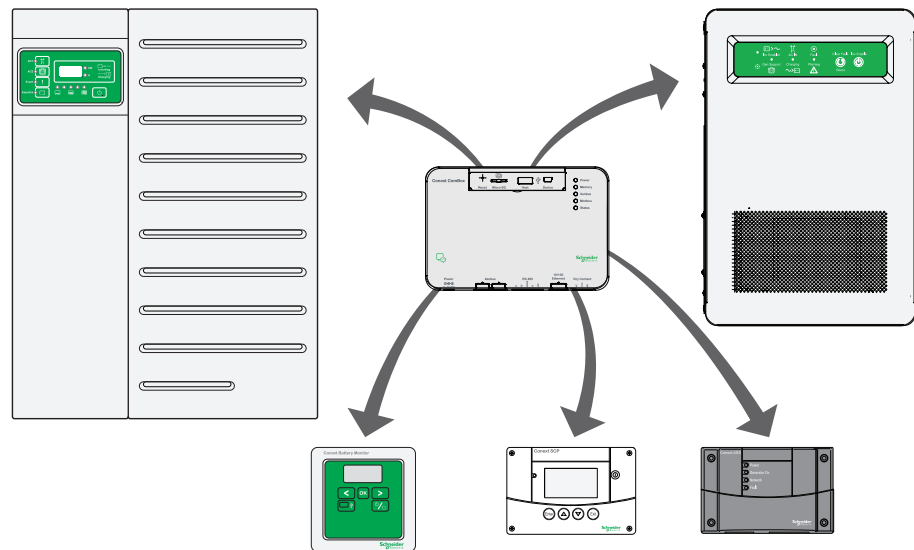


Firmware Update Guide



1

⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

This Firmware Update Guide is in addition to, and incorporates by reference, the relevant product manuals for each product in the Conext family of power devices. Before reviewing this Firmware Update Guide you must read the relevant product manuals. Unless specified, information on safety, specifications, installation, and operation is as shown in the primary documentation received with the product. Ensure you are familiar with that information before proceeding.

Failure to follow these instructions will result in death or serious injury.

Overview

The Conext battery-based range of products such as the XW+ and CSW inverter/chargers and the ComBox monitoring device require periodic firmware updates to ensure that they are functioning with the latest features. These updates must be performed at the site where the hardware is installed. An experienced Conext user can perform the updates.

Scope

This document summarizes the important steps involved in updating the firmware starting with the ComBox then moving on to an XW+ or CSW device or any Conext accessory such as the Battery Monitor, SCP, and AGS. The update process involves using a firmware package available online through <http://solar.schneider-electric.com>.

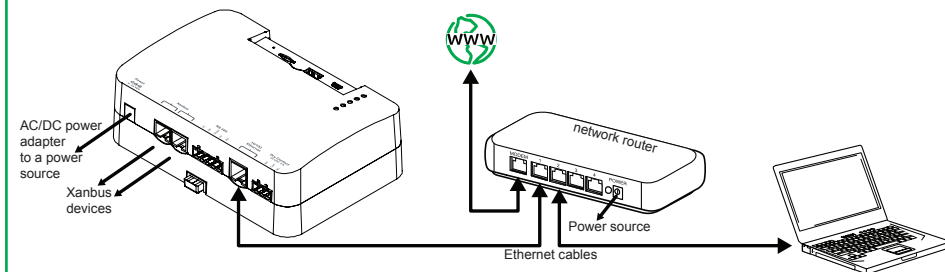
What You Need

- Conext ComBox. Refer to the link below on how to set up, configure, and power the Conext ComBox: <http://solar.schneider-electric.com/product/conext-combox/>
- Conext XW+ or CSW inverter/chargers. Refer to the link below on how to set up, configure, and power the devices: <http://solar.schneider-electric.com/product/inverterchargers/>
- USB thumb drive (1GB minimum size) to upgrade the devices' firmware, if required
- CAT5/e or CAT6 cables for network connections
- Network router (that supports DHCP) with internet connection.
- Laptop/desktop computer
- Web browser - IE version10+, Firefox version 34+, Chrome version 31+

2

Upgrading the ComBox Firmware

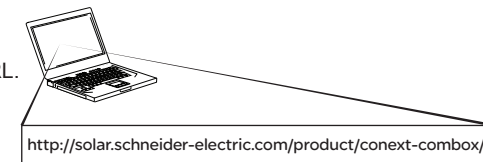
- ▶ Follow the requirements listed in "What You Need". Follow a similar setup below.



