

PowerPad 4 (PAT3) Release Notes – Version 1.4.15803

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Version 1.4.15803

New Features

- Much of the upgrade is for supporting V1.10 firmware.
- Sets maximum recording schedule to year 2106 Feb 05.
- Label changes for transient configuration of thresholds.
- Config->Transients: Max num cycles before transients, now 4 for firmware \geq 1.10 and nominal freq 60Hz. Else max is 3.
- NTP server name: the 25 characters limitation (display and checking) is no longer valid and needs to be removed.
- MSV2 frequency range should include 0 Hz.
- Need to use cont:net:email instead of cont:email SCPI command.
- Changed max email length from 64 to 254.
- Hysteresis range for Dips, Swells, Interrupts and RVCs: range should be 0 to 100% instead of 0.1 to 99.9%
- Timeout when reading SD cards increased from 25 seconds to 150 seconds.
- Prevents reading recorded data with firmware version 1.10.50 or later.
- Prevents connecting to an 8345 with firmware version 1.10.50 or later.
- Increased timeout to 150 seconds when retrieving file information (MMEM:CAT2).
- Removed firmware warning for recorded data from earlier, but still supported firmware versions.
- Changed naming of photograph recordings.
- Photo realtime data is ready for testing now.
- Shows realtime harmonic angles.
- Show size of recordings.
- Implemented using a broadcast to identify instrument addresses.
- Implemented realtime panel view.
- Implemented modify connection.
- Most of new interface of configuration password.
- Implemented Inrush event duration.
- Changed names of harmonic quantities exported to DataView or Exported for better sorting: "001" "012" "123".
- Change default Trend harmonics view to be %f and harmonic 3.
- Class A list should have an additional display column for RVC duration.
- When viewing EN 50160 trend, added visible bands to show limits.
- Changes to DataViewSync™ configuration for firmware 1.10.
- Implemented selection of starting transient for the maximum of 100 transients to save to spreadsheet.
- Implemented inrush offsets, and default display. (corrected in 1.4.15278 to read and use "PayloadTrigger")
- Implemented selection of starting transient for the maximum of 100 transients to save to spreadsheet.
- Implemented inrush offsets, and default display.
- Reads and saves config of WiFiAccessPoint.
- Added new 1.10 firmware version multipliers to voltage ratios.

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- Verified completion of alarms configuration changes for firmware 1.10.
- The Status screen of PowerPad IV does not display the SD card information.
- Added configuration and use of DataViewSync™ communications.
- Added multiple ways to reconnect to previously connected instruments when starting the program.
- Improvements to the EN 50160 report.
- Uses new feature from firmware 1.9.49, "EffectiveIP_RO".
- Does not show disconnected in tree icons until all communication possibilities tried.
- Only enabled DataViewSync™ if user goes to communication config and edits password or clicks enable.
- New labels for export and PAT3 for a0, a2, u0, u2.
- Moved address book for reconnection of instruments to AppData.
- Changed description and uses of serial number to be warranty number.
- Changes to EN 50160 data, new sample database, new template.
- Changed all event times, both EN 50160 and trend, to be rounded to milliseconds.
- EN 50160 summary now has separate sections for "RMS", "HZ", "Unbalance", "THD & Harmonics", "Flicker".
- Issues a firmware version warning when reading recorded data with firmware 1.10 and higher.
- Prevents connection to firmware 1.10 or greater.

Bug Fixes

- Fix to showing swells/dips in EN50160 results.
- When viewing EN 50160 report parameters, no longer show the parameters that firmware 1.10 does not include in the recorded data files.
- Recording start time is constrained to multiples of recording rate.
- Changed trend durations, to simply giving an error message if duration too long.
- Transient config prevents surge config if connection does not have V-Earth/Ground.
- Crash when viewing new inrush sample and then opening new trend sample.
- Only allow 1 instance of PAT3 to run, do not allow multiple PAT3 programs to run concurrently.
- When clicking on the User manual button you are directed to a generic web page (AEMC version).
- Verbiage gets cut off on the RVC button.
- Fix to sending email addresses to instrument.
- Minimum tariffs are now 0.
- Error in writing monitoring configuration that resulted in empty fields. (error was not in PAT3 version 1.3).
- Crash that would happen when reading trend files from firmware 1.09.50.
- Realtime phasor diagram shows NA value. Also shows extra phase angle lines not shown on 8345.
- Fixed issue of realtime data appearing in photos.
- Fixed reconnect button still being enabled when a reconnect is in progress.
- Fixed display of photo and realtime harmonic neutral.
- Data errors in displaying a trend recording (with new firmware).
- Fixed realtime data from instrument.
- Fixes to display of realtime harmonics data.
- Fixed error when startup connection fails, then connect to the same instrument with add instrument.
- Fixes to connection to DataViewSync™.
- Fix to downloading data.
- Fixed crash when removing an instrument, then adding instrument again.

- Communication does not continue after an error in reading data from the 8345.
- Fixed instrument reconnect.
- Handles SD card errors.
- Fixes to broadcast feature. Also, broadcast will now only work with firmware 1.09.66 and later.
- Also fixed an issue where the displays were showing start and end time in UTC instead of instrument local time.
- Trend energy view, selection of graph can initially still show bar graph.
- Reading of trend files could be incorrect in future firmware versions (no actual error for now).
- When a configuration does not allow surge (fast) transient detections, should disable surge in configuration.
- Greyed "Set EN 50160 defaults " buttons for See EN 50160.
- Real-Time display freezes.
- Wrong title for Configuration Monitoring dialog box.
- Energy graph values are incorrect.
- PAT3 1.3.15 Real time angles.
- In Trend harmonic view "Display or hide the fundamental" serves no purpose.
- No "OK" and "Cancel" buttons in German Display Colors configuration.
- Initial default selection of graphs no longer include neutral.
- Inrush offsets, and default display: corrected to read and use "PayloadTrigger".
- Wrong label for Pinst on channel 2.
- When reading trend or monitoring, log files can be missed due to a parsing error.
- PAT3 1.3.15190: Wrong label for Pinst on channel 2.
- When reading trend or monitoring, log files can be missed due to a parsing error.
- Snapshot names on meter do not match the downloaded snapshot names.
- While watching the Real Time data screens, the screen constantly flickers. Fixed by reducing area of screen that flicker to that being changed:
- Nested windows in tabular display of real-time harmonics (also recorded trend display).
- Shows the same trend aggregation period in configuration as the instrument screen does.
- When time zone differs between PC and 8345, config screen schedule tab shows a much larger difference.
- PAT3 status of recording in progress shows time but not date of scheduled stop.
- While testing recordings, it was noticed that the date gets dropped on the status screen for the recording information.
- Saving to spreadsheet. Max time does not account for energy and varies between PC's.
- EN 50160 default sorting of RVC should be by time.
- Should "Freq band 1 VN" and "Freq band 2 VN" not be "MSV1" and "MSV2".