

How to do

Firmware Update Speed7 CPUs from version 1.25 to a higher version, e. g. V1.34

Attention: You need at least FW:1.25 for an update to higher versions.
The DP-master must have at least FW edition 1.04.

Update of the CPU firmware:

Please also see the respective chapter in manual HB140.

1. You need an MMC card with max. 256 MB !
This MMC card must be formatted as FAT16, new cards are usually formatted as FAT 16 already.
2. Additionally you need a firmware package for the CPU (e.g. px000001.pkg) and for the integrated Profibus-DP master (px000003.pkg). You can download these packages from our ftp-server.

<ftp://ftp.vipa.de/support/firmware/System 300S/CPU>
ftp://ftp.vipa.de/support/firmware/System 300S/DP_Master

There you can find the appropriate firmware files for all available Speed7 CPU's in each latest two versions. The files are available as ZIP-files on the server.

e.g. CPU	ZIP-file	FW package
CPU317-2AJ10	Px000001_v134.zip	px000001.pkg
CPU315-2AG10	Px000002_v134.zip	px000002.pkg
and integrated master	ZIP-file	FW package
CPU317-2AJ10	Px000003_v109.zip	px000003.pkg
CPU315-2AG10	Px000003_v109.zip	px000003.pkg

3. Please unpack the package and save it as .pkg-file on the MMC card.
4. Overallrest the CPU.
5. Please set the RUN-STOP switch of your CPU in STOP position.
6. Switch off the power supply.
7. Put the MMC card with the firmware (pkg-files) in the CPU. Please observe the correct direction when inserting the MMC.
8. Switch on the power supply.
9. After a short start-up period the rotational flashing of the LEDs SF and FRCE shows that the firmware data was found on the MMC.
10. Transfer of firmware is starting by putting the RUN/STOP switch to MRES for a second and remove it to STOP position. This action has to be done within 10 s.
11. During the update process the LEDs SF and FRCE are flashing rotationally and the MCC-LED is illuminated. This process can take some minutes. As the master firmware is being updated at the same time, the LEDs on the master will illuminated, too.
12. The update has been finished correctly when all LEDs on the CPU with the exeption of the RUN-LED are illuminated. In case they are flashing very fast, an error occurred during the updating process.
13. Now, please switch the CPU off and on. The CPU is now checking if a further update is necessary. In that case the LEDs SF and FRCE are flashing alternately. Please accomplish a new update (go on at topic no. 10).
In case the LEDs are not flashing, the update is finished and the CPU is ready for operation.