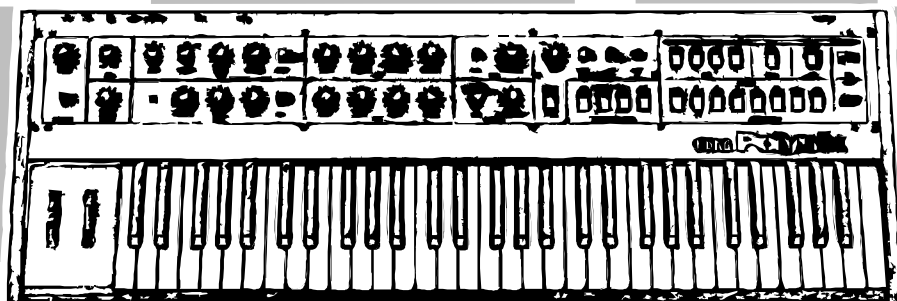


P6-M

MIDI Interface for Korg Polysix Synthesizer

Model 8-427
Version 1.0



Support Software: Patch Memory Organizer



© 2021 CHD Elektroservis

1 FEATURES

The “Patch Memory Organizer” utility enables to rename, to relocate and to initialize patches in a P6-M's patch memory archive.

The calculator is based on Java script so it can be launched under any platform (PC, MAC, ...) which includes a web browser.

Visit our web site and download the “**P6-M_syxorg.zip**” archive. Expand the archive to a selected folder on your computer's hard drive (i.e. “**P6-M_syxorg.html**” and “**P6-M_syxorg_help.html**” files and “**media**” sub-folder).

To launch the organizer, simply open the “**P6-M_syxorg.html**” file in your web browser (e.g. by clicking on the file icon). Then the organizer window opens (see figure below).

The organizer window

Source SysEx data

Patch processing control

Values of patch parameters

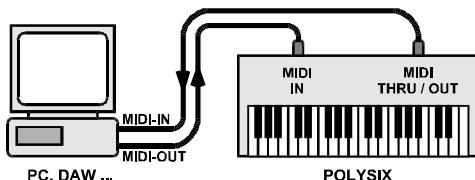
Edited SysEx data

Names of all patches

2 USAGE

2.1 DATA LOADING

1. Connect the P6-M to your PC/DAW with both MIDI-IN and MIDI-OUT cables and prepare the PC/DAW for data recording.
2. Send the **[F0 00 20 21 7F 45 70 05 7F 47 F7 hex]** SysEx message¹ from your PC/DAW to the P6-M and record stream of SysEx messages (transmitted from the P6-M as a response) in the PC/DAW.
3. Open the recorded data as a text (i.e. F0...F7 F0...F7 ... F0...F7 stream) in your PC/DAW and copy the text (e.g. with help of clipboard - CTRL+C / CTRL+V) to the **"Whole memory content - SysEx messages stream"** text field ①.
4. Click the **"Check Data"** button ②.
5. The [Data OK] message in the **"Status"** line ③ indicates successful loading of the data.
6. All text fields of the organizer table are filled with actual data: The **"Target Patch Parameters"** section ④ shows parameter values of the actual patch. The **"Target Patch SysEx Bulk Dump Data"** section ⑤ shows SysEx data for the actual patch. The **"Patch Set"** section ⑥ shows names of all 64 patches in the P6-M's patch memory.



