

Synth Programmer Manual Addendum for Edition 'Matrix'

Group mode – does not work

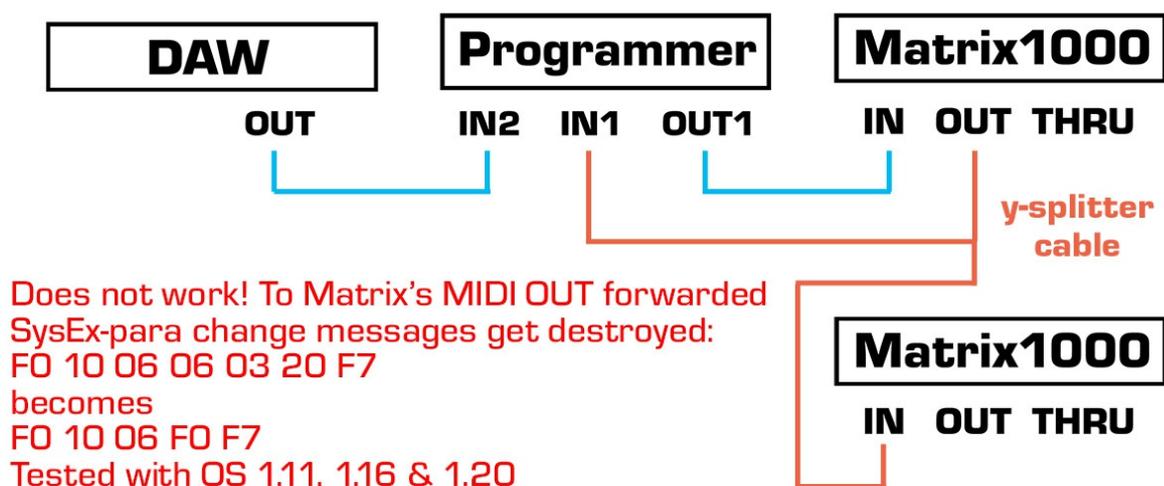
The Matrix 1000 offers a GROUP Mode for cascading several Matrix 1000 or 6 to archive 12, 18 or more voices instead of the default 6. This Group Mode can NOT be used in conjunction with the Programmer. In theory you can hook up the Programmer with 2 or more Matrixs using a Midi Patchbay or a Midi-Y-splitting cable. But there is a technical problem:

Normally the Matrix while being in Group mode forwards all Midi messages on it's MIDI IN to it's MIDI OUT for the 2nd Matrix. Now unfortunately the Matrix seems to destroy SysEx parameter change commands in between. The command „F0 10 06 06 03 20 F7“ sent to IN comes out as „F0 10 06 F0 F7“ which does not make any sense. This is tested with OS versions 1.11, 1.16 and 1.20.

It is interesting that SysEx-Data which is not addressed for the Matrix gets forwarded undestroyed. It looks like the Matrix is so busy changing it's internal sound parameters that it does not have enough capacity to forward the command to MIDI OUT without errors.

Without the 2nd Matrix to receive correct parameter change commands, the whole group mode does not make any sense. Additionally there are communication issues between Programmer and first Matrix due to the problem described above.

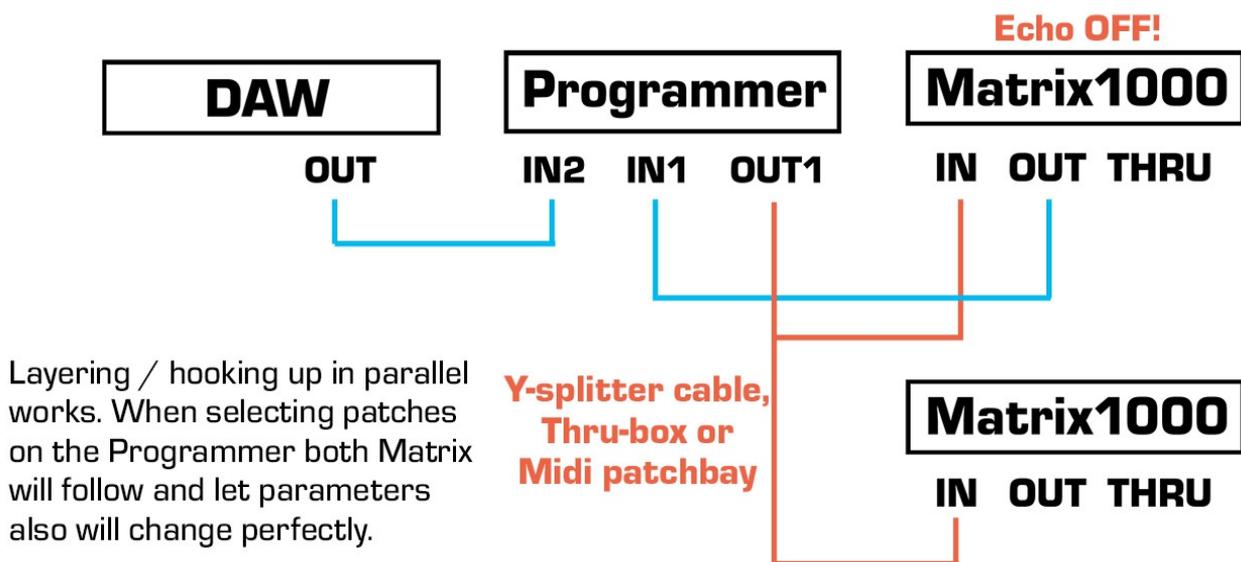
Midi patching Stereoping Programmer with 2x Matrix for Group & Echo mode



Layer mode – works

Hooking both matrix up in the following way (in parallel) to layer sounds works perfectly. The Matrix connected to the Programmer in the midi loop should be set to ECHO OFF. Both Matrix will follow patch changes made on the Programmer and both will change their parameters. If the 2nd unit is a Matrix6 you need to set it to QUICK EDIT mode manually after each patch change or it will not respond to parameter changes.

Midi patching Stereoping Programmer with 2x Matrix for Layer mode



Solutions

Since 2020/02 we offer a little midi tool called PolyChainer. It distributes the midi notes and parameter change data from the Programmer individually between both connected Matrix. This also works with two Matrix 6 or 1000 and 6 mixed. For more details and the full featurelist please check out the product's page on our website.