

## RiffBox Firmware Version 4.2 Upgrade

### Fixes in this version:

- 1) All fixes in firmware versions 2, 3, 3.1 and 4.1.
  - 2) When loop recording starts with the first note that you play, false triggering could happen with string noises etc. This update makes RiffBox less sensitive to string noises as you increase the threshold value.
  - 3) When RiffBox is determining the loop length based on a repeated rhythm or note pattern, the loop playback now matches your playing much more closely.
- See the new 4.1 users manual for more information.

### Upgrade procedure:

*Note: This procedure should only take a few minutes. You need to be familiar with how to send and receive MIDI sysex files to and from your computer. Do not disconnect the MIDI cable, disconnect or turn off the power to RiffBox or interrupt the MIDI transfer as this could cause problems. In the worst case, this could yield a non-working device that will need to be re-loaded with firmware at the manufacturer.*

- 1) If you want to keep your current presets, connect the MIDI output from RiffBox to the MIDI input of your computer. Then set the MIDI channel to zero and press the left control knob. This will send a sysex dump of all your presets to your computer when using a program such as MIDI-OX. Make sure to save the sysex file. See the RiffBox users manual for more information.
- 2) Disconnect the MIDI output from RiffBox.
- 3) Connect the MIDI output from your computer to the MIDI input on RiffBox.
- 4) Turn on RiffBox while pressing down on the left control knob. The display should show the current firmware version '1, 2, 3, 3.1 or 4.1'. Then release the control knob.
- 5) Dump the MIDI sysex file called "RiffBox\_firmware\_v42" to RiffBox using a program such as the FX-Tracker editing software or MIDI-OX. This will take a few minutes.
- 6) After the MIDI sysex file is completely received by RiffBox, the display should show 'F0' for a few seconds. The display will then cycle from F1 – F8 and then finally show '88'.
- 7) Turn off RiffBox and then turn it on. The display will cycle from 0-99 twice. The factory presets will not be re-loaded. See how to do this below.
- 8) Next, turn off RiffBox. You can then turn on RiffBox while pressing down on the left control knob. The display should now show '4.2'. This means that the version 4.2 firmware is now loaded.
- 9) Turn off RiffBox to complete the upgrade.
- 10) You can now restore your user presets or re-load the factory presets by setting the MIDI channel to zero and sending the sysex file to RiffBox using a program such as MIDI-OX. See the RiffBox users manual for more information.