TOPPING

TOPPING Tune

使用指南

Reference Guide

V1.1

Catalog

1. Installing and Launching TOPPING Tune

System requirements

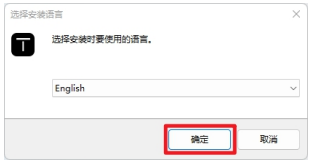
- macOS 10.15 or later（optional driver requires 10.13 or later）; Windows 10 or later.
- Intel Core i3 Mac or faster（including Apple silicon Macs）or 1 GHz Pentium-based PC（or compatible）. Faster CPUs are recommended for best performance.
- 2 GB RAM; 4 GB or more recommended.

· Available high-speed USB 2.0（or 3.0）port.

· A large hard drive（preferably at least 512 GB）.

Windows

1. Visit https://www.topping.audio/ to download the TOPPING Tune application.
2. The installer was designed to be easy to use. Open the installer and simply follow the onscreen instructions.



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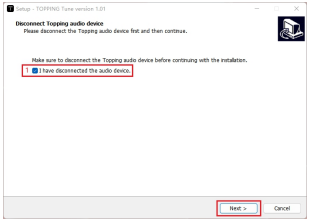

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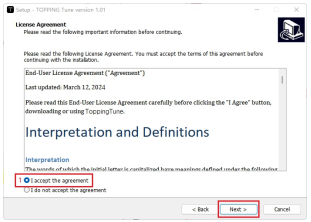

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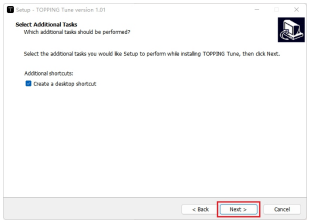

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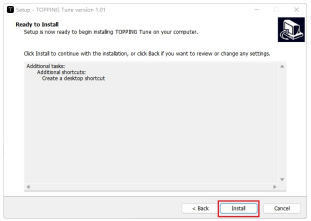

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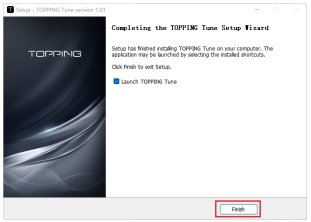


（6）

3. Connect PC and USB-C port on the unit with included USB cable. If more power is required, connect a 5V adapter（not included）to the POWER port.

***Note**: PEQ supports USB input only.

4. Double-click the TOPPING Tune shortcut on the desktop to launch it.
5. If your computer is connected to the internet, the TOPPING Tune app will check for firmware updates whenever a unit is connected. If there is a firmware update available then the TOPPING Tune app will notify you.

2. Overview

1. **System settings**
You can select the language, change the directory of the exported EQ file, check for updates, view the version information, restart the software, and more.

2. **Other settings**
Import and select target or source frequency response curves and export tuned frequency response curves.

3. **Save and load configuration**
You can add tuned frequency response curves from local configurations to the device configuration so that you can use them offline.

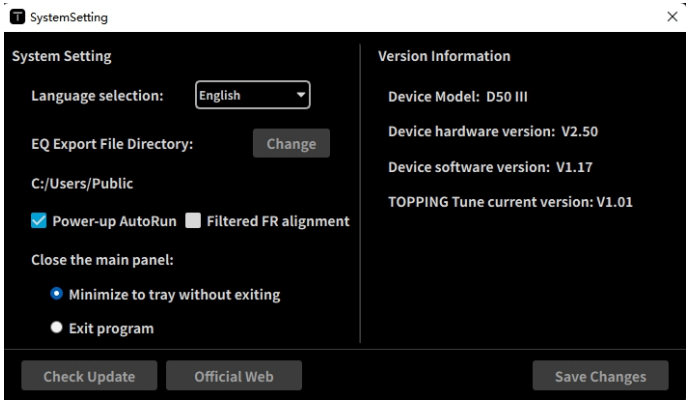
4. **Chart section**
You can view target curves, source frequency curves, curves for each filter, and stacked filter curves.

