TOPPING
Professional

TOPPING Professional Control Center

使用指南

Reference Guide

V1.2

目录

安装和打开

1. 安装和打开TOPPING Professional Control Center（下文简称为ToppingPro）

Windows

1. 访问网站 https://www.topping.pro/download/ 下载ToppingPro应用程序。
2. 双击运行安装包，并且根据提示安装ToppingPro。
3. 使用随附的USB线，连接E2x2和电脑。
4. 双击电脑桌面上的ToppingPro快捷方式，以启动ToppingPro。
5. 当电脑已经联网，连接设备后，若有新固件可更新，ToppingPro会通知您。

MacOS

1. 访问网站 https://www.topping.pro/download/ 下载ToppingPro应用程序。
2. 双击运行安装包，并且根据提示安装ToppingPro。
3. 使用随附的USB线，连接E2x2和电脑。
4. 双击电脑桌面上的ToppingPro快捷方式，以启动ToppingPro。

2. 概览和基础操作

输入设置
可对E2x2的两路硬件输入进行设置。

内录设置
将E2x2硬件输入信号和电脑的音频信号（比如播放软件或浏览器音频信号）传回给电脑，可用于传输给DAW以录制这些信号。

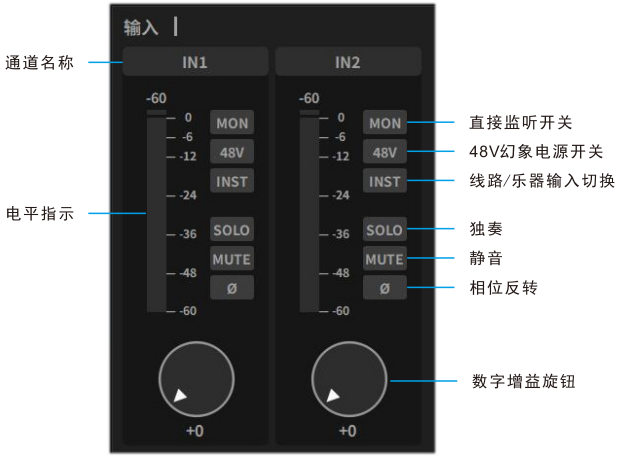
混音器设置
混音器支持将多路音频输入信号（包含硬件输入信号和电脑的音频信号）混合为一路输出。

输出设置
设置E2x2的耳机输出和Line out输出。

基础操作

- 点击按键打开/关闭对应功能。
- 点击旋钮，上下拖动鼠标或滚动鼠标滚轮以转动旋钮。
- 双击旋钮/推杆恢复为其默认位置。（监听混音旋钮除外）
- 点击数字增益旋钮数值或者推杆对应的数值可以直接对数值进行修改。

3. 输入设置



通道名称

单击即可重命名，您可命明为更有标识的名称，比如“主唱”或“吉他”。

电平指示

显示当前信号的电平（单位为dBFS），当超过0dBFS时，顶端的削波指示灯亮起。

直接监听开关

单击点亮该按键会启用直接监听，将该通道的输入信号直接路由到耳机输出，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。

48V幻象电源开关

单击点亮该按键时开启幻象电源供电，作用于对应输入接口的XLR输入。

线路/乐器输入切换

灯灭时为线路输入，灯亮时为乐器输入。

独奏

独奏会将除目前正在独奏的通道之外的所有通道静音。在同一时间可以独奏多个通道。

静音

灯亮时将此通道静音。

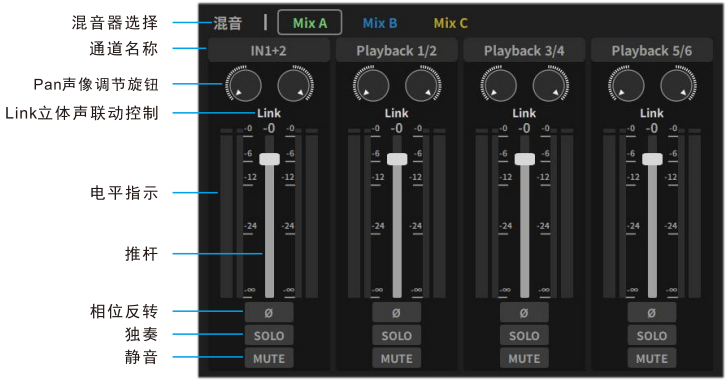
相位反转

灯亮时将信号的极性反转180°。

数字增益旋钮

提供+0dB到+20dB数字增益，该设置独立于E2x2前面板的输入增益旋钮（模拟增益），建议先使用前面板的增益旋钮，如果调到最大增益还是不够，则再调节该数字增益旋钮。

