

Release Notes for Firmware of H&H PLA Series Electronic Loads

Contact H&H to check possibility of firmware update for your specific device. Provide serial number.

Concerning Components:

AI: Analog Interface Board
DI: Data Interface Board
UI: User Interface Board

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Firmware Release: AI2.2.0 DI2.2.0 UI2.2.0

New Features/Added

- Added list-synchronous data acquisition in digital remote operation.

Enhancements/Changed

Added functionality for indicating HSE error at startup.

Added the possibility to edit all the available interface settings via the user interface.

Changed the execution procedure of a diagnostic function.

Bugfixes/Corrected

n.a.

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI2.1.1 DI2.1.0 UI2.1.4

New Features/Added

n. a.

Enhancements/Changed

- Changed the calculation method of the encoder step widths for the immediate resistance level input in order to increase the accuracy with decreasing resistance level.
- Increased the display accuracy for the immediate resistance preset level.

Bugfixes/Corrected

- Corrected bug which returned always the length of a list in current mode even for list mode voltage, power and resistance.

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI2.1.1 DI2.1.0 UI2.1.3

New Features/Added

- Added the ability to change the positions of the adjustment points for the calibration process of each signal.
- Added functionality for saving and reloading calibration parameter to/from an attached USB flash drive.

Enhancements/Changed

- Improved displaying of Questionable Status signals in operating mode CV in order to display the Questionable signals on the right display only in main screen.

Bugfixes/Corrected

n. a.

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI2.1.0 DI2.1.0 UI2.1.2

New Features/Added

n. a.

Enhancements/Changed

- Minor changes and enhancements

Bugfixes/Corrected

- Corrected an error in the format function for the measurement and setting values

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI2.1.0 DI2.1.0 UI2.1.1

New Features/Added

n. a.

Enhancements/Changed

n. a.

Bugfixes/Corrected

- Corrected an error in the UI autoranging function which stalled the UI firmware execution if the AI does not respond to UI requests during startup.

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI2.1.0 DI2.1.0 UI2.1.0

New Features/Added

- Added MPP Tracking functionality

Enhancements/Changed

- Optimized software regulators for operation with undervoltage protection
- Improved autoranging function for displaying setting, protection and measurement values

Bugfixes/Corrected

- Corrected power-on value, reading and clearing of Standard Event Status

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI2.0.1 DI2.0.0 UI2.0.0

New Features/Added

n. a.

Enhancements/Changed

- Optimized handling of channel/request errors

Bugfixes/Corrected

n. a.

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI2.0.0 DI2.0.0 UI2.0.0

New Features/Added

- Added Master-Slave functionality with Subsystem SYSTem:UNIT

Enhancements / Changed

- Changed keystroke analysis to “pressed” instead of “released”

Bugfixes / Corrected

- Several minor bugfixes

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI1.2.0 DI1.2.0 UI1.2.0

New Features/Added

- Added watchdog functionality

Enhancements / Changed

- Enhanced debounce mechanism for RV and OV events
- Added functionality for reloading specific parameters leaving calibration/production state.

Bugfixes / Corrected

- Corrected error in LAN socket initialization with user-defined port

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI1.1.0 DI1.1.0 UI1.1.0

New Features/Added

- Added functionality for UI curves
- Added functionality for temporarily deactivating load input if overvoltage is detected
- Added alarm buzzer signal on overvoltage and reverse voltage conditions
- Added functionality for displaying "ERR", if an error event is received on the system bus
- Added Settings menu and Power On Settings.

Enhancements / Changed

- Changed blinking behavior (display switching between full and half LED intensity)

Bugfixes / Corrected

n. a.

Backwards Compatible

Hardware: Yes

Software: Yes

Firmware Release: AI1.0.4 DI1.0.2 UI1.0.3

New Features/Added

- Initial release
- Operating modes CC, CP, CR, CV
- List function with ramp times for 100 elements in all operating modes

Enhancements / Changed

n. a.

Bugfixes / Corrected

n. a.

Backwards Compatible

Hardware: Yes

Software: Yes