DIRAC LIVE

Quick start guide

DIRAC

Disclaimer: Dirac Research AB is not responsible for improper use or configuration of Dirac Live software, which may result in damage. Exercise caution, especially when adjusting output gains or boost.

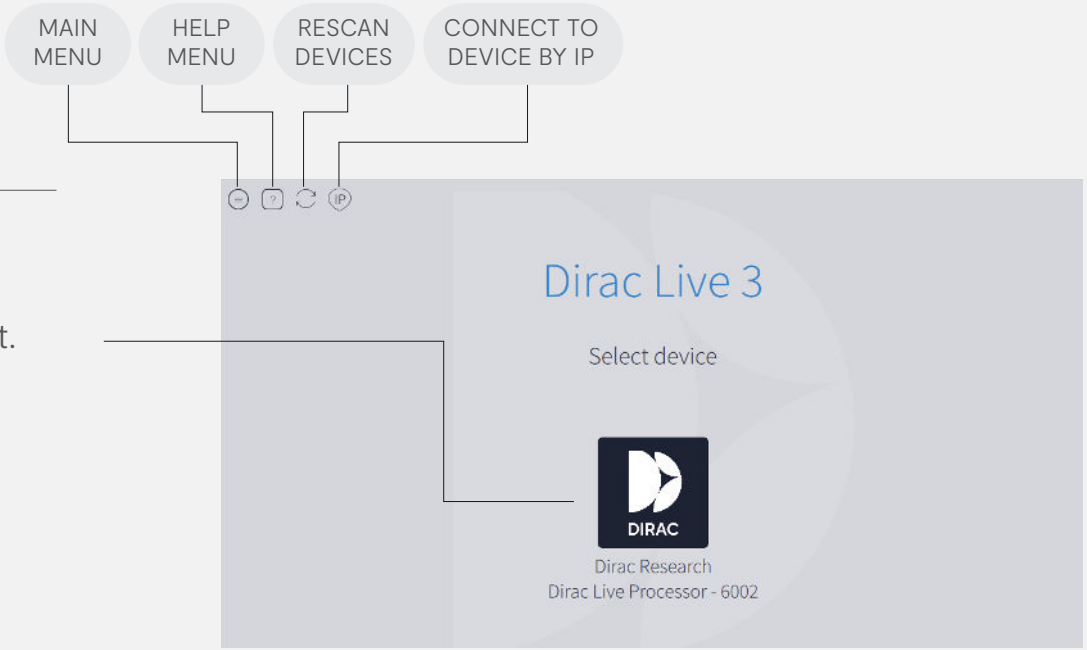
Getting started

- Install the latest version of Dirac Live from **www.dirac.com/live/downloads/**
- Use an omnidirectional calibration microphone with a calibration file such as the miniDSP UMIK-1 that we recommend for Dirac Live.
- Connect the microphone to your computer.
- Ensure the Dirac Live app has microphone access enabled. You can find the settings in the privacy settings in Windows or macOS.
- Make sure that your Dirac Live-enabled device and computer are both connected to the same local network and have internet access.

Calibration guide

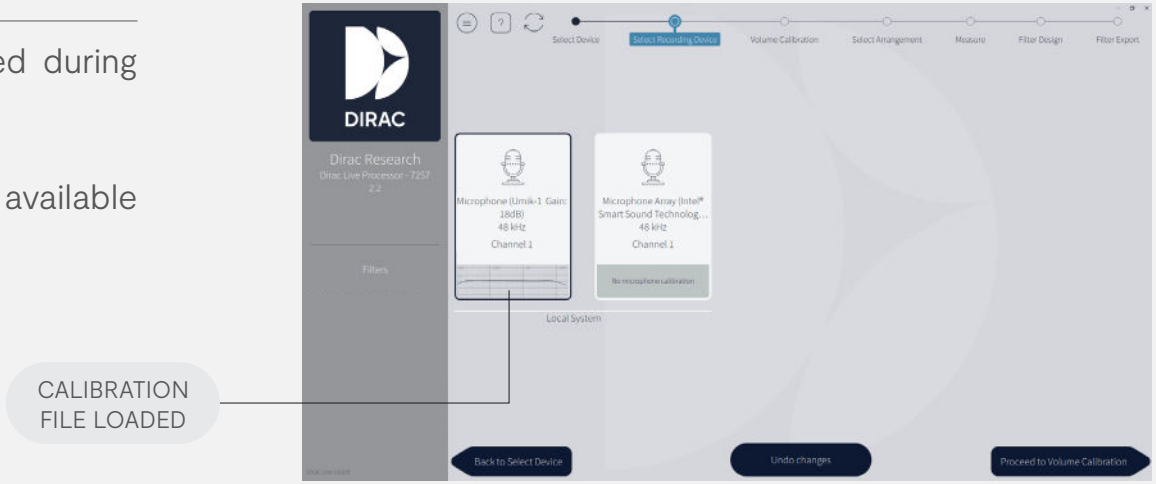
SOFTWARE SETUP

1. Launch Dirac Live and enter your account details.
2. Select your Dirac Live-enabled device from the list.



SELECT RECORDING DEVICE

3. Choose the microphone that you connected during setup.
4. Load your microphone's 90° calibration file, available from the manufacturer.



