TOPPING
Professional

E8x8 Pre

使用手册

User Manual

Model: TPP106
V1.0

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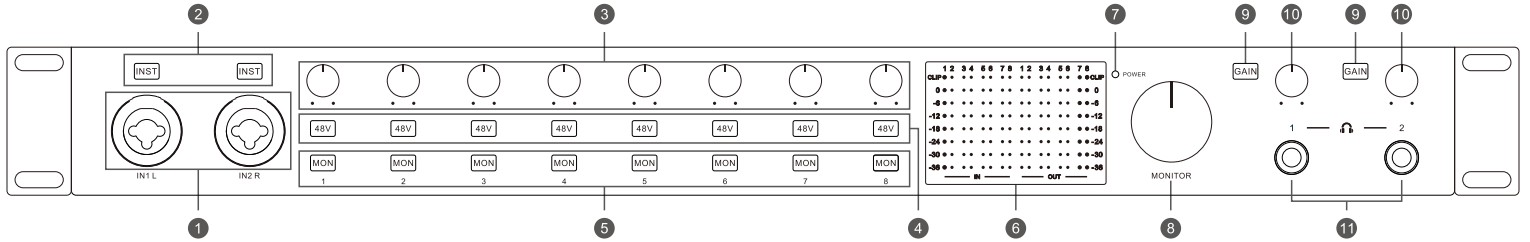
2. 产品基本属性

尺寸	43.0cm x 17.5cm x 5.3cm（不含机架安装孔） 48.5cm x 17.5cm x 5.3cm（含机架安装孔）
单机重量	1.720Kg
供电	100-240VAC 50Hz/60Hz
接口类型	USB 2.0
话筒输入	8 路（复合座子，带 48V 幻象电源）
高阻抗输入	2 路（复合座子）
线路输入	8 路（复合座子）
线路输出	8 路
耳机接口	2 个
直接监听	有（可调节监听混合比）
输入电平指示	有（8x8 LED 灯）
输出电平指示	有（8x8 LED 灯）
话放技术	Ultra-linear
耳放技术	NFCA-LE
支持采样率	24bits/44.1kHz-24bits/96kHz
软件控制	有（TOPPING Professional Control Center）
DAW 通道	8 个
内录通道	6 个
操作系统	Mac/Win/iOS/Android
电源开关	有

3. 部件与名称

前面板



1. IN1-2
   输入接口，用于连接麦克风，乐器（例如电吉他），或线路输出设备。该组合接口支持 XLR 插头，6.35mm TRS 平衡插头和 6.35mm TS 单端插头。
   麦克风：使用 XLR 线连接
   乐器：使用 6.35mm TS 线连接
   线路输出设备：使用 6.35mm TRS 线连接

2. INST（IN1-2）
   线路/乐器输入切换。按钮灯熄灭时为线路输入，按钮灯点亮时为乐器输入。

3. 输入增益旋钮（IN1-8）
   用于调节麦克风、乐器或线路输入信号的增益大小，逆时针旋转减小，顺时针旋转增大。调节增益时请观察 LED 电平表，削波时，即 CLIP 灯亮起时，适当减小增益。

4. 48V（IN1-8）
   幻象电源开关，按钮灯亮时开启幻象电源供电，作用于对应输入接口的 XLR 输入。
   ⚠ 特别注意：
   • 般是电容式麦克风需要幻象电源。不需要幻象电源的麦克风或其他设备，如果使用幻象电源，可能会造成损坏。所以在不需要使用幻象电源时将其关闭。如需开启，请先确保您的麦克风需要 48V 幻象电源。
   • 在打开和关闭幻象电源之前，请先将 E8x8 Pre 的音量调低。

5. MON（IN1-8）
   直接监听开关。按压并点亮该按键会启用直接监听，将对应通道的输入信号直接路由到耳机输出和 Line out 输出，并将单声道信号同时输出到左右声道，这样可以实现零延迟地监听输入信号。

6. LED 电平指示
   IN1-8 是输入电平指示，OUT1-8 是输出电平指示。
   当信号被削波时，电平表顶部的 CLIP 指示灯会亮起，此时请降低信号电平。

7. 电源指示灯
   灯常亮：工作状态
   灯熄灭：关机状态
   呼吸灯：待机状态
   当 E8x8 Pre 的自动待机打开后，如果检测到电源信号存在，而 USB 信号和模拟输入信号均不存在，则会作出提示（指示灯闪烁）并且在一分钟后进入待机状态。一旦检测到 USB 信号存在，就会自动恢复为正常工作状态。
   自动待机功能需要在 ToppingPro 的 ⚙ 内设置。

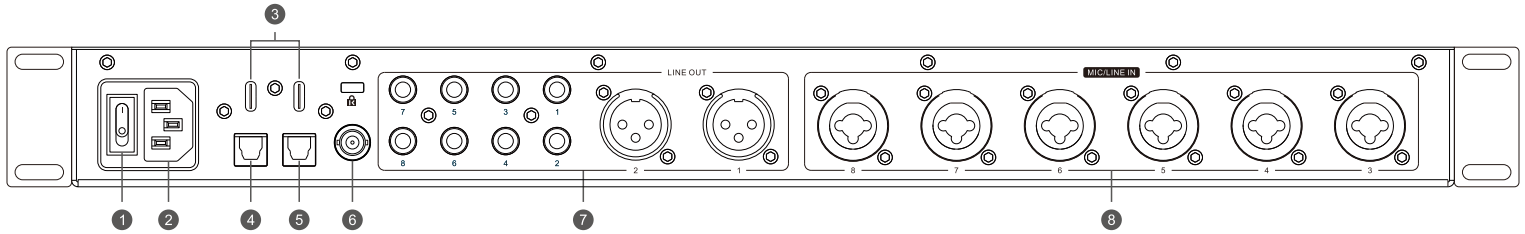
8. MONITOR
   该旋钮调节后面板 LINE OUT 接口 1 和 2 的信号电平大小。逆时针旋转减小，顺时针旋转增大。
   LINE OUT 接口 3-8 的电平大小需要在配备的控制中心（ToppingPro）上调节。

9. GAIN
   耳机增益设置。按钮灯熄灭时为低增益，按钮灯点亮时为高增益。

10. 耳机音量旋钮
    用于调节耳机音量大小。逆时针旋转减小，顺时针旋转增大。

11. 6.35mm 单端耳机接口
    配备 6.35mm 转 3.5mm 的转接头，适用于 6.35mm 和 3.5mm 插头的耳机。

后面板



1. 电源开关

2. 电源输入
   AC 100-240V 50Hz/60Hz

3. USB-C 接口
   共两个 USB 接口，可任意使用其中一个，同时连接时默认使用 USB-1 接口。

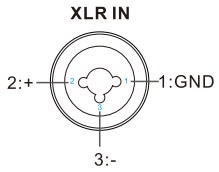
4. ADAT 光纤输出（OUT2）
   采样率为44.1或48kHz时，8通道输出。
   采样率为88.2或96kHz时，4通道输出。

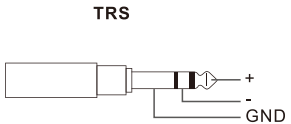
5. S/PDIF 光纤输出（OUT1）
   2通道输出，最高支持96k。

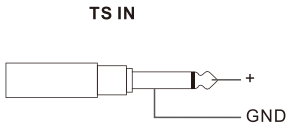
6. WORD CLOCK OUT
   字时钟输出（BNC接口），用于连接其他数字设备，E8x8 Pre内部产生的字时钟信号会作为主时钟，与所连接的设备同步。如果时钟不同步，可能会出现卡顿，噪声等问题。

7. LINE OUT
   用于连接主监听设备或线路输入设备。
   LINE OUT 1-2：6.35mm TRS平衡接口 + XLR平衡接口
   LINE OUT 3-8：6.35mm TRS平衡接口

8. IN3-8
   输入接口，用于连接麦克风或线路输出设备，不支持连接乐器。该组合接口支持 XLR 插头，6.35mm TRS 平衡插头和 6.35mm TS 单端插头。
   麦克风：使用 XLR 线连接
   线路输出设备：使用 6.35mm TRS 线连接



