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Update Steps:

1. To update your CPU via FTP, you first must configure and activate the FTP server with the set checkbox "Allow Firmware update".
=> (details see in documentation of ABB Control Builder Plus Software, chapter *Configuration of the FTP server*).

2. Connect to your CPU's system ramdisk (i.e. memory location "ramdisk").
=> (details see in documentation of ABB Control Builder Plus Software, chapter *Connection to a PLC Running a FTP Server*).

3. Switch your CPU to STOP.

4. Copy the according *.gza* file to the system ramdisk (= memory location *ramdisk*):

Product	Name of Firmware File
PM55x-ETH, PM56x-ETH	Pm55xE.gza
PM57x-ETH, PM58x-ETH	Pm58xN.gza
PM59x, PM59x-ETH	Pm59xRD.gza
PM595-x-4ETH	Pm595.gza

⇒ The CPU will automatically update its firmware with the downloaded file, flashing the RUN and ERR LEDs.

As of V2.5 copy file *SDCARD.INI* to the system ramdisk. As of V2.5 all firmware updates are triggered by the command file *SDCARD.INI.* This is independent from the way of the firmware update (SD card, FTP, *write file to plc*, …). In addition a result file of the firmware update is generated (*SDCARD.RDY*, identical path as *SDCARD.INI*). The evaluation of this file shows the results of the updates.

5. Wait until all LEDs ceased toggling.

6. Power cycle your PLC and the new firmware will be loaded.

Potential problems:

- If you cannot connect to your CPU, check if the FTP server is configured and running correctly.
- If you cannot download the file, increase your configured "Sessions". Some FTP clients require more than one FTP connection for their operations, because logins and downloads are handled in separate sessions.
- If you downloaded the *.gza* file into the ramdisk, but the CPU does not start to update (i.e. the LEDs do not toggle):

  - Check, if the option *Allow firmware update* is set for the FTP server.
  - Check, if the CPU is in STOP state; in RUN state no firmware update is allowed.
  - Check, if you copied the correct firmware file.
  - Check, if you copied the file into the correct memory location (correct is *ramdisk* - incorrect is "sramdisk", "userdisk", "flashdisk", "sdcard").