SysexFiler -- General Help

by Tim Godfrey

Version 1.6.0 Dec 2016

SysexFiler is a general purpose Sysex manager for Windows, extended to perform some specific conversion tasks for a few synths. It has special capabilities for the Korg Triton and Kronos (see additional help files for specific details)

This is more of a research tool than a polished program, and it was not intended for general use. However some of the functions are not easily accomplished otherwise (to my knowledge).

Installation:

This program does not use an installer and does not make changes to your system. Copy the contents of the ZIP to a folder you create wherever you would like. Run the executable "SysexFiler.exe".

♦ Sysexfiler	-	
<u>File</u> <u>Special</u>		
MIDI KRONOS 1 KEYBOARD V MIDI KRONOS 1	1 SOUND C Enable Legacy Memory: 2537 K	
bytes NumMidiEvents	Debug Window (Clear Log
Objects Window View Selected Send Selected Clear Selected Clear All Buffers Prog Chan 1 0 Program Change Kronos Prog 12 Req 1 Prog Cur Drog Req Cur Selist Req Bank 65 Req 1 Combi Cur Comb Req Selist 2 EditBuf Berk INT-A-F: 0 - 5 Conv Triton Combi SetistAutoName	InternalWame = SysexFiler FileVerSion = 1.6.0.0 Bllocated mem count: 35549, Size 2598436 Loaded TrikroEfxHap, 103 rows, 24 max PIDs in row, 1706 total PIDS, 686.40 Kbytes Loaded KroEfxHaramAvray, 186 rows, 67 max PIDs in row, 4019 total PIDS, 2,920.05 Kbytes	
GM, g(1)-g(9,d)): 16 - 26 USER-A - G : 64 - 70 Timbre Copy V Conv Pass Program and Bank	<	>
USER-AA- GG : 71 - 77 (prg only)	Last	
Combi Tempo: ? Filter Function 7F msgs	SysEx	
I I I I	F0 42 30 68 43 04 01 00 02 00 00 07 F7	end Sysex

Configure the Input and Output MIDI ports to match your devices. For Triton to Kronos conversions, the Input MIDI should be connected to the Triton, and the Output MIDI to the Kronos. (Note: you can also perform conversion by loading and saving Sysex files if you can't use MIDI). Use the USB MIDI driver for the Kronos if possible (it will probably show up as "KRONOS 1 SOUND".

SysExFiler only handles SysEx messages. Note on/off, Continuous Controllers, RealTime messages are ignored.

File Menu:

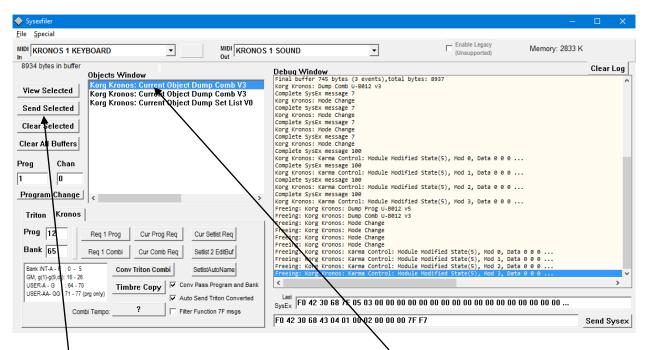
From the File Menu, you can save and load objects as Sysex binary, or load CSV (text) files.

Startup:

♦ Sysefiler – □	
File Special	
MIDI KRONOS 1 KEYBOARD MIDI KRONOS 1 SOUND Memory: 2833 K	
100 bytes in buffer Cle	ar Log
View Selected Objects Window View Selected Korg Kronos: Current Object Dunp Comb V3 (Korg Kronos: Dump Prog U-Boll 2 V5 (Korg Kronos: Dump Prog U-Boll 2 V5 (Korg Kronos: Mode Change Korg Kronos: Karma Control: Module Modified Korg Kronos: Karma Control: Module Modified State(5), Mod e, Data e e e Complete Syste message 100 Korg Kronos: Karma Control: Module Modified State(5), Mod 2, Data e e e Complete Syste message 100 Korg Kronos: Karma Control: Module Modified State(5), Mod 3, Data e e e Complete Syste message 100 Korg Kronos: Karma Control: Module Modified State(5), Mod 3, Data e e e Complete Syste message 100 Korg Kronos: Karma Control: Module Modified State(5), Mod 3, Data e e e	> >
Combi Tempo:? Filter Function 7F msgs	Sysex
	5,504

SysexFiler is always "listening" on the input port. It sends messages to the output port

During bulk reception, a red indicator will appear here. For short messages it is too fast to be seen.



Every sysex message received becomes an object in the left listbox.

