What's new in ACQUA 6.1.110

Significant changes since 6.1.100

The release of ACQUA 6.1.110 includes the newest *lab*CORE firmware 3.9.2. Full functionality of all features requires the installation of this firmware.

New features

Hardware

ViBRIDGE

> The delay resulting from using linear phase filters for the ViBRIDGE equalization is now compensated by applying the same delay to the other active channels.

> The check box for switching between linear phase filter and minimal phase filter has been removed. The linear phase filter will be always applied.
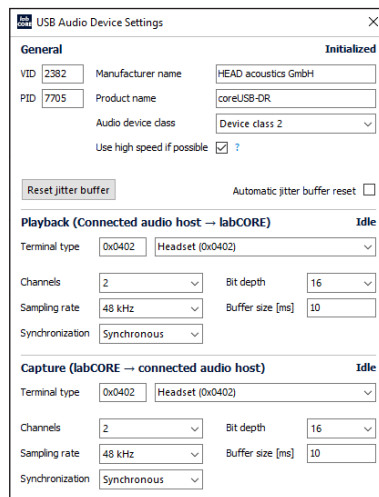
*lab*CORE

coreUSB-DR

> High speed mode connection available.

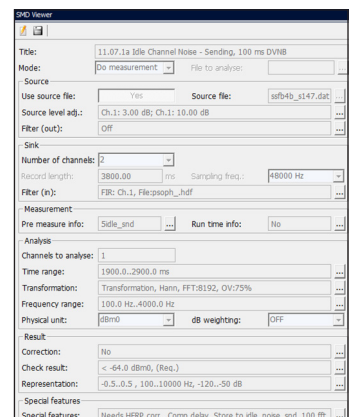> Synchronization modes for playback device and capture device.

FIR filter

> **FIR filter import**:
New feature **Spectrum calculator** for creating one filter file from multiple FFT files. There are various operations available for combining the FFT files such as addition, subtraction, calculating the average, as well as inverting the filter curve.

SMD Features

> SMD Delay (cross correlation): The reference channel can originate from the source file (without using **Show source**) or a reference file.

> When applying **Channel combination** from **Special features**: The result diagram displays all channels, not only the combined ones, if **Show comb. Channels** is selected.

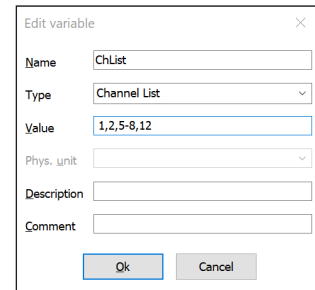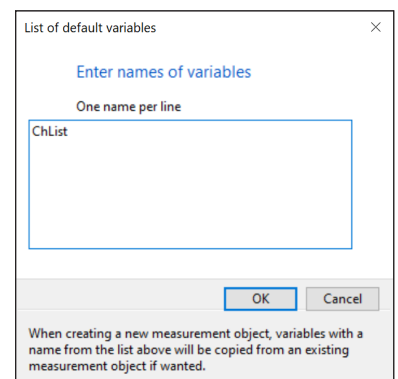> SMD editor view mode: Titles of active parameters are black, whereas titles of inactive parameters are grayed out.

Database/Report

> Report generator: Settings for generating a report can be organized and saved now.

Miscellaneous

> New variable type available: **Channel List**. The variable type represents a list of channels which has been determined by the user.

> Two parameters of the SMD editor accept a variable **Channel List**:

  – **Channels to analyze**

  – **Source level adjust** > **Level adjustment 1**

> When creating a new measurement object, **Default variables** can be copied from an existing measurement object to the new one. These **Default variables** can be determined via a list in **Menu bar** > **Project** > **Project Options** > **Edit List**. The action requires existing variables for the available measurement object(s) of the project.

> **Tree Filter** now optionally with RegEx, case sensitivity and "whole words".

> Result Diagram: **File Info** in **Context Menu** added, just like in ACQUAlyzer.

> move°S position is now included in single report.

Significant bugfixes

> Online analysis: Toolbar rescaled incorrectly when changing the screen.

> EQUEST TS 103 802: Error handling improved.

> Workplace settings: Applying unknown HATS types was not possible.

> Workplace settings import: Assertion failure fixed.

> Workplace settings import: Missing column in the database crashed the application.

> SMD Delay (cross): When using multi-channel, one result was missing.

> SMD Active speech level: When using the correction, the ACQUA project tree possibly displayed the wrong value.

> SMD correction: Issues with -INF resolved.

> On the settings page for the LC3plus codec for Bluetooth Classic profile A2DP, wrong frame duration values were displayed (values were displayed 100 times higher than the actual used values).

> HHP IV/HRT I/move°S: Control interface and progress bars cannot overlap anymore. The message 'Close dialog windows first' pops up possibly before starting the drive than before the measurement.

> Potential lagging of the user interface resolved.

> LEAP SMD can be created correctly.

> *lab*CORE Echo block: The Echo block sometimes had no output signal.

> Result files which are also used files will not be deleted anymore when the measurement object is set inactive.

> ACQUAlyzer SMD 3QUEST: Wrong designation of a single value (Deviation instead of Average).