

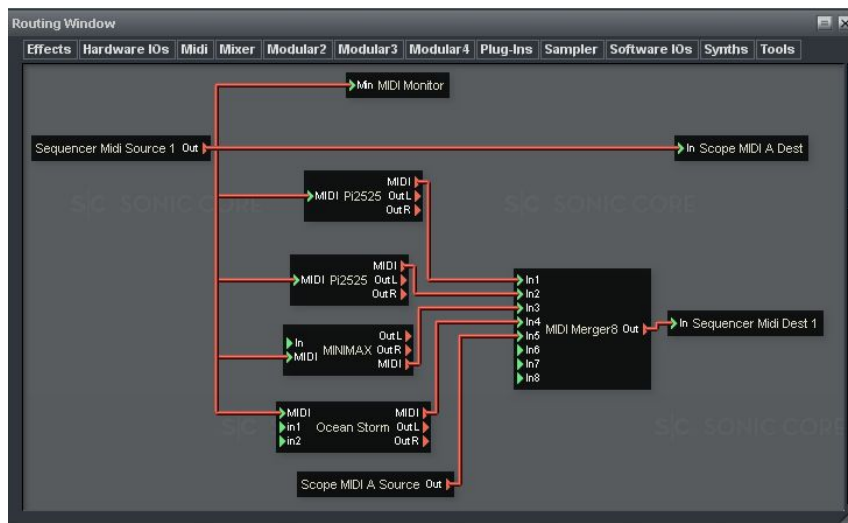
Ocean Swift Synthesis - Pi2525 Control VSTi



The Pi2525 vsti controller is a midi tool that allows control of the Pi2525 Scope synthesizer through DAW applications. The performance and usability of the controller and its features depends a lot on the DAW environment it operates in and is limited by the resolution of the midi standard - thus It does not aim to replace the interaction with the device itself, but rather to enhance and open up extra workflow possibilities.

Setup and Operation

In Scope load the Pi2525 device and connect the sequencer midi source to the Pi2525 Midi input. For bi-directional communication connect the midi output from Pi2525 to the sequencer midi destination. If you are using multiple devices or if you want to send your external midi keyboard and need more than one connection into your sequencer midi destination, use a midi merger module to combine the signals as needed.



Load the Pi2525 preset box and from the midi controller bank select the Pi2525 Control preset. Make sure to load the latest version of the control preset that came with your vsti plugin and not the default version installed with Pi2525.



Depending on your DAW, load the Pi2525 control vsti plugin onto an instrument or midi channel and configure that channel to receive and transmit midi. You will probably need to configure the midi channels both within the DAW and on the vsti plugin panel.

Issues:

- The plugin is known to cause issues on Windows XP and prior versions. It is recommended you use this plugin on Windows 7 and above. The plugin is provided in 32bits.
- **Warning:** connecting more than one Pi2525 control plugin vsti configured to the same Scope instance of Pi2525 in bi-directional communication on the same midi channel can cause a crash! If you want to use multiple Pi2525 devices with multiple control vsti then make sure to configure each vsti to a unique midi channel before making the Scope connections!
- On some DAWs incorrect behavior may occur with bi-directional midi communication between the vsti plugin and the Scope device. If you experience problems such as incorrect preset loading, try disconnecting the midi output from the Pi2525 and the sequencer midi destination module in Scope. In such a setup the Scope device will not update the vsti parameters when presets are changed or when knobs are moved directly in Scope, but you will still be able to control and automate the device from within your DAW.
- Remember that midi has a resolution of 127 steps. The resolution of the parameters on the device itself is much greater than that output from the vsti parameters. For this reason, when fine tuning and delicate editing is in order, it is still best done on the Scope device,
- When you wish to store the device state (preset) directly in your DAW, remember to turn off the preset button on the vsti, or else it would send Scope a preset number.

Master Midi Controls

Midi: Power button for the device. Useful for making sure no midi loops occur while you load multiple control plugins.

Notes: Determines whether note messages are passed through the plugin or not. Allows you to use the plugin to also directly play the device or strictly as a controller for the parameters.

Preset: Determines whether program change messages are output from the preset knobs to the Scope device. For bank selection you will need to load a bank from within Scope.

Midi Channel: Set to the same midi channel as the Pi2525 on Scope. Also make sure the channel you are using in your DAW is transmitting to and from the selected channel.

Panic: Click to send an all sounds off midi message. Provided as a precautionary measure in case of midi troubles.

Presets Knob: Changes presets on the Scope device within the selected bank (bank selection must still be done within Scope by browsing the Scope preset manager). When in bi-directional communication, changing presets will change the parameters on the vsti as well. Only active when the preset button is on.