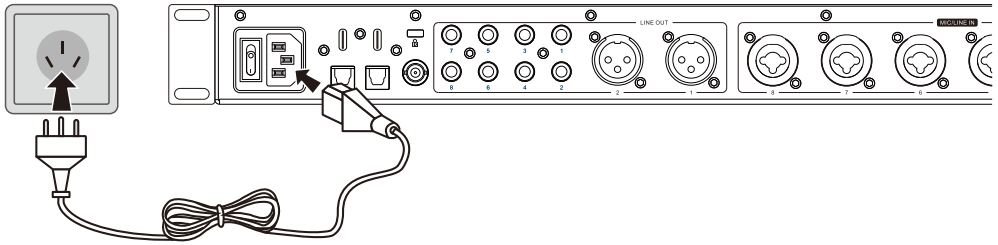




4. 基础操作

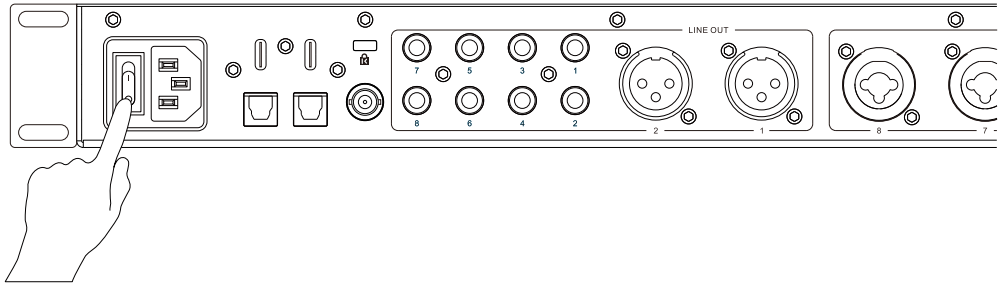
开关机

连接电源，使用电源开关实现E8x8 Pre的开关机。

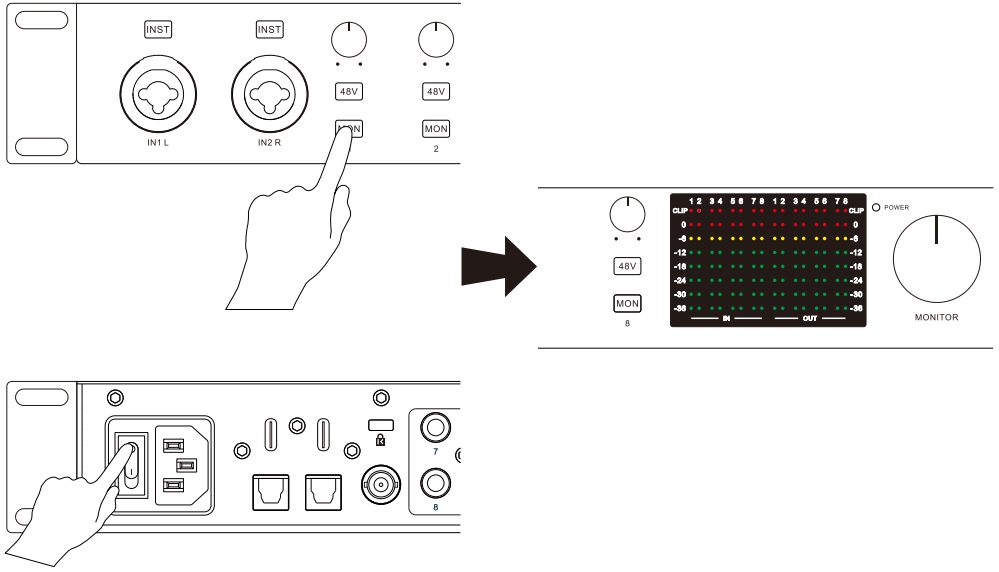


恢复出厂设置

1. 切换到电源关

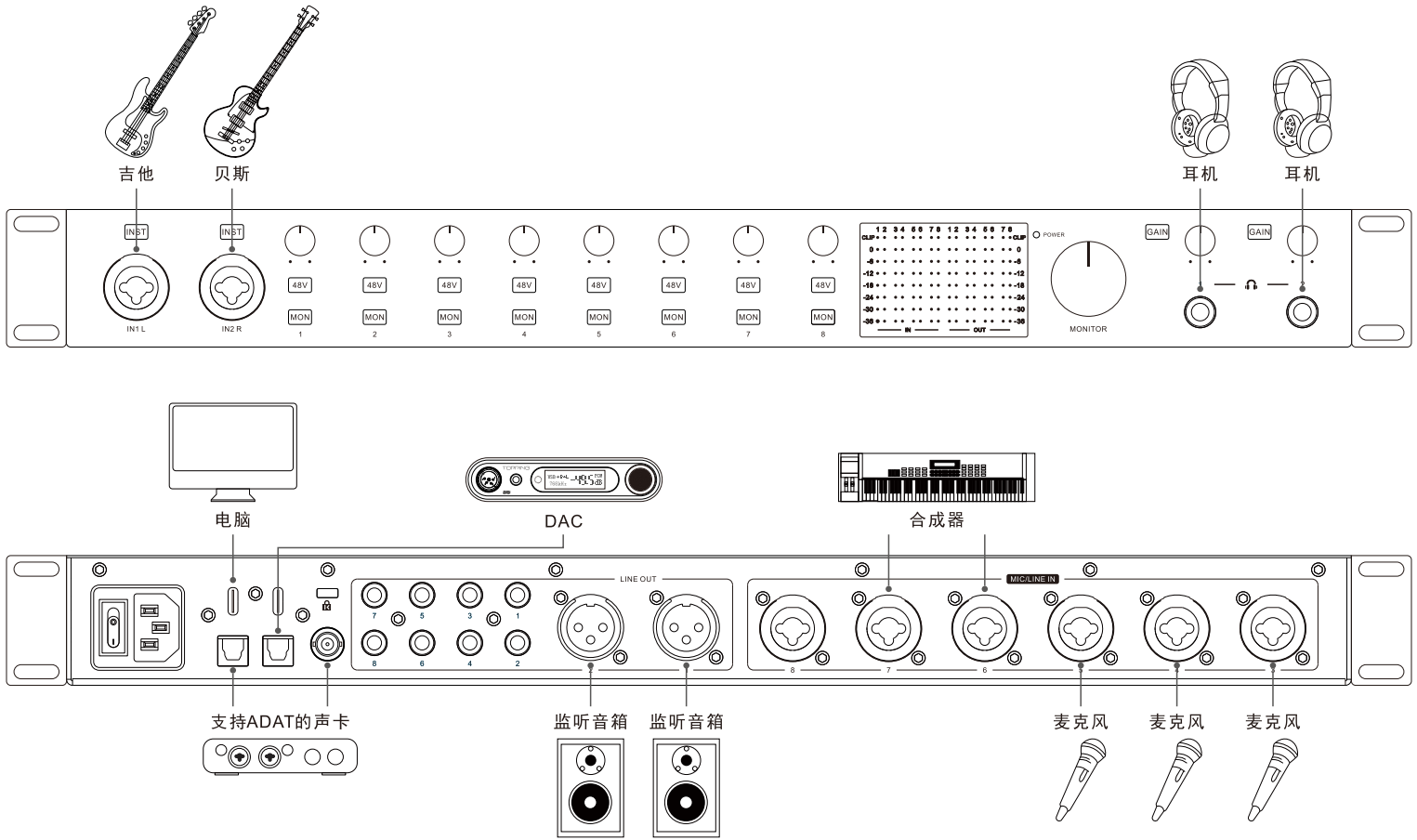


2. 切换到电源开的同时按住 IN1 的 MON 按钮直到电平表的指示灯全部亮起，即可恢出厂设置。



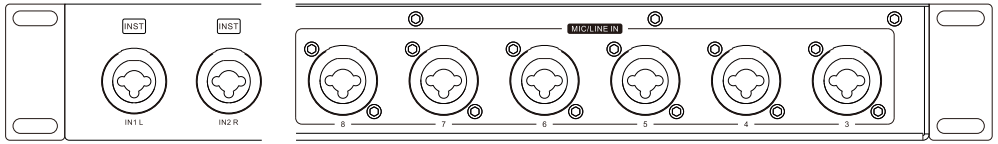
5. 连接

连接示例

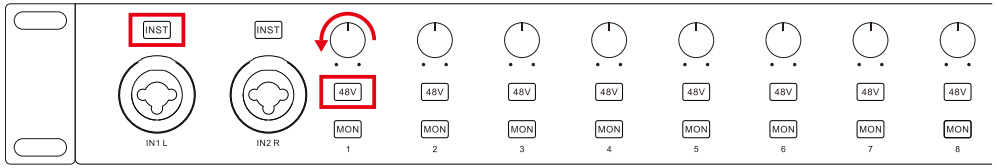

吉他
贝斯
耳机
耳机
INST
INST
IN1 L
IN2 R
48V
MON
1
2
3
4
5
6
7
8
POWER
MONITOR
GAIN
GAIN
电脑
DAC
合成器
LINE OUT
MIC/LINE IN
支持ADAT的声卡
监听音箱
监听音箱
麦克风
麦克风
麦克风

连接麦克风

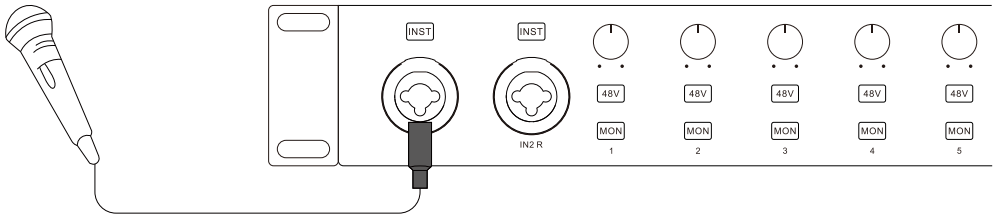
1. 麦克风能连接到IN1-8任意接口



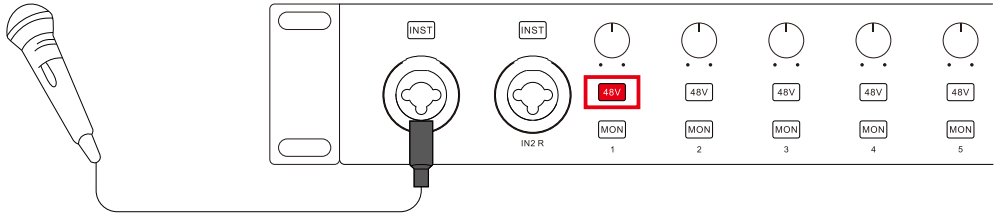
2. 将想要使用的接口对应的输入增益旋钮拧到最小，48V和INST按键如有点亮需要先按灭（例如IN1）



3. 使用XLR线连接麦克风到输入接口（例如IN1）



4. 麦克风如需48V幻象电源供电，则需要点亮对应的48V按键（例如IN1）



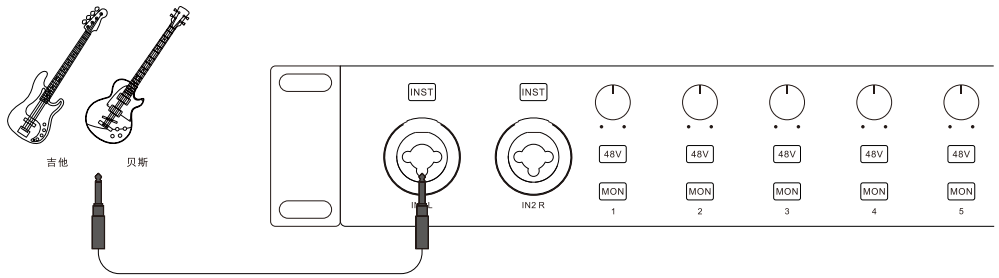
⚠ **特别注意：**

- 一般是电容式麦克风需要幻象电源。不需要幻象电源的麦克风或其他设备，如果使用幻象电源，可能会造成损坏。所以在不需要使用幻象电源时将其关闭。如需开启，请先确保您的麦克风需要 48V 幻象电源。
- 在打开和关闭幻象电源之前，请先将 E8x8 Pre 的音量调低。