CHD Patch Memory Organizer for P6-M interface
Model 8-427 ver. 1.00

Whole memory content - SysEx messages stream:

```

F0 00 20 21 7F 45 70 05 7F 47 F7
00 45 40 3E 24 0C 40 00 00 40 25 00 40 00 00 00 00 00 00 00 00
00 2A 44 45 46 41 55 4C 54 2A 20 7F F0 00 20 21 00 45 40 3F 24 0C
40 00 00 40 25 00 40 00 00 00 00 00 00 00 00 00 00 2A 44 45 46 41
55 4C 54 2A 20 2E F7 F0 00 20 21 00 45 20 00 01 00 11 00 00 00 1E
6B F7
    
```

①

Check Data ②

Status: Patch 8 changed! ③ Change Device ID: 00

Source Patch: Patch Nr. (Pgm Nr.) 7 70 LFO Sine

Target Patch: Patch Nr. (Pgm Nr.) 8 71 --Blank--

Copy Name Initialize Patch Save Changes

Target patch parameters:

MIDI Notes Shift: 36 VCF LFO Rate: 64
 Patch Bend Range: 12 VCF LFO Delay: 0
 VCF LFO Waveform: 37 VCF LFO Amount: 0
 VCF LFO Sync: 0 Indicator Mode: 0

④

Target patch SysEx Bulk Dump data:

```

F0 00 20 21 00 45 40 07 24 0C 40 00 40 25 00 40 00 00 00 00 00
00 00 00 00 00 2D 2D 42 6C 61 6E 6C 2D 20 23 F7
    
```

⑤

Patch Set

Patch : Name	Patch : Name	Patch : Name	Patch : Name
01: Test 1	17: *DEFAULT*	33: *DEFAULT*	49: *DEFAULT*
02: Test 2	18: *DEFAULT*	34: *DEFAULT*	50: *DEFAULT*
		35: *DEFAULT*	51: *DEFAULT*
15: *DEFAULT*	31: *DEFAULT*	47: *DEFAULT*	
16: *DEFAULT*	32: *DEFAULT*	48: *DEFAULT*	64: *DEFAULT*

⑥

Reset Help © 03/2021 CHD Elektroservis


¹ This is the "System Functions / Memory status request" SysEx command - see the stand-alone MIDI SysEx Communication manual.

2.2 PATCH RENAIING

1. Select the patch to be renamed with the **"Patch Nr."** select-box ❶ or with the **"-/+"** buttons ❷ in the **"Source Patch"** section. The **"(Pgm Nr.)"** box ❸ shows corresponding Program Change command value for this patch activation and the **"(Name)"** box ❹ shows the name of the selected patch.
2. Select the same patch number with the **"Patch Nr."** select-box ❺ or with the **"-/+"** buttons ❻ in the **"Target Patch"** section. The **"(Pgm Nr.)"** box ❼ shows again corresponding Program Change command value for this patch activation.
3. Write new requested name of the edited patch into the **"Write New Name"** text box ❽ and press Enter on the PC keyboard.
4. The **"Target Patch Parameters"** section ❾ shows actual values of the edited patch parameters and the **"Target Patch SysEx Bulk Dump Data"** section ❿ shows actual load type SysEx data of the edited patch.
5. Click the **"Save Changes"** button ⓫.
6. The changed data are written to the original stream of SysEx messages ⓬. [Patch changed!] status message confirms this ⓭. The **"Patch Set"** table with all tone names is also actualized ⓮.
7. Repeat any patch procedure while all required patches are not processed.

Remarks:

- Length of the name is limited to 10 characters. Longer text will be shorten to first 10 characters.
- Character set of the name is limited to basic ASCII characters (i.e. the character code from 32 to 126). Unknown characters will be replaced with the "~" character.

 Patched Memory Organizer for P6-M interface
Model 8-427 ver. 1.00

Whole memory content - SysEx messages stream:

00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	45	40	3E	24	0C	00	00	00	25	0A	00	00	00	00	00	00	00	00	00
00	2A	44	45	46	41	55	4C	54	2A	20	77	F0	00	20	21	00	45	40	3F
00	40	00	00	40	25	00	40	00	00	00	00	00	00	00	00	2A	44	45	46
55	4C	54	2A	20	2E	F7	F0	00	20	21	00	20	00	00	01	00	11	00	00
6B	F7																		

Check Data
Change Device ID: 00

Source Patch:

Patch Nr. (Pg'm Nr.) (Name)

7 LFO Sine

Target Patch:

