Synth Programmer Manual Addendum for Edition 'Matrix'

Update 05/2019: we are currently developing a little accessory box making it possible to use the Programmer with 2 Matrix in Groul mode, it will even work with 2 x Matrix 6. The box will be available in Juli/August 2019. The following text describes the situation of 2 x Matrix with Programmer.

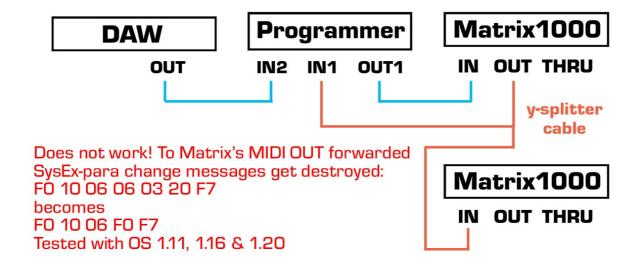## *Group mode – does not work*

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. <u>This Group Mode can NOT be used in conjunction with the Programmer.</u> In theory you can hook up the Programmer with 2 or more Matrixs using a Midi Patchbay or a Midi-Y-spliting 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

Echo OFF!

DAW	Programmer	Matrix1000
OUT	IN2 IN1 OUT1	IN OUT THRU

Layering / hooking up in parallel works. When selecting patches on the Programmer both Matrix will follow and let parameters also will change perfectly.

Y-splitter cable, Thru-box or Midi patchbay

Matrix1000

IN   OUT   THRU