5. 请跳转到“调节输入增益”

连接吉他/贝斯

1. 使用大二芯线连接吉他/贝斯到IN1或者IN2（例如IN1）

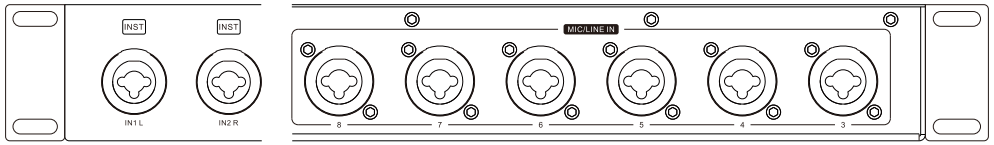


2. 按压点亮对应的INST按键

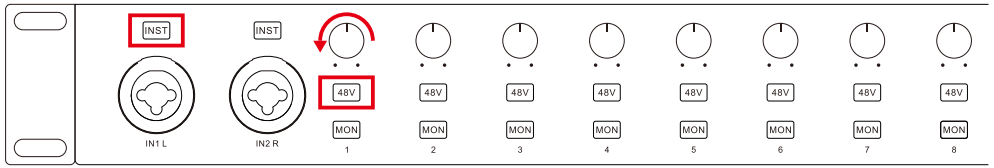
3. 请跳转到“调节输入增益”

连接线路输出设备

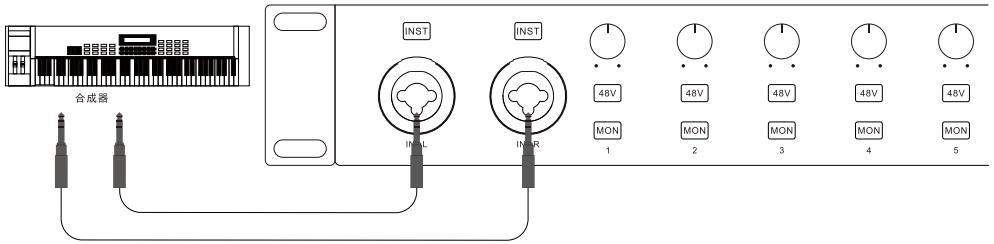
1. 线路输出设备能连接到IN1-8任意接口



2. 将想要使用的接口对应的输入增益旋钮拧到最小，48V和INST按键如有点亮需要先按灭（例如IN1）

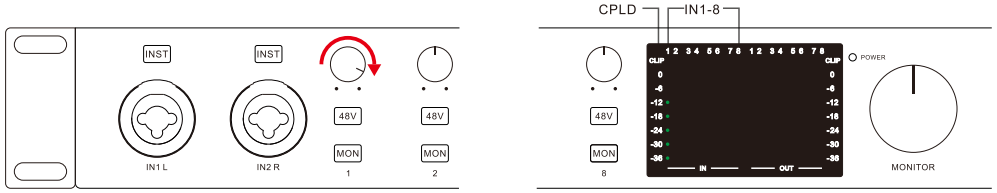


3. 使用大三芯线连接线路输出设备到输入接口（例如IN1&IN2）

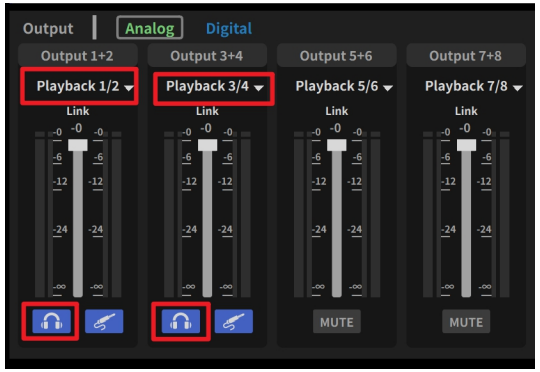


调节输入增益

输入连接好之后需要调节输入增益旋钮，将输入信号进行放大。调节增益时需要旁边的电平表进行辅助，IN1-8 是输入电平指示，顶部的CLIP是削波指示灯。
我们在对着话筒说话或者弹奏乐器的同时，观察电平表里对应输入的幅值，慢慢拧大输入增益旋钮，直到信号够大并且不容易削波即可。

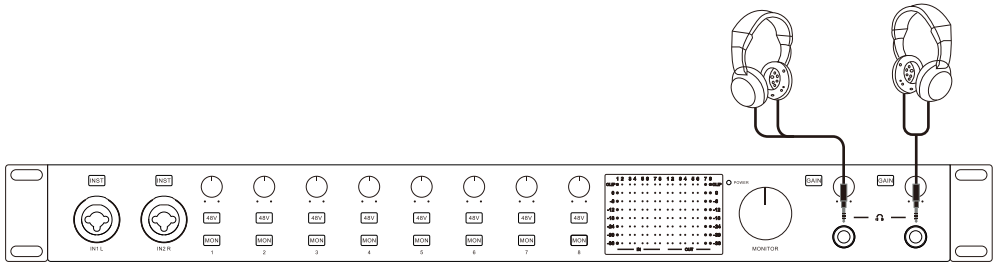


2. 在ToppingPro上设置　输出给耳机的信号，耳机1对应Output1+2，耳机2对应Output3+4。并且将耳机图标点亮，点灭则静音。（详情请查阅ToppingPro使用指南）

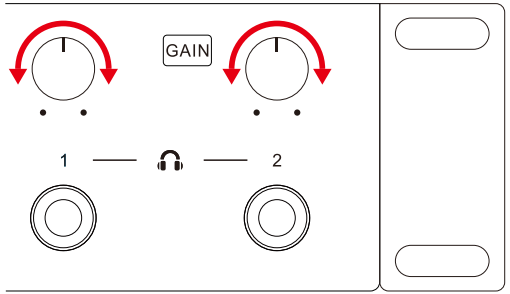


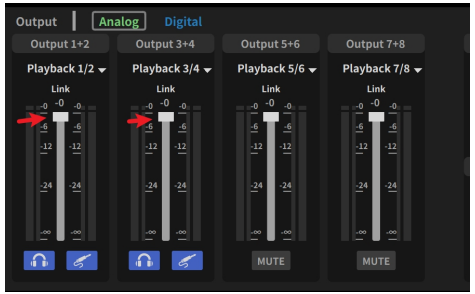
连接耳机

1. 连接耳机到 🎧 接口1或2



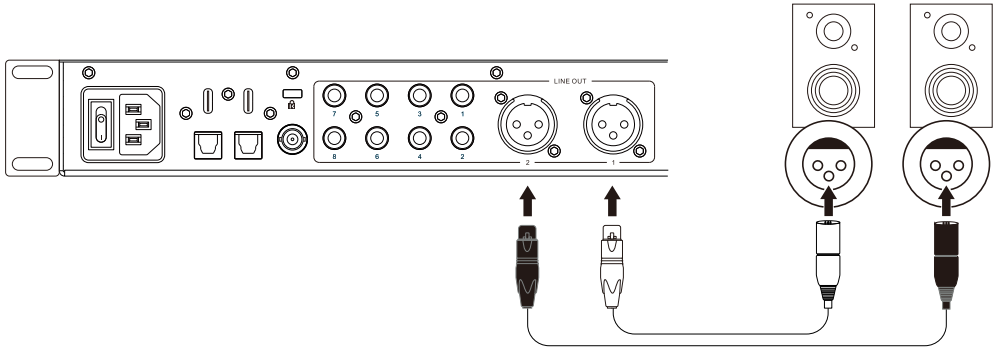
3. 调节音量。每个耳机接口上方有对应的音量旋钮和增益按键可进行设置。亦可通过ToppingPro上的推杆进行调节。



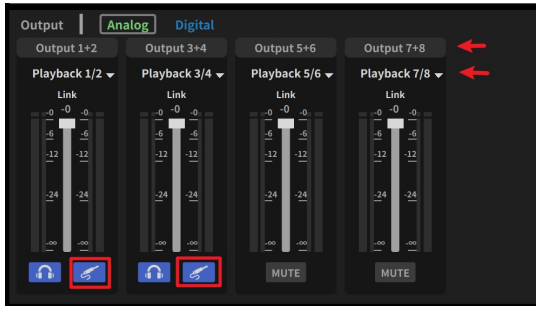


连接有源音箱/功放

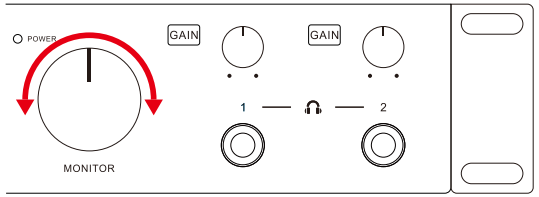
1. 使用大三芯或XLR平衡线连接到有源音箱/功放



2. 在ToppingPro上设置输出给LINEOUT的信号，LINE OUT 1-8分别对应Output 1-8。
对于LINE OUT 1-4，需要将插头图标点亮，点灭则静音（详情请查阅ToppingPro使用指南）

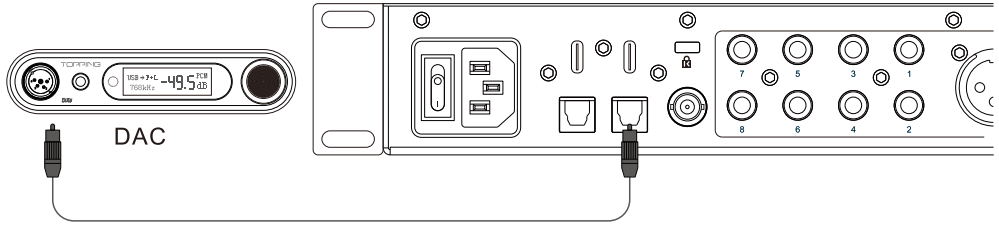


3. 调节音量。LINE OUT 1&2 的音量大小可以通过ToppingPro或前面板的大旋钮进行调节。LINE OUT 3-8 只可在ToppingPro上设置。



