Dirac Live Processor Quick Start Guide



DIRAC

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Intro

What is Dirac Live Processor?

If you want to try Dirac Live without a dedicated hardware device, then Dirac Live Processor (DLP) is the answer. DLP runs entirely on your Mac or PC, sitting between your computer audio and your speakers or sound system. Rather than uploading filters to an AVR, it applies Dirac Live correction to everything you play on your computer, from streaming audio to local files. It works in two parts: the Dirac Live app measures your room and generates correction filters, while the Processor stores those filters and applies them to your audio in real time.

What you'll need

- A Windows or macOS computer
- A calibrated measurement microphone (miniDSP UMIK-1 recommended)
- A Dirac account with an active DLP Room Correction, Bass Control, or Active Room Treatment license – owned or trial



Setup

Installation

Install the Dirac Live app (used for measurement and filter design) and the DLP app (used for processing audio on the computer) from dirac.com/resources/downloads.

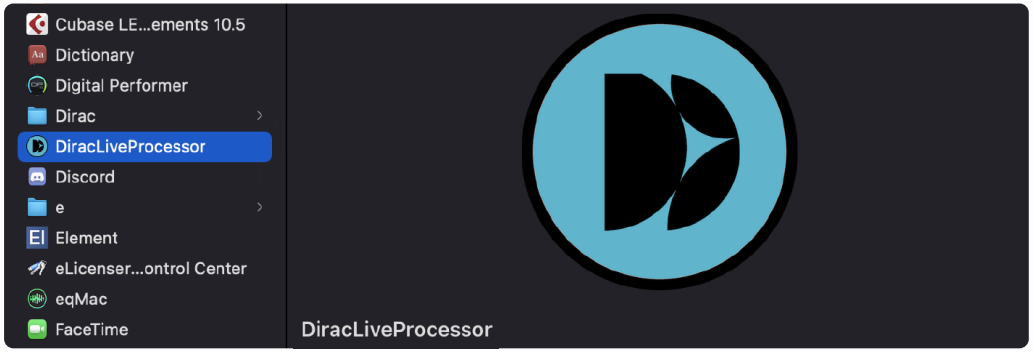
Open the installers and follow the steps.

Windows 11+ or macOS 11+ is required. Keep your computer connected to the internet during installation.

Configuration

1. Launch the DLP app. Login to your Dirac account.

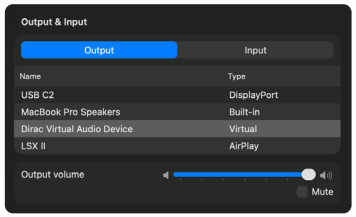
The Processor window is empty the first time you open it. You'll populate it with correction filters after creating them in Dirac Live. Once filters are loaded, the window shows the filter list, gain amount, gain slider, and channel configuration. If Dirac Live isn't installed yet, click "Calibrate" to download and install it.



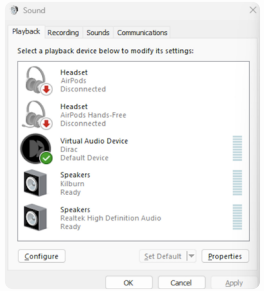
2. In your computer audio settings, select "Dirac Virtual Audio Device" as your system audio output device. This sends system audio to Dirac Live Processor for processing.

If it doesn't show up, try restarting your computer.

mac audio output



Windows audio output



Configuration

3. In Dirac Live Processor Audio Settings, select your chosen speakers as the output. This sends the processed audio from the Processor app to your chosen speakers.

We recommend leaving “Sample rate” and “Audio buffer size” at default values.

4. On Windows, choose an Audio Device type. The Windows Audio options are WASAPI modes; ASIO is a separate low-latency driver protocol:

    - Windows Audio runs in shared mode, sharing system audio resources with other applications.
    - Windows Audio (Exclusive Mode) dedicates all system audio resources to DLP and takes over the Windows audio pipeline.
    - Windows Audio (Low Latency Mode) uses the Windows audio interface in shared mode, but with lower latency.
    - ASIO is a third-party low-latency, high-fidelity driver protocol from Steinberg. If your sound card has ASIO drivers, select ASIO as the Audio Device type.

With Windows Audio modes, change channel configuration and sample rate in the Windows Sound settings. With ASIO, use the Processor together with the ASIO driver’s control panel.

5. Click “Test” to confirm playback works, then close the Audio Settings window. Play a sound from your media player or browser and check that the level meters move and you can hear the audio. You’re now ready to measure and create your first filters in the Dirac Live app.

