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Eddyfi Magnifi® 4.7R14 Release Notes

Released on: October 2nd, 2020

System Requirements

- **Supported operating systems**: Windows 8.1, and Windows 10 version 1607 (Anniversary Update) and 1703 (Creators Update) (32-bit and 64-bit editions)
- **Processor**: Core i5 or better (or equivalent)
- **Memory**: 8 GB or more (recommended: 16GB recommended for very large tube maps)
- **Minimum available disk space**: 500 GB
- **Recommended network**: Built-in network card (USB-to-network adapter also acceptable)
- **Display**: 13" or larger (recommended: 15")
- **Minimum resolution:** 1366 × 768 pixels (recommended resolution: 1920 x 1080 pixels)
- For extensive analysis purposes, we recommend using an additional external monitor, 22" or larger with a minimum resolution of 1920 × 1080 pixels.

Firmware

Included in this release of **Magnifi** is the following firmware:

Eddyfi Ectane® 2

- Version: 2.1R5.1T1
  Update your firmware the first time you connect to Ectane 2.

Ectane

- Version: 1.8R5.1
  This is the same version as Magnifi 3.5R14

New Features and Improvements

Generic

- Magnifi Wi-fi update capabilities now included for future software releases
- Improved stability

Surface Applications

- Supports pre-uniformized Spyne™ probes for improved signal response across the array
- Lift-off assistant mode (rotation assistant) for surface array probes
- Automated calibration check (Cal. Check mode) for surface array probes

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Modifications to Existing Features

- Magnifi STD now includes the HXC option, where PRO replaces the FUL version

Dropped Features

None in this version

Resolved Issues

- **Channel Median filter causing crashes on stop acquisition (ECT, RFT, pencil, etc.)***
- **HASP key driver incompatible with Windows 10 causing blue screen at install***
- **Memory leaks for large, high resolution C-scan***
- **Pipescan HD encoder resolution adjusted in default setup***
- Sharck no longer remains in clock mode after reset calibration
- Cal. Check tool now support all default measurement modes
- 2D C-scan now supported by Windows using any native langage other than Latin
- Adding NDD no longer generates entry with erroneous values
- Surface MFL Amplitude info field memory exception
- 2D C-scan display issues on Windows 10
- IRIS improved data display (C-scan and projection views)
- IRIS Faster cursor manipulation
- Automatic C-scan refresh after IRIS calibration
- Merge C-scan indication
- Rotation button display issues in Lissajous (button disappearing in some situations)
- Default Master List setups now available in Magnifi R

Known Issues, Limitations, and Restrictions

- **Magnifi crashes when 1D median filter size is above 1601 samples***
- **Possible limitation in max scan size in raster scan modw with Spyne***
- Cannot save data acquired in Cal.check mode and Lift-off assistant mode
- 3D C-scan display issues (related to Windows10 driver)
- Use of I-flex probes with impedance topology AND one of SDL or SDD topology simultaneously lowers signal amplitude from the transmit-receive topology (SDL or SDD)
- Specific conditions causing duplication of the data file in data list (creates a second data file with increment in file name but contains the same data)

- Report viewer can't display screenshots
- The report does not work if too many indications/screenshots are included
- Mini cursors resize not synced in the IRIS projection views (need to be individually adjusted)
- Sharck Fillet Weld Probe - Transverse C-scan display too many channels
- Spyne Probe – Y-axis preset must remain to zero in raster scan mode

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* Marked items are new to this release (R14). Others items were updated in previous releases.