



ECpvX Cluster SW update Guide

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Document change log

2022-09-07	First version
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Introduction

This document explains the options available for updating the SW in the ECpvX Cluster.

Before updating the SW

When the SW is updated all settings will be set to default values and all counters of energy etc. are cleared. If to be able to return/keep the settings and counters after the SW update then backup of Settings and Counters are to be made before updating the SW. The Backup handling is found under the Identifiers menu.

ENcombi ADMIN

Backup	Date	Action
Settings	2021-06-23-11:20:43	
Counters	2021-08-27-14:10:17	

MAC address: 0030569108A2

Device backup page.
Following backups can be made:

1: Settings backup.
2: Counter backup.

The backups are saved and loaded locally on/from the device.
One backup for each function exist only.
Saving a new backup will overwrite any existing backup.

Backups can also be saved and read in/from cloud service.
One backup for each function per device can be saved only.
Reading a backup from cloud service,
will overwrite any existing local backup.

Furthermore backups can be saved on and loaded
from USB memory stick.

To clone a device, backups created from other devices
can be read from the cloud and loaded.
To do so the MAC address of the device to clone from
must be typed in. The refresh button resets to the
MAC address of the device itself.

2021-08-08-10:07:18

Both Settings and Counters backups can be:

1. Generated and stored locally on internal memory of ECpvX Cluster.
2. Loaded into ECpvX Cluster project from internal memory of ECpvX cluster.
3. Copied from internal memory of ECpvX Cluster to ENcombi cloud for safe storage.
4. Read from ENcombi cloud to internal memory of ECpvX Cluster.
5. Generated and stored on USB-stick.
6. Loaded into ECpvX Cluster project from USB-stick.

The backups are to be generated before updating the SW. After the SW update is complete the backups can then be loaded into the ECpvX Cluster project afterwards.

Updating via USB

This approach is supported from all ECpvX Cluster versions.

Requirements

In order to update the ECpvX Cluster SW via USB stick the following is required.

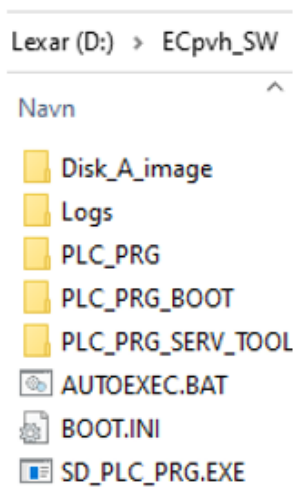
- ECpvX Cluster application SW from ENcombi.
- Laptop.
- USB stick.

Recipe

The ECpvX Cluster application SW is available on the ENcombi website:

<http://www.encombi.com/products/ecpvx/>

- The SW is downloaded as a zip file.
- Create a folder "ECpvX_Cluster_SW" in the root of a USB stick and copy the content of the zip file into the folder as shown below.



- Stick the USB stick into ECpvX Cluster.
- Switch to the Boot application from within ECweb.

Application

Application: ECPVX BOOT



Application swap page.
Here it is set up which application to run.
When toggling between applications, the device is to be reboot. Any settings made in the ECpvx application will be lost in the process. Store a backup before leaving the ECpvx project if any settings are made that is to be restored when reverting to the ECpvx application. Browser needs refreshing when the device has rebooted.

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- Click the binoculars button to start the SW update from the USB stick.



Device project update via USB.

- 1: Create an empty folder on your laptop named ECpvx_SW.
- 2: Download the SW file from the website.
- 3: Unzip the downloaded file.
- 4: Navigate to the SW version folder.
- 5: Copy the content of the SW version folder.
- 6: Paste the content to the ECpvx_SW folder.
- 7: Copy the ECpvx_SW folder to the root of a USB stick.
- 8: Insert USB stick into the device.
- 9: Click the search for SW button.
- 10: Wait for the process to complete.
- 11: If completed successfully then revert to the ECPVX application.



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- Once SW update sequence is completed successfully, switch back to the ECpvX Cluster application. Do not revert to the ECpvX Cluster application in case a SW update attempt is interrupted and failed. In this case make a new SW update and complete it successfully before reverting to the ECpvX Cluster application.
- For the first start up it will be approximately 60s until "Run/Stop" LED is illuminated and ECpvX Cluster is ready to operate. Thereafter it will be the normal approximately 30s.

Updating via SD card

This approach is supported from all ECpvX Cluster versions.

Requirements

In order to update the SW in an ECpvX Cluster via SD card the following is required.

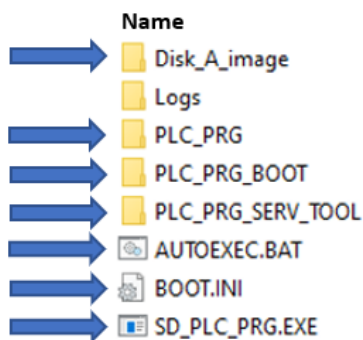
- ECpvX Cluster application SW from ENcombi.
- Laptop.
- SD card reader.

Recipe

The ECpvX Cluster application SW is available on the ENcombi website:

<http://www.encombi.com/products/ecpvx/>

- The SW is downloaded as a zip file.
- Unzip the file and locate the folder structure below.



- Power down the ECpvX Cluster.
- Remove the SD card from the ECpvX Cluster.
- Stick the SD card into your laptop and delete the marked folders and files in the root.
- Paste the same just unzipped folders and files from laptop to the root of the SD card.
- Remove the SD card from your laptop and stick it back into the ECpvX Cluster.
- Power up the ECpvX Cluster. For the first power up it will be approximately 60s until "Run/Stop" LED is illuminated and ECpvX Cluster is ready to operate. Thereafter it will be the normal approximately 30s.