Select “Audio Settings” from the menu here



Audio Settings in Dirac Live Processor.

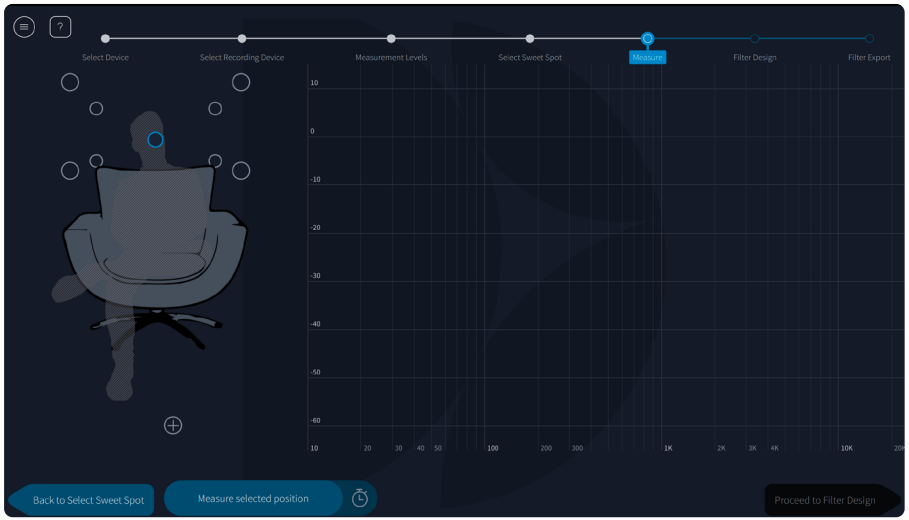
Calibration

1. Launch the Dirac Live app, sign in, confirm Dirac Live Processor is detected as a device, and that its channel count is correct.



Device selection.

2. Follow the measurement steps in the Dirac Live app.



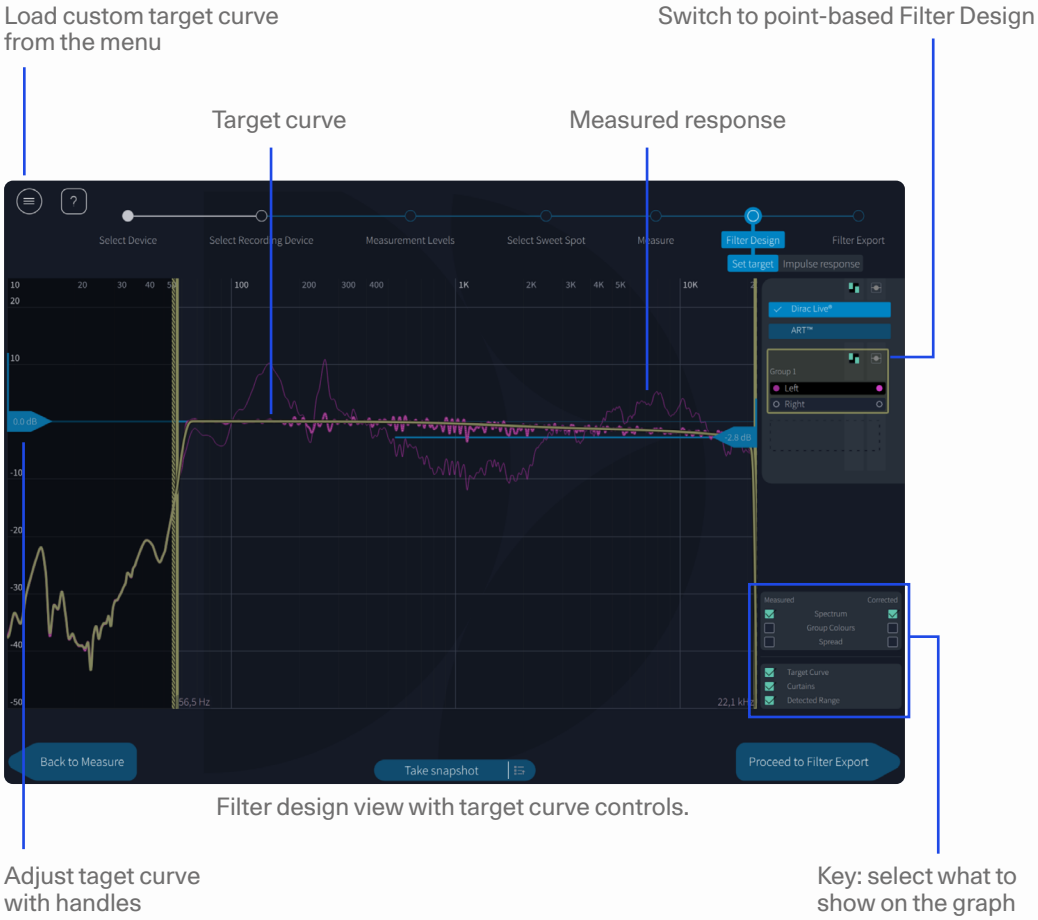
Measurement.