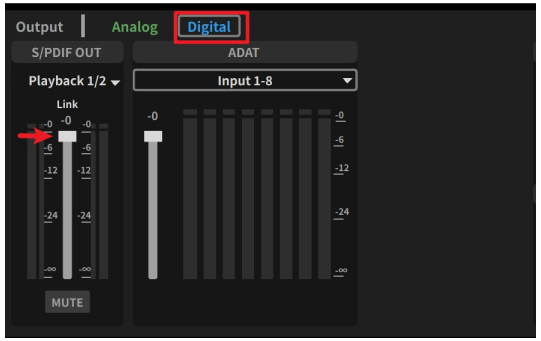
连接S/PDIF光纤

1. 连接S/PDIF光纤设备到“OPT OUT1”接口



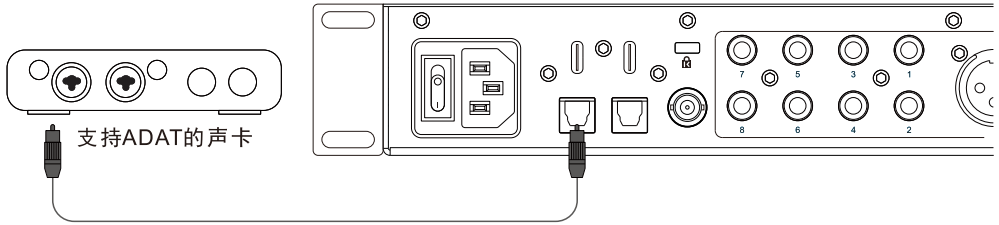
2. 在ToppingPro上设置输出给S/PDIF OUT的信号
（详情请查阅ToppingPro使用指南）

3. 使用推杆可以调节音量

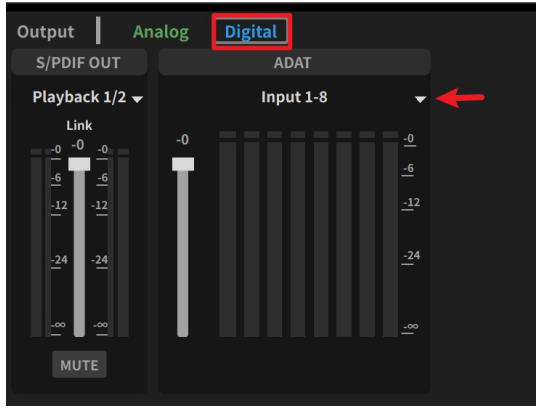


连接ADAT光纤设备

1. 连接ADAT光纤设备到“OPT OUT2”接口



2. 在ToppingPro上设置输出给ADAT的信号
（详情请查阅ToppingPro使用指南）

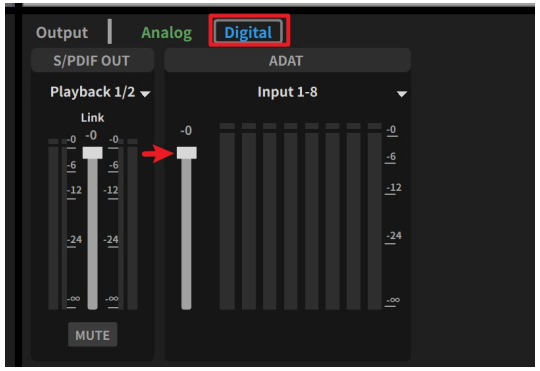


2. 将E8x8 Pre和所连接的ADAT光纤设备设置相同的采样率

注意：采样率为44.1或48kHz时，8通道输出。采样率为88.2或96kHz时，4通道输出。

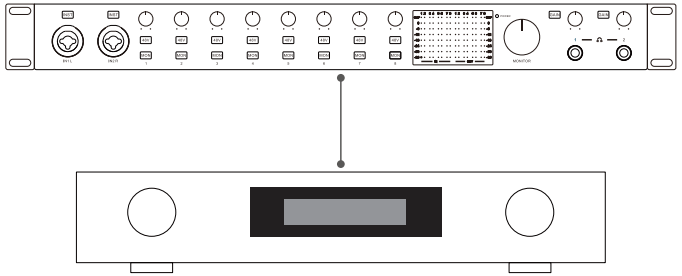
采样率可以在ToppingPro或者宿主软件上设置。

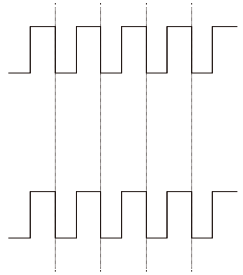
3. 使用推杆可以调节音量



连接字时钟输出

当连接数字设备时，如果E8x8 Pre和所连接的数字设备时钟不同步，可能会出现卡顿或噪声等问题。如果所连接的数字设备配备字时钟输入接口，即可将本机的字时钟输出连接到它的字时钟输入，此时E8x8 Pre会用作时钟主机，与所连接的设备同步。





6.TOPPING Professional Control Center（简称ToppingPro）

点击该链接下载 ToppingPro：
https://cn.topping.pro/download
点击该链接下载ToppingPro的详细使用指南：
https://www.topping.pro/downloads/TOPPING Professional Control Reference Guide.pdf

7. DAW 的音频设置

E8x8 Pre 兼容任何在 Mac 上支持 Core Audio 和在 Windows 上支持 ASIO 的 DAW 宿主软件。您需要确保在 DAW 的设置中，将 E8x8 Pre 设置为使用 ASIO 驱动（Windows）或者 Core Audio 驱动（Mac）的设备。如果您不了解如何进行设置，请参考您的 DAW 的用户手册。

8. 注意事项

1. 不得将本机搁置在高温、潮湿的环境，更不得淋雨或者受强烈冲击。
2. 不得随意拆开机壳，如需维修应请专业维修人员处理。
3. 本机仅供室内使用。
4. 对因产品的故障而直接或间接引起的任何损失或损坏不予负责。
5. 因产品改进，规格及功能若有变动恕不另行通知。

9. 故障排除

故障排除无法开机（POWER灯不亮）

1. 检查并且将后面板的电源开关切换到电源开。
2. 尝试其他的电源线。
3. 尝试其他的电源插座。

接电脑不能识别（POWER灯闪烁/呼吸灯，ToppingPro显示“无设备连接”）

1. 检查操作系统是否符合要求：macOS版本不低于12；Windows 10或更高版本。
2. 检查USB线是否完全插入。
3. 设备上有两个 USB 接口，可任意使用其中一个，同时连接时默认使用 USB-1 接口。
4. 关闭全部的杀毒软件，卸载ToppingPro并删除干净，重装ToppingPro。
5. 检查USB线是否损坏了，尝试使用其他长度不超过2米的USB线。
6. 尝试使用电脑的其他USB口。最好使用电脑主机背后的USB口，不要使用USB HUB。
7. 检查是否是电脑的问题，如果条件允许，试试接其他的电脑。

无声音

1. 检查和音箱的连接以及音箱的设置。
2. 调节 E8x8 Pre 输出的音量。
3. 检查 ToppingPro 的设置。
4. 尝试 USB 直接连接到电脑，而不经过 USB HUB。
5. 断开连接到电脑上的闲置的 USB 设备。
6. 关闭所有不使用的应用程序。

录制的声音太大，太小或听不到

1. 调节 E8x8 Pre 的输入增益旋钮。
2. 注意当连接到需要 48V 幻象电源供电的麦克风，需要开启幻象电源供电。
3. 检查 ToppingPro 的设置。

声音间断

1. 将 ToppingPro（仅 Windows）和播放软件上的缓冲大小调大。
2. 检查是否是电脑的问题，如果条件允许，试试接其他的电脑。

输入端的声音失真

观察 LED 电平表，如果削波指示灯亮起，适当减小输入增益。

无法播放或者录制

1. 检查并确定已经在您使用的软件上将 E8x8 Pre 设置为输入和输出的设备。
2. 确保 E8x8 Pre 和电脑连接良好。
3. 将所有应用程序关闭，拔插连接电脑和 E8x8 Pre 的 USB 线，然后再重新尝试播放或录制。

10.参数（@24bits/96kHz）

话筒输入

等效输入噪声 @A-wt，150 Ohm	-130.5dBu
总谐波失真加噪声 @A-wt	-110dB（0.0003%）
动态范围 @A-wt	115dB
信噪比 @A-wt	115dB
声道串扰 @1kHz	-140dB
频率响应	20Hz-40kHz（±0.2dB）
最大输入电平	8.6dBu
输入阻抗	1.5k Ohms
增益	58dB + 20dB （20dB 数字增益）
幻象电源	48V
接口类型	复合座子的 XLR 接口

线路输入

总谐波失真加噪声 @A-wt	-107dB（0.00045%）
动态范围 @A-wt	115dB
信噪比 @A-wt	115dB
声道串扰 @1kHz	-140dB
频率响应	20Hz-40kHz（±0.1dB）
最大输入电平	23.9dBu
输入阻抗	9k Ohms
增益	58dB + 20dB （20dB 数字增益）
接口类型	复合座子的 TRS 接口

高阻抗输入

总谐波失真加噪声 @A-wt	-108dB（0.0004%）
动态范围 @A-wt	115dB
信噪比 @A-wt	115dB
声道串扰 @1kHz	-140dB
频率响应	20Hz-40kHz（±0.3dB）
最大输入电平	14.8dBu
输入阻抗	1M Ohms
增益	58dB + 20dB （20dB 数字增益）
接口类型	复合座子的 TS 接口

