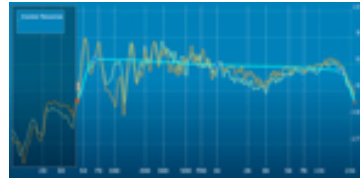


## Measure and calibrate your speakers and room with Dirac Live



### Improve your sound

The loudspeakers and the room which they are used in are typically the weakest links of any sound system and when used in an imperfect room environment performance suffers. Imaging, clarity, and bass punch are badly affected, and resonances in the speaker as well as room modes further distort the sound reproduction with the result that music is not perceived as intended by the artist. With Dirac Live you can easily measure the acoustic characteristics of your loudspeakers and room, and calibrate the sound system to reproduce sound as intended. Dirac Live:

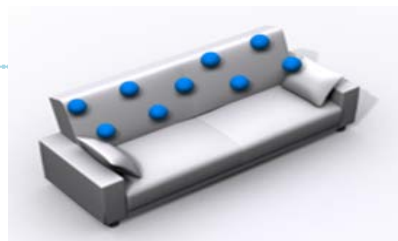
- Optimizes impulse response and frequency response (mixed-phase) in multiple positions
- 96 KHz / 24 bit support
- Compatible with Win 7, 8, Vista, 10; as well as OS X 10.7 - 10.11

### How it works

It takes approximately 45 minutes to calibrate your room with the Dirac Live Calibration Tool™. No matter if you are an advanced user or a beginner there is an option for you.

**Test signals** are sent out from the Dirac Live Calibration Tool™ through your audio system and loudspeakers. These signals allow the software to check the sound's behavior across the entire audio spectrum.

**Measurements** are taken in 9 different positions to provide the best results over the entire listening area.

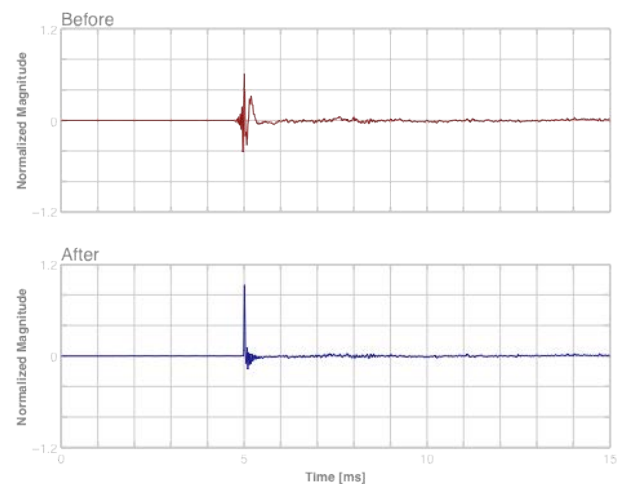
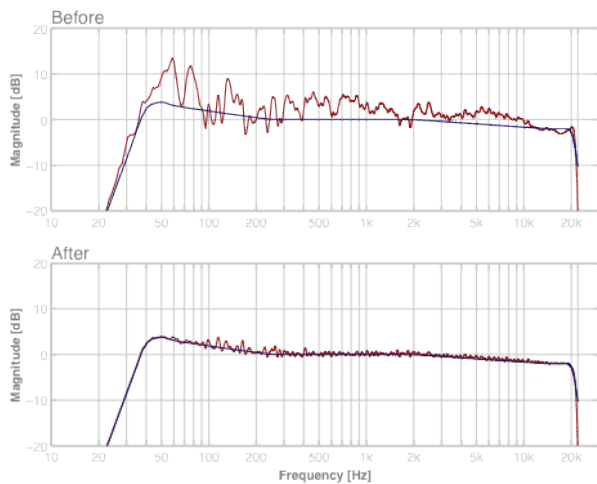


**The speakers and room are assessed** in terms of the frequency response and the impulse response, both vital aspects of sound reproduction. Dirac's auto-target function will automatically suggest an appropriate target response.

## Dirac Live® Technology

Dirac Live® is a mixed-phase room correction technology used in cinemas, studios and luxury cars. It corrects not only the frequency response but also the impulse response, a factor critical for accurate staging, clarity and bass reproduction. Dirac Live® will:

- Improve the imaging of your sound system and the clarity of the music
- Make voices more intelligible
- Produce a tighter bass
- Reduce listening fatigue
- Improve the timbre, remove resonances and room modes
- Reduce early reflections
- Mixed-phase filtering for maximum performance and time domain control
- High-resolution filters through a proprietary filter structure with low computational requirements.



**About Dirac Research:** Founded in 2001, Dirac Research is a premier R&D company specializing in high-performance digital sound optimization, room correction, and sound field synthesis. The company was founded by researchers from the Signals & Systems Group of Uppsala University, Sweden. With Dirac's patented toolbox for efficient and accurate audio system optimization, customers such as BMW, Bentley and Arcam have achieved dramatically improved sound quality and a shortened time-to-market. Dirac Research maintains offices in Sweden, Japan, USA and Kina.