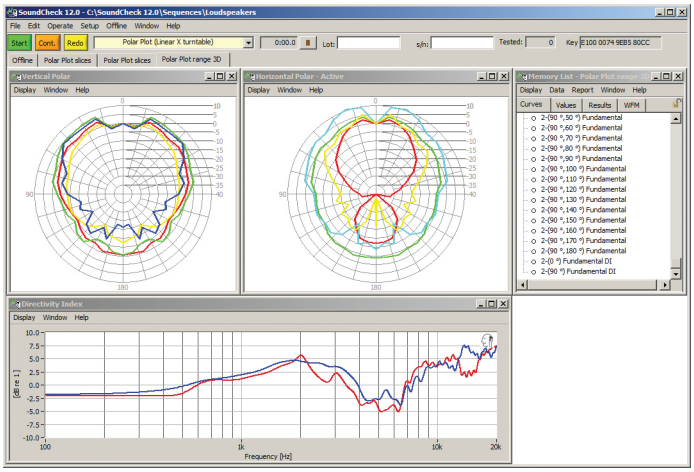
SoundCheck® 12.0 New Features

SoundCheck 12.0 new features offer advantages to both new and established SoundCheck users. Many center around ease of use, sharing sequences and offline data processing – features requested by many of our customers. Others, such as the statistics enhancements, increase the software's capabilities.

New Tabs for display steps

A new set of tabs below the SoundCheck tool bar allows a user to quickly switch between display steps when viewing sequence results. There is an 'offline' tab, plus tabs for each display step in the sequence. The user can easily switch between data views, or back to the 'offline' tab, which is always present, even outside of a sequence. In the 'offline' tab, data can be examined or analyzed without affecting the layout of the display outputs from the sequence. When a display step tab is selected, the user can view or edit the display for that step. New right click controls also provide easy access to display editor functions. This new feature benefits anyone developing complex test sequences, and saves time when writing reports.



New Tabs for Display Steps

Single File Sequences

All parameters related to an automated test script are now stored in the sequence file. This simplifies sequence management and updating as only a single .SQC file is needed, even where multiple files are used in a sequence. Parameters are also now localized to the test sequence, to eliminate the risk of accidentally changing other sequences while editing. These changes benefit all users, particularly those who share sequences between systems and facilities.

Relative File Paths

File path controls in a sequence step can now be set relative to the folder path of the sequence itself. This is useful when sharing sequences with other SoundCheck users and locations, as it makes it easy to move the sequence and all of its related files (recalled DAT files, WAV file stimuli, etc.) from one place to another. The relative path can even include sub-folders.

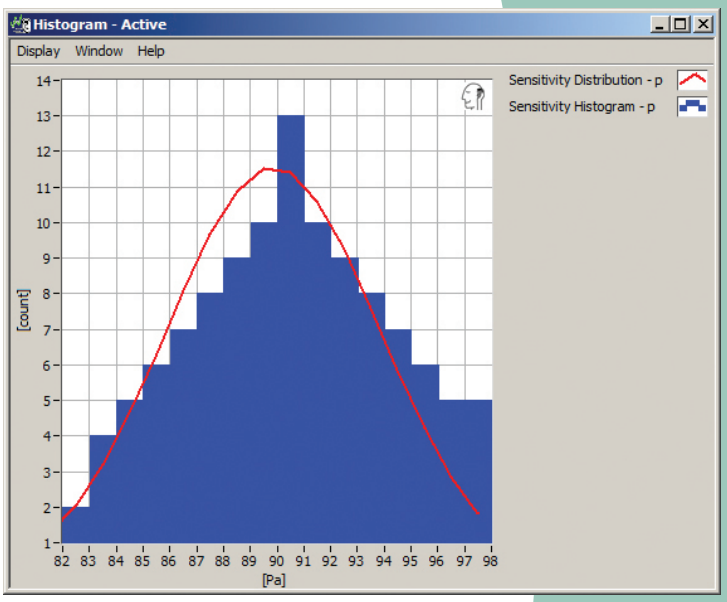
New Offline Setting

The new offline setting for SoundCheck enables users to open, process, and view data without loading a test sequence. This minimizes the risk of accidentally editing test scripts. In this mode, virtual instruments such as the signal generator, multimeter etc. can also be used. This is especially useful to customers who view data on a regular basis, for example, development engineers who run a series of experiments and then post-process the data or production engineers who need to view large sets of data from the factory.

SoundCheck® 12.0 New Features (cont.)

Statistics Enhancements

Several features have been added to the statistics step, mostly in the offline mode. A new Histogram option enables numerical results data from a batch of products to be plotted on a histogram and a bell curve fitted. This is valuable for analysis of production line data, for example plotting a histogram of the sensitivity of a batch of loudspeakers. A new axis selector on the best/worst fit to average and histogram functions enables user-selection of the axis on which statistical analysis is performed, for example phase or magnitude. Usability has also been improved; the data selection list is now separated into curves and values, and within each category items are ordered according to the user's memory list preference (sequence order or alphabetical order). The display name for the statistical data that is output to the memory list is also user-customizable.



New Histogram Option in Statistics

SoundMap Fully Integrated

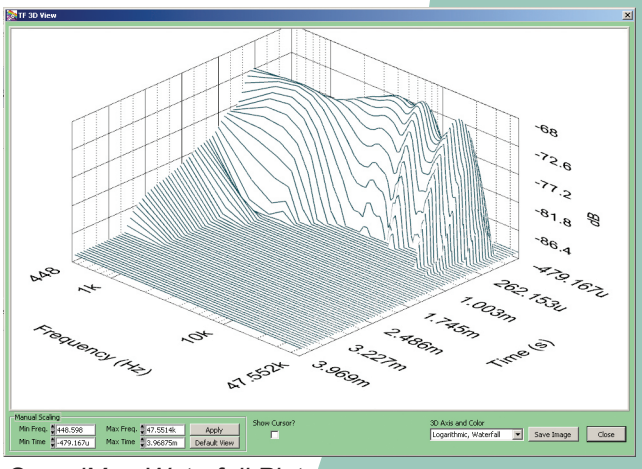
The SoundMap application for time frequency analysis is now integrated into SoundCheck as an offline processing option with the ability to directly access waveforms from the memory list. Customers who have purchased SoundMap as a stand-alone application will have this module added to their status.dat files, which will unlock the feature in SoundCheck.

Upgrade and Setup Wizard

A new upgrade and setup wizard makes it faster to set up a new system or upgrade from a previous version. For new users, it offers tools to assist with hardware setup and inputting appropriate settings. For upgrading users, it simplifies the process of bringing over preferences, hardware and calibration settings, and sequences from an older version.

Save 24-bit WAV Files

When saving WAV files from the memory list or via autosave the user can now choose the bit depth for the file, including 8, 16, and 24 bits.



SoundMap Waterfall Plot