4. 混音器设置



混音器选择

三个不同的混音器可选。三个混音器共享相同的输入，但是不同的混音器可以有不同的设置。

通道名称

单击即可重命名，您可命明为更有标识的名称，比如“主唱”或“吉他”。

Pan声像调节旋钮

用于调节声源左右分布。比如转动到极左时，表示此通道的信号全部传输给了左声道输出，同理，转动到极右时，表示此通道的信号全部传输给了右声道输出，当处于中间位置时，表示此通道信号左右声道均有输出。

Link立体声联动控制

点亮该按键会将相邻的两个输入通道设置为一路立体声，实现联动控制。比如用一个推子可同时控制相邻的两路输入信号大小，而无需推动两个推子。另外点亮Link后，两个通道的声像旋钮会自动分别设置为极左和极右。

电平指示

显示当前信号的电平（单位为dBFS），当超过0dBFS时，顶端的削波指示灯亮起。
左右分别为两个通道的电平指示，一个通道有两个电平指示，外侧为输入电平指示，内侧为输出电平指示。

推杆

推杆控制对应通道传输给所选混音器的电平大小。可设置范围：-∞ dB到+12dB。

相位反转

灯亮时将信号的极性反转180°。

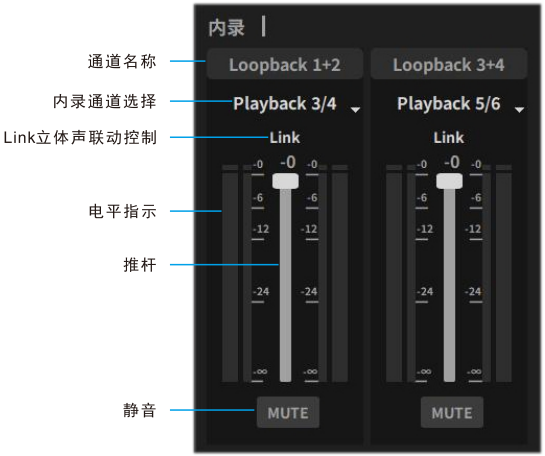
独奏

独奏会将除目前正在独奏的通道之外的所有通道静音。在同一时间可以独奏多个通道。

静音

灯亮时将此通道静音。

5. 内录设置



通道名称

单击即可重命名，您可命明为更有标识的名称，比如“主唱”或“吉他”。

内录通道选择

选择需要传输回电脑的信号。
可选项：
- 混音（Mix A, Mix B, Mix C）
- 输入（Input 1, Input 2, Input 1+2）
- 回放（Playback 1/2, Playback 3/4, Playback 5/6）

注：如选择Input 1或Input 2，会将该单声道信号分配到左右声道。

Link立体声联动控制

点亮该按键会将相邻的两个输入通道设置为一路立体声，实现联动控制。比如用一个推子可同时控制相邻的两路输入信号大小，而无需推动两个推子。另外点亮Link后，两个通道的声像旋钮会自动分别设置为极左和极右

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显示当前信号的电平（单位为dBFS），当超过0dBFS时，顶端的削波指示灯亮起。
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推杆

推杆控制对应通道传输给所选混音器的电平大小。可设置范围：-∞ dB到-0dB。

静音

灯亮时将此通道静音。

6. 输出设置

通道名称

单击即可重命名，您可命明为更有标识的名称，比如“主唱”或“吉他”。

输出通道选择

选择您想要输出到E2x2耳机接口和Line out接口的信号通道。
可选项：
- 混音（Mix A, Mix B, Mix C）
- 输入（Input 1, Input 2, Input 1+2）
- 回放（Playback 1/2, Playback 3/4, Playback 5/6）

注：如选择Input 1或Input 2，会将该单声道信号分配到左右声道。

Link立体声联动控制

点亮该按键会将相邻的两个输入通道设置为一路立体声，实现联动控制。比如用一个推子可同时控制相邻的两路输入信号大小，而无需推动两个推子。另外点亮Link后，两个通道的声像旋钮会自动分别设置为极左和极右。

电平指示

显示当前信号的电平（单位为dBFS），当超过0dBFS时，顶端的削波指示灯亮起。
左右分别为两个通道的电平指示，一个通道有两个电平指示，外侧为输入电平指示，内侧为输出电平指示。

