

# Conext™ Gateway/ InsightHome and InsightFacility Release Notes

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

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## Version: v1.14 Build 488 [ 17<sup>th</sup> Sept 2021]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from  
<https://solar.schneider-electric.com/product/conext-gateway/>  
<https://solar.schneider-electric.com/product/insighthome-and-insightfacility-edge-devices/>

### Summary of fixes provided:

- Fix for split-phase CSW dashboard power flow.

### Known Limitations

- Analog and Digital I/O is not supported
- After downgrading an XW device, the gateway must be restarted.
- Upgrading from v1.07 and earlier to v1.08 and later will cause the cloud to be disabled, requiring the user to re-enable the cloud via the Web UI.
- The gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer
- Some of the InsightLocal Dashboards (Battery Summary, Power Flow) do not display accurate data, to User and Guest login.
- v1.14 is recommended for XW+ systems.

## Version: v1.14 Build 485 [ 20<sup>th</sup> Aug 2021]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from  
<https://solar.schneider-electric.com/product/conext-gateway/>

<https://solar.schneider-electric.com/product/insighthome-and-insightfacility-edge-devices/>

## Features

### Summary of features

- Supported Spain export limiting requirements for CL33/50
- Fast dashboard data refresh for InsightCloud
- Web UI to support External Li-ion Battery selection
- Li-ion Battery configuration support for Pylontech batteries US2000 and US3000
- Li-ion Battery configuration support for BYD LVL and LVS.

### Summary of fixes provided:

- Fix for Insight Home and PylonTech BMS Communication issue.
- Fix for incorrect BMS state information
- Fix for negative temperature value in external BMS
- Added total power, energy exported/imported for Wattnode meter for InsightCloud
- Fix for PM8000 device detection.
- CL30 dashboard power flow issue fix.
- Fix for Modbus Port-B device detection issue.

## Known Limitations

- Analog and Digital I/O is not supported
- After downgrading an XW device, the gateway must be restarted.
- Upgrading from v1.07 and earlier to v1.08 and later will cause the cloud to be disabled, requiring the user to re-enable the cloud via the Web UI.
- The gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer
- Some of the InsightLocal Dashboards (Battery Summary, Power Flow) do not display accurate data, to User and Guest login.

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## Version: v1.12 Build 450 [20 Apr 2021]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

## Features

- Summary of features
  - Support XWPro v1.12
  - Changed AI Step parameter for EN50549 grid code

## Known Limitations

- Analog and Digital I/O is not supported
- After downgrading an XW device, the gateway must be restarted.
- Upgrading from v1.07 and earlier to v1.08 and later will cause the cloud to be disabled, requiring the user to re-enable the cloud via the Web UI.
- The gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer

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## Version: v1.11 Build 437 [19 Feb 2021]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

### Features

- Summary of features
  - Improved grid code settings CRC
  - Support XWPro v1.10, v1.11
  - Initial support for EN50549 grid code
- Summary of fixes provided:
  - Prevent F50 (SOC Low) and F71 (battery overcurrent) faults on startup of XW Pro when using Li-ion Battery with Battery Management System.

### Known Limitations

- Analog and Digital I/O is not supported
- After downgrading an XW device, the gateway must be restarted.
- Upgrading from v1.07 and earlier to v1.08 and later will cause the cloud to be disabled, requiring the user to re-enable the cloud via the Web UI.
- The gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer

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## Version: v1.10 Build 433 [05 Feb 2021]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

### Features

- Summary of features
  - Added Grid and Generator time delayed disconnects
  - Universal firmware image supports Conext Gateway, InsightHome, and InsightFacility.
  - User Interface tool tips for device configuration
  - User Interface improvements for network and cloud connectivity
  - Firmware validation checking during device firmware upgrade prevents upgrade of invalid firmware.
  - Added time checking against browser/PC reference time to ensure gateway time is set correctly.
  - Added network connectivity monitor
  - Add support for NYSEG and ISO-NE grid codes
  - Add Grid Code Checksums
  - Added hysteresis values for AC Disconnect settings
  - Increased maximum password length to 20 characters
- Summary of fixes provided:
  - Fix problem preventing user login to the WebUI in some cases
  - Fix UI refresh issues when changing battery type
  - Fix loss of cloud connectivity credentials in some instances

