

Using Midiox to transmit and receive syx file to the Casio VZ-1

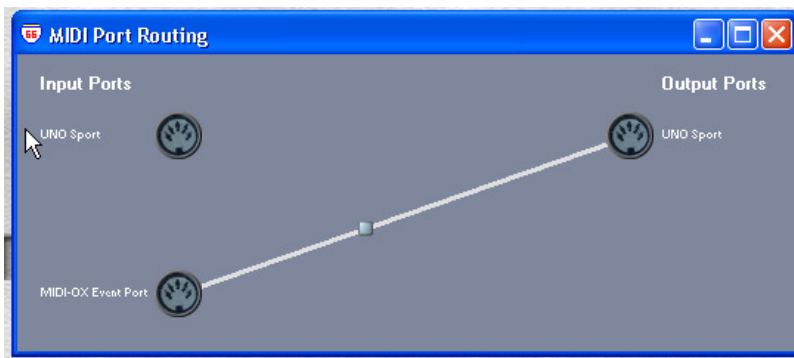
I am the proud owner of a mint condition Casio VZ-1. Recently, some have asked about transmitting and receiving SysEx file to the VZ-1. I have played with VZ1Patch, which is an old Atari ST program that was converted to run on windows platforms. I have had no luck with VZ1Patch. It crashes every time I try to transmit a bank to the VZ-1.

I have been a long time user of Midiox to interconnect my midi equipment, both standard midi and usb. The following is a step-by-step guide of how I connect my VZ-1 to my computer, so that I can load new data.

Setup the Casio VZ-1 to receive data

* The VZ1 is NOT capable of automatically dumping an entire bank of data. The dump must be initiated from the VZ as described below.

1. Make sure the midi switch on the back of the VZ-1 is in the **ON** position
2. Turn off Internal Memory Protection in Menu 03 / Page 01 (*INTERNAL MEMORY = ON/OFF*)
3. Enable "Exclusive" in Menu 03 / Page 04 (*Exclusive = DIS/ENA*)
4. Set the Save / Load settings on Menu 03 / Page 02 (*This includes the following parameters*)
 - a. Save / Load = Load
 - b. Card /Midi = Midi
 - c. Data =
 - i. Voice
 - ii. VC + OP
 - iii. OPMEM
 - d. Execute = YES
5. Open Midiox and configure the midi in and midi out ports for your VZ-1



I use an M-Audio Uno Sport Midi to Usb cable. Once connected, I disconnect the connection from the in port to the output port so that I will not get an error from having the midi thru connected to another device. Just right click on the connection and choose "Disconnect >>YOUR IN to YOUR OUT". You have to have the *Midi-ox Event Port* connected to the output port going to your VZ-1. The above is how my ports look.

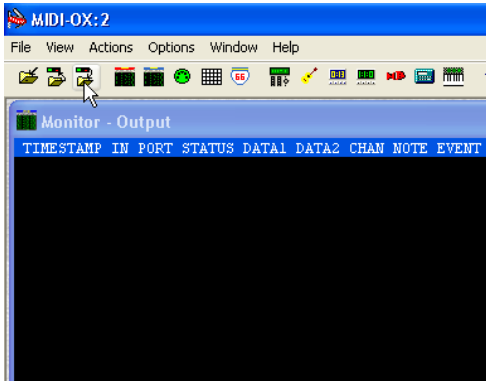
Now you should be able to see the data being transferred and received by your VZ-1 in the Monitor Windows.

