

Software Update Instructions for V-Eight

What you will need to update your V-Eight

You will need a PC or Mac, Midi sequencer program and a Midi interface. Updating the V-Eight is very easy. You haven't either disassemble your PC nor open your V-Eight normally. Read this instruction carefully before you execute the procedures. Please follow advises step by step. Until you have not executed item 6 and higher, you may switch off equipment without hurting the code.

- Install Midi Interface on your PC or Mac platform. Install certain driver to the hardware (refer to PC or Mac DOS Manual).
- Install Midi sequencer program and test program for proper run before download code.
- Connect Interface Midi-Out to Midi-In of your V-Eight by a Midi cable.

Loading CODE SEGMENT

Important: Nearby in all cases the CODE SEGMENT must be updated only (this is Program Code). Loading the CODE SEGMENT is not bound to the affect of the BOOT SEGMENT. Therefore updating the Program Code is the only need if not indicated particularly. Please be sure **you are being load the CODE SEGMENT** in the following procedure and the MIDI-Cable is connected to the PC-Interface and the V-Eight! The display wording of the V-Eight's messages maybe slightly different and depends on soft ware versions.

1. Start Midi sequencer program and load new **CODE SEGMENT** software (e.g. v8c203.mid - maybe your sequencer will note: "This file contains System Exclusive datas" - this is alright). Please stop NOW and do not enter! Prepare V-Eight now.
2. Press and keep holding **ALL SAFE** and **EDIT** keys simultaneously during Power-up the V-Eight. Note: Display should show after Studer V-Eight..... Safe Mode **Inactive** for a while. This procedure is a need for accessing to the extended menus. If not properly done, redo procedure after Power OFF (Note: The display mustn't show Save mode Active).
3. Note PG-Delay value on a piece of paper. This value is accessible after pressing **UTILITY** key repeatedly until menu PG Delay Value = nnnn. is appearing.
4. Press **MIDI** key repeatedly (or press and hold **MIDI** while pressing **7** on keypad) until the display shows Load Software?.
5. Press **Δ/Yes** once on the keypad. The display shows Program code block? Press **Δ/Yes** once again. The display shows Code seg will be erased., followed by Press ENTER to confirm/or press NO to exit.,respectively.
6. Confirm message by pressing **NAME**, now. The display shows Erasing Code Segmentand then - after a while display will show Rdy To Receive Software.
7. Switch back to your PC. Start downloading the midi file by entering [OK], now. The display will show Please wait - updating while this is in progress (this message depends on soft ware version). This takes several minutes.
8. The V-Eight will automatically reboot following a successful Code Segment transfer. Note: After interrupted SW Download the display will show: Incomplete reception of software - retry. Switch OFF and ON the V-Eight again. The display will show: Need new code segment. Please go back to point 6. and redo procedure.
9. After successful loading soft ware, check PG delay again by the value you have noted before. Maybe the value has not changed.
10. Power-down machine. Press and keep holding **ALL SAFE** during Power-up the V-Eight. Note: Display should show after Studer V-Eight..... Safe Mode Active. This procedure brings equipment into safe status mode - for normal use. The soft ware update is done now and the V-Eight is ready to work.

Loading BOOT SEGMENT

Important: In rare cases the BOOT SEGMENT must be updated. The BOOT CODE is not bound to the CODE SEGMENT upgrade and therefore individually to be replaced. Please be sure **you are being load the BOOT SEGMENT** software in the following procedure and the MIDI-Cable is connected to the PC-Interface and the V-Eight! The display wording of the V-Eight's messages maybe slightly different and depends on soft ware versions.

1. Start Midi sequencer program and load new **BOOT SEGMENT** software (e.g. v8b102.mid - maybe your sequencer will note: "This file contains System Exclusive datas" - this is alright). Please stop NOW and do not enter! Prepare V-Eight now.
2. Press and keep holding **ALL SAFE** and **EDIT** keys simultaneously during Power-up the V-Eight. Note: Display should show after Studer V-Eight..... Safe Mode **In**active for a while. This procedure is a need for accessing to the extended menus. If not properly done, redo procedure after Power OFF (Note: The display mustn't show Save mode Active).
3. Press **MIDI** key repeatedly (or press and hold **MIDI** while pressing **7** on keypad) until the display shows 7 Load Software?.
4. Press **Δ/Yes** once on the keypad. The display shows Program code block?.
Press **∇/No** once. (**Note** that the **∇/No** key toggles between Boot or Code Segment). The display shows: Program boot block?.
5. Press **Δ/Yes** once. The display shows in headline format: Boot segment will be erased.
followed by Press ENTER to confirm / or press NO to exit, respectively.
6. Confirm message by pressing **NAME**, now. The display briefly shows Erasing Boot Block and then Rdy To Receive Software.
7. Switch back to your PC. Start downloading the midi file by entering [OK], now. The display will show Please wait - updating , while this is in progress.
8. The V-Eight will automatically reboot following a successful Boot Segment transfer.
9. Power-down machine. Press and keep holding **ALL SAFE** during Power-up the V-Eight. Note: Display should show after Studer V-Eight..... Safe Mode **Act**ive. This procedure brings equipment into safe status mode - for normal use. The soft ware update is done now and the V-Eight is ready to work.

Note : If the BOOT SEGMENT should have been erased by mistake, it is still possible to download boot data again. Power down machine, remove upper cover and insert a Jumper to position J8 on the Main Board (left hand PCB - near mid area of PCB). Restart the V-Eight (start at item 2 again) and follow display readings. Start sending the new BOOT SEGMENT code file, if ready. **DO REMOVE JUMPER** after SW reload and check PG Delay Value! The value may not be equal 5900! If so, reenter value labeled onto transport.

Various combinations of MIDI interfaces and download applications are suitable for programming the V-Eight. The following items have been used successfully.

Hardware Interface: PC-MIDI 2/4.
http://www.ees-musik.de/ees_html.d/com_int.htm

Sequencer Software for PC:
<http://www.cakewalk.com/download/index.html>
Cakewalk Pro Audio 8.01 (10.7 MB)

Sequencer Software for Mac:
<http://www.downloads.alesis.com/software/>
Bin-hex (479k) Freeloader.