



Dash 8Xe / Dash 8XeR / Dash 8X Software Release Notes

VERSION 2.5 - Date: 7/15/09

New Features:

- Two host control commands added. The first is a query command to get system status (capturing data or not, mode of operation, available memory). The second command queries data capture information such as number of captures and details about the captures.

Corrections:

- Improved the timing communications for calibration of the IHV3 signal module.

Notes: None.

VERSION 2.4 - Date: 3/19/08

New Features:

- X-Y plot: Added shifting and rotation features to the XY plot.

Corrections:

- Improved user scaling values when switching between modes or exiting the Dash 8Xe program.
- Text editing now supports highlight and replace at the point of highlight.

Notes: None.

VERSION 2.31 - Date: 11/27/07

New Features:

- X-Y plot: XY plot feature allows the user to load predefined XY plot test templates along with saving the XY data and background templates to a bitmap format. The user can also annotate these bitmaps in the D8Xe system using Microsoft Paint.
- MatLab ASCII data format: Allows the user to archive a file being reviewed as ASCII that is formatted to be easily imported into MatLab.
- Support for new signal module: IDC1 Corrections:
- For German language, fixed incorrect character entry for onscreen keyboard.
- Improved autorange feature when used with 800 VFS
- Improved ASCII export of data when less than seven channels is selected.
- Disabled use of main menu when amplifier menu is open.

Notes:

- Upgrade from version 2.1 or lower require formatting of the capture drive. It is important to archive captures before upgrading because formatting will erase captures on the capture drive.
- This release replaces version 2.3 which was released on 10/01/07. Due to a potential file archive issue, version 2.31 is released as a service upgrade to version 2.3. Version 2.31 has all the same features and enhancements as version 2.3 with a correction to avoid the potential archive issue.

VERSION 2.2 - Date: 11/17/06

New Features:

- The maximum number of data captures allowed on the D8X_D8Xe has been increased to 10,000.
- Under data capture settings, user can now choose Auto Re-Arm, Auto Archive & Auto Review at the same time.
- User units can now be entered in either "Engineering Unit per Volt" or "Volt per Engineering Unit".
- For data capture, the user now has the ability to program up to five preconfigured note buttons.
- For data playback to the optional printer, the trigger point can be printed as a full page mark.
- Also, channel number markers can be printed on the chart paper.

Corrections:

- Improved the time accuracy when using cursor measurements.
- When two input channels reference the same input module, the user can now save and recall their settings to and from a global file.

Notes:

- Upgrade to version 2.2 requires formatting of the capture drive.
- It is important to archive captures before upgrading because formatting will erase captures on the capture drive.

VERSION 2.1 - Date: 12/15/05

New Features:

- New buttons is available for the control panel.
- Channel Offset and Edit On Demand Buffer
- The On Demand Buffer feature has also been modified to allow for less than 128 characters.
- The buffer will now be as long as the number of characters entered, up to the maximum of 128
- Host control commands have also been expanded to allow for editing and printing the On Demand Buffer. Corrections:
- Applications launched from the utility screen no longer go behind the Dash 8Xe / Dash 8X application. This application will now minimize.

Notes: None.

VERSION 2.0 - Date: 05/06/05

New Features: None.

Corrections:

- Improved signal module identification procedure.
- In German, French, and Italian language versions, fixed user units comma button for signal offset.
Notes: None. Version 1.9 Date: 04/08/05 New Features:
- Added support for the IHV3 module. Corrections:
- Improved the real-time response of the display for better view of high-frequency data content.

Notes: None.

VERSION 1.8 - Date: 02/25/05

New Features: None.

Corrections:

- With the release of version 1.7, if the Dash 8Xe / Dash 8X had fewer than eight signal modules, data captures would be marked invalid.
- Version 1.8 allows for captures with less than eight signal modules.

Notes: None.

VERSION 1.7 - Date: 02/10/05

New Features:

- A status window is available to show the progress of archiving when archiving data captures to a CD.
- Added a Fahrenheit button to the external units setup window to automatically set the scaling factors on the ITCU module.
- Modified the Web interface to allow quick format of the capture drive, as well as the ability to select multiple records for archiving.
- Scope mode is enhanced to support X-Y plots
- External sample rate function is enhanced to allow user to enter scaling factors that will be used in data review.

Corrections:

- A capture with a sample rate of 0.01667 Hz can now be reviewed without getting an invalid header error.
- The archive file icon button on the data capture review control panel now functions.

- Improved the data capture archive so that archive of a partial record will not allow use of the original data capture name.
- ITCU values are now correctly displayed if the language is set to German and the Dash 8x is restarted.

Notes: None.

VERSION 1.6 - Date: 10/20/04

New Features:

- Supports control of AstroDAQ Xe. See note below.
- External motor clock input rates can now be stepped down by a user selectable factor of 1 - 5.

Corrections: None.

Notes:

- Contact technical support for more information on updating your Dash 8Xe to support control of the AstroDAQ Xe.

VERSION 1.5 - Date: 08/12/04

New Features:

- Support for the new IDCV module.
- Increased the span sensitivity when using RMS by a factor of ten.

Corrections:

- Improved handling of the remote arm and abort inputs.
- Expansion and compression windows for data review can not be both open at the same time
- Improved scope card data review scrolling.
- Improved operation for remote data transmission.

Notes:

- Recalibration of the IHV2 signal input module is required after updating the system software.

VERSION 1.4 - Date: 03/10/04

New Features:

- Released to support the latest version of the Dash 8X, called the Dash 8Xe.

Corrections: None.

Notes:

- This software is compatible with all versions of the Dash 8X.

VERSION 1.3 - Date: 01/15/03

New Features:

- Support for the newly released IRTD module added.
- Ability to independently set the X and Y grid divisions in the XY plot for both Realtime and Review modes.
- An additional time constant is added for the RMS mode.
- Adds data reduction feature to allow data capture files to be archived at current compression values.

Corrections: None.

Notes: None.

VERSION 1.2 - Date: 10/28/03

New Features:

- The Dash 8X supports the newly released ITCU temperature module.
- Also, support for USB CD-ROM data archive has been added.
- IRIG B demodulated time code can now be captured along with data and decoded for use in data review.
- When a global file is installed, a check is performed to confirm the type and location of modules and notify if configuration is different from the expected.
- Dash 8X Offline allows selection of the modules available.

Corrections:

- Improved the data capture status window to accurately reflect time information for the next data capture.

Notes: None.

VERSION 1.1 - Date: 7/8/03

New Features:

- The Dash 8X now supports the DSO-8 scope card, MOD-8 modem, IBR1 bridge module, and the SCR-8 printer.
- For data capture, Auto-Review is now available for automatic review of data captures.
- For signal inputs, Auto-Ranging allows the Dash 8X to set the range.
- For the meter mode, a larger font choice is available.
- XYY plotting is now available.
- The control panel in scope and review modes provides additional columns.

Corrections:

- Improved review of data captures with expanded time base.

Notes: None.

VERSION 1.0 - Date: 4/29/03

- First general release version available.