If you do not have the Monitor Windows open, click these two buttons

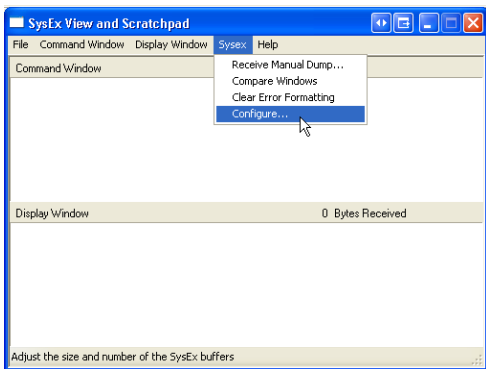


Configure Midiox to transmit /receive data

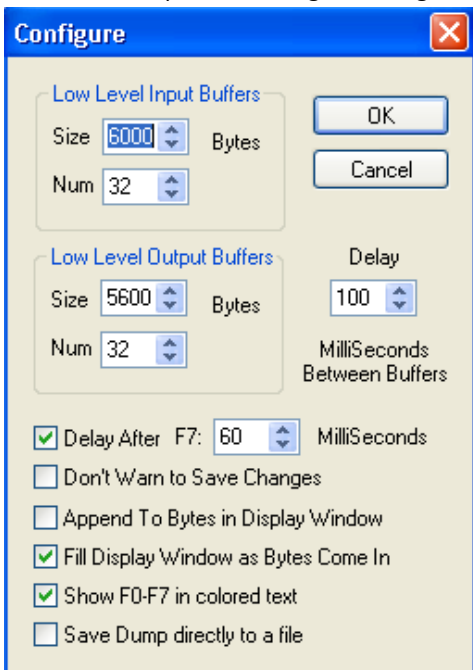
1. Click the third icon from the left to open the "SysEx View and Scratchpad"



2. Choose "Configure" from the "Sysex" menu



3. This will open the configure dialog window



These are my settings, the **settings are the same** in both the Low Level Input Buffers and Low Level Output Buffers

Size is set to 56000 Bytes (Note: the size field will only show 4 characters. That is why the top one show 6000 and the bottom one shows 5600)

Num is set to 32

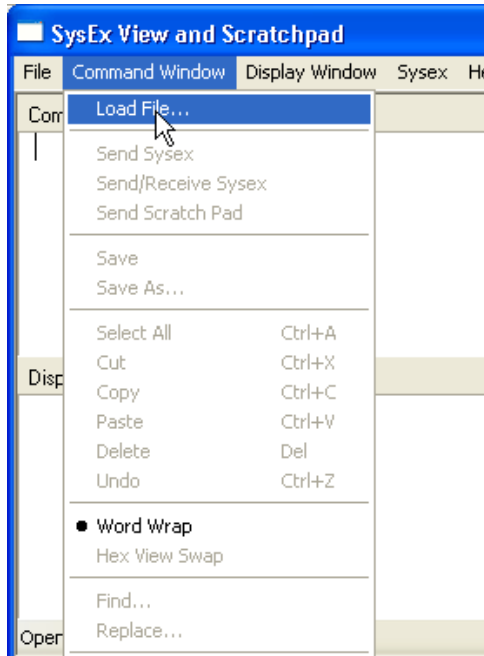
Delay between Buffers is set to 100

Delay after F7 = 60 MilliSeconds
And you can see the rest of my setup
Click OK

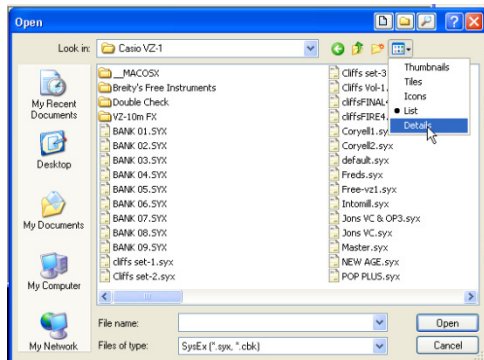
(Note: The connection between my VZ-1 and computer is more than 20-feet. So you may have to change your delay times.)