### Known Limitations

- Analog I/O is not supported
- After downgrading an XW device, the gateway must be restarted.
- Upgrading from v1.07 and earlier to v1.08 and later will cause the cloud to be disabled, requiring the user to re-enable the cloud via the Web UI.
- The gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer

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## Version: v1.09 Build 418 [16 Sep 2020]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

### Features

- Summary of features
  - Support 120V Grid-Codes
    - Rule21-2018 120V
    - IEEE1547-2003 120V
    - IEEE1547-2003 120V 50Hz
    - PREPA-2017 120V
    - HECO Rule No. 14 - 2018 120V
    - HECO Rule No.14 - 2018 Molokai and Lanai 120V
    - IEEE 1547a-2014
    - IEEE 1547a-2014 120V
  - Add support for CAN BMS to Insight Home
- Summary of fixes provided:
  - Cloud Data Management improvements
  - Cloud User Authentication improvements

### Known Limitations

- EN50549 Grid Code selection is not functional
- Analog and Digital I/O is not supported
- Upgrading from v1.07 and earlier to v1.08 and later will cause the cloud to be disabled, requiring the user to re-enable the cloud via the Web UI.
- Conext™ Gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer

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## Version: v1.08 Build 415 [24 Jul 2020]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

### Features

- Summary of features
  - InsightLocal Re-branding
  - Support for InsightHome hardware
- Summary of fixes provided:
  - Slow operation after upgrade to v1.07
  - Missing battery chart data

### Known Limitations

- Upgrading from v1.07 and earlier to v1.08 and later will cause the cloud to be disabled, requiring the user to re-enable the cloud via the Web UI.
- The button hardware for custom operation is not user configurable.
- InsightHome BMS CAN port only supports extended CAN frames
- Analog and Digital I/O is not supported
- Conext™ Gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer

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## Version: v1.07 Build 414 [23 Jun 2020]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

### Features

- Summary of features
  - Support for Schneider Modbus BMS protocol
  - Support for AS.4777-2015 Australia/New Zealand Grid Code
  - Moved Grid Disconnect/Reconnect settings into grid codes UI section
  - System Event Reporting
  - System Health Status
  - System Level Regional Grid Code selection
  - Maps IEEE2030 Enter Service Default DER controls to XW Pro
  - Allow firmware upgrade of Xanbus devices in bootloader mode.
- Summary of fixes provided:
  - Improved cloud remote configuration interface
  - Fix missing MPPT device instance configuration
  - Fix WattNode power meter configuration registers
  - Reduced chart data loss due to unscheduled power loss

### Known Limitations

- The button hardware for custom operation is not user configurable.
- Analog and Digital I/O is not supported
- Conext™ Gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer

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## Version: v1.06 Build 406 [ 13 Feb 2020]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

### Features

- Summary of features
  - Zero sell support for XW Pro inverter/chargers
  - Continental Watt-Node meter support for Zero Sell operation
  - Support for HECO and HECO-ML grid codes for Hawaii
  - Optimized bandwidth for cloud data transmission
  - Added Modbus reserved registers to support larger block reads
  - Allowed configurable Wi-Fi Access Point IP address to prevent conflict with other networks.

### Known Limitations

- The button hardware for custom operation is not user configurable.
- Some charts may have incomplete data if Conext™ Gateway is restarted.
- Conext™ Gateway does not have a web server trusted root certificate.
- PDF Generation does not work correctly in Internet Explorer

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## Version: v1.05 Build 403 [ 10 Dec 2019]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

### Features

- Summary of features
  - Wi-Fi Station mode allows Conext™ Gateway to connect to a Wi-Fi Local Area Network (WPA2-PSK only)
  - Modbus TCP Maps (SunSpec Maps: 1, 102, 121, 123, 124, 802)
  - Modbus TCP Maps (Modbus maps similar to Conext™ Combox)
  - IEEE2030.5 Smart Energy Protocol Application Profile (Beta – Contact Schneider Electric to enable this feature)
  - Supports external power control mode for XW Pro devices (via Modbus or IEEE2030.5)
  - Stronger password enforcement and user management for improved security
  - Updated Cloud support for Conext™ Insight 2
- Summary of fixes provided:
  - Improved performance for configuration refresh
  - Fixed issue with reading Device Advanced Feature settings on startup
  - Minor Web User Interface fixes

### Known Limitations

- The button hardware for custom operation is not user configurable.
- Some charts may have incomplete data if Conext™ Gateway is restarted.
- Conext™ Gateway does not have a web server trusted root certificate.
- Conext™ Gateway may show low power levels reported from attached devices when no power is flowing.

