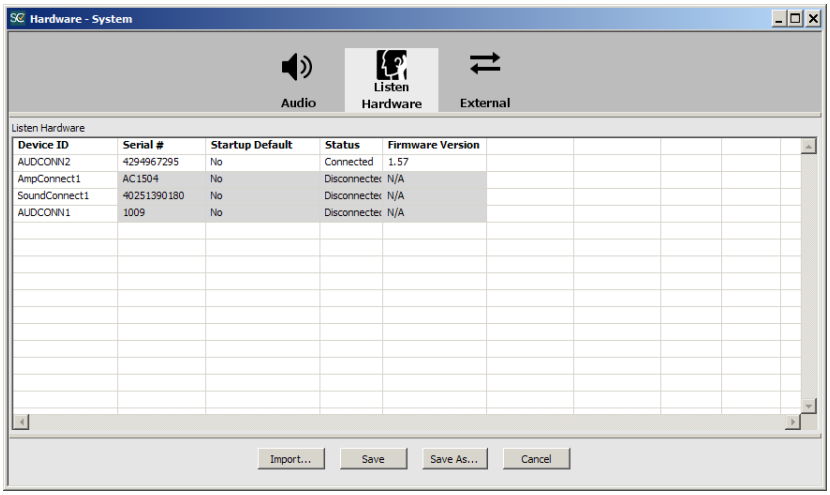
Listen

Product Information

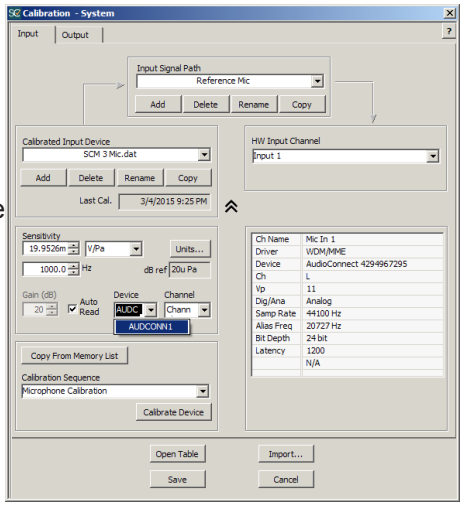
SoundCheck™ 14 & 14.1 New Features

SoundCheck 14's release continues the evolution of the simpler, more intuitive user interface started in SoundCheck 13. In this release, hardware has been tightly integrated with the software for easier setup and calibration. Version 14 also marks our first version of the software for OS X.



Listen Hardware Integration

SoundCheck 14 provides seamless integration with Listen's expanding line of hardware products including AmpConnect, DC Connect, SoundConnect 2 and AudioConnect. Simply connect one of these devices to the system via USB, and SoundCheck automatically detects it and configures all necessary settings, including calibration. This makes the initial system setup quick and easy, even for novice users and non-technical personnel. All Listen hardware products, as well as the Portland Tool & Die BTC-4148 Bluetooth interface can now be directly controlled from within the software, enabling them to be changed as part of a sequence.

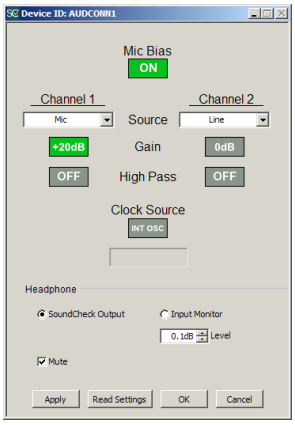


Hardware Editor Improvement

The hardware editor has been completely overhauled to make it simpler to use. A clear table-structure view makes it easy to see and understand all configured devices at a glance. A new 'Auto' mode allows SoundCheck to detect and maintain any Listen audio interfaces so that most users will never even have to open the hardware editor or modify hardware settings.

Calibration - Input Gain

Calibration input sensitivity has now been divided into two parts: sensitivity of the transducer and preamplifier gain. This allows the user to change the gain of the preamp to optimize the dynamic range of the system without needing to re-calibrate the microphone. Additionally, this gain value can be automatically read and updated from Listen hardware such as AmpConnect, SoundConnect 2 and AudioConnect. This automatic mode allows the user to modify preamplifier gains as necessary for different applications while maintaining a fully calibrated signal path.



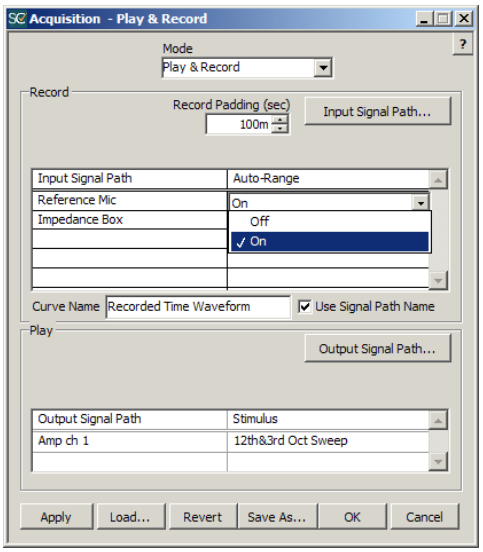
Auto-ranging

The new auto-ranging feature allows customers using Listen hardware to automatically adjust the microphone preamplifier gain in order to optimize the dynamic range of the test. When auto-ranging is enabled in an acquisition step, SoundCheck will monitor the digital headroom of the audio interface and if necessary increase or decrease the preamp gain, selecting the optimal setting for maximum signal to noise ratio. If a change to the gain is made the acquisition step runs again with the new settings.

SoundCheck™ 14 & 14.1 New Features (cont.)

New Search Range Interface

Many post processing operations in SoundCheck have a search range, which allows the user to select discrete points or ranges along the x-axis over which to perform the desired calculation. Examples include scalar functions such as average, max and min, as well as windowing, intersection, and more. The SoundCheck 14 version of the search range has been completely updated, and now uses a very simple table control and for the first time allows memory list values to be selected. This means that search range parameters can be variables that are dynamically calculated by the sequence.



Setup Wizard Enhancements

The Setup Wizard, first introduced in SoundCheck 12 to help users configure new systems and upgrade from existing versions, receives significant changes and improvements in SoundCheck 14. Users are now presented with a menu of choices as to which section of the wizard they would like to run (load status.dat, import settings, update sequences, setup new hardware). The new format allows users the flexibility to run only portions of the wizard as well as to re-run the utilities as they wish. Current SoundCheck customers will benefit from the more powerful capabilities the new wizard offers for updating existing sequences.

SoundCheck for OS X

SoundCheck 14 is the first version of the software made available for use on the Macintosh OS. Mac users with Mavericks or Yosemite versions of OS X are now able to run SoundCheck as a native 64-bit application. Sequences, steps, and data files are cross compatible between the Windows and Mac versions, providing versatility when collaborating with other SoundCheck users. Core audio driver support is included, allowing the same hardware to be used on both operating systems.

