

NEW BK CONNECT RELEASE

BK Connect 2025.1 has been released!

The installation package includes:

- ▶ BK Connect® 2025.1
- ▶ PULSE™ LabShop version 29.1
- ▶ PULSE™ Operational Modal Analysis version 8.0.1.7
- ▶ PULSE™ Source Path Contribution (SPC)
- ▶ Team Sharing (formerly Team Server)

To download, go to:

<https://www.hbkworld.com/en/products/support-resources/support-bksv/license-management>.



You can visit our [BK Connect/PULSE](#) page to discover more about the software.

Highlights in this release

The focus in this release was on improving test efficiency for the user: Enabling FFT parametric reference curves, simplifying the measurement interface, and streamlining validations in the Test-based Viewer, as well as adding value through other improvements and enhancements and significant bug-fixing. Keep reading to learn more about this release's highlights.

More information

Contact your HBK sales representative to find out more about product and solution information and maintenance offers.

General BK Connect

New in this release:

- Added support for Fusion-LN 12-channel module Type 3073 along with 12-channel front panel UB-2107-12 (51.2 kHz, SMB connectors).
- Added support for digital and analog tests of Fusion-LN modules in the Front-end Setup program.
- Improvements to user-defined reference curves
 - Added ability to create reference shock response spectra and reference order spectra.
 - Interpolation on reference curves is selectable using either Lin or Log.
- The BKC File Repository Editor now includes editing of metadata on BKC files in the file repository.

Features, updates and enhancements that were included with version 2025.0:

- Team Server has been renamed to Team Sharing to better describe the concept, remove the confusion about what is installed on your PC and emphasize the key benefit.
- Added import support of Hdf5 files from Tescia
- New web app for Team (File) Sharing
- Added reference curve types: CPB and order spectra
- Additional LAN switches are available to choose from in the Front-end Setup program (Synch Setup dialog), including PTPv2 switches for improved PTP synchronization.
- All import/export file formats available in Data Viewer Type 8400 license are now available in all applets.

BK Connect Data Processing

New in this release:

- New application, Repetitive Processing, is automatically available to those with a valid Data Processing license (Type 8403 or Type 8403-A).
- The Test-based Viewer display feature is extended with a cancel option in both the Fast and Standard displays to stop the display process if your selection includes too many files and signals and thereby takes a long time.

Features, updates and enhancements that were included with version 2025.0:

- New hot keys created for start, stop and reset in the Record and Process task.
- The displays in the Record and Process task improved with Test-based Viewer functionality.
- Added display types and display layouts to Test-based Viewer allowing you to quickly define how test results are displayed and compared

BK Connect HW Setup

Features, updates and enhancements that were included with version 2025.0:

- Generator fans shut-off automatically when measurement begins

BK Connect Data Viewer

Features, updates and enhancements since version 2025.0:

- Added cancel option with fast and standard displays to stop the display process if your selection includes too many files and signals and thereby takes a long time.

BK Connect Indoor Pass-by Suite

New in this release:

You can perform calculations according to the R41 ASEP standard (RD ASEP as described in R41rev2 Amend10 and later in Annex 7).

Features, updates and enhancements that were included with version 2025.0:

- Background noise correction and validation can be implemented as per R51 Annex 3 standard, including two new test groups:
 - Background noise before
 - Background noise after
- Added a 'toggle' button that allows you to show/hide background noise runs in measurement tasks
- In order to speed up processing, the Indoor Pass-by Set Up task now contains a slimmed-down version of the Test Plan, with only the most minimal of parameters for proper testing according to the standards
- Pass-by Calculations now include tyre noise calculations to enable a better and seamless support of tyre noise corrections

BK Connect Structural Dynamics Suite

New in this release:

Several enhancements have been implemented to increase performance and usability when performing large-channel modal surveys, such as Ground Vibration Testing (GVT) of aircraft.

- The enhancements have been aimed at stepped sine measurements, but many have an impact on structural measurements in general, as well as on other sound and vibration measurements.
- The enhancements cover everything from setup, initialization and data acquisition, to data processing, data display and persistence.