5. **Divided section**
You can drag up or down to zoom in to PEQ setting section or chart section, respectively.

6. **PEQ setting section**
Up to 10 band Equalizer can be set.

7. **Information bar**
You can view the device model, connection status, audio format, the number of selected EQ band, the maximum number of supported band for EQ, and the on/off status of the unit's PEQ.

3. System settings



1. System setting

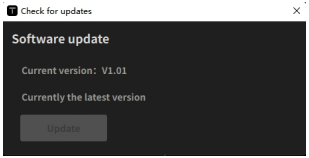
Language: Chinese, English
EQ export file storage directory: Click "Change" to modify.
Power-on autorun: Tick to enable this function.
Filtered FR alignment: Tick to enable this function. This function aligns the response of the filtered curves to 0dB at 500Hz.
Close the main panel: Choose one of the two ways to close the panel.
1. Minimize to tray without exiting
2. Exit program

2. Version Information

Check the device model, device hardware version, device software version and the current version of TOPPING Tune.

3. Check Update

Click "Check Update" to check the current software version and the latest version. If it is not the latest version, click "Update" to automatically update the latest software version on the official website. Please don't do anything at this time until the Topping Tune software restarts, which means the software update is complete.



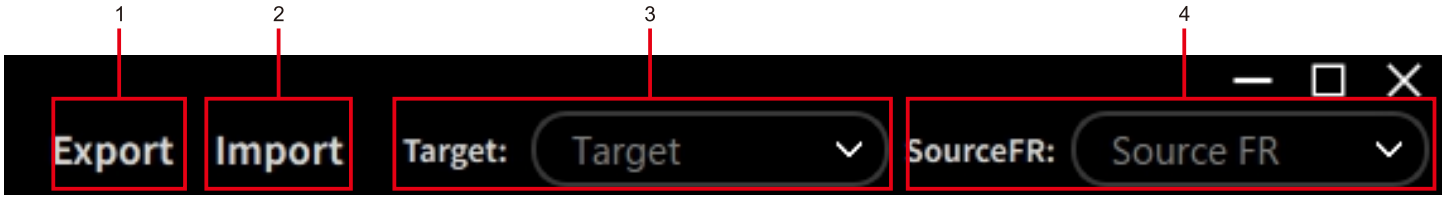
3. Official Web

Click on "Official Web" to visit https://www.topping.audio/

4. Save Changes

Click "Save Changes" to save current settings.

4. Other settings



1. Export

Click "Export" to export current curve file.

2. Import

Click "Import" to select the target curve or source frequency response curve file to be imported.

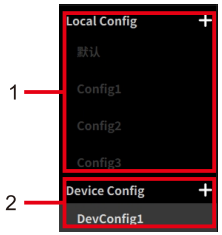
3. Target curve files

Click to select the desired target curve file. For example, Harman OE is the Harman over-ear target curve.

4. Source frequency response curve files

Click to select the source frequency response curve file you want.

5. Save and load configuration



1. Local Configuration

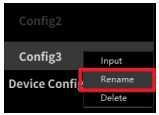
This function is suitable for users with different listening habits, music types and usage scenarios. You can configure different frequency response curves according to your needs. When you change the usage scenario, you can quickly load the settings saved earlier.

Create local configurations

Click + to the right of the local configuration, name it and enter to create it successfully. Select any configuration and click + to copy it.

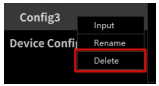
Rename

Right-click on the corresponding configuration and select Rename.



Delete

Right-click on the corresponding configuration and select Delete.

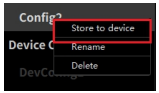


2. Device Configuration

Load local configuration onto the device for offline use.

