

Synth Programmer manual addendum for Edition 'Matrix'

New menu entries „VIBR“ and „GLBL“ from Firmware V1.70 (2021/08)

Matrix1000 only

The following only applies for Matrix1000, if you have set one of the Matrix1000 firmwares in the Programmer's PREFS. On the Matrix6, VIBRATO and all GLOBAL parameters are directly accessible from it's frontpanel.

Two new submenüs

Since firmware V1.70 the Matrix Programmer offers two new submenu entries to the end of the list (after "ENV3"). Short summary: the current submenu is displayed in the upper left corner (e.g. „DCO2“). It is automatically changing with the associated knobs you move. Submenus hold parameters not mapped to knobs and can be cycled with the first encoder. Now after ENV3 these new submenus VIBR and GLBL will appear.

GLOBAL PARAMETER REQUEST

Each parameter in the new submenus have their origin in the Matrix1000 GLOBALS memory. Before we can display their status or change them, the Programmer must request them from the Matrix. This will be engaged automatically when moving from ENV3 into VIBR submenu by turning the 1st encoder. A short message appears saying „Requesting Data“. If you see „RQ Error – Stream to long“, most probably a Matrix6 is hanging on the MIDI cables while the Programmer's PREFS have set Matrix1000 as target synth.

Important note

All parameter of the new menus will change setting in the Matrix's GLOBAL memory **which will be maintained after switching it off!** If e.g. you set VIBRATO AMP to 50 and MIDI MONO to ON and switch off the Matrix, it will play monophonic with a Vibrato on most of the patches after you switch it on the next time.

VIBRATO

Vibrato can be considered a third LFO with global impact on all patches. Its parameters are not accessible from the M1000 frontpanel. **VIBR is a valid modulation source in the ModMatrix!** To switch off its impact on the DCO's as VIBRATO both DCOs offer a submenu parameter „LEVERS“ (set it to OFF or BEND).

The following VIBR parameters are available:

- 1/7 Speed 0-63
- 2/7 Waveform: Tri, UpSaw, DwnSaw, Square, Random, Noise
- 3/7 Amp 0-63
- 4/7 SpeedModulationSource: Off, Lever2, Pedal1
- 5/7 SpeedModulationAmount: 0-63
- 6/7 AmpModulationSource: Off, Lever2, Pedal1
- 7/7 AmpModulationAmount: 0-63

Important: Parameter 3/7 Amp will most probably be set to 0 if you look into it for the first time. As soon as you increase it, most of the patches will have a Vibrato. As described above – VIBR is global, the settings are not saved with the patch. (Patch oriented parameters like DCO LEVERS and ModMatrix assignments ARE saved with the patch of course)

GLOBAL

Das GLBL Menü offers 4 parameters, the first 3 of them are also accessible on the M1000 directly, with some cryptic abbreviations and in different places. It's a bit easier to change them from the Programmer.

The following parameters are available:

- 1/1 Bend Range 0-24
- 2/7 Master Transpose -24 ... +24
- 3/7 Master Tune -31 ... +31
- 4/7 Midi Mono On/Off

MIDI MONO Mode makes the Matrix1000 a mono Synth, useful for basses and lead sounds. It's not like unison which plays all 6 voices for one note. MIDI MONO only plays one voice. Do not forget to set MIDI MONO back to OFF if you want to play the Matrix polyphonically.