For more help with measurement or filter design, read the full Dirac Live Quick Start Guide.

Filter Design and Export

1. Dirac Live shows your measured response and a target curve (what the audio will sound like after processing). The default target is a solid starting point.

2. If you want to tweak the sound further, adjust the bass and treble sliders, or switch to the point-based Filter Design view for full control of frequency response.



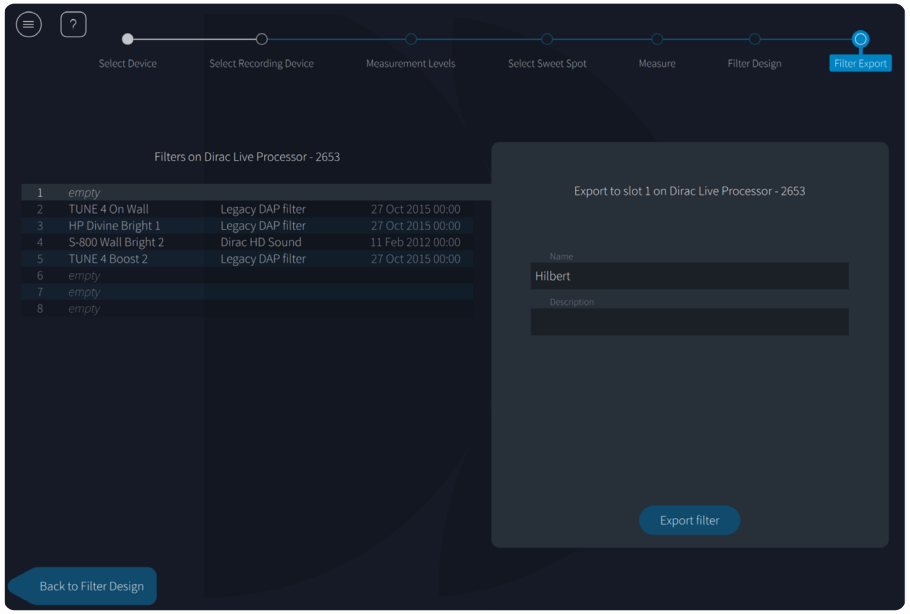
Filter design view with target curve controls.

Filter Design and Export

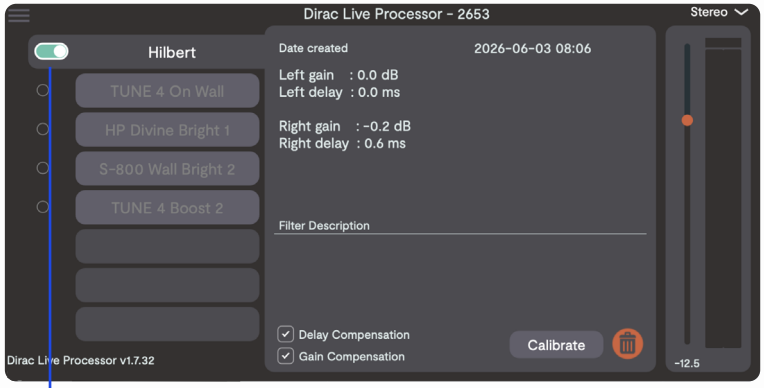
3. Click “Export Filter”. Filters are pushed directly to the running Processor and automatically activated.

4. With the Processor running, play audio from any source. You can now close the Dirac Live app.

   If the result sounds thin or bass-light, raise the low-frequency portion of the target curve and re-export. Enjoy!



Exporting filters to Dirac Live Processor.



Dirac Live Processor with exported filters.

Filter is activated.

Troubleshooting

- “No signal” in Processor: Confirm your computer audio output is set to “Dirac Virtual Audio Device”.
- Processor not detected in Dirac Live: Make sure it’s running, and the computer audio is routed to it before you launch Dirac Live.
- Snapdragon PCs are not supported.


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Select Recording Device
Measurement Levels
Filters
Back to Measure
Take snapshot
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