

## ***Synth Controller manual addendum for edition 'JX-70' for Roland MKS-70 und JX-10***

### *Allow SysEx receiving*

If your synthesizer does not want to respond to the controller:

- are the midichannels of synth and controller identical?
- the midi menu-parameter for SysEx receiving has to be set to 'EXCLUSIVE ON'?

### *OS-requirements MKS-70 and JX-10*

For a successful communication of the controller and the synth itself, the synth needs a quite recent operation system (OS). Unfortunately many MKS-70 and JX-10 were sold with an early OS not supporting Midi SysEx parameter edits. The OS can be updated of course.

For the MKS-70 you'll need at least OS V1.08. To check your version hold 'VALUE' and 'SHIFT' while powering up. The OS sits in 2 (?) EEPROMS which (hopefully) can be purchased from Roland.

On the JX-10 Midi-SysEx situation seems even worse. Luckily there are 2 sources offering alternative up-to-date operating systems:

- <http://www.colinfraser.com/jx10/jx.htm>
- <http://www.vecoven.com/superjx/superjx.html>

### *Shift parameters*

Since OS V3.1 Shift-Parameters are introduced. They are all in the blue layer and printed in square brackets. You can tweak e.g. 'Keyfollow' for Env 1 & 2 by holding the blue button and turning Env 1&2 Release. Keyfollow got 4 steps\_ Off (most ccw) and 1-3.

In the same way you can change the patch parameters like CHASE MODE or TONE BALANCE.

## *Selection Upper-/Lower/Both Tones*

Upper- and Lower Board can be selected with a special button combination:

- Hold 1st and 2nd button: all edits go to the upper board
- Hold 1st and 3rd button: ... well, you can guess :-)
- Holding all buttons selects BOTH boards as receiver for parameter edits. There'll be sent the double amount of midi-data to your synth of course.

Switching target tones has no influence on the currently selected edit layer. Example: you are on the blue layer (lowest button) holding the red button for 2 secs to select the upper board. All 3 LEDs shortly flash to indicate the controller has understood. When you release the red button again you're still in blue edit mode.

## *Edition for Super JX / Vecoven OS V4.x: JX70 VK4.x*

Vecoven released an OS version 4 supporting the PWM hardware update and having more features like another LFO and 2 new Envelopes. The changes made it necessary to introduce a new SysEx-parameter change standard. Since November 2020 we therefore offer a special firmware called „JX70 VK4.x“. All the parameters are mapped to the new V4 standard and the faceplate is updated to reflect the changes:

- Envelopes 1 & 2 are now labeled 3 & 4
- all LFO modulation pots are targeting LFO 1
- VCA Mode (Gate/Env1) is mapped to Env 1-4
- Pitch Env MODE & DYNAMICS are targeting DCO 2 MODE & DYNAMICS
- LFO offers 2 additional waveshapes SAW POS and SAW NEG

Additional SHIFT parameters:

- Shifting DCO WAVE 1&2 allows changing the DCO's PWM
- Shifting LFO (1) allows setting SHAPE, DELAY, RATE of LFO 2