Transmit data to your VZ-1

4. Choose "Load File..." from the "Command Window" menu



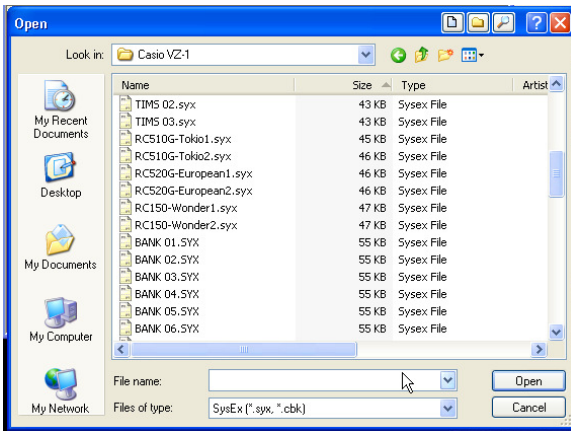
This will open the "Open Dialog" window. Go to your syx folder. Change the display window to display "Details"



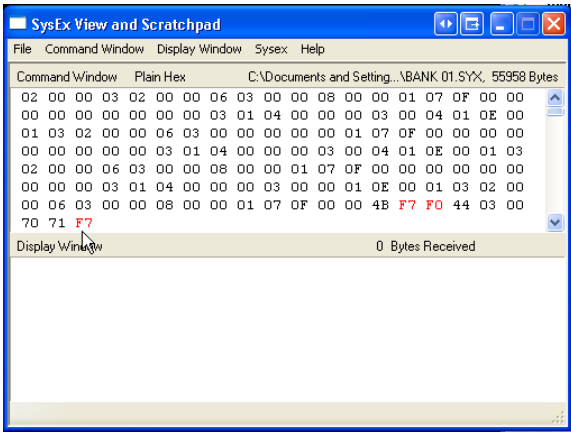
This is so you can see the file size of the syx files.

Files that are **43KB** are voice files, so to transmit these files to your VZ-1, set Data = Voice on Menu 03 / Page 02 on your VZ-1.

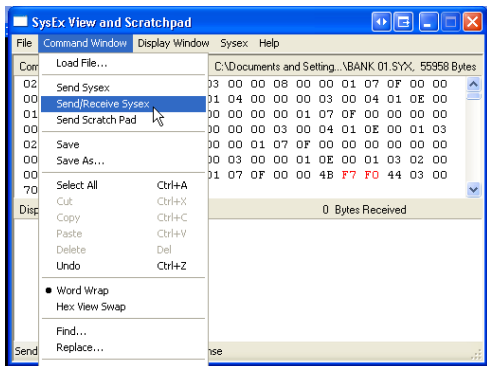
Files that are **55KB** are VC + OP data file, so to transmit these files to your VZ-1, set Data = VC + OP on Menu 03 / Page 02 on your VZ-1



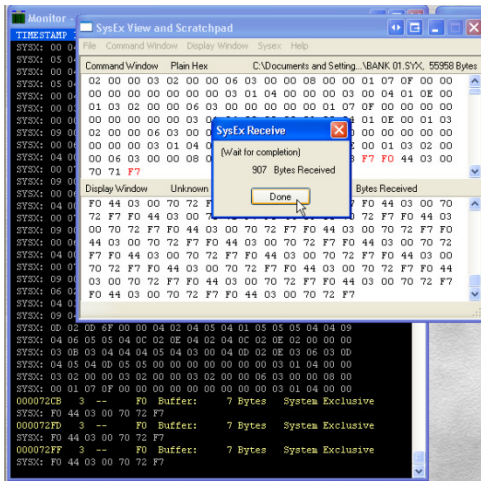
Bank Loaded to be transferred



The hex data for the bank you just selected will be displayed in the top portion of the SysEx View. Now on your VZ-1, select "Execute" on Menu 03 / Page 02. You should see **Executing** start to blink. Now in Midiox choose "Send/Receive Sysex" from the "Command Window" This will enable you to watch as the data is passed to you VZ-1. (Note: Both the midi in and the midi out cable must be connected to your VZ-1 to see if the data is being received)



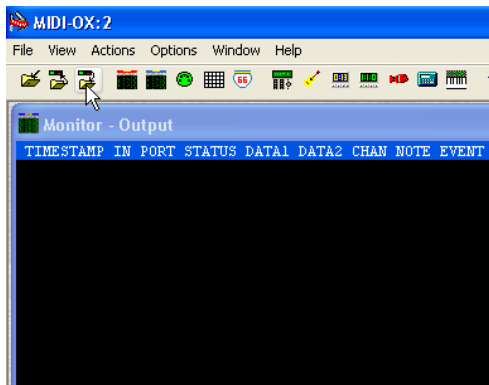
If everything went as it was intended you should see the next window, saying that around 900 bytes have been received for a file **55KB** in size.