Calibration guide

VOLUME CALIBRATION

5 At the main listening position, usually called the “sweet spot,” position the microphone at ear height and pointing upward.

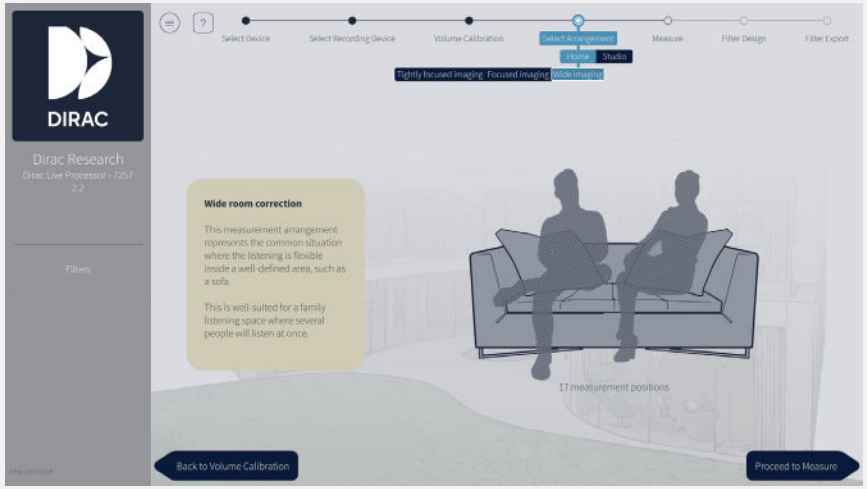
6 Leave “Master output” at a low volume and “Mic gain” at +0dB.

7 Press play beneath each speaker and adjust volume levels until each speaker is visible and playing back at a normal listening level. Speakers do not need to be equalized to the same volume.

SELECT ARRANGEMENT

8 Choose an arrangement from the menu to match the listening area:

- Tightly focused imaging (9 meausurement positions)
- Focused imaging (13 meausurement positions)
- Wide imaging (19 meausurement positions)



Calibration guide

MEASUREMENT

9 Make sure that you have a clear line of sight between the microphone and speakers. Limit any background noise.

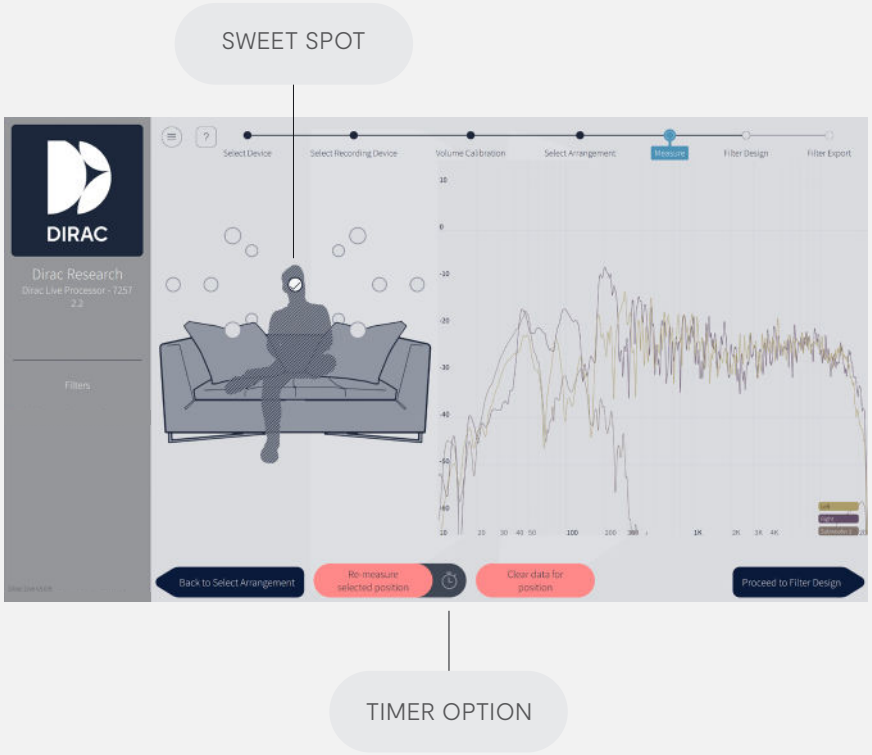
10 With the microphone at ear level in the sweet spot, press “Measure” to take the first measurement.