Features, updates and enhancements that were included with version 2025.0:

- The Results Mode subtask used in the Hammer, Shaker and Stepped Sine Setup and Measurement tasks has been revamped for a more user-friendly and efficient interface with stronger display capabilities as known from the Test-based Viewer task.
- Hot keys have been added to the most used buttons in the Measurement Control in the Hammer, Shaker and Stepped Sine Setup and Measurement tasks.
- A-weighting on sound pressure time signals is now also implemented for frequency spans below 1.6kHz in the Hammer and Shaker Setup and Measurement tasks.

BK Connect Array Analysis	General PULSE LabShop
<p data-bbox="209 412 735 470">Features, updates and enhancements that were included with version 2025.0:</p> <ul data-bbox="220 497 735 527" style="list-style-type: none"><li data-bbox="220 497 735 527">• Support for new Array Microphone Type 4957	<p data-bbox="805 412 1289 442">Across PULSE Labshop applications</p> <p data-bbox="805 470 1043 500">New in this release</p> <ul data-bbox="817 527 1415 1059" style="list-style-type: none"><li data-bbox="817 527 1415 619">• Added support for Fusion-LN 12-channel module Type 3073 along with 12-channel front panel UB-2107-12.<li data-bbox="817 646 1415 704">• Added support for digital and analog tests of Fusion-LN modules in the Front-end Setup program.<li data-bbox="817 732 1415 789">• Two new transducers added to the transducer database: Types 4989-A-001 and 4531-C-001.<li data-bbox="817 817 1415 974">• It is now possible to stop the Multibuffer at a specific index, which is defined through an index counter in the PULSE LabShop interface. An OLE interface has been created on the Multibuffer object as well.<li data-bbox="817 1002 1415 1059">• Simplified interface for waveform generator setup when using LAN-XI generator module. <p data-bbox="805 1087 1415 1144">Features, updates and enhancements that were included with version 29.0</p> <ul data-bbox="817 1172 1415 1585" style="list-style-type: none"><li data-bbox="817 1172 1415 1264">• Added CAN-FD support to the existing CANcard/CANbox solution in Labshop (CANLogger)<li data-bbox="817 1291 1415 1349">• Added support for CAN signals and CAN-FD signals from vector<li data-bbox="817 1376 1415 1434">• The Transducer Database has been updated with additional HBK-branded Dytran transducers<li data-bbox="817 1461 1415 1585">• Additional LAN switches are available to choose from in the Front-end Setup program (Synch Setup dialog), including PTPv2 switches for improved PTP synchronization.

PULSE Array Acoustics Suite

Features, updates and enhancements that were included with version 29.0

- Added support for Array Microphone Type 4957 in the Array Acoustics Measurement and Post-processing suite of applications.

PULSE Vehicle Pass-by

New in this release:

The Pass-by software has been updated in-line with latest R138 and US141 standards. This includes the following additions:

- It is possible to toggle the visibility of the State column of the Result table, in order to conform to indoor tests R138 and R13-02.
- The measurement time in Test mode is now user-definable, with a range from 5.0 to 20.0 seconds.

Features, updates and enhancements that were included with version 29.0

- Added support for R51 Revision 03 Amendment 10
- Added support for R117-04 Series Supplement 2
- Added support for ISO/DIS 16254:2023
- Implementation of UN Regulation 138 Rev. 2 extended:
 - Max Hold Spectrum is displayed for both sides in stead of the lower one
 - A pair of microphones, instead of groups (2 × 5) of microphones, is enough to run the measurement.
 - It is possible to work without engine speed signal in Standard mode.
 - In addition to the standard forward 10k, forward 20k, reverse 6k, and reverse standstill, it is possible to add additional conditions with user-defined speeds.

Other PULSE Applications

New in this release:

- In the directivity measurements interface, you can enable setup of Turntable Type 9640 via a web interface.
- In PULSE Sound Power, if a reference sound source (RSS) has been chosen for environmental correction, modification of K2 values are now disabled.

Features, updates and enhancements with version 29.0

- PULSE Sound Power: In the Directive 2000-14 template, using a parallelepiped geometry, it is now possible to enter a user-defined measurement distance
- PULSE Array Acoustics Suite: Support for Array Microphone Type 4957 in Acoustic Test Consultant

PULSE Operational Modal Analysis

New in this release

- Enhancements have been implemented from more flexible and faster workflow to improved algorithms.

For a detailed history of enhancements and bug fixes please look in the Version History in the PULSE OMA Help system. The latest Help system can be download from Preferences > Help in the Start menu.