User Guide for Cockos Reaper

Configuration guide for Windows and macOS to use with our Editor & Librarian plug-ins
Intro

In this little Cockos Reaper User Guide you will find the instructions to get our plug-in to work with Cockos Reaper with ease. This is universal tutorial for all of our plug-in, but we are using our Roland JP-80x0 plug-in in this guide.

Checkout the plug-in user manual prior to this guide, so you have the knowledge to setup the plug-in properly.

Also, as we are not Cockos Reaper experts, we encourage you to read the Reaper manual in order to fully understand your DAW.

We hope you have taken all the necessary precautions prior to using our product, like making a full backup of your synthesizer memory.

IMPORTANT!

Our company & plug-in has nothing to do with Cockos company, so please don’t bug them if you encounter issues with the plug-in – open a support thread in our plug-in forums in such case: https://help.mysteryislands-music.com/forums/

Support and plug-in updates are free for life to anyone who has bought the license from our store.
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Cockos Reaper

Preferences

Open your DAW and enter Preferences. We will make sure that MIDI ports are disabled for those ports, where your synthesizer is connected at. This will ensure that your DAW won’t crash and we won’t be getting double data in to the DAW processing loop.

Options -> Preferences...
MIDI Devices

Open MIDI Devices [1] tab in Preferences. Locate the Input port, which receives MIDI from your synth. Right click the MIDI device (RME RayDat Port 1 in my case) and choose “Disable input”. Example: My JP-8000 MIDI Out sends MIDI to RayDAT Port 1 Input.

Windows: Do the same for JP-8000 vMIDI Out we created in Setting MIDI Devices User Guide. JP-8000 vMIDI In [2] can be “Enabled”, so we get the notes to our DAW from the synthesizer itself!
Windows: Now in the next image you can see how I have enabled JP-8000 vMIDI Out.

![Image of REAPER Preferences showing enabled JP-8000 vMIDI Out]

Windows: And here in the last picture we can see how the RayDat Port 1 has been disabled so DAW does not use it.

![Image of REAPER Preferences showing disabled RayDat Port 1]

Now we can close Preferences.

NOTE #1: You can check our support site for additional guides like Setting MIDI Devices to learn how we added JP-8000 vMIDI In and JP-8000 vMIDI Out ports in the DAW.
**Insert the plug-in**

We can now safely add the plug-in to the arrangement as we have disabled the physical ports in the Preferences.

**Track -> Insert virtual instrument on new track...**

Locate the plug-in you are using from the Instruments menu. See image below.
Plug-in window will now appear.
**MIDI IN / MIDI OUT**

Now we can select the Physical MIDI input port which receives MIDI data from your synthesizer.

And then we choose the Physical MIDI Out port which sends data to the synthesizer MIDI input.
Plug-in will now attempt to establish connection with the synthesizer, so it might take some time if your settings are not right or if you chose a wrong MIDI port by mistake. You should see plug-in saying PROCESSING... somewhere in the plug-in interface and also ABORT PROCESS button will appear.

If all of the settings are correct, you will see “Plug-in is ready to go!” [1] message in the plug-in display.

If something is wrong with your settings, plug-in will say “No response from JP!” [1] and that indicates something is wrong with your synth settings, MIDI device or Reaper Preferences.

Once the connection is in, you should sync the data with your hardware. Usually this function can be ran from the patch librarian tab / page of the plug-in & “Sync Data From HW” button. Check the plug-in user manual to learn more.

We can now close the plug-in window and move on.

NOTE #1: Check troubleshooting from the plug-in, daw or synthesizer manual if you can not establish connection. You can also seek help from our support site if you can't find out what is causing error in your setup.
Automating Plug-in Parameters


Now there are new tracks below the instrument track indicating automation with lane on the arrangement.
**Note #1:** You can configure as many parameters as you wish. System Exclusive (SysEx) parameters and system buttons can not be automated.

**Note #2:** For some unknown reason, it is not yet possible to draw automation in any DAW when moving the knob from the hardware. It has to be done with the plug-in user interface.

Start drawing in OR move the knobs in the plug-in while recording to make automation! Before you start to pursue with MIDI blocks, read the next chapter!
Assign MIDI tracks to Reaper arrangement

Now, in order to send MIDI notes to the synthesizer, we need to have MIDI tracks in the DAW.

Track -> Insert new track

Click “Sends, Receives, and Hardware Output Options” [1] button in the mixer to reveal more settings.
Set Port to “JP-8000 vMIDI Out” and “Send to channel 1” in “MIDI Hardware Output” [1] highlighted box. macOS users can point the MIDI out directly to the hardware physical port.

Give the track a name which is appropriate for your setup. I’ve renamed my track to “JP-8000 Lower” so I know it is sending MIDI data to JP-8000’s lower layer.

Since we need to add more tracks to take advantage of the dualtimbral feature of JP-8000, I’m going to duplicate the previously created MIDI track. Right click the track and choose “Duplicate tracks”.

[Diagram of DAW interface showing track routing and settings]
Assign MIDI Channels so that they match your synthesizer part / layer MIDI channels. I have renamed the track to “JP-8000 Upper” and I will assign the MIDI channel to MIDI channel 2 [1].

Note #1: MIDI out is pointing to JP-8000 vMIDI Out, which I’ve created in our Setting MIDI Devices guide. macOS users can point the MIDI out directly to physical MIDI port of synth.

Note #2: If you have multitimbral setup / use with your synthesizer, which most can do, then add more MIDI tracks and point them to respected MIDI channels.
Finishing it up!

Final step is to add Audio track, so we can hear the synthesizer in action.

Track -> Insert new track

Select appropriate Audio Inputs and Name your channel as required. Remember to select the inputs where your synth Audio Output is connected! I have renamed the track to “JP-8000 Input”.
Based on your setup style, select appropriate Monitor and Record methods for the track. You can reveal the menu by clicking right mouse button on the audio track.

Toggle on Monitoring for the Audio Track to hear the Audio from your synth while making some MIDI blocks and you have some sort of automation (if needed).

Note #1: You might have routed your Audio Output from the synth itself to external mixing desk or speakers, so make sure you power those units on. Otherwise there won’t be any sound because our plug-in does not transmit any audio data to the DAW.
Thats it for the Cockos Reaper user guide. We hope you find this useful.

You have some suggestions? Yes please!

We are always open for new suggestions and ideas regarding to our products. Send your suggestions to us because it will make our products better.

Head down to our forums (links below) and drop your idea in, we will have a look at it and let you know if it can be done.

Thank you.

Plug-in user manuals: https://help.mysteryislands-music.com/
Final Words

We would like to thank you all for your support prior to the development of this plug-in. We hope you will enjoy the advantages this plug-in brings to your everyday production workflow and we hope that you will purchase the full license to our plug-in from our own store.

Development of this plug-in has taken a lot of time, including over 70,000 lines of deep C++ coding, thousands of cups of coffee and endless hours with the graphical user interface.

Coding: Jani Kervinen
Graphics: Jani Kervinen
Patches: Jani Kervinen
Manual: Jani Kervinen

More to come, stay safe and make some music!

https://www.mysteryislands-music.com

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