

About the firmware version 2.34 update

Last Modified: June 7th, 2016

Summary

This release of the hPDU firmware adds **ring redundancy** and **configurable permissions for the user role**. It also fixes some issues and is advised for all users of the hybrid range of PDUs and DPM3.

Important warning!

If running a version lower than 2.06, make sure you update to 2.06 before updating to 2.34. The hPDU firmware might get locked at version 2.02 if you don't update to 2.06 first! The supplied firmware updater tools will prevent this.

Important note: When upgrading from a version lower than 2.10, this update adds the 'static fallback' feature to DHCP which is enabled by default. If you don't have a DHCP server running in your environment, all your updated hPDUs will fall back to default IP address `192.168.1.220` after 60 seconds (counting from reboot or Ethernet cable plug-in). Setting a different network configuration (e.g. disabling DHCP or static fallback) is possible through the new web interface.

What's included in 2.34 (changes since 2.32)?

New features:

- Added ring redundancy. This includes new registers in the data model, new objects in the SCHLEIFENBAUER-DATABUS-MIB file and new fields in the web interface.
- Permissions of the user role can be limited. Only the super and admin role are allowed to change the permissions of the user role.

Other changes and fixes:

- Fixed issue where the data on the Interfaces page in the web interface was not refreshed automatically.
- Fixed issue which prevented saving the trap setting for sensor change alert.
- Fixed issue causing the honruf register in SPDM and sdbMgmtStsDevices in SCHLEIFENBAUER-DATABUS-MIB value to be clipped at 255.
- Added outlet power Watt and VA to SCHLEIFENBAUER-DATABUS-MIB.
- Renamed device mode 'classic' to 'data bus'.
- Fixed issue which caused some fixed decimal values to be lower than the real value.
- Fixed SNMP interface counters not increasing.
- Bridged device is silent on data bus when not connected to Ethernet.
- Fixed an issue which could cause a watchdog reset.

Known issues

- In 'twin master mode', switching outlets via the API is not yet supported due to limitations in the current API and data bus implementation.
- When viewing bridged units in the web interface, some features might not work as expected if the remote unit's SPDM version is below 1.28.
- Changing the unit address of a remote unit will not automatically cause a rescan. This needs to be done manually.
- Do not combine multiple hPDU bridges or a hPDU bridge and gateway in the same data bus.
- After logging in, the web interface might be unresponsive for a few seconds. This is caused by loading the bridged device list.

Installing this firmware

Versions 2.02 and 2.06 can only receive firmware updates over the classic data bus (by using a Gateway or RS485 converter together with the supplied updater tools). From version 2.10, the hPDU can receive firmware updates over the IP API as well.

Use the supplied firmware updater tool by following the instructions in the *Firmware updater tool manual*.

Note: Uploading 2.xx bin files in the Gateway's web interface is not possible!

Note: The outlets will **not** be powered down during update or restarting of the PDUs!