推杆

推杆控制对应通道传输给所选混音器的电平大小。可设置范围：-∞ dB到-0dB。

输出设置

左侧为耳放输出，右侧为Line out输出。点亮时有输出，熄灭时静音。

监听混音旋钮

如果你在E2x2的前面板上调整监听混合旋钮，ToppingPro上的这个旋钮将自动做出相应的变化。（该旋钮无法在ToppingPro上控制。）

耳机增益设置

灯灭时为低增益，灯亮时为高增益。

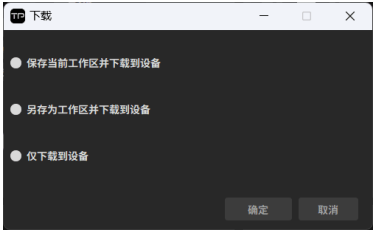
7. 其他设置

保存和调用工作区　　采样率设置　　缓冲区大小设置

保存和调用工作区

该功能适用于有多个使用场景的用户，您可以保存不同使用场景下ToppingPro输入，混音器，内录和输出等部分的设置。当切换场景时，您可以快速调用设置，而无须将设置逐个进行修改。
新建/另存为工作区：点击对应选项，在输入完工作区名称后，回车即可完成操作。

另外您可以点击 按键，将当前设置下载到E2x2上，此后当E2x2开机且没有运行ToppingPro时，会自动调用该设置。



采样率设置

可设置为44.1，48，88.2，96，176.4或192kHz。采样率越高，所录制的音频的保真度越高，但同时高采样率录制的音频需要更占用更多的存储空间。

缓冲区大小设置

缓冲区越小，延迟越小，但是对电脑性能的要求会越高。当您遇到播放卡顿/破音时，请尝试增大缓冲区的大小。

8. 系统设置

系统设置

语言选择：简体中文，English
界面比例：100%，120%，150%
界面比例随系统调节：勾选可启用该功能。
工作区存储目录：点击“更改目录”可以进行修改。
开机自动运行：可选择是否在电脑开机后自动运行ToppingPro。
自动保存工作区：勾选可启用该功能。

设备相关设置

亮度调节：调节E2x2前面板指示灯亮度。低，中，高三档亮度可选。
自动待机功能：可选择是否打开自动待机功能。当E2x2的自动待机打开后，如果检测到电源信号存在，而USB信号，IN1和IN2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。
移动端应用：连接手机/平板时，建议启用该功能。

缓冲区设置

安全模式：开启安全模式可以提高稳定性，降低出现破音的概率。

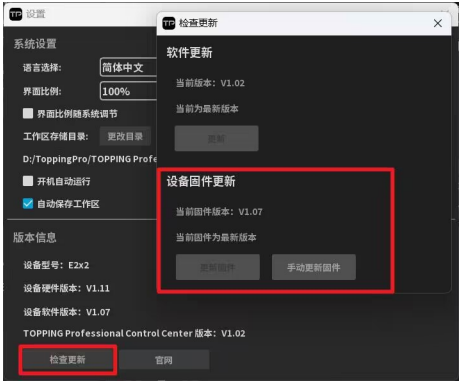
系统设置

版本信息

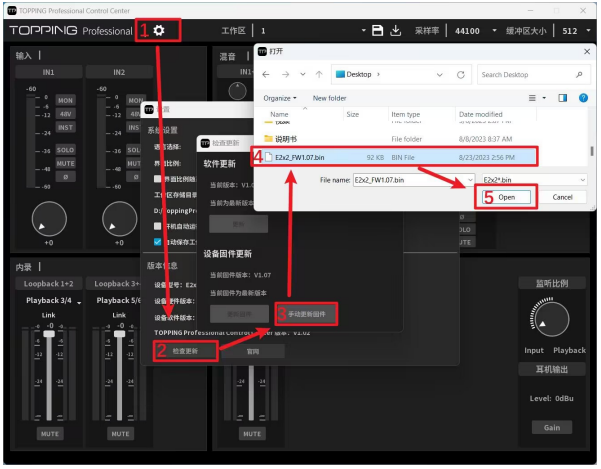
可查看设备型号，设备硬件版本，设备软件版本和ToppingPro版本。
可检查更新或访问Topping Professional官网以了解更多资讯。

固件升级

点击检查更新，可选择“更新固件”或“手动更新固件”。



选择了更新固件后，会自动更新官网上最新的固件。这时请不要做任何操作，直到ToppingPro软件重启，这表示固件升级完成了。
或者您可以选择进行手动更新固件，请先在官网上下载固件，后续步骤如下。