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## Version: v1.04 Build 245 [ 27 May 2019]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneider-electric.com/product/conext-gateway/>

### Features

- Summary of features
  - Support for CL60 inverter
  - Support for State of Charge configuration settings on XW devices (feature not yet available on XW devices at time of this release)
- Summary of fixed provided:
  - Improved performance for configuration refresh
  - Fixed issue with reading Device Advanced Feature settings on startup
  - Minor Web User Interface fixes

### Known Limitations

See below

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## Version: v1.03 Build 198 [25 March 2019]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneiderelectric.com/product/conext-gateway/>

### Features

- Summary of features:
  - AC Coupling of CL25/CL36 inverters
  - Multi-cluster system with CL25/CL36 inverters
  - Supports PM3255 power meter
  - Supports PM8xx power meter
  - Xanbus configuration refresh progress bar implemented
  - Support for XW Pro Grid Codes.
- Summary of fixes provided:
  - Fixed a cloud connection issue
  - Xanbus configuration refresh mechanism fixed on the UI

### Known Limitations

- The button hardware for custom operation is not user configurable.
- Some charts may have incomplete data if Conext™ Gateway is restarted.
- Conext™ Gateway does not have a web server trusted root certificate.
- Conext™ Gateway may show low power levels reported from attached devices when no power is flowing.

PDF Generation does not work correctly in Internet Explorer

### Features not yet supported

- Analog and Digital Input and Outputs
- Wi-Fi Station Mode (Local Area Network connection via Wi-Fi)
- External control of devices via Modbus (Modbus Slave)
- Custom Data Logging

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## Version: v1.02 Build 135 [23 January 2019]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneiderelectric.com/product/conext-gateway/>

### Features

- This is the first general public release of Conext™ Gateway hardware and firmware.
- Summary of features:
  - Supported Xanbus devices – Conext™ XW+, Conext™ XW Pro, Conext™ SW, Conext™ MPPT 60 150, Conext™ MPPT 80 600, Conext™ AGS, Conext™ Battery Monitor, Conext™ SCP
  - Local system monitoring using Local Web User Interface.
  - Wi-Fi Access Point (AP) functionality – for direct connection to Conext™ Gateway device.
  - Connection to Conext™ Insight 2 Remote Monitoring Service

### Known Limitations

- The button hardware for custom operation is not user configurable.
- Some charts may have incomplete data if Conext™ Gateway is restarted.
- Conext™ Gateway must be restarted if the network connection is changed.
- Conext™ Gateway does not have a web server trusted root certificate.
- Conext™ Gateway may show low power levels reported from attached devices when no power is flowing.
- PDF Generation does not work correctly in Internet Explorer

### Features not yet supported

- Analog and Digital Input and Outputs
- Wi-Fi Station Mode (Local Area Network connection via Wi-Fi)
- External control of devices via Modbus (Modbus Slave)
- Custom Data Logging
- AC Coupling of inverters using Modbus (e.g. Conext™ CL-25, Conext™ CL-60)

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## Version: v1.01 Build 99 [19 December 2018]

Please clear your web browser cache before login to web GUI.

Download the latest firmware (.epkg) from <https://solar.schneiderelectric.com/product/conext-gateway/>

### Features

- This is the first customer release of Conext™ Gateway hardware and firmware.
- Summary of features:
  - Supported Xanbus devices – Conext™ XW+, Conext™ XW Pro, Conext™ SW, Conext™ MPPT 60 150, Conext™ MPPT 80 600, Conext™ AGS, Conext™ Battery Monitor, Conext™ SCP
  - Local system monitoring using Local Web User Interface.
  - Wi-Fi Access Point (AP) functionality – for direct connection to Conext™ Gateway device.

### Known Limitations

- Cloud connection is not available (Cloud will be available in v1.02 ).
- The button hardware for custom operation is not user configurable at this time.
- Does not support connection to customer LAN via wireless router a.k.a. Wi-Fi – Station mode.
- No support for Analog and Digital Input and Outputs.
- Dashboard and Power Flow may not be reliable when Xanbus devices are in standby state or when AC Load output is in no load condition.
- Some charts may have incomplete data if Conext™ Gateway is restarted.

### Compatibility

- Conext™ Gateway is next generation to Conext™ ComBox. It supports all Xanbus devices same as Conext™ ComBox.