

## RELEASE NOTE

# Version 6.0 Nor145/Nor150

Software version 6.0 adds more than 20 new features and improvements to the Nor145 / Nor150

## News Environmental / General mode

### Pre-weighting

This update introduces A or C pre-weighting before the octave band (OB) filters, addressing requirements from standards like IEC 61400-11 ed3 for wind turbine noise measurements.

#### Key Details:

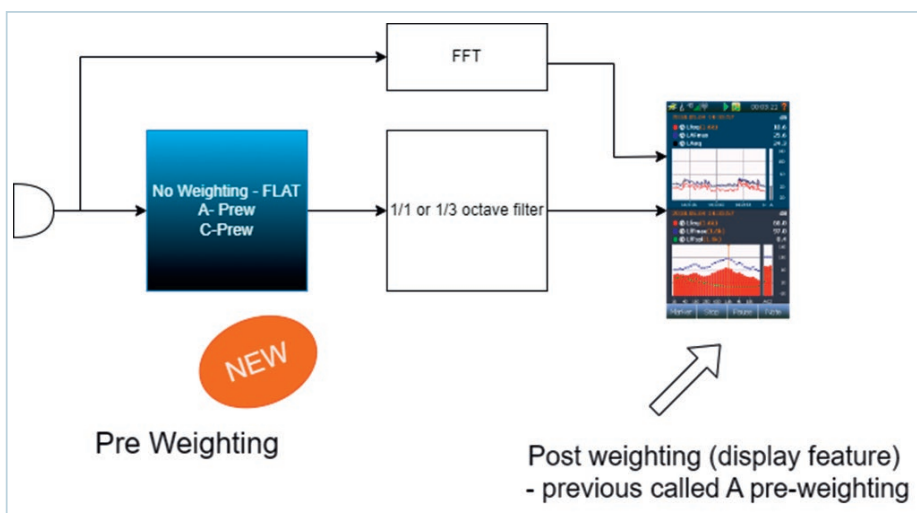
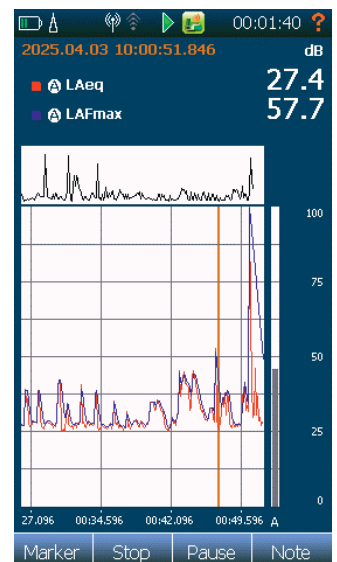
- Pre-weighting configuration: Found in Setup > Measurement > Frequency > Prewighted Filter.
- Default setting: Flat (No weighting).
- Pre-weighting applies before the octave band filtering but does not affect FFT calculations.

Additionally, the old A-preweighting function has been renamed to post-weighting. Unlike pre-weighting, post-weighting is a display-only feature, configurable via the context-sensitive menu and does not alter stored measurement values.

### Marker Reaction Time Feature

A Marker Reaction Time feature has been implemented, similar to Nor850. This is configurable in the Setup > Markers > Marker Properties menu, allowing you to set a time span between 0 and 10 seconds.

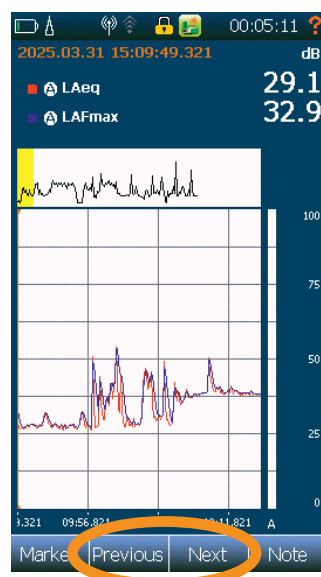
This feature adds a delay to the moving cursor, defining the start point of the marker. It helps reduce stress during attended measurements by giving the user more time to apply markers accurately.



