Update guidance

New **controller firmware** and **FPGA image** (sound engine) may be installed by upload from a PC or a standard SD or SDHC card. New **DSP** software and wave files may be installed by upload from a PC to the HX3.5 USB port only. Please see HX3.5 DSP Updates for details on updating the DSP firmware.

The **HX3.5 Editor** application is able to trigger updates from SD Card or to perform update transfers via MIDI (including MIDI over USB) or via USB to serial adaptor (i.e. FTDI cable or FTDI breakout board). Please see the HX3.5 Editor User Manual for details.

Firmware updates and setup scripts from SD card may as well be selected via the **menu panel**.

Firmware updates from the SD card may also be triggered **automatically** on power on by script.

An appropriate SD card adaptor is available from KeyboardPartner. Attach SD card adaptor cable to HX3.5 board connector PL17. Please see HX3.5 Installation Manual for details.

Unzip and copy all files from the appropriate ZIP file "UPDATE" to a local folder or to an empty SD or SDHC card, respectively.

If using an SD card please make sure that all files are located in the card's root directory. Insert SD card in HX3.5 card adaptor and power up HX3.5 (Reset/Restart). An update will start automatically on power-on if a file called "autorun.ini" is present on SD card. Once the update is completed, this file will be renamed to "_autorun.ini" to prevent further obsolete updates.

If present, an additional script named "config.ini" is run when an "autorun.ini" update has been performed. It will customize basic HX3.5 settings for the specific hardware configuration. When "config.ini" is done, it will be renamed to "_config.ini".

To select an update file or a script in the menu system, navigate to

- **Setup File** – selection of setup script from SD card (adaptor required)

To select a script file, turn encoder knob; to start the script, press and hold encoder knob for at least 2 seconds until "Run Setup file" message appears.

Scripts consist of a series of text commands; they can change a series of parameters or invoke a firmware update. Please see the manual HX3.5 SD Card Usage in our wiki for details on scripts.