- ▶ Insert a blank USB thumb drive.



- ▶ Open a web browser and go to the URL.

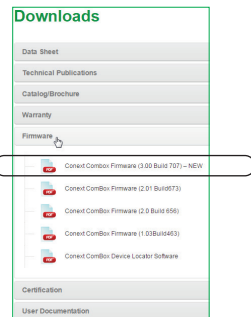


- ▶ Click on **DOWNLOADS**.



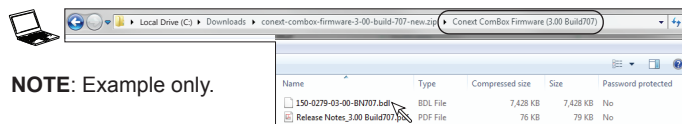
2a

- Select the latest firmware (designated as *NEW*)



NOTE: The compressed file will download to the computer's local drive.

- Open the compressed file.

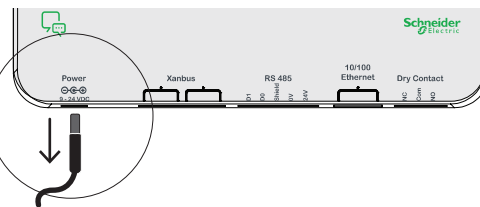


NOTE: Example only.

- Save the .bdl file to the root directory of the USB thumb drive.

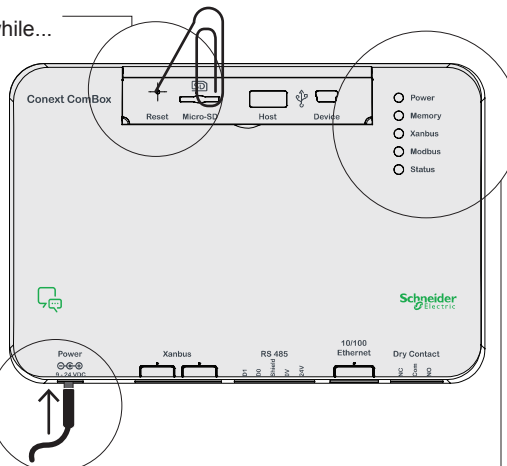


- Turn off the power to the ComBox.



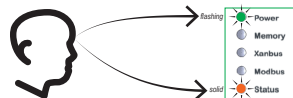
2b

- Press and hold the **Reset** button while...

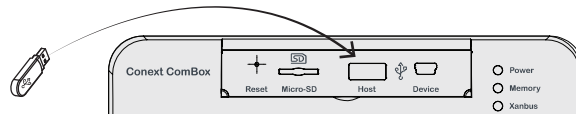


- ... turning on power.

- Release the **Reset** button when



- Insert the USB thumb drive

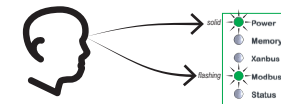


2c

- Remove the USB thumb drive when

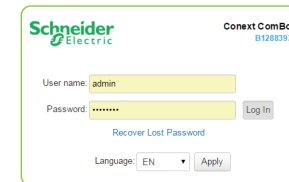


- Upgrade is complete when



- Clear web browser cache.

- Log in to the Conext ComBox web user interface with your user name and password.

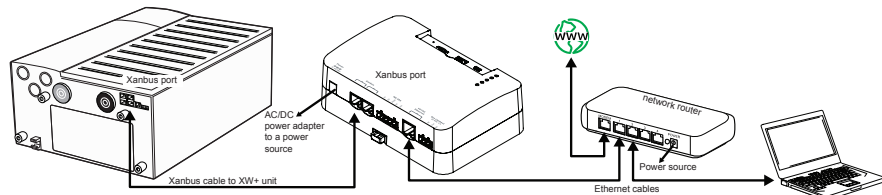


NOTE: Refer to the ComBox Owner's Guide for detailed instructions on how to log in.

3

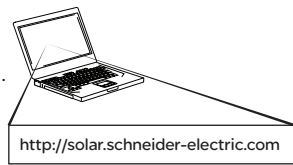
Upgrading the Firmware of Xanbus Devices using the ComBox

- Follow the requirements listed in “What You Need”. Follow a similar setup below.