Catalog

1. **Installing and Launching TOPPING Professional Control Center**（hereinafter called the “ToppingPro”）

Windows

1. Visit https://www.topping.pro/download/ to download the ToppingPro application.
2. The installer was designed to be easy to use. Open the installer and simply follow the onscreen instructions.
3. Connect the E2x2 to your computer using the included USB cable.
4. Double-click the ToppingPro shortcut on the desktop to launch it.
5. If your computer is connected to the internet, the ToppingPro app will check for firmware updates whenever a unit is connected. If there is a firmware update available then the ToppingPro app will notify you.

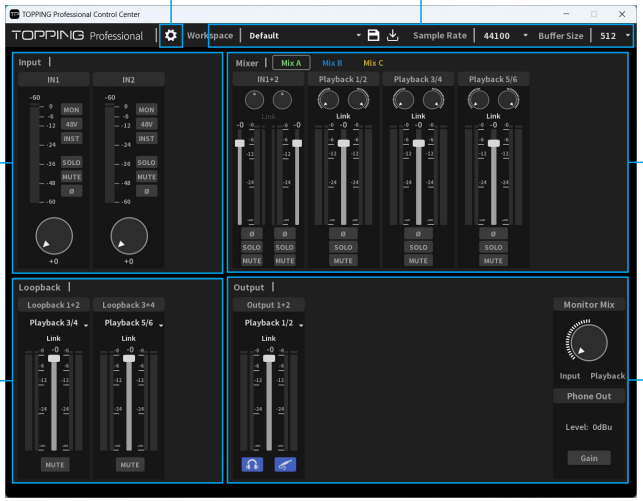
MacOS

1. Visit https://www.topping.pro/download/ to download the ToppingPro application.
2. The installer was designed to be easy to use. Open the installer and simply follow the onscreen instructions.
3. Connect the E2x2 to your computer using the included USB cable.
4. Double-click the ToppingPro shortcut to launch it.

2. **Overview and basic operations**

System settings

Other settings



Input section

Settings for the E2x2's two analogue input

Mixer section

Multiple input channels (including the hardware inputs and DAW playbacks) can be mixed to one output.

Loopback section

You can send the input signals and the computer signals back to the computer so that you can record them, etc.

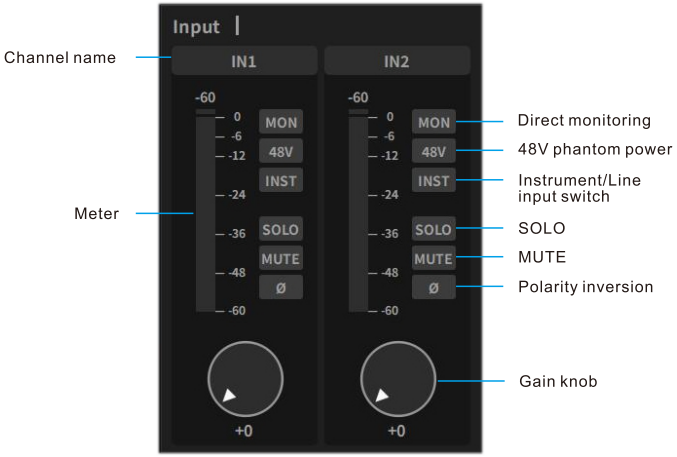
Output section

Settings for the headphone output and Line output of E2x2.

Basic operations

- Click a button to turn it on/off.
- Click a knob and drag up/down or use mouse wheel to adjust it.
- Double-click a knob/fader to reset it. (Except for the monitor mix knob)
- Click a digital gain knob value or fader value to allow direct entry of the value.

3. **Input section**



Channel name

Click to rename the channel name.

Meter

The meter shows the current signal level in dBFS. If a level exceeds 0 dBFS, the top of the meter will light red.

Direct monitoring

Click 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, so that you can monitor your input signals without any latency.

48V phantom power

When light is on, E2x2 enables 48V phantom power at corresponding XLR socket.

Instrument/Line input switch

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.

SOLO

The SOLO button mutes all other channels except the one currently being soloed. Multiple channels can be soloed at the same time.

MUTE

Mute this channel.