Patch Nr. (Pg'm Nr.) Write New Name

--Blank--

Copy Name
Initialize Patch
Save Changes

Target patch parameters:

MIDI Notes Shift: 36	VCF LFO Rate: 64
Patch Bend Range: 12	VCF LFO Delay: 0
VCF LFO Waveform: 37	VCF LFO Amount: 0
VCF LFO Sync: 0	Indicator Mode: 0

Target patch SysEx Bulk Dump data:

F0	00	20	21	00	45	40	07	24	0C	40	00	40	25	00	00	00	00	00	00
00	00	00	00	00	2D	2D	42	6C	61	6E	D	2D	20	23	F7				

Patch Set

Patch : Name	Patch : Name	Patch : Name	Patch : Name
01: Test 1	17: *DEFAULT*	33: *DEFAULT*	49: *DEFAULT*
02: Test 2	18: *DEFAULT*	34: *DEFAULT*	50: *DEFAULT*
		35: *DEFAULT*	51: *DEFAULT*
16: *DEFAULT*	31: *DEFAULT*	47: *DEFAULT*	
16: *DEFAULT*	32: *DEFAULT*	48: *DEFAULT*	64: *DEFAULT*

2.3 PATCH RELOCATION

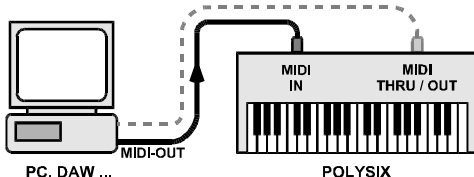
1. Select the patch to be relocated (copied) with the "**Patch Nr.**" select-box ① or with the "-/+ " buttons ② in the "**Source Patch**" section. The "**(Pg m Nr.)**" box ③ shows corresponding Program Change command value for this patch activation and the "**(Name)**" box ④ shows the name of the selected patch.
2. Select the patch to which the source patch will be copied with the "**Patch Nr.**" select-box ⑤ or with the "-/+ " buttons ⑥ in the "**Target Patch**" section. The "**(Pg m Nr.)**" box ⑦ shows again corresponding Program Change command value for this patch activation.
3. Click the "**Copy Name**" button ⑧. The patch name appears in the "**Write New Name**" text box ⑨.
4. The "**Target Patch Parameters**" section ⑩ shows actual values of the target patch parameters and the "**Target Patch SysEx Bulk Dump Data**" section ⑪ shows changed SysEx data of the patch.
5. Click the "**Save Changes**" button ⑫.
6. The changed data are written to the the original stream of SysEx messages ⑬. [Patch changed!] status message confirms this ⑭. The "**Patch Set**" table with all tone names is also actualized ⑮.
7. Repeat any patch procedure while all required patches are not processed.

[illegible]

1. Select the patch to be completely initialized (i.e. all parameters and name) with the "**Patch Nr.**" select-box ❶ or with the "**-/+**" buttons ❷ in the "**Target Patch**" section. The "**(Pgm Nr.)**" box ❸ shows corresponding Program Change command value for this patch activation
2. Click the "**Initialize Patch**" button ❹.
3. The default patch name is written into the "**Write New Name**" box ❺.
4. The default values of all patch parameters are written into the "**Target Patch Parameters**" section ❻ and into the "**Target Patch SysEx Bulk Dump Data**" section ❼.
5. Click the "**Save Changes**" button ❽.
6. The initialized data are written into the original stream of SysEx messages ❾. [Patch changed!] status message ❿ confirms this. The "**Patch Set**" table with list of all patch names is also actualized ⓫.
7. Repeat any patch procedure while all required patches are not processed.

2.5 DATA SAVING

1. Connect the P6-M to your PC/DAW with at least MIDI-IN (i.e. direction from the PC/DAW to the P6-M) cable and prepare the PC/DAW for data sending.
2. Copy content of the **"Whole memory content - SysEx messages stream"** text field to the SysEx editor of your PC/DAW (e.g. with help of clipboard - CTRL+C / CTRL+V) ①.
3. Replay the SysEx data from the PC/DAW to the P6-M interface².