11 Move the microphone to the next indicated position and measure, repeating the process for all measurement points. Use a roughly even distribution of measurement points across the listening area.

12 The software might alert you that a given measurement could not be completed due to Clipping or Low Signal-to-Noise Ratio. Here are two quick fixes:

- Clipping: Adjust the speaker gain downward in Volume Calibration.
- Low Signal-to-Noise Ratio: Increase the speaker gain upward in Volume Calibration and/or decrease mic gain.

13 Proceed to the filter design page.

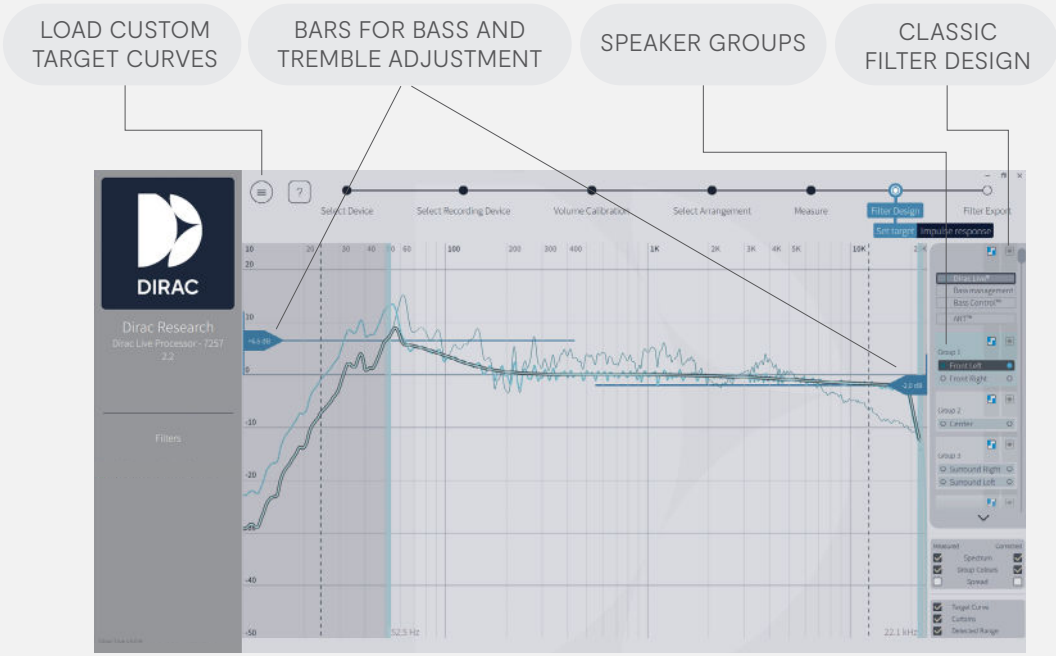


Calibration guide

FILTER DESIGN

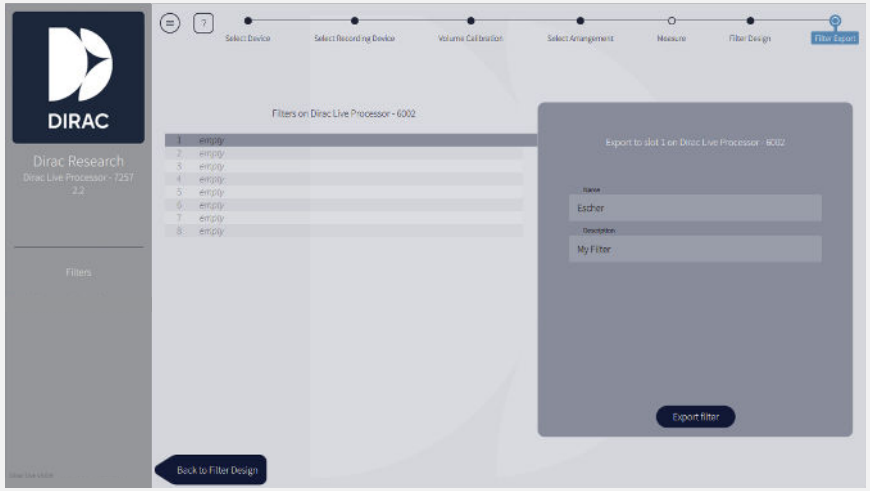
14 View each speaker's average frequency response before and after applying Dirac Live.

15 Modify the desired sound character by dragging the handles for low-end (bass) and high-end (treble). Alternatively, use classic filter design to draw your own target curve.



FILTER EXPORT

16 Export the filter with your desired name and save your project before closing the application.



Need help?

Watch our Official calibration guide

Go to our Support page

Dirac Research AB
dirac.com