*说明：以上数据是 TOPPING 实验室测试得到的结果。

线路输出

总谐波失真加噪声 @A-wt	-100dB (0.001%)
动态范围 @A-wt	115dB
模拟动态范围 @A-wt，-40dB 衰减	127dB
信噪比 @A-wt	115dB
声道串扰 @1kHz	-128dB
频率响应	20Hz-40kHz (±0.3dB)
最大输出电平	14dBu
底噪 @A-wt	1.8uVrms
输出内阻	100 Ohms
接口类型	6.35mm TRS 平衡接口

耳放输出

总谐波失真加噪声 @A-wt	-100dB (0.001%)
动态范围 @A-wt	115dB
模拟动态范围 @A-wt，-40dB 衰减	132dB
信噪比 @A-wt	115dB
声道串扰 @1kHz	-120dB
频率响应	20Hz-40kHz (±0.3dB)
最大输出电平	0dBu @ Gain=L
	17dBu @ Gain=H
底噪 @A-wt	1 uVrms
输出内阻	1 Ohms
接口类型	6.35mm TRS 立体声耳机接口
输出功率	580mW x 2 @32Ω THD+N<1%
	380mW x 2 @64Ω THD+N<1%
	198mW x 2 @150Ω THD+N<1%
	105mW x 2 @300Ω THD+N<1%
	55mW x 2 @600Ω THD+N<1%

*说明：以上数据是 TOPPING 实验室测试得到的结果。

Catalog

1.Contents list

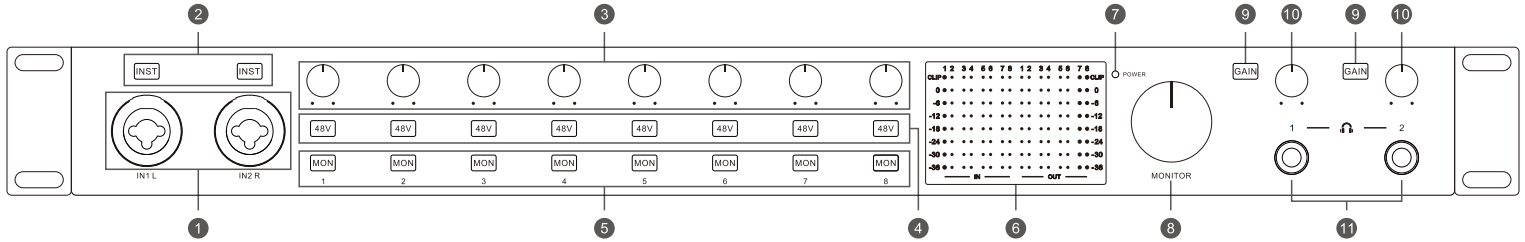
E8x8 Pre	x 1
AC cable	x 1
Type A to Type C cable	x 1
Type C to Type C cable	x 1
6.35 mm to 3.5 mm adaptor	x 1
Quick Start Guide	x 1

2.Attribute

Measured	43.0cm x 17.5cm x 5.3cm（Mounting holes not included） 48.5cm x 17.5cm x 5.3cm（Mounting holes included）
Weight	1.720Kg
Power input	100-240VAC 50Hz/60Hz
USB protocol	USB 2.0
Microphone input	8x Combo connector（Equipped with 48V phantom power switches）
Instrument input	2x Combo connector
Line input	8x Combo connector
Line output	8
Headphone output	2x Stereo out（6.35mm）
Zero-latency direct monitoring	Yes（Equipped with monitor mix knob）
Input meter	Yes（8x8 LED indicators）
Output meter	Yes（8x8 LED indicators）
Mic pre modules	Ultra-linear
Headphone amp modules	NFCA-LE
Supported sampling rates	24bits/44.1kHz-24bits/96kHz
Software Control	Yes（TOPPING Professional Control Center）
DAW channels	8x
Loopback channels	6x
OS support	Mac/Win/iOS/Android
Power switch	Yes

3.Parts and names

Front panel



1. IN1-2

For connecting microphones, instruments（e.g., guitar）or line-level devices. These can be used with both XLR and 6.35mm（balanced or unbalanced）phone plugs. Microphones will normally be connected using XLR plugs. Instruments should be connected via 6.35mm TS plugs, and line-level devices should be connected via 6.35mm TRS plugs.

2. INST（IN1-2）

Instrument/Line input switch for analog in which alter gain and input impedance to suit either instrument or line level signals. Line in when the button light is off; instrument in when the button light is on.

3. Input gain knob（IN1-8）

Adjust the gain level of microphone, instrument or line input. Rotate counterclockwise to reduce the gain level and clockwise to increase the gain level. Watch the input meter while adjusting gain and reduce the gain level when CLIP light is on.

4. 48V（IN1-8）

48V phantom power switch for mic inputs. When light is on, E8x8 Pre enables 48V phantom power at corresponding XLR socket.

⚠ **CAUTION：**

- Phantom power is only required for condenser microphones and may damage the connected equipment that does not require it. Therefore, turn phantom power off when it is not required. Make sure if your microphone needs the 48V phantom power before turning it on.
- Set all volume levels to minimum before turning phantom power on or off.

5. MON（IN1-8）

Press and light up the MON button to enable direct monitoring, which routes the channel's input signal directly to the left and right channels of the headphone output and Line output, so that you can monitor your input signals without any latency.

6. LED Meters

IN1-8 are the input meters and OUT1-8 side are the output meters. If your signal is hitting CLIP（top red LED）, which means it is clipping, reduce the signal level.

7. Power indicator

Solid light: Working state
Light off: Power off status
Breathing light: Standby state
When the automatic standby function is on, if power signal is detected while no USB signal and input signals are present, the power indicator will flash and E8x8 Pre will enter standby state after one minute. Once having detected valid USB signal, it will automatically return to working state.
*Automatic standby setting is in the ⚙ of ToppingPro.

8. MONITOR

This knob affects the level sent out of LINE OUT 1&2. Rotate counterclockwise to decrease the volume and clockwise to increase the volume. The level of LINE OUT 3-8 needs to be adjusted in ToppingPro.

9. GAIN

Headphone amp gain setting. Low gain when the button light is off; high gain when the button light is on.

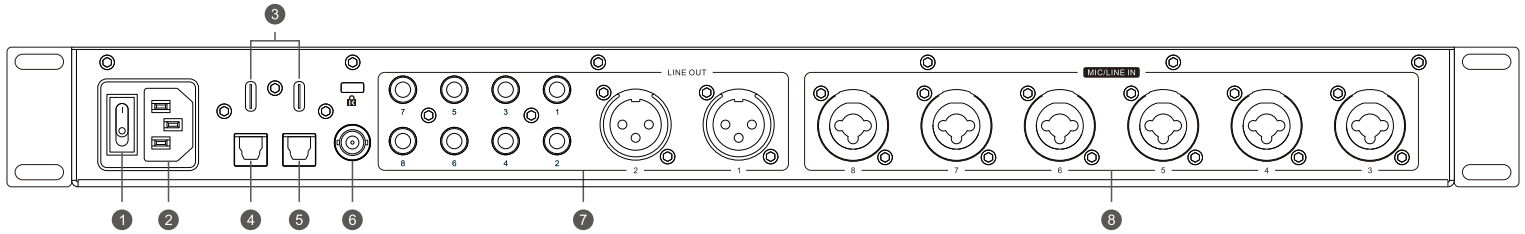
10. Headphone volume control

For adjusting headphone volume level. Rotate counterclockwise to decrease the volume and clockwise to increase the volume.

11. 6.35mm headphone output jack

Connect your headphone here.

Rear panel



1. Power switch

2. Power input

AC 100-240V 50Hz/60Hz

3. USB-C ports

Two USB ports are available, please use any one of them, and the USB-1 port is used by default when connecting the two ports at the same time.

4. ADAT Optical OUT（OUT2）

8-channel output at 44.1 or 48 kHz sample rate.

8-channel output at 88.2 or 96 kHz sample rate.

5. S/PDIF Optical OUT（OUT1）

2-channel output, supports up to 96kHz.

6. WORD CLOCK OUT（BNC connector）

For connecting to other digital audio devices. The E8x8 Pre is used as the master clock to synchronize with the connected device. If they are not synchronized, noise or other problems may occur.

7. LINE OUT

Tfor connecting to active speakers or amplifiers.

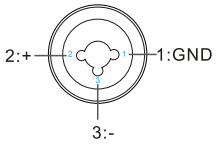
LINE OUT 1-2: 6.35mm TRS balanced jacks + XLR balanced jacks

LINE OUT 3-8: 6.35mm TRS balanced jacks

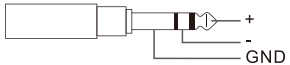
8. IN3-8

For connecting microphones, line-level devices. No support for connecting instruments. These can be used with both XLR and 6.35mm（balanced or unbalanced）phone plugs. Microphones will normally be connected using XLR plugs, and line-level devices should be connected via 6.35mm TRS plugs.

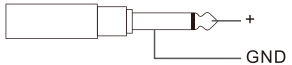
XLR IN



TRS



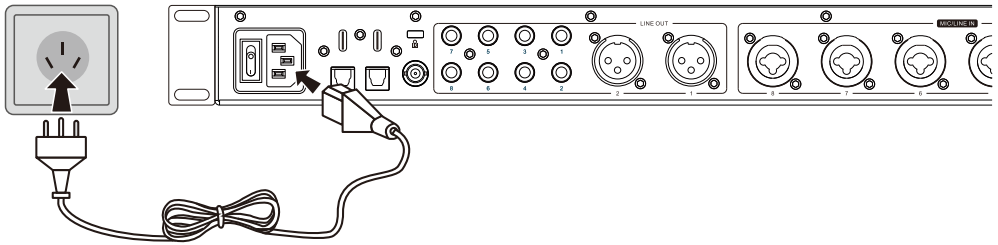
TS IN



4.Basic operation

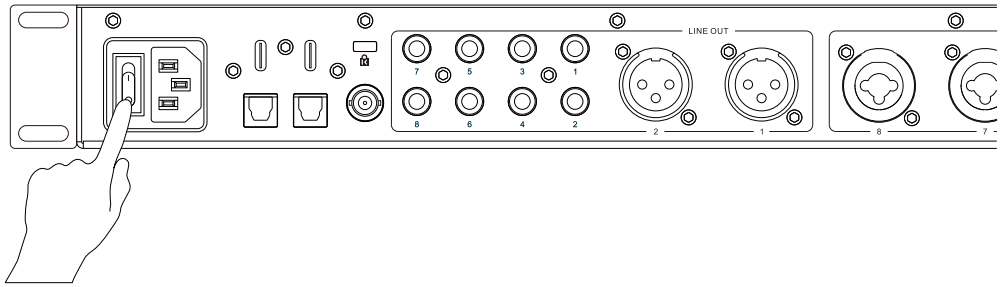
Power on/off

Connect the power supply, and turn the unit on or off by power switch.

