



Noise Studio release notes

Revision Number	Date	Notes
Rev. 9.60	25/03/2024	Corrected inability to enter discontinuous plant measurements in absence of tag in NS3 module. Corrected date/time truncation in export to Excel.
Rev. 9.58	27/11/2023	Corrections in sound insulation module and machine sheet.
Rev. 9.57	27/03/2023	Updated list of microphones. Correction of sonogram time scale with 500 ms spectra step. Correction of time interval used for day-night period subdivision.
Rev. 9.56	08/02/2023	The saved file with downloaded reverbs could not be opened.
Rev. 9.55	18/01/2023	Correction of "O" option management in the configuration window. Correction of truncated data in "dl5" file containing reverbs without third octaves.
Rev. 9.54	15/11/2022	FFT export also of other instants in addition to the current spectrum.
Rev. 9.52	05/08/2022	Correction of 8k frequency missing detection in Single-Octave report.
Rev. 9.50	20/05/2022	Correction of absolute emission limit values for class VI in the environmental noise module.
Rev. 9.48	03/05/2022	Correction of minor bug when viewing dl5 files.
Rev. 9.47	02/03/2022	Correction of minor bug when connecting the instrument.
Rev. 9.46	16/02/2022	Added the possibility to set the spectrum "FAST" in the combo box "Average" for the remote station.
Rev. 9.45	31/01/2022	Correction of the report timing visualization.
Rev. 9.44	10/01/2022	Correction of NS1 module lock when entering machine sheets. Optimized the management of the "dl5" files generated by the acoustic station.
Rev. 9.43	20/09/2021	Optimized the environmental parameters configuration window (acoustic stations).
Rev. 9.41	30/08/2021	Correction of NS3 module lock after pressing the "Save" button. Correction of the weekly exposure (Vibrations) visualization. Correction of the labels alignment in the environmental conditions plot.



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Rev. 9.33	18/09/2020	<p>Correction of the FFT calculation for vibrations. Display of data in table format.</p> <p>Bug fix: opening a 5-channel SLM trace and then a spectrum (1 channel), reopening SLM only 1 channel is displayed, resulting in a malfunction in multiple export to XLS.</p> <p>Changing of the multiple export from one measure to XLS: now all screens are closed, avoiding the "too many screens open" warning.</p> <p>Amplitude correction of LAeq U calculation for spectra.</p> <p>NS1 bug fix: inserting a track with a name identical to another worker, the existing track was lost.</p> <p>Correction of the construction of the graph.</p> <p>Correction of the display of exposure times for the vibration part in the weekly summary in NS1.</p>
Rev. 9.32	03/08/2020	<p>Correction of the "combo box" selection index in the statistical export for NS1.</p> <p>Correction of notes field for sections that have opening and closing but are without data.</p> <p>Multiple CSV export implementation for all sections in a VIB file.</p> <p>Various corrections of the translation of the strings into the different languages.</p>
Rev. 9.31	25/02/2020	<p>Correction of the printing of the worker protection from vibrations weekly summary.</p> <p>Importing measures without SLM in NS1 caused an application crash. Now the data verification is performed and the user is notified that some measures do not have SLM.</p> <p>Correction in NS1 of the import and display of measures relating to a worker with a machine.</p> <p>Invalid argument correction when saving a machine graph after editing it in NS1.</p> <p>Correction of display error of the first FFT sample.</p> <p>Correction of the reading algorithm of the dl5 file header for the recovery of the instrument model.</p> <p>Correction of C1am calculation with total LEX contribution.</p> <p>Corrections of the approximations of the propagated uncertainties for Lex8h. Noise type settings opening lock for measurements calculated as average in the average properties screen: the uncertainties relating to the type of measurement set for the selected machine are loaded.</p> <p>Correction of the string that notifies that a measure is used for a particular worker.</p> <p>Association of vib files opening with the application.</p> <p>Fixed bug when saving incomplete sections.</p> <p>Implementation of machine information saving (name, model, serial and description) for vibrations.</p> <p>Correction of display of exposure times of HA DX, HA SX, WB for the days of the week.</p> <p>NS1, worker sheet: correction of the display of the notes associated with the days and the summary week.</p>
Rev. 9.30	20/12/2019	<p>Correction of automatic opening of files with only one selection with a SINGLE recording.</p> <p>Correction of files saving.</p>



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Rev. 9.29	16/12/2019	<p>Implementation of new algorithm for counting sections and records for dl5 files. Damaged sections are closed properly for information retrieval.</p> <p>Verification of the state machine traversed during file analysis.</p> <p>Management of the DL5 file header (sound level meter model, serial number and noise studio creation version).</p> <p>Introduced software destination mode string (DEV/REL).</p> <p>Correction of opening statistics of events.</p> <p>Correction of string displayed on the cursor over the statistic chart.</p> <p>Correction of days names label in NS4.</p> <p>Correction of wrong value display for the first measurement of the second channel in the vibrometer file management (*.VIB).</p> <p>Correction of labels with the word Vsum and Vmax in the "view measurements" interface in the opening of the vibrometer files (*.VIB).</p>
Rev. 9.28	13/11/2019	<p>Correction of maximum pulse count/hour in NS5.</p> <p>Correction of timestamp in the statistical graphs in NS5 pulse analysis.</p> <p>Modification of remote stations monitor because the first station of the list is not selected.</p> <p>Corrected uploading path of file "Model.wrk" for the pattern.</p> <p>Solved crash when from inside the index the reverberation time is calculated through the appropriate button.</p> <p>Modification of workers importing management from csv file.</p> <p>Workers removal management from removal interface, workspace and registry.</p>
Rev. 9.27	17/10/2019	<p>Instrument options can be both upper and lower case.</p> <p>Translated some strings in the available languages.</p>
Rev. 9.26	07/10/2019	<p>Corrected updating of instrument options.</p> <p>Solved crash when zooming pulses in NS5.</p> <p>Correction of minimum spectral interval in searching tonal components.</p> <p>Corrected data uploading from "Model.wrk".</p> <p>Corrected Leq recalculation in NS4.</p>
Rev. 9.25	26/09/2019	<p>Fixing of the graphs sizing in the reverberation time calculation interface.</p> <p>Solved crash when adding machines to the worker sheet.</p> <p>Modification of index tab for updating the list of workers in case of adding missing workers.</p> <p>Solved a bug when removing a PPD from a machine.</p> <p>Change the method for removing files from the project to fix a bug causing not allowed items to be deleted from the project.</p> <p>Corrected anomalies inherent the grouping of workers in NS1 analysis, recompaction and elimination of groups that no longer have associated workers.</p> <p>Correction of anomalies inherent to the visualization of PPD effective level if there is no PPD associated with a worker in analysis.</p> <p>Fixed anomaly in the weekly calculation of the worker exposure level based on the base of the set sources.</p>



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Rev. 9.24	16/09/2019	Bug fixing
Rev. 9.23	04/09/2019	Updated NS3 for ISO16283 standard. New interface for façade insulation calculation and impact calculation. Updated Excel reports.
Rev. 9.22	25/07/2019	Bug fixing
Rev. 9.20	27/05/2019	Bug fixing
Rev. 9.14	29/01/2019	Added further configuration parameters to search for tonal components.