The selected object can be viewed (in the debug window), Sent (out the MIDI output port), or cleared using the buttons on the left. (Clear All Buffers removes all objects from memory)

	YBOARD	s 1 sound	(Unsupported)	Memory: 2818 K
14 bytes in buffer 14 bytes in buffer View Selected Clear Selected Clear All Buffers Prog Chan 1 0 Program Change Triton Kronos Prog 12 Bank [65 Bank [65 GK, g(1)-g(9,-G): 6-2 USER-AA- GG: 71-77 USER-AA- GG: 71-77 Co	Objects Window Korg Kronos: Current Object Dump Comb V3 Korg Kronos: Current Object Dump Comb V3 Korg Kronos: Current Object Dump Set List V0 Korg Kronos: Karma Control: Module Modified SI Korg Kronos: Mode Change Kronos Param Fn:43 Val 1 (0×1) Req 1 Prog Cur Prog Req Cur Prog Req Cur Settist Req Req 1 Combi Cur Comb Req SettistAutoName Ontriton Combi SettistAutoName Timbre Copy Corv Pass Program and Bank	Debug Window Complete Systx message 100 Kong Kronos: Karna Control: Module Mod Complete Systx message 100 Kong Kronos: Karna Control: Module Mod Complete Systx message 100 the Kong Kronos: Karna Control: Module Mod the Freeing: Kong Kronos: Dump Comb U-B012 the Freeing: Kong Kronos: Dump Comb U-B012 the Freeing: Kong Kronos: Dump Comb U-B012	<pre>Mified State(5), Mod 1, Data 0 0 0. Iified State(5), Mod 2, Data 0 0 0. Iified State(5), Mod 3, Data 0 0 0. VS Nodule Modified State(5), Mod 4, Data Iodule Modified State(5), Mod 1, Data Nodule Modified State(5), Mod 2, Data Nodule Modified State(5), Mod 3, Data 60 0 0 Iified State(5), Mod 1, Data 44 0 0 Iified State(5), Mod 2, Data 74 0 0 Iified State(5), Mod 3, Data 7C 0 IIfied State(5), IIfied Stat</pre>	 a 0 0 0 a 0 0 0 a 0 0 0 a 0 0 0

Incoming messages are displayed in Hex in a textbox below the debug window. This textbox is updated with every received message. Shorter messages (like Parameters) will fit. If the message won't fit, it is truncated with "...".

You can select parts of these messages, copy paste into the window below, and send them from the lower textbox (using the Send Sysex button). The send Sysex textbox will not be changed by new data unless you edit it.

le <u>S</u> pecial				
IDI KRONOS 1 KEY	/BOARD	MIDI KRONOS 1 SOUND	(Unsupported)	emory: 2818 K
14 bytes in buffer View Selected Send Selected	Objects Window Korg Kronos: Current Object Dump Cr Korg Kronos: Current Object Dump C Korg Kronos: Current Object Dump S Korg Kronos: Karma Control: Module	omb V3 et List V0 Freeing: Korg Kronos: Dump Prog U-B01 Freeing: Korg Kronos: Dump Comb U-B01 Freeing: Korg Kronos: Mode Change		Clear Log
Clear Selected Clear All Buffers Prog Chan	Korg Kronos: Karma Control: Module Korg Kronos: Karma Control: Module Korg Kronos: Karma Control: Module Korg Kronos: Mode Change Kronos Param Fri:6D Val 4 [0x4] Kronos Param Fri:6D Val 2 [0x4]	Modified St Freeing: Korg Kronos: Mode Change Modified St Freeing: Korg Kronos: Mode Change Modified St Freeing: Korg Kronos: Karma Control: Freeing: Korg Kronos: Karma Control: Freeing: Korg Kronos: Karma Control: Complete Syste message 100	Module Modified State(5), Mod 0, Data 0 0 Module Modified State(5), Mod 1, Data 0 0 Module Modified State(5), Mod 2, Data 0 0 Module Modified State(5), Mod 3, Data 0 0 Mified State(5), Mod 0, Data 60 0 0	0 0
Program Change Triton Kronos Prog 12 Bank 65	Req 1 Prog Cur Prog Req Cur Setist Req 1 Combi Cur Comb Req Setist 2 Ec Conv Triton Combi SetistAutor	<pre>kong Kronos: Karma Control: Module Mo Complete SySEx message 100 Kong Kronos: Karma Control: Module Mo Complete SySEx message 100 Kong Kronos: Karma Control: Module Mo Complete SySEx message 14 Kong Kronos: Mode Change Complete SySEx message 14 Kong Kronos: Parm pHDI OSCI LFOI Shap Complete SySEx message 14 Kong Kronos: KARMA Parm pCom KARMA Co Complete SySEx message 14</pre>	<pre>wdified state(5), Mod 1, Data 44 0 0 wdified state(5), Mod 2, Data 74 0 0 wdified state(5), Mod 3, Data 7C 0 0 we (Fn43 Ty000 So000 Su000 Pi002 IX000) 1 mmmon Scene Select (Fn6D Ty000 So000 Su000</pre>	
GM, g(1)-g(9,d)): 16 - 26 USER-A - G : 64 - 70 USER-AA- GG : 71 - 77 (Timbre Copy Conv Pass Prog	ramand Bank		Pi047 Ix000) 2 >

