



Release Notes For Conext Combox/Conext Modbus Converter

Please always update all your Xanbus devices to the latest firmware.

Version: 03.03 Build 830 [6 Dec, 2016]

Please clear your web browser cache before login web GUI.

New Features

- ComBox Security Enhancement:
 1. Disabled the end user's accessibility to LOGS partition when ComBox is connected to a PC via USB. In order to obtain the files in LOGS, please use CopyLOGS.lux script.
 2. Added a web page to warn and guide end user to change the password if it is not complex enough.
- Support for AGS ForceOnAutoOff generator mode.
- Support for recovering and programming XanBus devices when they are in bootloader mode (bricked). Supported device includes: AGS, battery monitor, CSW, MPPT, HVMPPT, XW and SCP.
- Support for PM8000 power meter.
- Support for monitoring Conext Bridge device.
- Added remote firmware upgrade capability for XW+ HECO/KIUC through the cloud.

Bug Fixes

- File System and bootloader upgraded to resolve file system corruption issue.
- TCP/IP stack upgraded to improve the reliability of Conext Insight connectivity and continuous data push.

- Fixed the master & slave lifetime energy integration out of sync problem.

Known Issue:

- In CSW AC-coupling mode, if one or more Xanbus devices are not running the most current firmware, the readings of power from CSW to Grid (AC Input) and from Loads to CSW (AC Load) will be 0W.
- In CSW AC-coupling mode, if all Xanbus devices are running the most current firmware, the readings of power from Loads to CSW (AC Load) will be 0W.

Version: 03.01 Build 746 [23 Oct, 2015]

New Features

- Zero export. Added a control mechanism to limit the Conext RL output which can be enabled through the ComBox Web UI. This feature is designed to work in installation using a single Conext RL inverter in either of the two applications below:
 - Residential grid-tie
 - Residential grid-tie with AC coupling with Conext XW+
- Conext RL ground fault notification. Added a mechanism to send out fault email and/or triggering the relay when ground fault occurs on the Conext RL
- These settings can be configured through the ComBox Web UI
- Added support for iEM32XX, EM35XX and PM5XXX power meter series where the customers can view the power meter status and summary page on the ComBox Web UI
- Added support to calculate and back up min & max data points of interest
- Added multiple Modbus TCP client support for up to ten connections

Bug Fixes

- Purging enhancement. Added support to purge system wide hourly energy logs on top of the existing purging algorithm

Version: 03.00 Build 707 [14 Feb, 2015]

New Features

- CSW Upgrade support on new configurations, warnings and faults.

- Added support for users to perform custom data logging on Modbus device parameters.
- Added support for AGS auto start/stop based on Battery SOC.
- Added support to emulate USB device connect/disconnect from software.

Bug Fixes

- Updated boot loader to version (Ver01.03BN0118) to support watchdog timer in boot loader mode.
- Added support to update watchdog timer during application initialization stages.
- Added support to display negative load power for CSW.
- Changed timestamp from GMT to local time in the portal_test script.
- Added support to display normalized Battery bank SOC readings on WebUI home screen.
- Updated cloud push scripts to use content-length meta data instead of using chunked transfer encoding which has shown to cause problems on some sites on web portal.
- Ensures that the associations on CSW are not allowed to be changed during operation mode.

Note

- The new bootloader (Ver01.03BN0118) might be incompatible with application firmware prior to V03.00. Therefore, it is not recommended to downgrade the application firmware upon the upgrade of the new bootloader.

Version: 02.01 Build 673 [19 Sep, 2014]

New Features

- Energy odometer (KWh meters) nightly backup to an installed SD card
- Removed unused run-time counters in email report
- Changed GVS and GFS configuration settings to two decimal places
- Added Battery Monitor “Synchronize Now” command

Bug Fixes

- Fixed configuration issues which causes System Configuration Fault on startup
- Fixed overflow bug in energy calculation for battery monitor power flow
- Fixed dashboard corruption when updating from an earlier firmware version

- Removed unused curtailment percentage from system Modbus map
- Fixed AC Transfer switch delay settings
- Fixed GVS and GFS configuration settings
- Fixed schedule timing error when using data push to cloud service

Version: 02.00 Build 656 [6 Aug, 2014]

New Features

- Updated Web User Interface
- Master/Slave ComBox Multi-Cluster support
- Three phase support
- Conext Insight Web Portal integration
- Multiple battery bank support (up to 5 banks)
- Battery Monitor support for accurate battery state of charge
- Conext XW+/CSW+ support
- Dual Generator support
- Daily Summary Plots
- Modbus Inverter support (Conext CL, Conext TL, Conext RL)
- Modbus Power Meter support (PM8xx series)
- Modbus SMP3 Pyranometer support
- Lithium-Ion Battery support
- ComBox Performance improvements

Bug Fixes

- Fixed crashes caused by some high latency network connections

Version: 01.03 Build 463 [9 Dec, 2013]

New Features

- Added support for new hardware revision (Rev H).

Version: 01.03 Build 450 [1 Nov, 2013]

New Features

- Modbus map update to include configuration refresh counter
- AGS programming support
- Custom data logging data type selection on the web user interface uses device instance numbers instead of device unique identification numbers
- Automatic daily log file purging when internal storage has only 5MB remaining
- Support for execution of LUX applications from an external thumb drive
- Multi-language translations
- Added support to change GT device instance numbers
- Added support for more USB thumb-drive vendors
- Improved performance of web pages
- Improved IE browser support

Bug Fixes

- Changed mail sender configuration to prevent mail rejection by server
- Allowed underscore in FTP password
- Allow last charge time report to persist over a combox reboot
- Updated boot loader to minimize bus corruption on Modbus RS485
- Modbus protocol compliance improvements

Version: 01.02 Build 362 [12 Jun, 2013]

New Features

- Initial release of Conext Combox features.

Bug Fixes

- None

Version: 01.01 Build 339 [16 May, 2013]

New Features

- Initial release of Conext Modbus Converter features.

Bug Fixes

- None