## New Next/Previous Feature for Recalling Measurements

A Next/Previous feature has been added to simplify the recall of measurement files. Once a measurement is recalled, soft keys for Previous and Next appear in the soft key line, allowing for quick navigation between measurements.

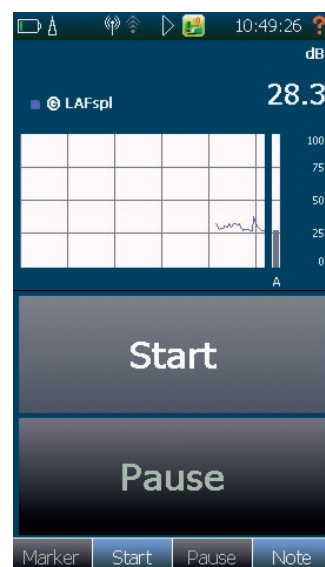
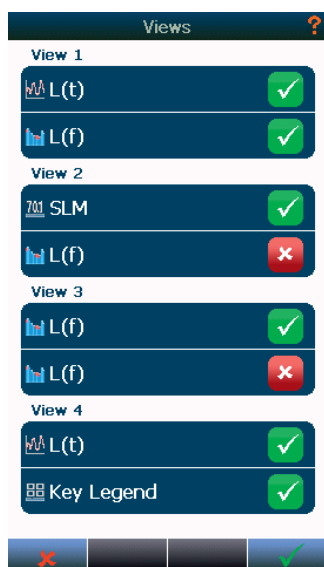
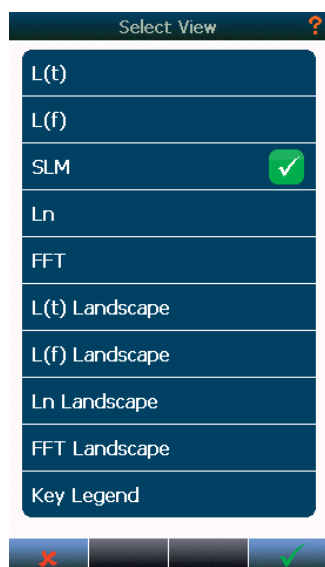
This enhancement improves workflow efficiency by enabling seamless access to sequential measurement files.



## Soft keys legend for one-hand operation.

A Soft Key Legend feature is available in the Display View settings, allowing for easy start, pause, and resume control of measurements. This is particularly useful for one-hand operation of the instrument, improving convenience and efficiency.

To enable this feature, navigate to Setup → Views → Display View Settings and activate the Key Legend.



## Dual Channel Audio Recording, now available in Nor150

We are pleased to announce that dual-channel audio recording is now available in Nor150, also at full fidelity (48kHz-24bit). However, some precautions should be taken to prevent system overload at 48kHz – 24 bit, as we cannot guarantee 24/7 trouble-free operation.

To ensure optimal performance, we recommend:

- Setting the display to Single SLM view
- Limiting measurement parameters to a minimum
- Using high-quality, fresh SD cards

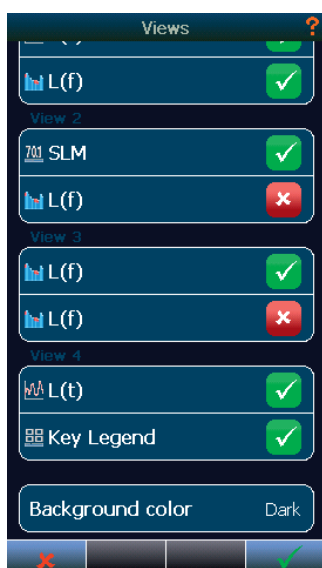
This feature was introduced in response to requests from research institutes, enabling dual-channel analysis of recorded data. In such cases, measured parameters are less critical since the data will be used for further signal analysis.

