

CYPHER® V1.2 Release Notes

Release date: May 15th, 2026

Build version: v1.2

Cloud-based Licensing System

This software is now activated through a cloud-based licensing system. Please contact your Eddyfi Technologies sales representative to learn how to access this latest version.

New Features

- System performance verification (Customer Success Program at STD level required)
 - Three-clicks wizard to check the instrument integrity in less than 90s
 - Report saved as PDF in the Cypher
 - Refer to SPV user guide for more information
- New Calibration Tools
 - Element check: detect failed elements to be deactivated or activated
 - TCG manual: automatic detection between cursors or manual definition of the TCG points
- Detection of the equipment (probe and scanner) connected on the Cypher
 - A “Detect” button reads the chip included in the probes and scanners produced by Eddyfi or Zetec
- Complete TOFD analysis toolbox
 - Timebase adjustments using cursors
 - Lateral wave straightening and removal
 - SAFT processing
- Online Cypher update
 - Notification displayed on connected Cypher if available on the cloud

Improvements

- Velocity calibration improvements (2 steps detection)
- Wedge check improvements (approve a wedge without applying the parameters)

- Ability to save the TCG calibration and to load a TCG calibration
- Probe offsets modification in analysis
- Customizable hardware buttons (F1, F2, F3) using the System option

Resolved Issues

Calibrations:

- **#5023:** Wrong gate displayed in ACS calibration tool
- **#4808:** Crash on datafile opening (customer reported)
- **#4550:** Keep Timebase & Gain coherency when accessing/exiting calibration tools

Home panel:

- **#4734:** Exception when opening customer setup
- **#4501:** Delete option does not refresh the directory instantly
- **#3942:** Cypher PC unable to change Active Folder

Setup Builder:

- **#4683 & #4711:** Probe model on dashboard not properly displayed
- **#3958 & #4713:** Probe Separation editable but not applied for DMA/DLA with Cylindrical geometry (Circular scan direction)

Acquisition:

- **#2801:** Differential gates not active (C-scan & info fields).
- **#5071:** Incorrect restriction on the Synchro gate location

System:

- **#2383:** First power-off after software update may fail (requires force reboot)

Known Issues & Remaining Anomalies

Calibrations:

- **#5231:** Duplicate a group does not necessarily duplicate the associated calibration

Wizard:

- **#5325, #5321 & #5317:** Replace a TOFD pair of probes with another probe may bring inconsistency in the scan plan view in the wizard
 - Workaround: If the configuration changes too much and 3D view is important, create a new setup from scratch.
- **#4442:** Paintbrush position must be validated before accessing Workspace. It may force the laws to be recomputed.
- **#5388:** Probes are not always automatically loaded when the detect button is clicked.

Home panel:

- **#1955:** Removing the USB drive during a file or folder copy/move operation may cause an exception.
 - Workaround: Ensure the USB drive is not removed during file or folder transfer to prevent potential issues.
- **#3142:** The analysis file (.utextension) is partially managed with its associated datafiles (.utdata) on different actions (USB export, folder change, remove, etc).

Acquisition:

- **#3739 & #4102:** deported buttons on scanner are not working.
- **#3359 & #4317:** Instabilities with the connection with the Navic.
 - Workaround: Force reconnection
- **#5367:** B-Scan not updating on any cursor
 - Workaround: Switch to Slicing mode, then return to Single Plan

TFM:

- **#3344:** Gain can be changed and impact views on PCI technique.
 - Workaround: Do not change gain with the PCI groups.

- **#2933:** The sectorial view in the analysis menu is not usable for TFM or LW0° and may cause a crash when interacting with cursors or switching to Side Merge and End Merge.
 - Workaround: Use the more efficient End view in the analysis menu for TFM or LW0° groups.
- **#4000:** The views might be empty if the PWI or the TFM is computed with a single shot.
 - Workaround: Set at least 2 shots in PWI or 2 elements in TFM.

System:

- **#3282:** Software may look frozen when clicking on the layout selector button. Clicking inside views remains active, but all other buttons are unresponsive.
 - Workaround: Wait a few seconds for software to react.
- **#2937:** Batteries display on the system bar can take up to 30s to be refreshed after a battery hot swap.
- **#3031 & #2755:** The virtual keyboard may not appear when attempting to modify certain text fields.
 - Workaround: Reboot the instrument or plug an external keyboard.
- **#4310:** Noisy fan even when the Cypher is not being used heavily.



Minimum System Requirements

- Processor: Dual core CPU @2GHz
- Operating systems: Windows 10 (64bits) or Windows 11
- Memory: RAM 8GB
- Disk space: 8GB
- Display: minimal screen size: 1280x800
- Administrator rights: Required for installation and software activation of Cypher Companion

Recommended System Requirements

- Processor: Quad core CPU @2.4GHz
- Operating systems: Windows 10 (64bits) or Windows 11
- Memory: RAM 16GB
- Graphics card: Not used for processing
- Disk space: 32GB - SSD
- Administrator rights: Required for installation and software activation of Cypher Companion