

SOUND POWER SYSTEM™

Version 1.1

The Sound Power System Release Notes explain compatibility with earlier versions, installation, new features in the current version, and any known issues which might affect performance of the current version. Refer to the following documents for more information about the Sound Power System:

- *Sound Power System Operator Manual*
- *Sound Power System Help*, select **Help»Show Help**

System Requirements

The following requirements are new system requirements for Sound Power System 1.1:

- Real-time octave analyzer software 1.11 or later
- NI-DAQ 6.9

Refer to Chapter 1, *Overview of the Sound Power System*, of the *Sound Power System Operator Manual* for more information about the minimum system requirements needed to run the Sound Power System.

Compatibility with Earlier Versions

Sound Power System 1.1 uses your existing Sound Power System data files and configuration files, making it completely compatible with version 1.0.

Installation

If you are upgrading from an earlier version of the Sound Power System to version 1.1, you do not have to uninstall your earlier version before installing version 1.1. You also do not have to reconfigure the Sound Power System. Refer to Chapter 2, *Installation and Configuration*, in the *Sound Power System Operator Manual* for complete installation instructions.

What's New in Version 1.1

Sound Power System 1.1 includes the following changes:

- Sound Power System 1.1 supports the Norsonic 834 multiplexer.
- You now can specify the calibration level (dB) to one decimal place when configuring microphone calibration. Refer to Chapter 4, *Calibrate Your Microphones*, of the *Sound Power System Operator Manual* for more information about microphone calibration.
- During the microphone auto-calibration routine, Sound Power System 1.1 waits 6 seconds after a calibration tone is found before starting the calibration. This 3 second increase in waiting time achieves better calibration stability. Refer to Chapter 4, *Calibrate Your Microphones*, of the *Sound Power System Operator Manual* for more information about microphone calibration.
- In Sound Power System 1.0, if you did not select Operator 1 and Bystander 1 in the **Sound Pressure Level Measurement Configuration** data window, an incorrect Position list would sometimes be displayed in the **Prominent Tone FFT Analysis** data window. This behavior has been corrected in version 1.1.
- During sound pressure measurement in Sound Power System 1.0, the A-weighted Impulsive SPL measurement in the **Real Time Analyzer (RTA)** display window was returned as the instantaneous impulse level instead of the average impulse level. Version 1.1 returns the average impulse level. Refer to Chapter 1, *Overview of the Sound Power System*, of the *Sound Power System Operator Manual* for more information about the **RTA** display window.
- In the Boards section of the **Data Acquisition Board Configuration** data window, the Channels, Type, and Name displays update when a new board is selected in multiple-board systems.

Known Issue

This issue only applies to the source code version of Sound Power System 1.1. The Sound Power System routine for exporting data to Microsoft Excel uses the ActiveX automation capabilities of Excel 97. You must install Excel 97 in order to run source code and build executables. You cannot run source code and build executables with Excel 2000. However, executables built with Excel 97 work properly with Excel 2000.



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