## Period length for Moving

The moving report can now be set to a period length down to 1 second. It was previously limited to 1 minute.

## A Dark/Inverse color skin option has been added to improve visibility in certain conditions.

The skin setup (Light –default or Dark) Found at the bottom of the Setup > View menu. Cf figure below. The setting applies to all mode, but cannot be configured in BA mode since the View menu is not available in this mode.



## Emergence noise calculations

This is a bespoke feature developed for the French market. Available as an option and is not visible if the option is not enabled.

## Building Acoustic Mode.

### New standards for Service equipment are added

- ISO 10052
- ISO 16032

### Repetitive RT measurements.

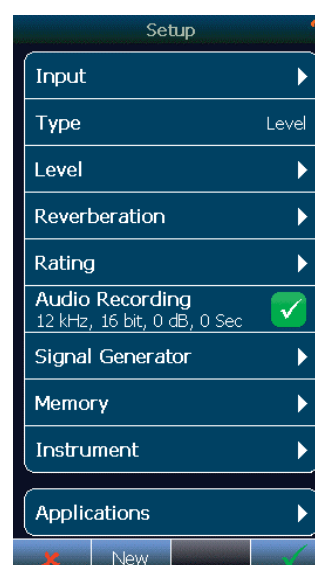
This new feature allows up to 20 repetitive RT measurements, configurable with a 0 to 20 second delay between each measurement. Menu path is Setup> Reverberation> Repetitions



### Bigger font size in BA project view for better visibility

### Japanese BA standard is added

### Audio recordings are added in parallel with BA measurements.



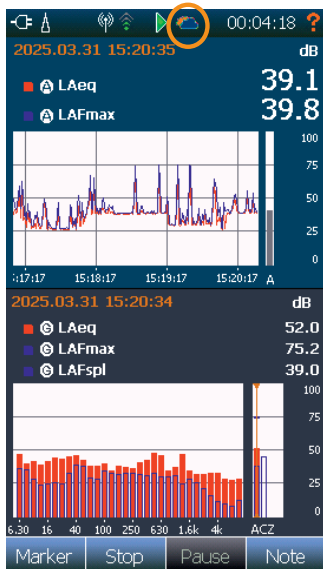
## Sound Intensity Mode

- It is possible to add a “not predefined” Sound Intensity probe (Also available in later bf version 5)
- Auto save on Accept feature is added.

## New features for NorCloud

Some of the features will be available in future versions of NorCloud.

- Separate power settings for NorCloud. This means that the time it takes to revert from a measurement picture back to “NorCloud connected” picture is extended to 10 minutes.
- Support for calculated networks.
- Frequency spectrum added for profile B (available only in NorCloud)
- Misc NorCloud communication refinements. These refinements are also added in V4 and V5.
- The status bar in the measurement display shows a NorCloud icon instead of Environmental mode icon when successfully connected to NorCloud.



## Miscellaneous

- Japanese, Korean and Swedish language is added.
- Rion UC-59 and Nor1239 are added as predefined sensors (Also available in the later bf version 5)
- Added GUI for DNS settings in the LAN setup
- WiFi is available independent of options as a part of the new option structure.
- It is possible to save and recall a complete instrument setup including transducer settings etc. Mainly used for service purposes.
- Misc bug fixes.

## Detailed version numbers are:

### Nor145:

App\_6.0.1531.145  
SP\_6.0.0.145  
Japanesefonts.145  
Koreanfonts.145

### Nor150:

App\_6.0.1531.150  
SP\_6.0.0.150  
Japanesefonts.150  
Koreanfonts.150

Version 6 is a paid upgrade – please contact your local Norsonic distributor for further details.

Nor145/Nor150 units connected to NorCloud with the SLM block function will receive this update free of charge via NorCloud.