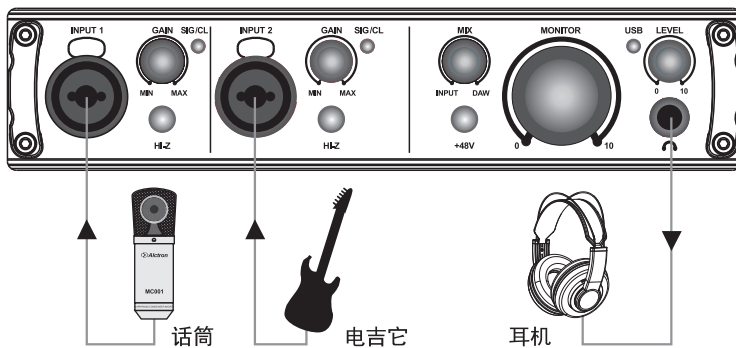
U48是一款双通道的声卡，其设计宗旨是将模拟信号转为数字信号/数字信号转为模拟信号。内置的放大线路将输入信号放大从而使得信号输出的时候更加清晰通透。24比特192 khz的芯片确保音质的原汁原味。此款声卡在运行的时候无需任何驱动装置，即插即用使用方便。前后面板上的各种接口能够使产品适用于更多的场合，您也可以通过各种开关旋钮的调节确保音质透明亮。

描述



1. INPUT1/2: INPUT1/2: 二合一输入接口，当输入接口插入卡农线时，默认为话筒输入，如果插入的是大三芯线时，默认为线性输入，连接线性设备（如键盘，放大器）无需按下HI-Z键。连接高阻乐器时（电吉他），插入大二芯线，按下HI-Z键。
2. GAIN: 增益调节旋钮，调节相应输入接口的增益。
3. SIG/CL: 当有信号输入的时候，亮绿灯；当信号输入过载的时候，亮红灯。
4. HI-Z: 当有高阻乐器接入的时候，按下此键亮蓝灯，随即匹配U48与连接乐器的阻抗。当有高阻乐器输入的时候，按下HI-Z键，用6.35mm大二芯线连接乐器和INPUT接口。
5. MIX: 混音旋钮，混合麦克风输入信号和电脑录音软件信号。逆时针旋转，DAW的声音逐渐减小，MIC的声音逐渐增大；顺时针旋转，DAW的声音逐渐增大，MIC的声音逐渐减小。当旋钮的刻度线刚好位于MIC或者DAW的位置时，您只能听见MIC或者DAW的声音。
6. +48V: 48V幻象电源按钮，当输入接口连接了需要48V幻象电源供电的时候，按下此旋钮提供48V电源，并且亮起蓝灯。
7. MONITOR: 监听电平旋钮，控制背面的主输出（LINE OUTPUTS）电平。
8. USB: USB指示灯，当连接USB设备的时候，亮蓝灯。
9. LEVEL: 耳机输出音量调节，用于调节前面板耳机输出的音量。
10. 大三芯耳机输出接口，用于连接立体声耳机输出。
11. USB 2.0: USB接口，用于连接USB设备。
12. LINE OUTPUTS: 6.35mm线性输出接口用于连接线性输出设备（如监听音箱）。

连接



1. 通过三芯XLR或者6.35mm线连接麦克风或者乐器和U48的INPUT 1。
2. 通过三芯XLR或者6.35mm线连接麦克风或者乐器和U48的INPUT 2。
3. 通过6.35mm线连接监听耳机和U48的headphone socket。
4. 通过6.35mm线连接监听耳机和U48的LINE OUTPUTS。
5. 通过USB线连接电脑和U48的USB 2.0接口。

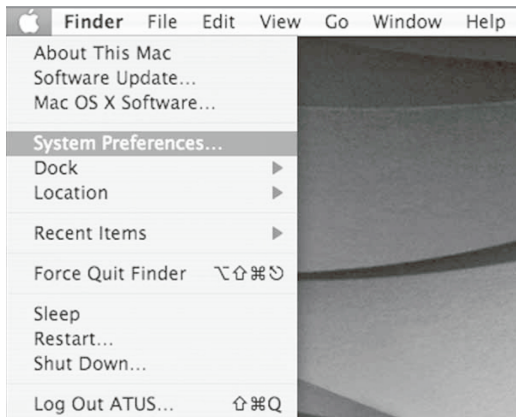
WIN10的初步设置

1.把USB 连线的另一端插入计算机上的USB 端口，您的计算机会自动识别USB 设备USB指示灯亮蓝色并安装驱动程序。

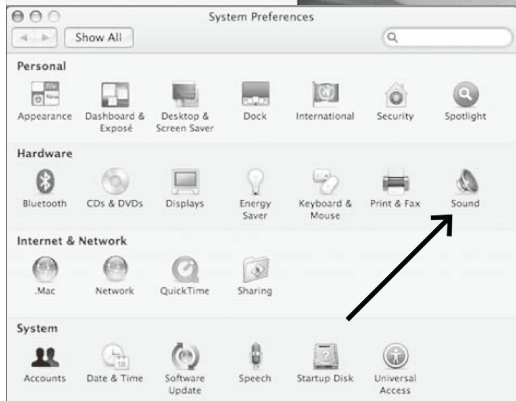


MAC的初步设置

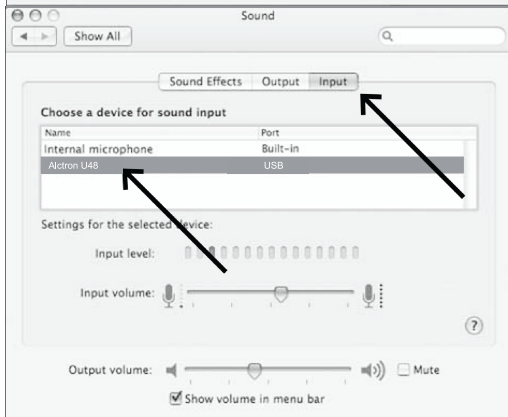
1. 把USB连线的另一端插入计算机上的USB端口，您的计算机会自动识别USB设备USB指示灯亮蓝色并安装驱动程序。



2. 选择“Alctron U48”，作为音频输入，打开“System Preferences”。



3. 点击“Sound”。



4. 点击“Input”并且选择“Alctron U48”作为声音输入设备。

5. 接下来您就可以用录音软件进行录音了。

参 数

- * 采样率: 24比特/192kHz
 - * 频率响应: 20Hz 20 kHz+/- 0.1 dB
- 麦克风输入
- * 频率响应: 20Hz 20 kHz+/- 0.1 dB
 - * 失真度+噪音: 0.006% (最小增益, 输入400mV, A-wt)
 - * 噪声: -86 dBu
 - * 增益范围: 18dB-48dB
- 乐器输入
- * 频率响应: 20Hz 20 kHz+/- 0.1 dB
 - * 失真度+噪音: 0.01% (最小增益, 输入400mV, A-wt)
 - * 噪声: -94dBu
 - * 最大输入电平: > +11.5 dBu
- 线路输入
- * 频率响应: 20Hz 20 kHz+/- 0.1 dB
 - * 失真度+噪音: 0.006% (最小增益, 输入400mV, A-wt)
 - * 噪声: -95dBu
 - * 最大输入电平: > +8.5 dBu
- 线性输出
- * 最大输入电平: 13dBu,平衡
 - * 失真度+噪音: -88dB
 - * 尺寸: 204*100*47mm
 - * 净重: 764g

保 修

如果您的U48音频接口需要维修, 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机。ALCTRON将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。

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