The vsti plugin faithfully re-creates the parameters of the Pi2525 device aside from the stereo delay divider text faders. When the delay is in sync mode, you will have to set these to your liking on the Scope device. Take note that the Pi2525 main volume knob is also not present on the vsti. For convenience, it is suggested that you place this knob at the middle position as you work with the vsti.

Randomizer

A unipolar randomizer is provided within the vsti plugin. This assigns a new random value to the selected parameters and is NOT based on the current value. Each section of the synth can be included in or excluded from the randomizer circuit. For each section an overall randomize depth amount is provided - remember this is unipolar. Turning on the seq button will trigger the randomizer with each new midi note in addition to the random button. Take into consideration a lot of parameters are sent at once - in sequencer mode it is best to provide some space between each note to let the changes propagate.

Midi CC Chart for Pi2525 Control VSTi Plugin

Osc1			
Wave	Knob Uni	15	
Coarse	Knob Bi	16	
Fine	Knob Bi	17	
Env	Knob Uni	18	
LFO	Knob Uni	19	
PW	Knob Bi	20	
PWM	Knob Uni	21	
Rate	Knob Uni	22	
Xmod	Knob Uni	23	
Xmod On	On Off Switch	24	
Supersaw			
Detune	Knob Uni	25	
Mix	Knob Uni	26	
Feedback			
Harmonic	Knob Uni	116	
Feed	Knob Uni	117	
Sweep	Knob Uni	118	
Noise			

Cut	Knob Uni	30	
Res	Knob Uni	31	
Sweep	Knob Uni	119	
Osc2			
Wave	Knob Uni	33	
Coarse	Knob Bi	34	
Fine	Knob Bi	35	
Env	Knob Uni	36	
LFO	Knob Uni	37	
AT	Knob Bi	38	
PW	Knob Bi	39	
PWM	Knob Uni	40	
Rate	Knob Uni	41	
Sync	On Off Switch	42	
Amp Env			
Attack	Knob Uni	43	
Decay	Knob Uni	44	
Sustain	Knob Uni	45	
Release	Knob Uni	46	
Slope	Knob Uni	47	
Vel	Knob Bi	48	
D Rand	Knob Uni	49	
Filter			
Cut	Knob Uni	50	
Res	Knob Uni	51	
Env	Knob Uni	52	
LFO	Knob Uni	53	
KBT	Knob Bi	54	
AT	Knob Bi	55	
Filter Env			
Attack	Knob Uni	56	
Decay	Knob Uni	57	
Sustain	Knob Uni	58	
Release	Knob Uni	59	

Slope	Knob Uni	60	
Vel	Knob Bi	61	
D Rand	Knob Uni	62	
Filter LFO			
Wave	Knob Uni	63	
Rate	Knob Uni	115	
Div	Knob Uni	65	
Phase	Knob Bi	66	
Sync	On Off Switch	67	
Retrig	On Off Switch	68	
Mild	On Off Switch	69	
Pitch/Mod Env			
Attack	Knob Uni	70	
Decay	Knob Uni	71	
Slope	Knob Uni	72	
Vel	Knob Bi	73	
D Rand	Knob Uni	74	
Pitch/Sweep LFO			
Wave	Knob Uni	75	
Rate	Knob Uni	76	
Div	Knob Uni	77	
Phase	Knob Bi	78	
Sync	On Off Switch	79	
Retrig	On Off Switch	80	
Mild	On Off Switch	81	
Osc Mix			
Mix	Knob Bi	82	
Ring	Knob Bi	83	
HP Track	On Off Switch	84	
Main Out			
Tune	Knob Bi	85	
Porta Time	Knob Uni	86	

Porta On	On Off Switch	87	
Punch	On Off Switch	88	
BPM	Text Fader		no cc
Bend	Text Fader		no cc
Out	Knob Uni		no cc
EQ			
Bypass	On Off Switch	92	
High	Knob Bi	93	
Low	Knob Bi	94	
Chorus			
Bypass	On Off Switch	95	
Rate	Knob Uni	96	
Depth	Knob Uni	97	
Shift	Knob Bi	98	
Wet	Knob Bi	99	
Phaser			
Bypass	On Off Switch	100	
Rate	Knob Uni	101	
Depth	Knob Uni	102	
Feed	Knob Bi	103	
Offset 104	Knob Bi	104	
Shift 105	Knob Bi	105	
Wet 106	Knob Bi	106	
Delay			
Bypass	On Off Switch	107	
Time Left	Knob Uni	108	
Time Right	Knob Uni	109	
Feed	Knob Uni	110	
Damp	Knob Uni	111	
Sync	On Off Switch	112	
Cross	On Off Switch	113	
Wet	Knob Bi	114	

Credits:

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Gui Design: Fernando Abreu

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