To some extent, parameter messages are decoded in the Debug window. Note that many parameters appear to be undocumented. This decoding is a work in progress, and will be updated as new information is discovered. Unknown parameters are displayed as Parm ?, followed by the value.

◆ Sysexfiler	-		×
<u>File</u> <u>Special</u>			
MIDI KRONOS 1 KEYBOARD	1 SOUND Enable Legacy (Unsupported) Memory: 2736 K		
8937 bytes in buffer Objects Window	Debug Window Sending: F0 42 30 68 72 00 41 00 0C F7	Clear I	_og
View Selected Korg Kronos: Dump Prog U-B012 v5 Korg Kronos: Dump Comb U-B012 v3	Senialing: r6 42 30 60 72 00 41 40 00 C /7 Final buffer 1584 bytes (2 events),total bytes: 5680 Korg Kronos: Dump Prog U-8012 v5 Sending: r6 42 30 66 72 01 41 00 0C F7		
Send Selected	Final buffer 745 bytes (3 events),total bytes: 8937 Korg Kronos: Dump Comb U-B012 v3		
Clear Selected			
Clear All Buffers			
Prog Chan			
1 0			
Program Change <			
Triton Kronos			
Prog 12 Req 1 Prog Cur Prog Req Cur Setlist Req			
Bank 65 Reg 1 Combi ur Comb Reg Setlist 2 EditBuf			
Bank IN-A - F : 0 - 5 Conv Triton Combi SettistAutoName GM, g(1, g(9, d)): 16 - 26 Conv Triton Combi SettistAutoName			
USER-A G : 64 - 70 USER-A - GG : 71 - 77 (gg only)	Last		>
Combil Tempo: ? Filter Flaction 7F msgs	Last SysEx F0 42 30 68 73 01 41 00 0C 03 00 46 6C 75 74 74 65 72 00 20 46 6C 75 78		
	F0 42 30 68 43 04 01 00 02 00 00 00 7F F7	Send Sy	/sex

Individual Programs or Combis can be requested by entering the appropriate program number and bank number (Prog works for both Prog and Combi requests). This assumes the MIDI out is going to the same instrument. Hints for the bank number are in a text box below.

> Sysexfiler	-	
ile <u>S</u> pecial		
MIDI KRONOS 1 KEYBOARD MIDI KRON	OS 1 SOUND Enable Legacy (Unsupported) Memory: 2745 K	
8934 bytes in buffer Objects Window	Debug Window 	Clear Log
View Selected Korg Kronos: Dump Prog U-B012 v5 Korg Kronos: Dump Comb U-B012 v3 Korg Kronos: Current Object Dump Comb V3	Final buffer 1584 bytes (2 events),total bytes: 5680 Korg Kronos: Dump Prog U-B012 v5 Sending: F04 23 06 87 20 14 100 0C F7	
Send Selected	Final buffer 745 bytes (3 events),total bytes: 8937 Korg Kronos: Dump Comb U-B912 v3 Sending: F04 23 06 87 40 1 F7	
	Senuarg: F0 42 30 00 /4 01 F/ Final buffer 742 bytes (3 events),total bytes: 8934 Korg Kronos: Current Object Dump Comb V3	
Clear All Buffers		
rog Chan 0		
Program Change	>	
Triton Kronos		
Prog 12 Req 1 Prog Cur Prog Req Cur Setlist Req		
Bank 65 Req 1 Combi Cur Comb Req Setlist 2 EditBuf		
Bank INT-A - F : 0 - 5 GM, g(1)-g(9,d)): 16 - 26		
	k Last F0 42 30 68 75 01 03 00 4C 6F 73 74 20 4C 61 00 6B 65 20 6F 66 20 53 00	

If a Combi object is highlighted in the edit buffer (use CurCombReq to request), clicking on the Combi Tempo will display the actual Tempo value from that Combi. (If you are in an external clock mode, the Kronos won't display the tempo, rather it changes to " \Box = EXT").

From the File Menu, you can save/load objects as Sysex binary, or CSV (text) files.

ToolTips are available for many objects in the UI. Hover the mouse over the object to see tool tips.

SysexFiler has been tested under Windows XP, Windows 7, and Windows 10.