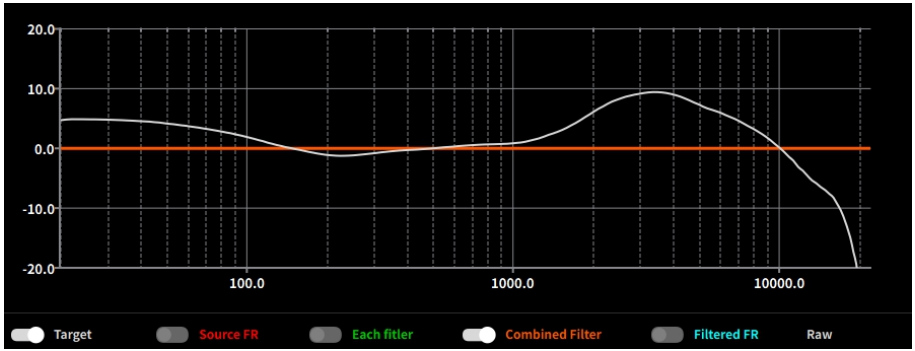
Ways to add device configuration:

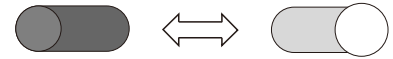
1. Select the local configuration you want, right-click and select "Store to device".



2.Select the configuration you want and click the + to the right of the device configuration.

7. Chart section





Not turned on　　Turned on

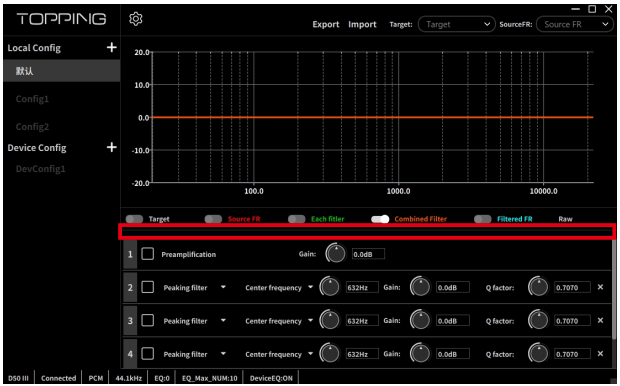
Primeval　　Compensated

Target: Enable/Disable the target curve
Source FR: Enable/Disable the source frequency response curve
Each Filter: Enable/Disable the each filter curve
Combined Filter: Enable/Disable the combined filter curve
Filtered FR: Enable/Disable the filtered curve

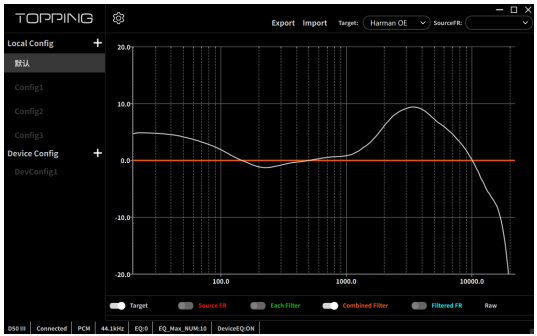
Raw: No target curve compensation is used
Compensated: Use target curve compensation

* Using the mouse wheel to zoom in and out on the Y-axis, you can clearly observe subtle frequency response changes, allowing for more specific EQ settings.

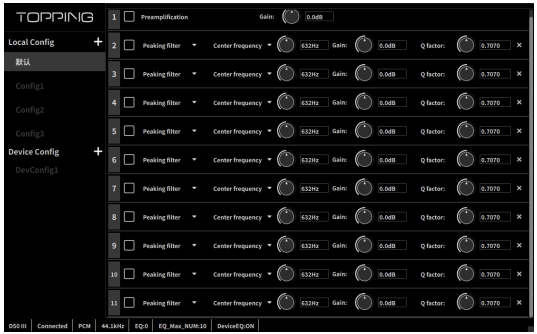
6. Divided section



In this section, drag up or down to zoom in to PEQ setting section or chart section, respectively.

