

GrowSphere

FW Upgrade



May 2022

Purpose

The purpose of this document is to provide a guideline for FW upgrade process.

1. Prepare a clean SD card formatted to FAT32.
2. Acquire the wanted version files folder, in the folder is zipped extract the folder.
3. Copy the content of the folder into an empty SD card.
4. These are the files the SD card should contain:

Name	Type
FIRMWARE	File folder
USERDATA	File folder
SDCARD.INI	Configuration settings
Version.txt	Text Document
Version.txt.sig	SIG File

5. While the PLC is off, Insert SD card to PLC.
6. Power the PLC on
 - 6.1. If a new FW was found on the SD card, RUN and ERR LEDs will start blinking in 1 HZ,
7. Wait ~5min until only the RUN LED is blinking.
8. Power the PLC off
9. Take out the SD card.
10. Power the PLC on
11. Wait 1 min.
12. Power the PLC off and on (power cycle)
13. if the process was successful RUN LED should be constantly on
(ERR LED might be red, that is OK)