

**WOLF AUDIO DESIGN**



**MIDI TOOL BOX**

16 Step Sequencer

A package with many little and bigger devices for midi processing in scope and its modular

## 1.0 INSTALLATION

The 16 Step Sequencer will be installed either by the MidiToolBox v1.2 update or the full v1.2 package.

Please refer to the main manual for further instructions.

## 2.0 GENERAL

### Differences to the 32 StepSequencer :

The 16 StepSequencer is not a stripped down version of the 32 StepSequencer. It has a completely different inner structure and therefore has some advantages as well as disadvantages.

The following listing shows them:

	16 StepSequencer	32 StepSequencer
live performance / playability	changes become effective only after a complete run through all 16 steps	changes become effective immediately
swing	every 2nd step is moved according to the setting, the movement is not modulatable	different movement for several step positions, all positions can be modulated via LFO
gate length	gate length not changable	gate length changable
banks / pattern	up to 32 patterns / 8 banks, changable via keys and storable	no bank / pattern support
midi controller message support	can send out midi controller message	no native midi controller message support (possible via MidiTransformer)
dsp usage	about half of a dsp	Version A : about 2,5 dsp Version B : about 1,5 dsp
composing help	no composing help	step connector for achieving grooving results very fast

### Parameters :

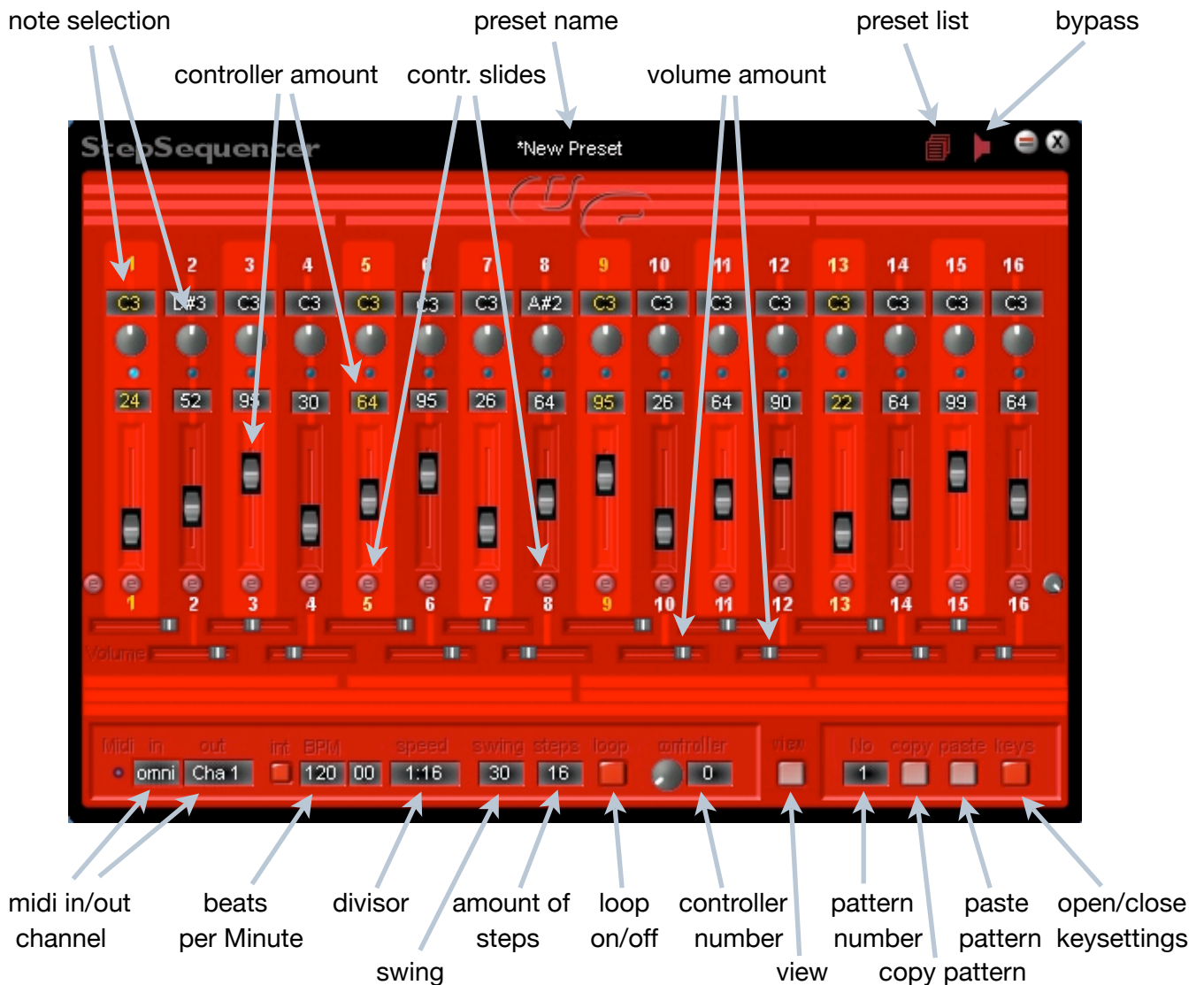
Some parameters are saved within the project only, some in the preset list as well.

Generally all midi channel settings, the position/size of surfaces, the title/name of a device and the clock settings are saved with the project only. The actual preset name is shown on the surface.

### 3.0 DESCRIPTION

#### Overview:

The 16 StepSequencer is a standalone device, which sends out midi note and controller messages, so you are able to connect it to any device / generator in your whole studio, which understands Midi.



The slides for the controller messages have three settings: off, expontial (red), logarithmic (yellow). The most left button switches all slide buttons, the most right poti adjusts the curve, if set to exp. or log.

The view button changes between three different display settings to better distinguish the single steps.

To mute a step pull the velocity/volume slider in question to zero.

If all (or some subsequent) controller sliders have the same value, there is no midi controller message send out. As soon there is a change, midi controller message will be send out.

### 3.1 KEY SETTINGS

The highest key used for bank/pattern switching is the keyboard switch point. All keys above are used for playing the sequencer, all keys below are used for bank/pattern selection, depending on your settings. If the “use key settings” button is off, the whole keyboard is used for playing the sequencer.

The key settings are only saved within a project, but not within a preset.