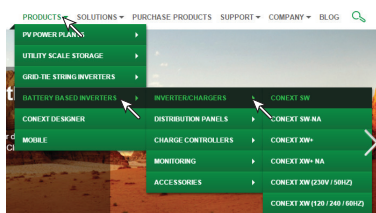


NOTE: Any XW+, CSW, Battery Monitor, SCP, or AGS connected to the Xanbus network may be updated.

- Open a web browser and go to the URL.



- Select the product that needs a firmware upgrade.



- Click on **DOWNLOADS**.

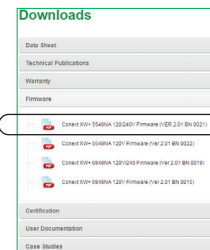


3a

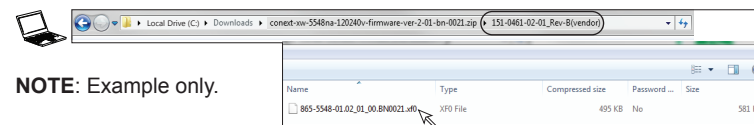
- Select the latest firmware (designated as *NEW*)

If there is no *NEW* designation, look for the top row in the list.

NOTE: The compressed file will download to the computer's local drive.



- Open the compressed file.

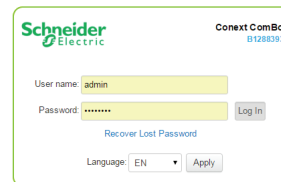


NOTE: Example only.

- Save the .xfo file to the root directory of the computer's local drive.



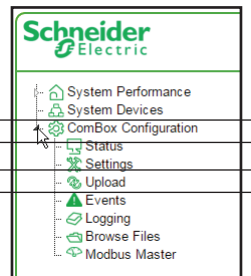
- Log in to the Conext ComBox web user interface with your user name and password.



NOTE: Refer to the ComBox Owner's Guide for detailed instructions on how to log in.

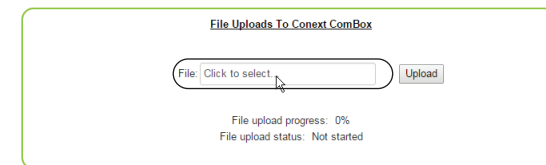
3b

- Click the arrow to expand **ComBox Configuration** in the menu tree.



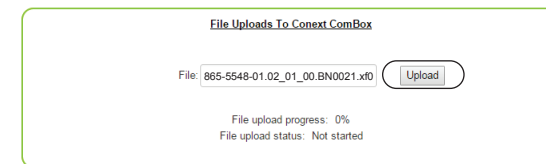
- Click **Upload** in the menu tree.

- Under **File Uploads to Conext ComBox**, double click on **Click to select...** in the File field.



Look for the .xfo file within the computer's local drive and select it.

- Click the **Upload** button to transfer the file into ComBox.



Example: XW+ 5548



Once the file is successfully transferred to the Conext ComBox, go to the **Xanbus Device Upgrades** section.

Select the **Device** you want to upgrade from the drop-down list.

Click to confirm you have selected the device you want.

Click to activate a visual (such as a flashing LED) and/or audio (such as in AGS) indicator on the selected device.

Select the correct **.xf0** file for the device upgrade in **Firmware file**.



Click **Upgrade**.

NOTE: Device upgrade progress is indicated in percentage. The Device upgrade status shows **OK** when the upgrade has completed successfully. If the device upgrade is not successful, click **Upgrade** again to retry.

If retrying does not work:

- Do a power cycle of the Xanbus device that is being upgraded.
- Retry clicking Upgrade on the web interface.

NOTICE

EQUIPMENT MALFUNCTION

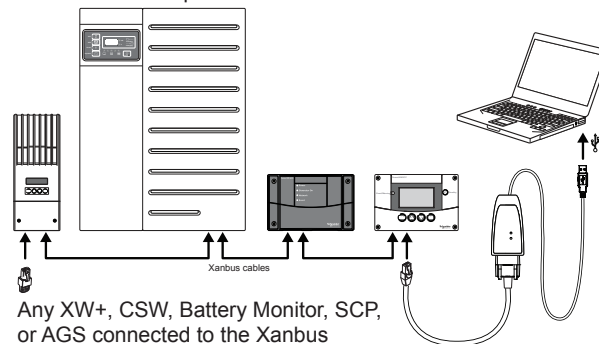
Certain devices such as the Conext Battery Monitor can take longer than others to upgrade. Always allow time for the device upgrade to complete. Do not power cycle the device if the upgrade is still in progress.

