Release Notes for Firmware of H&H QL Series Source-Sinks

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
GI: GPIB Interface Board

QL Firmware Release Notes

H&H Höcherl & Hackl
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Firmware Release: AI1.3.0 DI1.3.0 UI1.3.0

New Features/Added
- ➢ Added functionality for capacitor simulation.

Enhancements / Changed
- ➢ Improved and restructured Errors screen.
- ➢ Added popup dialog for changing AC level, DC offset and frequency in main screens when AC output mode is set.

Bugfixes / Corrected
- ➢ Fixed an error in the data viewer screen that prevented display of the measurement data.
- ➢ Fixed calculation of the resulting AC waveform in AC Waveform Graph dialog when a predefined DC offset was set.

Backwards Compatible
Hardware: No, only from production series B
Software: Yes

Firmware Release: AI1.2.2 DI1.2.0 UI1.2.1

Enhancements / Changed
Enhanced initialization procedure of external DACs.

Firmware Release: AI1.2.1 DI1.2.0 UI1.2.1

Enhancements / Changed
- ➢ Optimized calibration procedure for external voltage measurement.

Firmware Release: AI1.2.0 DI1.2.0 UI1.2.1

Bugfixes / Corrected
- ➢ Corrected the evaluation and display of user manual version in Technical Data and Firmware Update selection dialog.

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

New Features/Added
- ➢ Added UI-specific cycling function.
- ➢ Added functionality for measuring and calibrating external voltage.
- ➢ Added functionality for power and resistance regulation with external controlled level.

Enhancements / Changed
- ➢ Removed Diagnostic dialog from the H&H Service menu.
- ➢ Updated download link for the manual QR code.

- ➢ Improved rounding of range end values for edit widgets.
- ➢ Updated display controller driver.
- ➢ Added displaying of externally applied immediate level value in main screen.
- ➢ Enhanced mouse wheel evaluation in order to run in GUIU task context.
- ➢ Added check and auto correction functions if output mode should be changed from AC to DC.
- ➢ Added confirmation popup window if actual function mode differs from desired modulator mode.
- ➢ Added notification in Graphical Data Viewer dialog if data sampling is not equidistant.
- ➢ Enhanced USB write operations to USB flash drives when running out of memory.

Bugfixes / Corrected
- ➢ Corrected voltage measurement timeout error after reset command.

Backwards Compatible
Hardware: Yes
Software: Yes

Firmware Release: AI1.1.1 DI1.1.0 UI1.1.1

Enhancements / Changed
- ➢ Improved reset procedure of the touch controller during startup.
- ➢ Enhanced user notification popup after changing from remote to local operation.
- ➢ Removed support for non-volatile diagnostic values.

Backwards Compatible
Hardware: Yes
Software: Yes

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

Initial Release