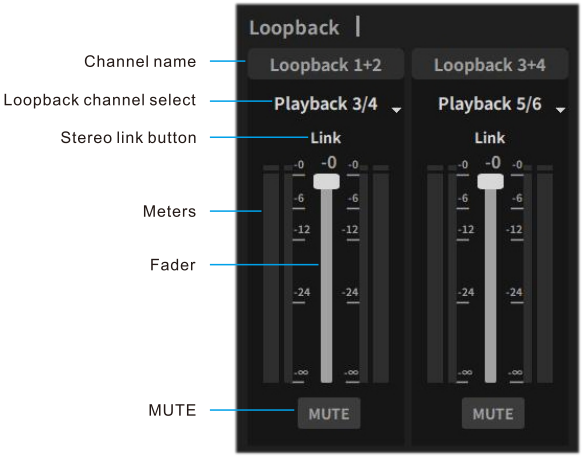
Polarity inversion

Inverts the polarity of the channel.

Digital gain knob

It provides up to +20dB of digital gain, which can be stacked with the effect of the input gain knob (analog gain) on the front panel of the E2x2. We recommend adjusting the digital gain after the analog gain is maxed out but still does not provide sufficient gain.

5. **Loopback section**



Channel name

Click to rename the channel name.

Loopback channel select

Select the channels you want to loop back.
Available options:
- Mixer（Mix A, Mix B, Mix C）
- Input（Input 1, Input 2, Input 1+2）
- Playback（Playback 1/2, Playback 3/4, Playback 5/6）

Note: If you select Input 1/ Input 2, this mono signal will be routed to the left and right channels.

Stereo link button

Allows you to link the two adjacent channels together with a single fader controlling the level of both channels. When the channels are linked, the pans will automatically be set to far left and far right.

Meters

The meters show the current signal level in dBFS. If a level exceeds 0dBFS, the top of the meter will light red. Each channel has two meters. The outer ones are the input meters and the inner ones are the output meters.

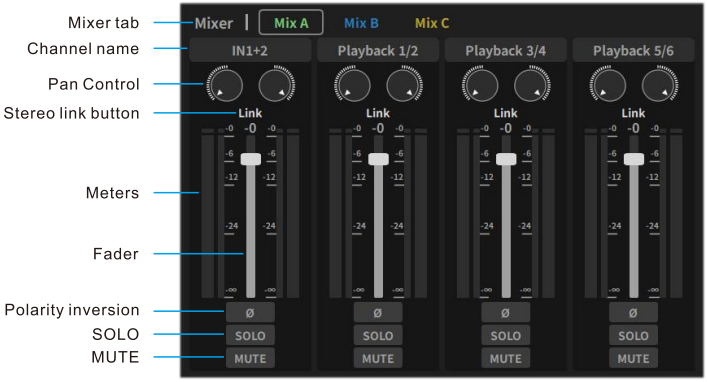
Fader

The fader controls the amount of signal that is sent to currently selected mix. This can be set to anywhere between -∞dB to -0dB.

MUTE

Mute this channel.

4. **Mixer section**



Mixer tab

Each mix can be selected by clicking on the corresponding mixer tab. They shares the same source inputs, but all other mixer controls are independent in each mix.

Channel name

Click to rename the channel name.

Pan Control

Adjusts the panning of that input signal.

Stereo link button

Allows you to link the two adjacent channels together with a single fader controlling the level of both channels. When the channels are linked, the pans will automatically be set to far left and far right.

Meters

The meters show the current signal level in dBFS. If a level exceeds 0dBFS, the top of the meter will light red.
Each channel has two meters. The outer ones are the input meters and the inner ones are the output meters.

Fader

The fader controls the amount of signal that is sent to currently selected mix. This can be set to anywhere between -∞dB to +12dB.

Polarity inversion

Inverts the polarity of the channel.

SOLO

The SOLO button mutes all other channels except the one currently being soloed. Multiple channels can be soloed at the same time.

MUTE

Mute this channel.

6. **Output section**

Channel name

Click to rename the channel name.

Output channel select

Select the signal channel you want to output to E2x2's headphone out and the line out.
Available options:
- Mixer（Mix A, Mix B, Mix C）
- Input（Input 1, Input 2, Input 1+2）
- Playback（Playback 1/2, Playback 3/4, Playback 5/6）

Note: If you select Input 1/ Input 2, this mono signal will be routed to the left and right channels.

Stereo link button

Allows you to link the two adjacent channels together with a single fader controlling the level of both channels. When the channels are linked, the pans will automatically be set to far left and far right.

Meters

The meters show the current signal level in dBFS. If a level exceeds 0dBFS, the top of the meter will light red. Each channel has two meters. The outer ones are the input meters and the inner ones are the output meters.