Failure to follow these instructions can damage equipment.

Upgrading the Firmware of Xanbus Devices using the Config Tool



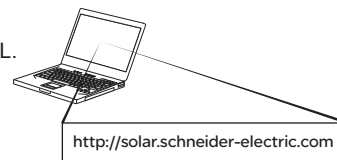
Follow the requirements listed in “What You Need” including the USB-to-Xanbus Adapter. You may have a similar setup below.



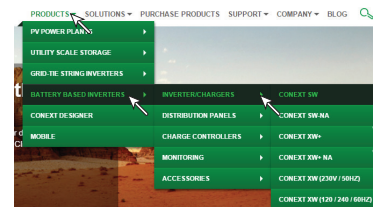
NOTE: Any XW+, CSW, Battery Monitor, SCP, or AGS connected to the Xanbus network may be updated.



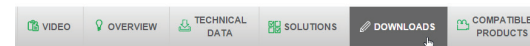
Open a web browser and go the URL.



Select the product that needs a firmware upgrade.

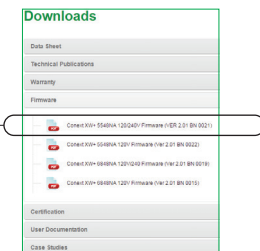


Click on **DOWNLOADS**.



Select the latest firmware (designated as *NEW*)

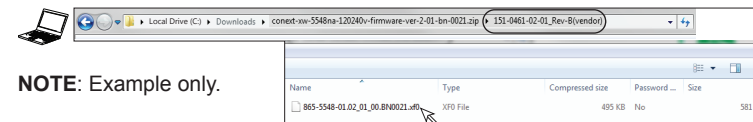
If there is no *NEW* designation, look for the top row in the list.



NOTE: The compressed file will download to the computer's local drive.



Open the compressed file.



NOTE: Example only.



Save the **.xf0** file to the computer's local drive such as **C:\User\AppData\Roaming\CnxtCfgTool\Firmware**.



Download the latest firmware for each product that you need to upgrade and save their **.xf0** files to the same folder: **C:\User\AppData\Roaming\CnxtCfgTool\Firmware**.



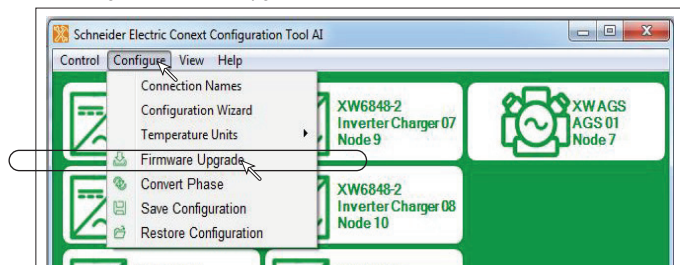
4b

- Open the **Config Tool** program.



NOTE: Install the Conext Config Tool, if not already.

- Go to *Configure > Firmware Upgrade*



- A **WARNING** box with the message below appears. Click **OK** to proceed.

⚠ Upgrading the firmware causes all devices to stop power conversion and enter standby mode as a safety feature. Power conversion can be resumed after the upgrades are complete.

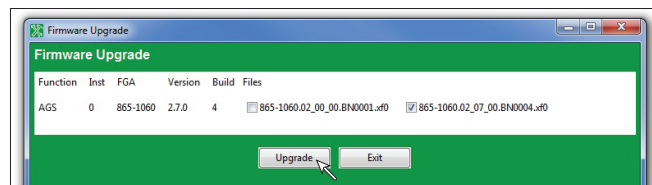
- Navigate and select the folder which contains all the firmware files that were downloaded. The **Firmware Upgrade** window appears.

NOTE: If a firmware file is more recent than the device's current version, its checkbox is automatically selected. You may select an older version, by checking the box.

4c



- Click **Upgrade**.



NOTE: Progress bars for each device will be displayed below the panel, as well as an overall progress bar. Firmware is upgraded on one device at a time. No firmware changes are made to a device until the previous device is fully upgraded.

