



Short instruction

1. The principle

The up-to-date keyboards from Yamaha use **Digital Signal Processors (DSP)**, which create effects like Reverb, Chorus, Delay, Distortion, Rotor. Each DSP is allocated to an effect **block** (Reverb, Chorus, Variation, DSP2-6, Vocal Harmony).

To control a DSP effect of an effect block from a midifile, the midifile must send a **systemexclusive message (SysEx)**. A SysEx is a sequence of hexadecimal numbers such like F0 43 10 4C 02 01 00 01 10 F7.

This is the reason for the **SysEditor**: The SysEditor creates a SysEx simply by selecting the preferred effect in a list. The user does not have to know how the SysEx is constructed.

In this way you can create a list of SysEx, which controls several DSPs. The SysEx list can be written into a midifile or can be copied to the clipboard. Finally you can paste it in a sequencer programm to add it to an existing midifile.

2. Handling

The SysEditor shows the possible effecttypes and the dedicated parameters of each effect block.

By **click on a type** the **parameters of the type** will be shown and the **default values** will be set. By doubleclick on a type the SysEx will be added to the SysEx list.

By **click on a parameter** an input field appears, which shows the actual value of the parameter. The value can be modified. The appropriate SysEx will be inserted into the SysEx list.

In addition the **block parameters** (= parameters be valid for a effect block) can be created.

Accordingly the SysEx for **Micro, Vocal Harmony, Drumsetups, MultiEQ, MultiParts, Plug-in Boards and Hard Disc Recorder** can be created.

The **SysEx list** can be managed by the buttons.

Pay attention: The SysEx list will be managed automatically. That means that a SysEx can be created or deleted if necessary.

3. File

SysExes, which are created by the SysEditor, can be **saved and opened in files (with ending „.sed“)**.

4. Options

- **Instrument:** The effects are specified to the selected keyboard.
- **SysEx format:** Each midi sequencer uses a certain format for SysEx. Select here.
- **Song Positions:** Options for the positions of the SysExes in a midifile.
- **Look&Feel:** Options for Look and Feel.
- **Language:** Choose the language

5. MIDI

- **Send SysEx by MIDI:** If the option is selected, each created SysEx will be send by MIDI immediatly, so that the effect will be set in the keyboard.
- **MIDI device:** Choose the MIDI device.

6. Export

- **Write SysExes to midifile:** Opens the window to create a midifile, which includes the SysExes. This midifile can be opened in a sequencer.
- **Copy SysEx list to clipboard:** All SysExes will be copied to the clipboard as a sequence.

7. Song Position

As a rule the created SysExes will be inserted in the **first measure of a midifile**.

Occasionally it is necessary to insert a SysEx at **any position of the midifile**. This position can be set with **Song Position**. Please pay attention to point 4.

8. Requirements

The SysEditor is written in Java. So the Java Runtime Environment (jre) must be installed.

Download: <http://www.java.com/de/download/>

Good speed with the SysEditor!

Yours

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Questions and suggestions

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