Fader

The fader controls the amount of signal that is sent to currently selected mix. This can be set to anywhere between -∞dB to -0dB.

Output setting

Left side is the headphone out, right side is the Line out. Output when lit, mute when off.

Monitor mix

Shows the monitor mix set by the monitor knob on the front panel of the E2x2. (This knob can't be controlled on ToppingPro.)

Headphone amp gain setting

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

7. **Other settings**

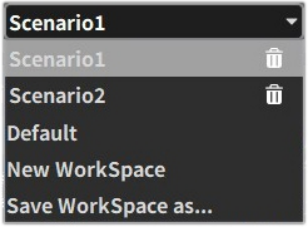
Saving & Loading workspace

Sample rate

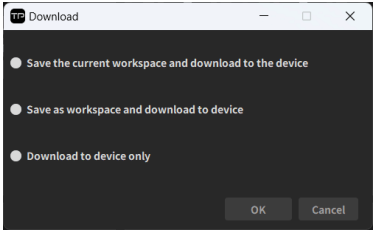
Buffer size

Saving & Loading workspace

Here you can save the combined settings of input, mixer, loopback, output sections, etc as workspace. When you change the usage scenario, you can quickly load the settings saved earlier.
New Workspace/Save Workspace as: Click on the corresponding option and enter the workspace name, then press the Enter key to finish.



Besides, pressing the button allows you to download the current settings to E2x2. And E2x2 will automatically load these settings when turning on offline (not connecting to the control software).



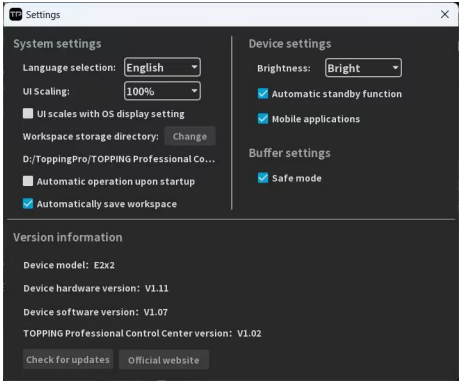
Sample rate

Support: 44.1, 48, 88.2, 96, 176.4 and 192kHz. A higher sample rate will increase the fidelity of the recording but will increase the file size and the amount of system resources necessary to process the audio.

Buffer size

Reducing the buffer size will lower latency; however, this will also increase performance demands on your computer. If you are experiencing clicks and pops or audio dropouts, try increasing the buffer size.

8. **System settings**



System settings

Language selection: English, 简体中文
UI scaling: 100%, 120%, 150%
UI scales with OS display setting: Tick to enable this feature.
Workspace storage directory: You can change the workspace storage directory here.
Automatic operation upon startup: Choose whether or not to run ToppingPro automatically upon computer startup.
Automatically save workspace: Tick to enable this feature.

Device related settings

Brightness: Set the brightness of indicators on the E2x2 front panel.
Automatic standby function: When the this function is on, if power signal is detected while no USB signal, IN1 and IN2 signals are present, the power indicator will flash and E2x2 will enter standby state after one minute. Once having detected valid USB signal, it will automatically return to working state.
Mobile applications: It is recommended to enable this feature when connecting a mobile phone/tablet.

Buffer settings

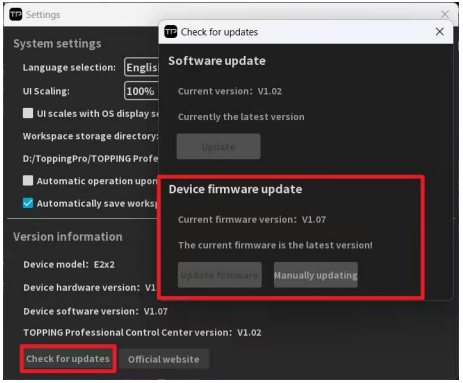
Safe mode: Enabling Safe Mode will be more stable and reduce the likelihood of popping sound.

Version information

Check Equipment model, Device hardware version, Device software version and ToppingPro current version.
Check for updates or visit our official website for more information.

Firmware update

Click "Check for updates" and select "Update firmware" or "Manually updating".



After selecting "Update firmware", it will automatically update the latest firmware on our website. Please wait until ToppingPro restart itself, which indicates that the firmware upgrade is complete.
Or you could select "Manually updating". Please follow the steps below, before that you need to download the firmware from our website.