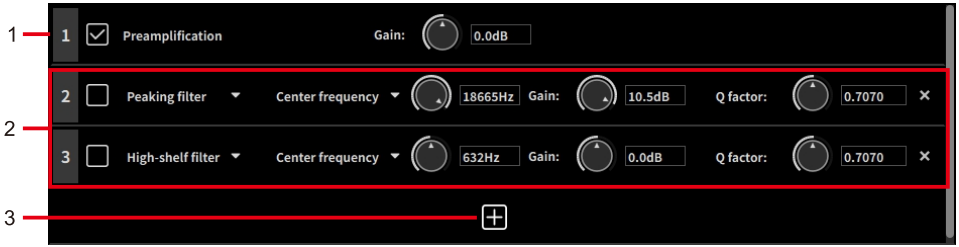


Drag down



Drag up

8. PEQ setting section



1. Preamplification

Refers to the overall gain or attenuation, which is effective for all frequency points after adjustment, and the adjustment range is ±12dB.
Note: The filtered curve（Filtered FR）is unaffected by the preamplification.

2. Equalization band

1. **Checkbox**: Tick the checkbox that means this EQ band is selected.

2. **Filter types:**
   Peaking filter: Create valleys or peaks in the frequency response.
   Low-pass filter: Allows signals below a given frequency to pass and prevents or attenuates signals above a given frequency.
   High-pass filter: Allows signals above a given frequency to pass and prevents or attenuates signals below a given frequency.
   Low-shelf filter: Selectively attenuates or boosts signals below a given frequency.
   High-shelf filter: Attenuates or boosts a signal above a given frequency.

3. **Frequency**: For peaking filter, it is the center frequency of the peak or valley; for low-pass or high-pass filter, it is the cutoff frequency attenuated to -3dB; for low-shelf or high-shelf filter, it is the frequency at which the gain is half of the set value

4. **Gain**: It can boost or attenuate the volume of the corresponding frequency point, and the adjustment range is ±12dB.

5. **Q factor**: It refers to the bandwidth of the band you want to gain or attenuate, i.e. the influence range of the gain at that frequency point, and the adjustment range is 0.1 ~ 15. When the Q value is higher, the corresponding curve is steeper, and the influence of the band is smaller; on the contrary, the corresponding curve is flatter, and the influence of the band is larger.

* Change frequency/gain/Q factor: Place the mouse on the knob and use the mouse wheel to adjust. Or you can enter the value directly in the box. Double-click the knob to reset it.

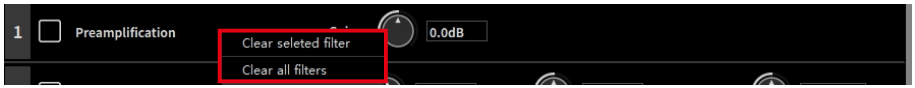
6. **Delete**: Click to delete the current EQ band.

3. Add

Up to 10 band Equalizer can be added.

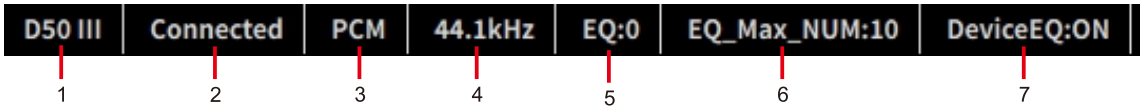
PEQ setting section

4. Clear filter values



Clear selected filter: Reset the EQ band.
Clear all filters: Reset all EQ band, including the preamplification.

9. Information bar



1. Device

If connected successfully, the device model currently in use is displayed.

2. Connection status

Disconnected, connected

3. Audio format

PCM,DSD

4. Sampling rate

Show the sample rate of the song being played.
PCM: 4.1kHz~768kHz
DSD: 2.82MHz~22.56MHz

5. Selected EQ band

The sum of all ticked EQ band in the PEQ setting section.

6. Maximum number of band supported by EQ

PCM 44.1kHz ~192kHz: 10 band
PCM 352.8kHz ~768kHz and DSD: None
Note: PEQ supports up to PCM 192kHz/32bit

7. EQ of the unit is on/off

If the unit is disconnected, it will not show the EQ on / off status of the unit.
If the unit is connected, "On" means EQ is turned on at the unit and "Off" means EQ is not turned on at the unit.