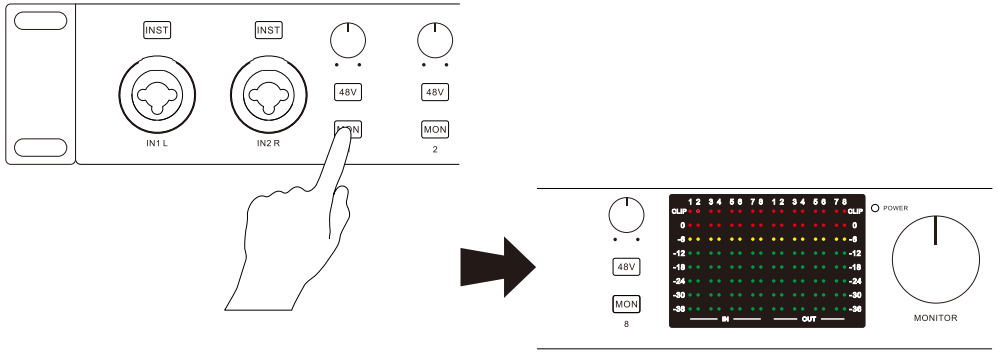


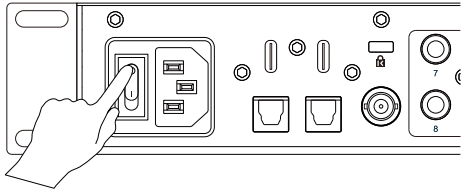
Factory reset

1. Set the power switch to OFF.



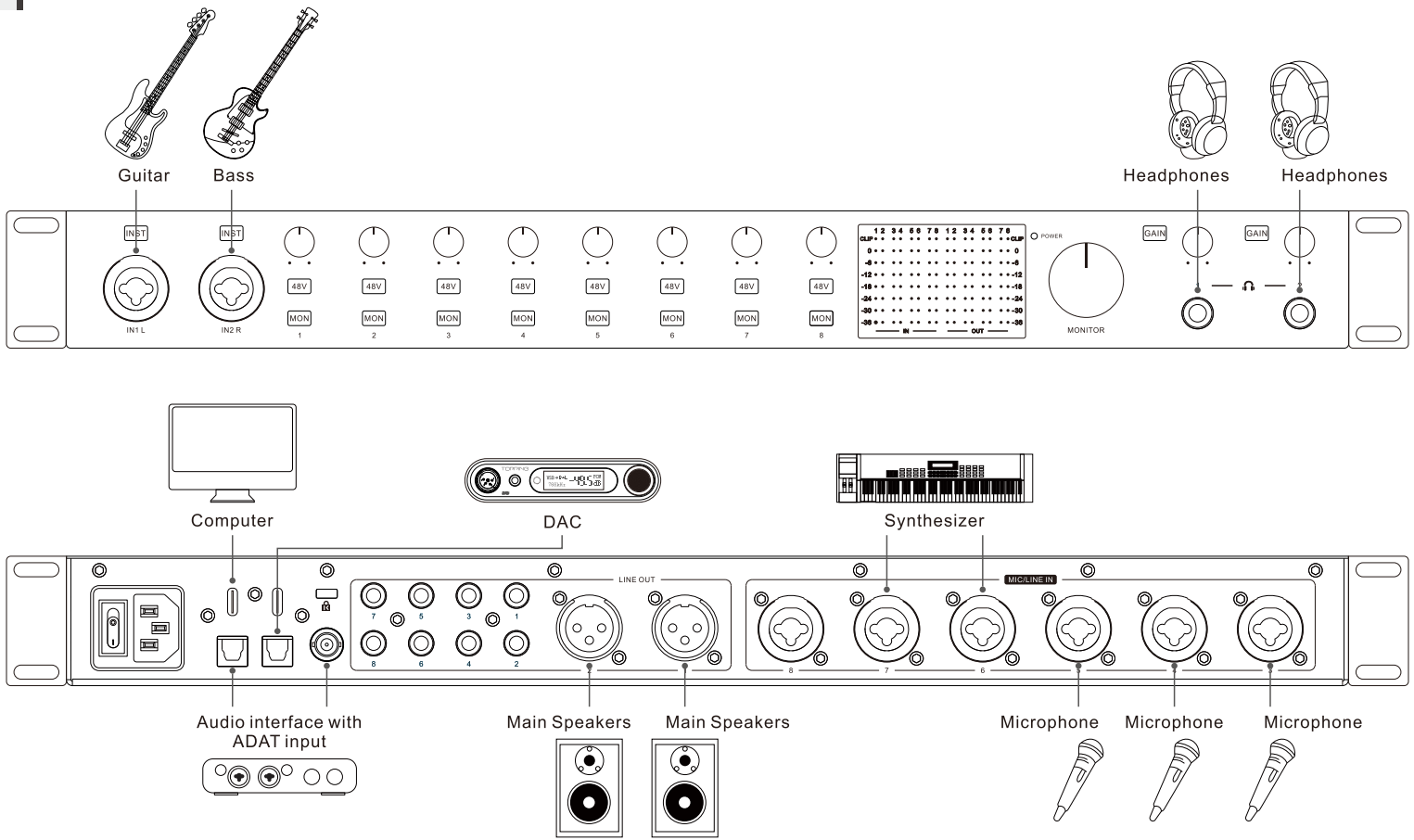
2. Press and hold the MON button of IN1 while powering on the device until all meter indicators light up, and the factory settings can be restored.





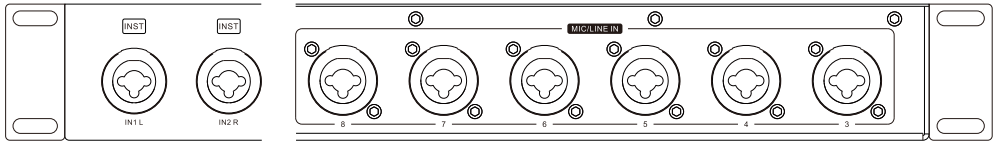
5.Connection

Connection example

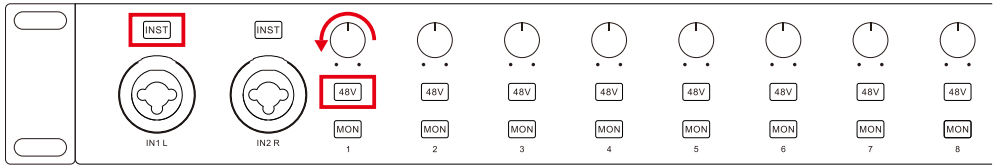


Connect to the microphone

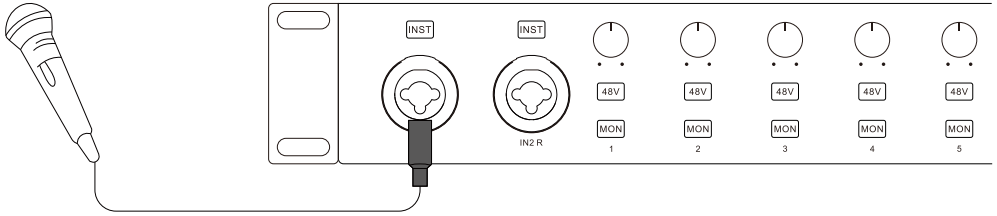
1. Connect the microphone to any of the IN1-8 connectors



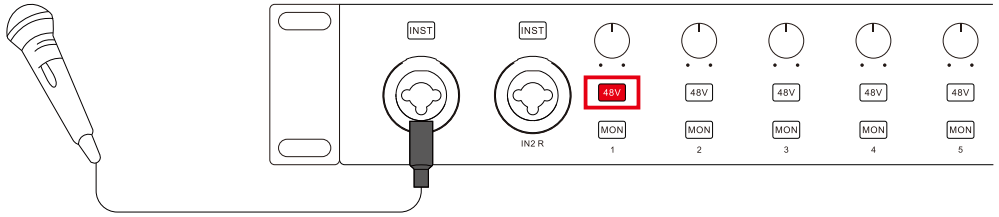
2. Turn the input gain knob corresponding to the input you want to use to the minimum,and press the 48V and INST buttons off.（e.g. IN1）



3. Connecting microphone to the input connector using the XLR cable.（e.g. IN1）



4. If your microphone requires 48V phantom power, the corresponding 48V button needs to be lit.（e.g. IN1）



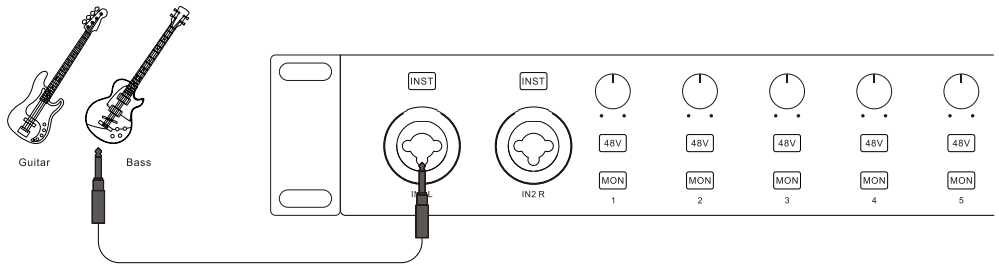
⚠ CAUTION:

- Phantom power is only required for condenser microphones and may damage the connected equipment that does not require it. Therefore, turn phantom power off when it is not required. Make sure if your microphone needs the 48V phantom power before turning it on.
- Set all volume levels to minimum before turning phantom power on or off.

