

EddyVision 6.5 Release Notes

October 1, 2009

These release notes document all changes from Rev 6.4 to Rev 6.5.

WARNING: OMNI-200 testers must be returned to CoreStar to have updated firmware installed prior to use with Rev 6.5. Our intent is for this to be the final version of the OMNI-200 firmware.

WARNING: Projects and files created and/or modified with Rev 6.5 can not be read with earlier versions.

1. General

- 1.1. Increased field widths in a number of dialogs.

2. Analysis

- 2.1. Increased maximum voltage for voltage curve to 700.
- 2.2. Added TrackDrive-200 segment to balance dialog.
- 2.3. Modified setups to properly store and recall all screen parameters including channel component (i.e. vertical vs. horizontal).
- 2.4. Added “Auto Store Setup” to OPTIONS which will automatically store the current setup on software exit. Used with “Auto Load Setup”, this will allow the current setup to be stored and recalled without explicitly saving and restoring.

3. Acquisition

- 3.1. Removed Windows message broadcast to all top level windows whenever acquisition starts and stops.

4. DBMS

4.1. No Changes.

5. MakeComp

5.1. No Changes

6. OMNI-200

6.1. Changed the firmware rev to 6.

6.2. Modified balance to work in external and encoder trigger modes.

6.3. Modified hardware null to work in external and encoder trigger modes.

6.4. Improved alarms to allow specifying the center of the circle, alarm polarity, and alarm whether the alarm should be asserted inside or outside the circle.

6.5. Fixed a bug with hardware null where it was being done after truncation to 16-bits.

6.6. Added profiles that allow the TrackDrive-200 to change the trigger mode and RPC speed. This feature is for users controlling the OMNI-200 via their own software.

6.7. Added a fix to zero that balance caps at powerup.

6.8. Fixed a bug with ref null that required all slots for the ABS channel to be on.

6.9. Fixed a bug in ref null that only allowed it to work with zero phase offset on the driver.

6.10. Added **Bobbin** option to **Probe** menu.

6.11. Return TrackDrive-200 segment address in the sample flags channel.

7. TrackDrive-200

7.1. Modified TrackDrive-200 firmware to be compatible with new Westinghouse boards.

8. EddyAdmin

- 8.1. Added ability to choose fixed width and variable width font that will be used throughout the EddyVision suite. This will take effect the next time the software is booted.

9. EddyVision DEMO and SDK

- 9.1. The Virtex structures have been modified.
- 9.2. Added functions to set alarms and TrackDrive-200 profiles.

10. OMNI-200 Calibration

- 10.1. Added decimal value to amplitude linearity.
- 10.2. Added decimal value to frequency response.
- 10.3. Fixed quadrature phase tolerance for JEAG by changing it from 5% to 3%.