

Audiothingies Doctor A

MANUAL ADDENDUM V1.1

Congratulations and thanks for purchasing Doctor A

This file is an addendum to the quick start manual originally shipped with your Doctor A
It describes features added with firmware updates

Firmware update requirements

To update your Doctor A, you will need:

- 1 – The firmware file itself (a SYSEX file *.syx)
- 2 – A computer running a software capable of sending SYSEX files
On Windows, we recommend Bome SendSX (<https://www.bome.com/products/sendsx>) and on Mac OS, we recommend Snoize Sysex Librarian (<https://www.snoize.com/SysExLibrarian/>)
- 3 – A USB MIDI interface and a standard MIDI cable

Updating the firmware

- 1 – Connect your MIDI cable from the MIDI interface's MIDI output port to Doctor A's MIDI input port
 - 2 – Start your computer, your SYSEX management software and load the SYSEX file
 - 3 – Power Doctor A while pressing DELAY + REVERB until the 2 corresponding LEDs are turned ON
 - 4 – Send the SYSEX file, TAP LED should turn ON immediately and the 4 SETUP LEDs will turn ON alternatively to show that the SYSEX file is being received and processed
 - 5 – At the end of the transfer, all LEDs will blink and Doctor A will restart
- NB: it may be unresponsive for a couple seconds, formatting and writing factory stuff to memory if needed

Troubleshooting

Some USB MIDI interfaces behave weirdly with long SYSEX commands such as the Doctor A firmware file and won't complete the update letting Doctor A in a "dead" state. If this occurs, just restart the whole procedure, and reduce the MIDI sending speed / buffer size in your software. This is not a Doctor A or software problem, but really a USB MIDI interface issue.

[1.1] Memory Recall

V1.1 introduces a new memory system of 1 + 7 banks containing 8 memory slots each.

The first bank' slots only stores delay + reverb types and no other settings are stored (this is the V1.0 behavior: pot position is not saved, or "LIVE" mode).

The 7 following banks slots are regular presets, every single parameter is stored, except Delay and Reverb On/Off status.

[1.1] Loading a bank

Hold TAP button, after 0,5 seconds, the 4 SETUP/RECALL buttons will show the active bank.

To switch bank, use the 4 SETUP/RECALL buttons. 2 layers with 4 banks each are available.

Switch between the 2 layers by holding one of the 4 SETUP/RECALL buttons.

NB: Once a bank is selected, preset 1 within that bank is auto-loaded

[1.1] Loading a preset

To load a preset, use the 4 SETUP/RECALL buttons. 2 layers with 4 presets each are available. **Switch between the 2 layers by holding one of the 4 SETUP/RECALL buttons.**

[1.1] Saving a preset

Saving a preset is possible only in banks 2 to 8.

Bank 1's "presets" are auto saved.

To save a preset (assuming you are already in banks 2 to 8):

1 – Hold (and maintain) TAP and quickly hold DELAY + REVERB until both LEDs are blinking

2 – Release DELAY + REVERB (keep TAP engaged)

3 – Select destination by using the 4 SETUP/RECALL buttons (keep TAP engaged)

4 – To confirm, press DELAY+REVERB until LEDs stop blinking (keep TAP engaged)

5 – To abort, just release buttons

NB: you cannot change bank while saving

[1.1] MIDI Control

Doctor *f* now responds to program changes and control changes on **MIDI channel 16**

[1.1] MIDI CC Map

Parameter	CC	Value
Delay time	12	0 – 127
Delay feedback	13	0 – 127
Delay modulation	14	0 – 127
Delay level	15	0 – 127
Delay HPF	16	0 – 127
Delay LPF	17	0 – 127
Reverb delay level	18	0 – 127
Reverb HPF	19	0 – 127
Reverb LPF	20	0 – 127
Reverb predelay	21	0 – 127
Reverb decay	22	0 – 127
Reverb modulation	23	0 – 127
Reverb level	24	0 – 127
Delay ping pong L/R offset	25	0 – 127
Delay modulation speed	26	0 – 127
Delay Tap Tempo	64	127
Delay OFF/ON (absolute)	102	0: OFF – 127: ON
Reverb OFF/ON (absolute)	103	0: OFF – 127: ON
Delay OFF/ON (alternate)	104	127 (turns OFF if FX is ON, ON if FX is OFF)
Reverb OFF/ON (alternate)	105	127 (turns OFF if FX is ON, ON if FX is OFF)