

10. FW UPDATES AND FILE DOWNLOAD - USB

FAAC provides updated firmware in a package called ZIPACK, which contains the files in versions that are compatible with one another. In order to be used, the files must be saved to the root directory of a USB storage device (not in a folder or zip file and without the original names being changed).



Use a USB memory device that has a maximum power consumption of 500 mA and formatted with the FAT or FAT 32 file system. The NTFS format is not recognised by the board.

AUTOUPDATE

This procedure is available starting from Bootloader version 2.0.

For boards with previous versions, carry out the manual update procedure from the Upload / Download Menu.

1. With the board switched on, insert the USB memory device into connector J17, then press and release the RESET button. (alternatively, with the board switched off, insert the USB memory device into connector J17 and then switch on the board).
2. \square will appear on the display: the board automatically loads all the files that are needed to update the board and all the connected accessories from the USB storage device.
 - $--$ appears on the display while the board is being updated, then, when the update has finished, it reverts to displaying \square ; the display then switches to the FW version and then to the door status display. (It is possible to access the Upload/Download menu by pressing and releasing the **F** button within 3 s from when \square appears on the display).

It is not necessary to remove the USB storage device.

UPLOAD/DOWNLOAD MENU

1. With the board switched on, insert the USB memory device into connector J17, then press and release the RESET button. (alternatively, if the board is switched off, insert the USB memory device into connector J17 and then switch on the board).
2. \square appears on the display and the USB led turns on.
3. Press and release the **F** button to scroll through the Upload / Download Menu options (see relative table).

Upload operations (updating or loading settings)

Press and hold the **+** and **-** buttons simultaneously for at least 3 seconds in order to carry out the procedure displayed.

- the update starts: $--$ flashes on the display. Release the buttons.
- The procedure is complete when \square appears on the display.

If there are errors \square appears on the display and the red ERR led is lit. To display the error code, press the **+** and **-** buttons simultaneously. The errors are described in the Diagnostics Section.

- Press **F** to return to the menu.

When finished, remove the USB storage device.

Download operations (saving files from board to USB)

Press and hold down the **+** and **-** buttons simultaneously for at least 3 seconds in order to run the function displayed, until \square appears on the display.

Release the buttons and use the **+** or **-** buttons to select the method for saving the file to the root of the USB storage device: \square (overwrite) or \square (add).

Press **F** to confirm.

- The procedure is complete when \square appears on the display.

If there are errors \square appears on the display and the red ERR led is lit. To display the error code, press the **+** and **-** buttons simultaneously. The errors are described in the Diagnostics Section, \square Bootloader errors.

- Press **F** to return to the menu.

When finished, remove the USB storage device.

Files in the ZIPACK	Bootloader 1.0 and later	Bootloader 0.5
board firmware (\square)	E1SL_xx.hex	1400.hex
KS EVO firmware (\square)	KS_xx.hex	KS EVO.hex
LK EVO firmware (\square)	LK_xx.hex	LK EVO.hex
SDK EVO firmware (\square)	SDK_xx.hex	SDK EVO.hex
SDK EVO languages (\square)	SDKL_xx.bin	SDK EVO_L.bin

Files saved from the board	Bootloader 1.0 and later	Bootloader 0.5
programming (\square \square) ^(*)	E1SL.prg	1400.prg
programming TIMER (\square \square) ^(*)	E1SL.tmr	1400.tmr

^(*) The \square mode saves the file without a suffix and overwrites any existing file with the same name in the USB memory (e.g. E1SL.prg). The \square mode saves the file by adding a 2-digit suffix to the name (e.g. E1SL00.prg) and if there is already a file with the same name in the root of the USB storage device, the number of the suffix is incremented (e.g. E1SL01.prg and so on). **Note:** the suffix must be deleted if you wish to load the file from the UPLOAD MENU.

Files saved from a board with bootloader version 0.5 cannot be loaded onto a board with bootloader 1.0 or later, and vice versa.

BOOTLOADER AND FW VERSIONS

SDK EVO allows the firmware versions (APP) of the SDK EVO, the E1SL board, the DM board, if the DM KIT is installed, and the installed devices to be displayed.

SDK EVO: \square /INFO

\square 8 Upload/Download Menu

\square	Board FW update
\square	SDK EVO, LK EVO, KS EVO firmware update including translations of messages displayed by the device
\square	Load the E1SL board programming.
\square	Load the TIMER programming
\square	Save the board programming
\square	Save the board's TIMER configuration ^(*)