Remarks:

- You can also save only the only one edited patch. In that case, copy the **"Target Patch SysEx Bulk Dump Data"** section ② to your PC/DAW and replay it to the P6-M interface.
- The SysEx data (the **"Whole memory content - SysEx messages stream"** ① and the **"Target Patch SysEx Bulk Dump Data"** ②) can be saved in your PC/DAW also as a file in plain text form. Highlight requested text and copy it (e.g. with help of clipboard - CTRL+C / CTRL+V) to a text editor in your PC.
- If necessary, also the list of **"Target Patch Parameters"** ③ or the complete **"Patch Set"** list ④ can be saved as a text in your PC the similar way as described in previous paragraph.

² Note that the memory protection jumper must not be plugged on the interface board for correct data transfer!

2.6 OTHER FUNCTIONS

- If necessary, you can change the Device ID byte in the whole stream of loaded SysEx messages. This is allowed by the "**Change Device ID**" select box ①. [Device ID changed!] status message ② confirms finishing of the operation.
- The "**Check Data**" button ③ can be used for confirmation of correctly processed data anytime during working with the organizer utility.
- The "**Reset**" link ④ in bottom row of the organizer table clears the all text fields and returns all select boxes to their default values.
- The "**Help**" link ⑤ in bottom row of the organizer table opens new window with brief help.

Patch Memory Organizer for P6-M interface
Model 8-427 ver. 1.00

Whole memory content - SysEx messages stream:

00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00	45	40	3E	24	0C	40	00	00	40	25	00	40	00	00	00	00	00	00	00
00	2A	44	45	46	41	55	4C	54	2A	20	2F	F7	F0	00	20	21	00	45	40
40	00	00	40	25	00	40	00	00	00	00	00	00	00	00	00	00	2A	44	45
55	4C	54	2A	20	2F	F7	F0	00	20	21	00	45	20	00	01	00	11	00	00
6B	F7																		

↑ ↓ ↺ ↻

Status: Patch 8 changed! 2

Change Device ID: 00 ▼

+ -
Source Patch:

Patch Nr. (Pg'm Nr.)
(Name)

7 ▼
70 LFO Sine

+ -
Target Patch:

Patch Nr. (Pg'm Nr.)
Write New Name

8 ▼
71 -Blank-

Target patch parameters:

MIDI Notes Shift: 36	VCF LFO Rate: 64
Pitch Bend Range: 12	VCF LFO Delay: 0
VCF LFO Waveform: 37	VCF LFO Amount: 0
VCF LFO Syncn: 0	Indicator Mode: 0

Target patch SysEx Bulk Dump data:

```

FO 00 20 21 00 45 40 07 24 0C 40 00 00 40 25 00 40 00 00 00 00 00
00 00 00 00 00 2D 2D 42 6C 61 6E 6B 2D 2D 20 23 F7
    
```

Patch Set

Patch : Name	Patch : Name	Patch : Name	Patch : Name
01: Test 1	17: *DEFAULT*	33: *DEFAULT*	49: *DEFAULT*
02: Test 2	18: *DEFAULT*	34: *DEFAULT*	50: *DEFAULT*
		35: *DEFAULT*	51: *DEFAULT*
15: *DEFAULT*	31: *DEFAULT*	47: *DEFAULT*	
16: *DEFAULT*	32: *DEFAULT*	48: *DEFAULT*	64: *DEFAULT*

Reset Help
© 03/2021 CHD Elektroniksz

4
5

All documents and support software for the P6-M interface are available at manufacturer's web pages.



Korg Polysix MIDI Interface
Model P6-M, Nr. 8-427, ver. 1.00
Document: 842710_syxorg, rev. 1

Manufacturer: CHD Elektroservis, Czech Republic
www.chd-el.cz info@chd-el.cz