Norsonic

RELEASE NOTE

Nor145/150 version 6.0.2920

This release introduces support for the latest building acoustics standards, increased measurement flexibility, and several usability enhancements across the Nor145 and Nor150 platforms. Updates include improved reverberation-time configuration, many bugfixes, and additional features in the Basic/Light version

Features and changes

Expanded functionality in the Basic version

Several features previously reserved for higher software levels are now available in the Basic/Light version. The following features that are added are

- L(t) view
- User-defined markers
- Pre-trigger audio recording
- Voice notes

ISO 16032:2024

ISO 16032:2024 has been added to the Building Acoustics application. This standard is now fully supported on both the meter and in Nor850.

Updated ASTM standards for Field Testing

Several ASTM standards has been updated to newer publication dates

- ASTM E336-24
- ASTM E1007-21
- ASTM E413-22

In addition to the newer publication dates, the ASTM E336-24 has seen edits. We now report the A2, absorption, as noted in section 13.4.2.2.
FTL/FSTC calculation have been removed, and we have added support for several source positions.

SS 25267:2024 now inlucde LnT,w,25

Added support for Appendix A and the LnT,w,25 evaluation parameter inside the SS 25267:2024 standard.

Measurement Value for Event Markers

Event markers uploaded to **NorCloud** now include the measured value corresponding to the marked period.

Bandwidth Selection for Reverberation

Reverberation time measurements can now be configured for either 1/1-octave or 1/3-octave analysis without requireing the Building Acoustics application option.

API support

API now support both audio streaming and handling data from 2 channels.

Bach-erase range to minimum 0 seconds

The ***Back-erase time*** for Pause/Continue in Building Acoustics and the Intensity application is now selectable down to 0 seconds.

Bugfixes

Corrected WAV File Compatibility

Fixed an issue where audio recordings could contain an incorrect RIFF chunk size. Audio files are now fully compatible with media players that rely on this information for playback.

Improved Measurement Recovery After SD Card Removal

Fixed an issue where an ongoing measurement was not always recovered correctly after an SD card was removed and the instrument restarted.

Improved STIPA Signal Detection

The STIPA function now correctly indicates when no excitation signal is detected in very quiet environments, improving consistency with previous instrument generations.

Prevented Loss of Measurements in Standard Menu

Fixed an issue where a completed Building Acoustics measurement could be lost after entering and exiting the Standard menu without making changes.

Corrected SIA Impact Sound Configuration

Fixed an issue where the SIA impact sound standard did not include support for multiple source positions.

Correct Display of C and Ctr Adaptation Terms

Fixed an issue where C and Ctr adaptation terms were not always displayed correctly when using a limited frequency range.

Restored NoData Alarm Notifications in NorCloud

Fixed an issue that prevented **NoData** alarms from being transmitted to NorCloud when the **NoData** alarm option was enabled.

Improved NorCloud File Transfer Reliabilit

Resolved a potential file transfer conflict that could occur when multiple file transfers were active simultaneously.

Corrected Autosave Function in Sound Intensity

Fixed an issue where Autosave was triggered when using the physical button, but not when confirming with the on-screen OK softkey.

Improved Evaluation License Handling

Fixed an issue that could prevent evaluation licenses from operating correctly when SLM_lock was enabled.

Removed Non-Functional Signal Generator Option

Removed the ”Band Pass Pink” signal option from the signal generator menu, as it produced the same output as standard Pink Noise.