5. Please go to "Adjust the input gain".

Connect to the guitar/bass

1. Connect the guitar/bass to IN1/IN2 using the TS cable.（e.g. IN1）

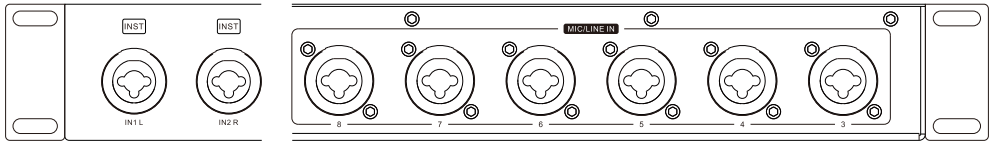


2. Press and light on the corresponding INST button.（e.g. IN1）

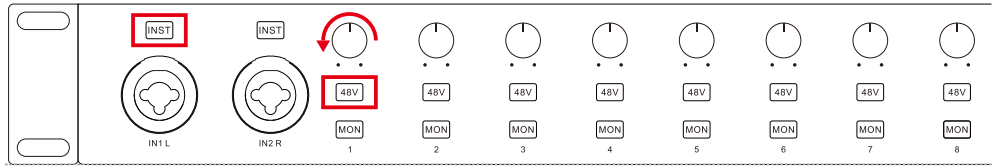
3. Please go to "Adjust the input gain".

Connect to the line-level device

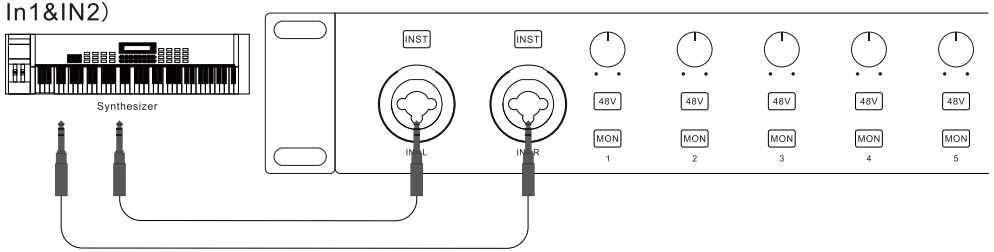
1. Connect the line-level device to any of the IN1-8 connectors.



2. Turn the input gain knob corresponding to the input you want to use to the minimum, and press the 48V and INST buttons off.（e.g. IN1）

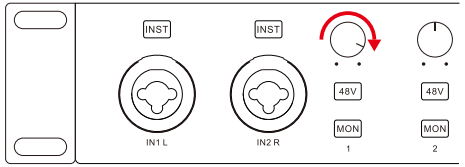


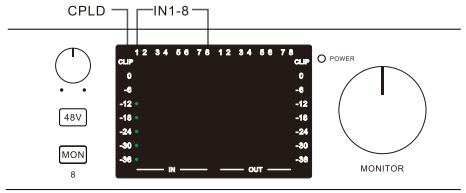
3. Connecting line-level device to the input connector using the TRS cable.（e.g. In1&IN2）



Adjust the input gain

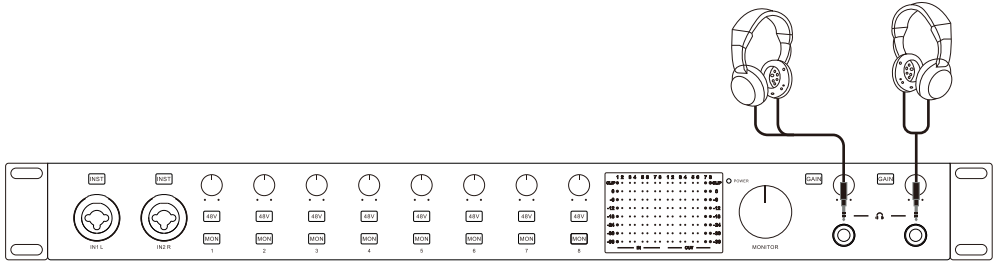
Once the input is connected you need to adjust the input gain knob to amplify the input signal.When adjusting the gain, you need to observe the level meter at the same time. IN1-8 is the input level meter.While singing or playing the guitar, observe the level of the corresponding input and slowly turn up the input gain knob until the signal is large enough and will not clip easily.





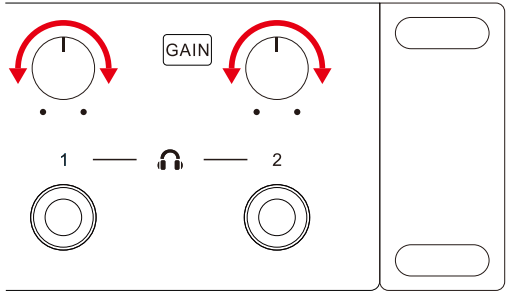
Connect to headphones

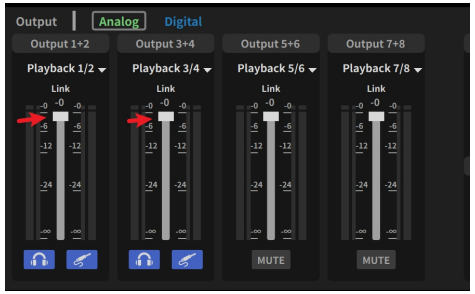
1. Connect the headphones to 1/2 port.



2. Select the signal to be transmitted to the headphones on ToppingPro, headphone 1 corresponds to Output1+2 and headphone 2 corresponds to Output3+4. Please light up the headphone icon, otherwise it will be muted. For details, see the ToppingPro Reference Guide.

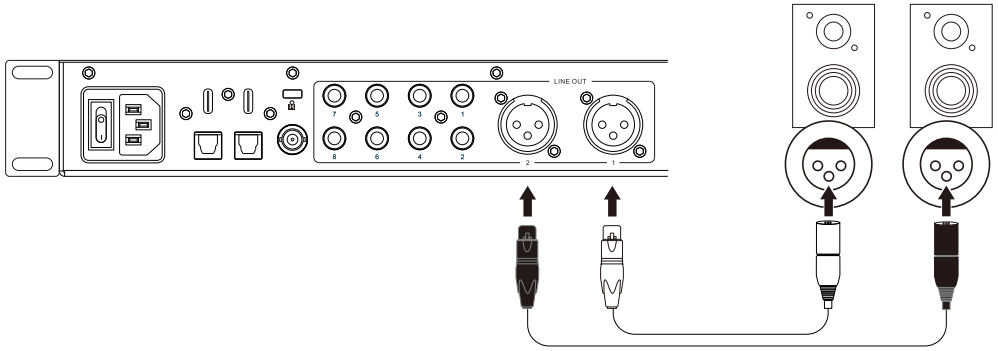
3. Use the upper knob and gain button or slide the fader in Toppingpro to adjust the volume.



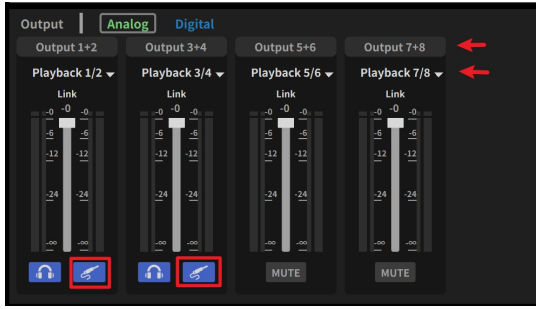


Connect to active speakers or amplifiers

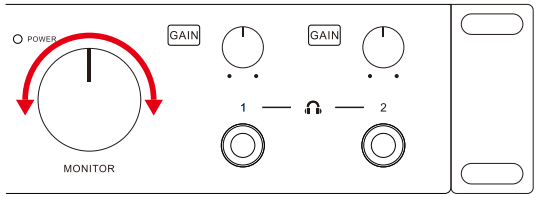
1. Connect the passive speakers or amplifiers to LINE OUT using the balanced TRS or XLR cables.



2. Select the signal to be transmitted to the LINE OUT on ToppingPro. LINE OUT 1-8 correspond to Output 1-8. For LINE OUT 1-4, please light up the plug icon, otherwise it will be muted. For details, see the ToppingPro Reference Guide.

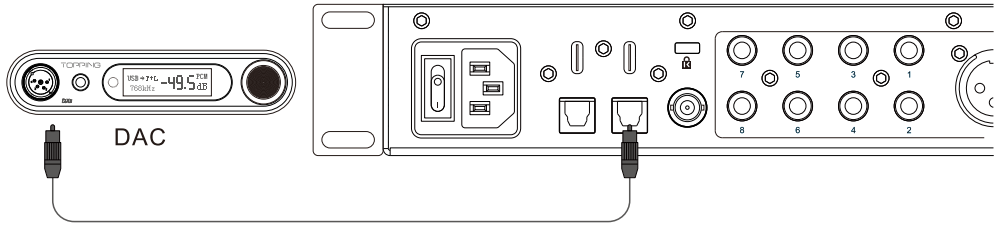


3. Adjusting the Volume. The volume level of LINE OUT 1&2 can be adjusted by ToppingPro or the MONITOR knob on the front panel. LINE OUT 3-8 can only be set on ToppingPro.