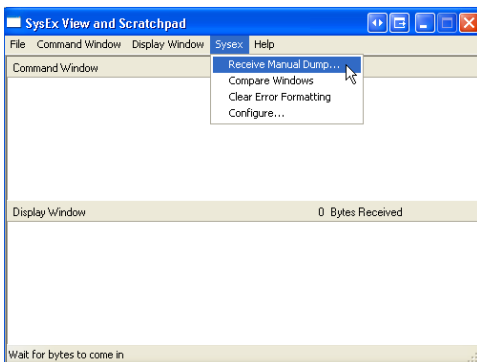
On your VZ-1's display you should see that the load is complete

Receive data from your VZ-1

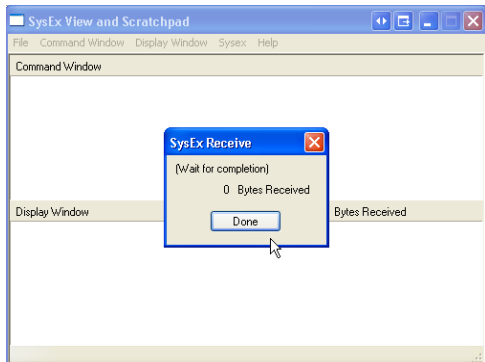
1. Click the third icon from the left to open the "SysEx View and Scratchpad"



2. Choose "Receive Manual Dump" from the "SysEx" menu

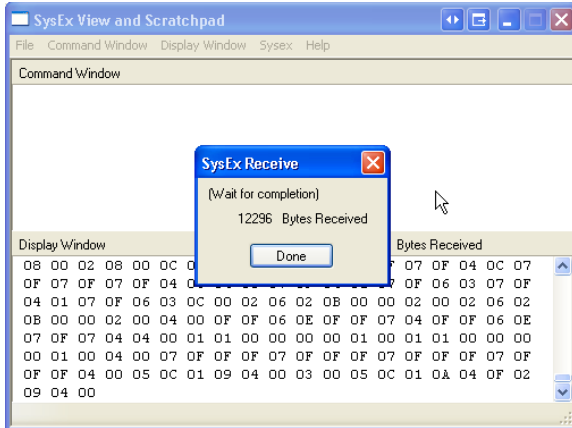


Midiox will start waiting to receive data



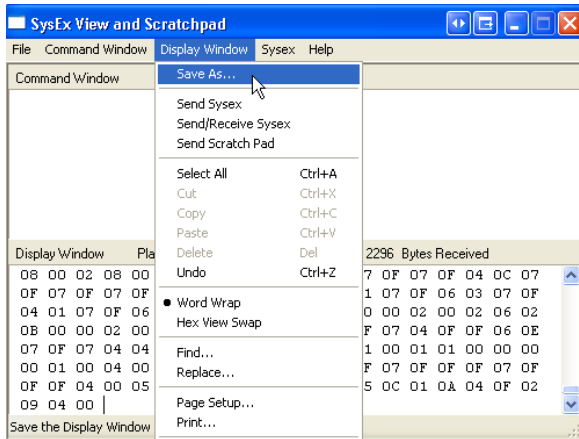
3. Setup what data you want to save on VZ-1 Menu 03 / Page 02

4. In this example we will set Menu 03 / Page 02 as follows:
 - a. Save / Load = Save
 - b. Card /Midi = Midi
 - c. Data = VC + OP
 - d. Execute = YES
5. After you select Execute on your VZ-1, wait for the data transfer to finish. You should see a window similar to below.



Now you can save your bank as you need.

6. Choose "Save As..." from the "Display Window" menu



Name the bank and save it to your hard drive.

I hope this will help someone. This is how I have been able to load/save data to my keyboard. If anyone finds a better setting configuration please let me know.

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