How to update the firmware on Faderfox SC4

Preparations

- to load a new firmware into the controller you need a sysex dump software like
  Bome 'Send SX' for Windows (http://www.bome.com/products/sendsx) or
  Snoize 'SysEx Librarian' for Mac (http://www.snoize.com/SysExLibrarian/)

- please download one of these tools and install it on your computer first

- download the firmware file (SC4 Vxxxx.SYX) from the SC4 product site to your computer
  (http://faderfox.de/sc4.html section 'Updates')
  (xxxx in filename stands for version number, for instance 0202 means version 02.02)

Firmware update procedure

- hold down the right shift key on SC4 while you plugging the USB cable

- release the shift key when the display lights up

- now you can see the current firmware version in the display

- after 3 seconds the display shows 'Ud00' so the device is ready to receive firmware data

- open the sysex dumper on your computer

- select the midi out port 'Faderfox SC4' (Bome menu 'Midi Out' or Snoize dropdown 'Destination')

- load the sysex file 'SC4 Vxxxx.SYX' (Bome menu 'File/Open' or Snoize 'Add' button)

- start sending the data (Bome 'Send' button or Snoize 'Play' button)

- the display on SC4 counts up to 'Ud99' and then the new firmware starts automatically

- if you get an error 'UdEr' you should cancel/stop the download and press the right shift key on the device shortly
  after the device is ready again (display 'Ud00') you can repeat the download

- after successfully download reconnect the device by the USB cable
  and check the display for the new firmware version

Tips

- to speed up the download in Bomes 'Send SX' please open the settings (menu 'Options/Settings'),
  take the speed slider to he rightmost position (very fast) and close the settings window
  you can do that also while the download runs.