

Dirac Live



Measure your room, calibrate your speakers and bring the best possible sound out of your Hi-Fi system with the digital room correction technology, 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[®] 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[®] Technology

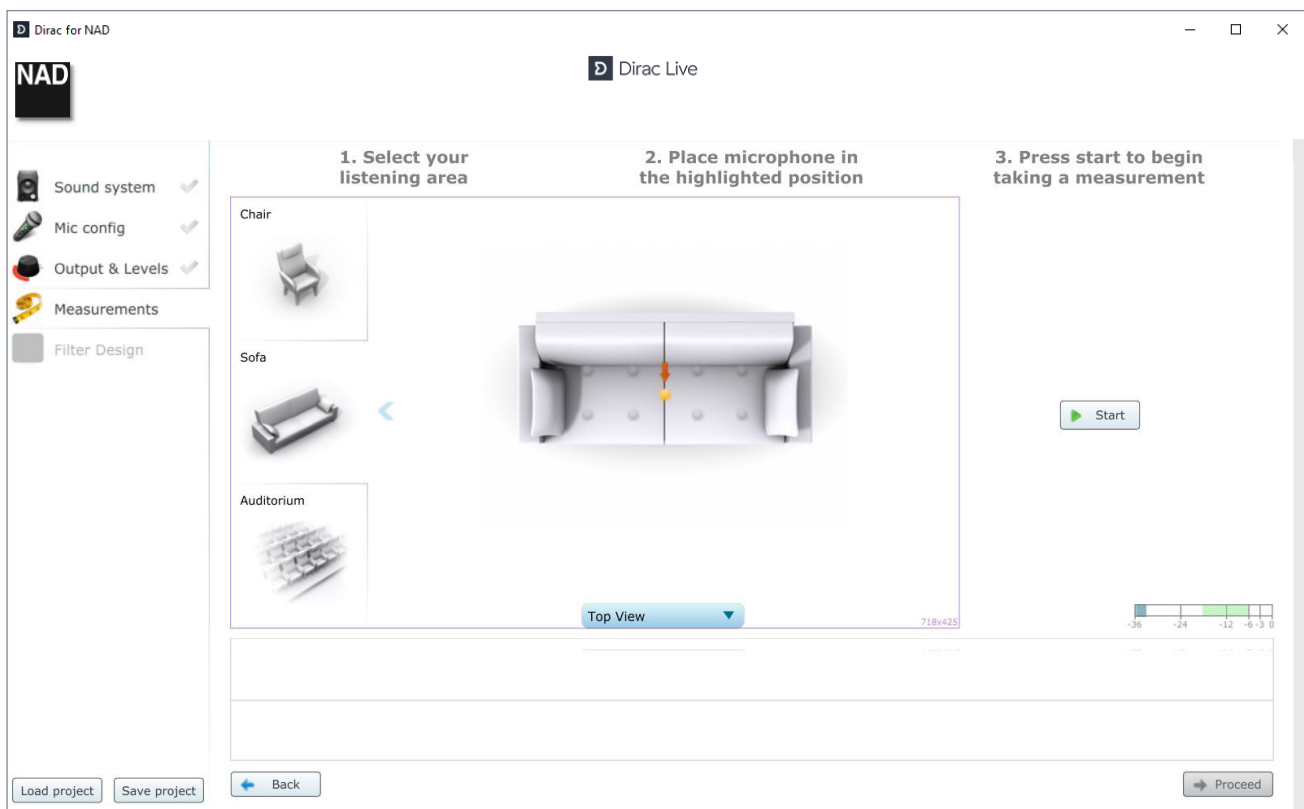
- Optimizes impulse response and frequency response (mixed-phase) in multiple positions
- 96 KHz / 24 bit support
- Compatible with Windows 7, 8, Vista, 10 as well as OS X 10.7 - 10.11
- Improves the imaging of your sound system
- Improves the clarity of the music
- Makes voices more intelligible
- Produces a tighter bass
- Reduces listening fatigue
- Improves the timbre, removes resonances and room modes
- Reduces early reflections
- Mixed-phase filtering for maximum performance and time domain control
- High-resolution filters through a proprietary filter structure with low computational requirements

How it works – in 3 steps

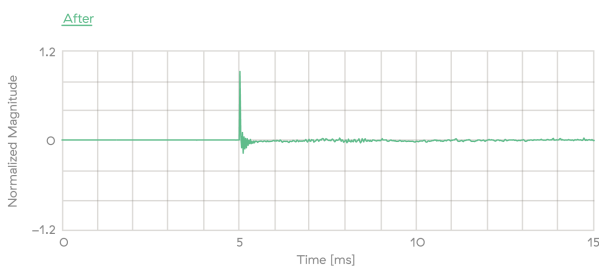
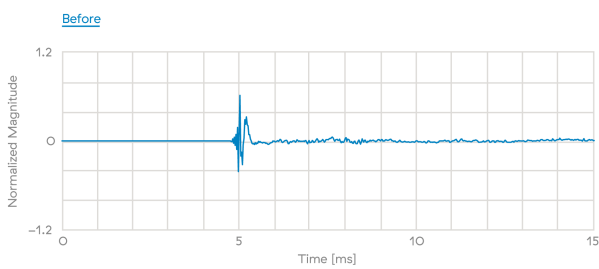
It takes approximately **15 minutes** to calibrate your room with the Dirac Live Calibration Tool™ software. No matter if you are an advanced user or a beginner there is an option for you.

Step (1) - 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.

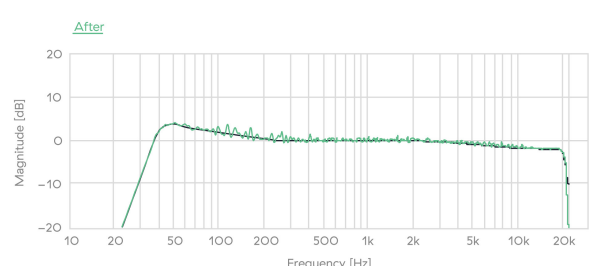
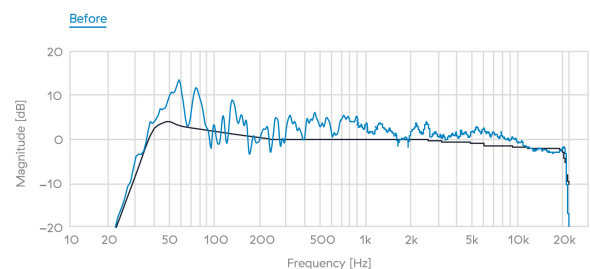
Step (2) - Measurements are taken in 9 different positions to provide the best results over the entire listening area.

Step (3) - The speakers and room are optimized 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.



Impulse response before and after Dirac Live Correction



Frequency response before and after Dirac Live Correction

Your Hi-Fi system is now tuned to perfection!



Dirac is a world-renowned audio technology company on a mission to invent the future of sound. Dirac's team of engineers and scientists deliver optimized sound solutions for mobile, automotive, residential and commercial environments through inspired innovation and a keen sense of evolving market trends and demands. Dirac's digital sound optimization technologies have been adopted by some of the most respected and recognizable electronics manufacturers spanning the globe, achieving dramatically improved sound quality and a shortened time-to-market. Dirac Research maintains its headquarters in Sweden and has representatives in Japan, USA, Korea, Germany and China. For more information, visit www.dirac.com