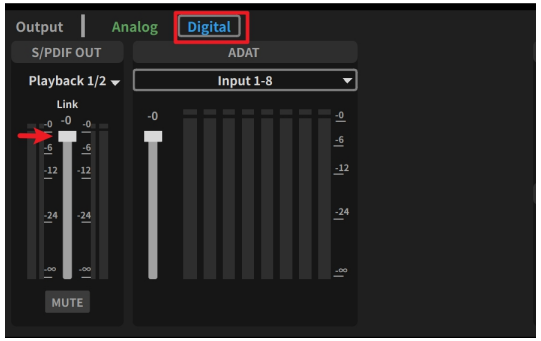
Connect to S/PDIF optical device

1. Connect the S/PDIF optical device to “OPT OUT1” port.



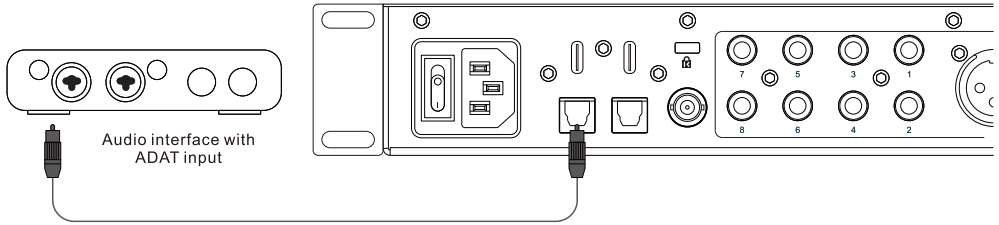
2. Select the signal to be transmitted to the S/PDIF OUT on ToppingPro. For details, see the ToppingPro Reference Guide.

3. You could adjust volume by the fader.

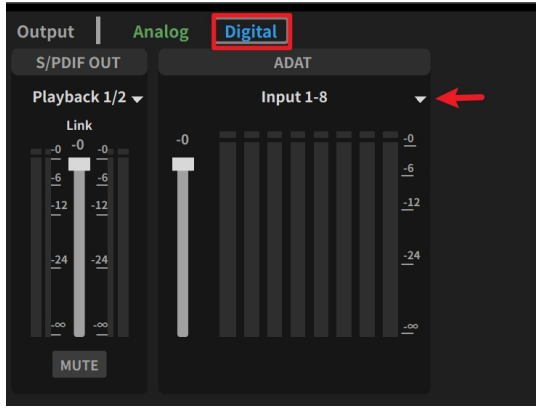


Connect to S/PDIF optical device

1. Connect the ADAT optical device to “OPT OUT2” port.

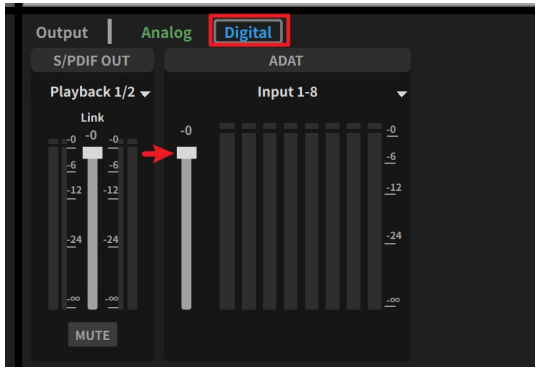


2. Select the signal to be transmitted to the ADAT on ToppingPro. For details, see the ToppingPro Reference Guide.



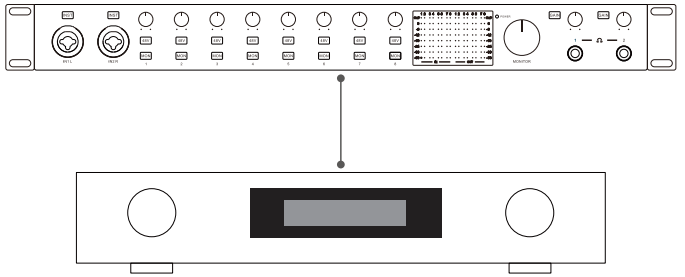
2. Set the same sampling rate for the E8x8 Pre and the connected device.
Note: 8-channel output at 44.1 or 48 kHz sample rate. 8-channel output at 88.2 or96 kHz sample rate. The sampling rate can be set in the ToppingPro or on the DAW.

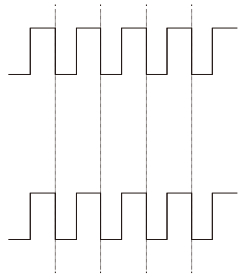
3. You could adjust volume by the fader.



WORD CLOCK OUT

When connecting with digital devices, noise or other problems may occur if they are not synchronized. By connecting the WORD CLOCK OUT of the E8x8 Pre to the WORD CLOCK IN of the connected digital device, the E8x8 Pre will be used as the master clock to synchronize with the connected device.





6.TOPPING Professional Control Center（ToppingPro for short）

Download link of ToppingPro:
https://topping.pro/download
Download link of ToppingPro Reference Guide:
https://www.topping.pro/downloads/TOPPING Professional Control Reference Guide.pdf

7.Audio Set-up in your DAW

E8x8 Pre is compatible with any DAWs that supports Core Audio on Mac or ASIO on Windows.You need to ensure that E8x8 Pre is selected as the ASIO driver（Windows）or Core Audio driver（Mac）in the DAW's preferences/playback settings. If you are not sure where these options can be found, please refer to your DAW's user guide.

8.Precautions

1. Do not keep the unit in a hot, humid environment or hit the unit strongly.
2. Opening the case instantly voids the warranty!
3. Indoor use only.
4. Topping accepts no liability for any loss or damage arising directly or indirectly from the failure of E8x8 Pre.
5. For improvement purposes, specifications subject to changes without prior notice.

9.Trouble shooting

No power（The power indicator is not on）

1. Check if the rear panel power switch is in the ON position.
2. Try another power cable.
3. Try another power outlet.

The PC does not recognize this unit

（Power indicator blinks/breathes, ToppingPro shows "no device connected".）

1. Check the operating system for compliance: macOS 12 or later（optional driver requires 10.13 or later）; Windows 10 or later.
2. Insert connection cables all the way in.
3. There are two USB ports on the device, use either one of them, and the USB-1 port is used by default when connecting the two ports at the same time.
4. Turn off all antivirus applications and reinstall ToppingPro.
5. Confirm if the USB cable is broken or damaged, replace the USB cable with a new one. Use a USB cable no longer than 2 meters.
6. Try with other USB ports of your computer and don't use the USB HUB.
7. Check if the problem is on the computer. Try another one.

Playback sound cannot be heard

1. Check the speaker connections and the volume settings on the speakers.
2. Adjust the E8x8 Pre Line output and headphone amp output volume.
3. Check the settings on the ToppingPro.
4. Connect E8x8 Pre and your computer directly without using a USB hub.
5. Remove the USB devices which are connected with your computer and not in use, and then confirm the sound.
6. Quit all applications you are not using then confirm the sound.

Recorded audio is too loud, too quiet or silent

1. Adjust the E8x8 Pre input gain level.
2. When using the condenser mic which needs 48V phantom power, turn phantom power on.
3. Check the settings on the ToppingPro.

Sound breaks up

1. Set the buffer size（latency）in the audio application that you are using or in ToppingPro to a larger value（Windows only）.
2. Check if the problem is on the computer. Try another one.

Input sound distortion

Watch the input meter and reduce the input gain level if clipping indicator is on.

Cannot play or record

1. Confirm that E8x8 Pre is set for input and output in the software that you are using.
2. Confirm that the E8x8 Pre is connected to the computer correctly.
3. Quit all the software that is using the E8x8 Pre, and unplug and re-plug the USB cable connected to the E8x8 Pre.

10.Specifications（@24bits/96kHz）

Microphone Input

Equivalent Input Noise @A-wt,150 Ohm	-130.5dBu
THD+N @A-wt	-110dB（0.0003%）
Dynamic Range @A-wt	115dB
SNR @A-wt	115dB
Crosstalk @1kHz	-140dB
Frequency Response	20Hz-40kHz（±0.2dB）
Maximum Input Level	8.6dBu
Input Impedance	1.5k Ohms
Available Gain	58dB + 20dB （20dB digital gain）
Phantom Power	48V
Connector Type	XLR connector of the combo socket

Line Input

THD+N @A-wt	-107dB（0.00045%）
Dynamic Range @A-wt	115dB
SNR @A-wt	115dB
Crosstalk @1kHz	-140dB
Frequency Response	20Hz-40kHz（±0.1dB）
Maximum Input Level	23.9dBu
Input Impedance	9k Ohms
Available Gain	58dB + 20dB （20dB digital gain）
Connector Type	TRS connector of the combo socket

Instrument Input

THD+N @A-wt	-108dB（0.0004%）
Dynamic Range @A-wt	115dB
SNR @A-wt	115dB
Crosstalk @1kHz	-140dB
Frequency Response	20Hz-40kHz（±0.3dB）
Maximum Input Level	14.8dBu
Input Impedance	1M Ohms
Available Gain	58dB + 20dB （20dB digital gain）
Connector Type	TS connector of the combo socket

*Note: The above data is the result of the test in TOPPING laboratory.

Line Output

THD+N @A-wt	-100dB（0.001%）
Dynamic Range @A-wt	115dB
Analogue Dynamic Range @ A-wt, -40dB attenuation	127dB
SNR @A-wt	115dB
Crosstalk @1kHz	-128dB
Frequency Response	20Hz-40kHz（±0.3dB）
Maximum Output Level	14dBu
Noise @A-wt	1.8uVrms
Output Impedance	100 Ohms
Connector Type	6.35mm TRS balanced jack

Headphone Output

THD+N @A-wt	-100dB（0.001%）
Dynamic Range @A-wt	115dB
Analogue Dynamic Range @A-wt, -40dB attenuation	132dB
SNR @A-wt	115dB
Crosstalk @1kHz	-120dB
Frequency Response	20Hz-40kHz（±0.3dB）
Maximum Output Level	0dBu @ Gain=L
	17dBu @ Gain=H
Noise @A-wt	1 uVrms
Output Impedance	1 Ohms
Connector Type	6.35mm stereo headphone jack
Output Power	580mW x 2 @32Ω THD+N<1%
	380mW x 2 @64Ω THD+N<1%
	198mW x 2 @150Ω THD+N<1%
	105mW x 2 @300Ω THD+N<1%
	55mW x 2 @600Ω THD+N<1%

*Note: The above data is the result of the test in TOPPING laboratory.