

Nova Control VST

Operation manual

VST Editor / Control Interface for
Novation Nova and SuperNova synthesizers

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by Oleg Mikheev aka GrayWolf

<http://www.graywolf2004.net>

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INTRODUCTION

Overview

Nova Control is a VST editor / control interface for Novation Nova / SuperNova synthesizers. It allows you to integrate Nova / SuperNova into your DAW and use it like a normal VST instrument (all patch information is saved within a project, ability to automate any control). You need x86 (win32) VST compatible DAW (like Cubase, FL Studio, Reaper, Ableton, etc.) to use this software.

Main Features and Limitations

Features:

- Supports all Novation Nova controls, except aftertouch-related;
- Host automation supported for all knobs;
- Bi-directional MIDI implementation (can send and receive control changes from Novation Nova);
- Automatically sends patch data to synth on project load;

Limitations and known issues:

- No aftertouch-related controls (planning to add them);
- No extra controls distinctive for SuperNova (planning to add them);
- No patch transfer from Nova (you can't request patch from Nova);
- In multi mode, you can't set the same MIDI In for several instances (it's a host issue at least in FL);

INSTALLATION

VST Plugin

Simply copy Nova Control VST.dll" into your VST Plugins folder. By default, it's "C:\Program Files\Steinberg\VstPlugins" unless you specified another folder manually.

Setting up Novation Nova

Global Settings

Set MIDI Clock to External:



```

MIDI clock      Ext
Breath control  Off
  
```

Enable incoming control change (Nova should respond to CC events sent from editor)



```

Incoming control
change          Enabled
  
```

Disable incoming program change (to prevent from accidental program changed, editor doesn't send program change messages)



```

Incoming Program
change          Disabled
  
```

Enable controller change transmitting, disable program change transmitting



```

Prog change Tx  Off
Controllers Tx  On
  
```

Performance Settings

For multi-timbral usage, you need to create a template performance with initial patches, each part on it's own channel (1 – 6 for Nova, 1- 8 for SuperNova). This way it's possible to control each part separately on it's own MIDI channel.

Create a new performance for slot A001



```

Init Perf Ch1-6
                Perf A001
  
```

Un-mute all parts, set Initial Program for all parts (Osc 1 saw, level 100).

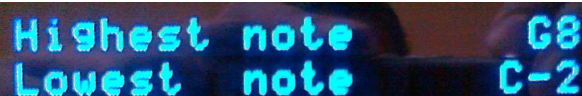


```

Sustain          Enable
MIDI channel      1
  
```

For each part, set MIDI channel = part number (Ch 1 for part 1, ch 2 for part 2, etc.).

Make sure that keyboard range is not restricted.



```

Highest note     C8
Lowest note      C-2
  
```

SETUP IN HOST APPLICATION

There are two ways to send MIDI messages from editor to Nova:

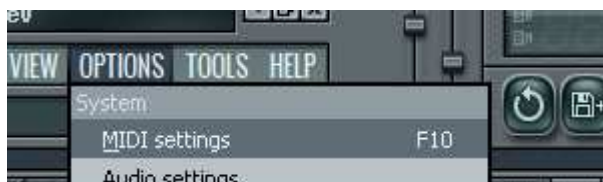
- Specify MIDI Out in the editor (it should not be used by DAW);
- Route plugin MIDI Out to appropriate MIDI Out port using DAW;

Second option is better, since it allows to send MIDI Sync from host, so tempo synced delays and LFO's will work properly (with first option it's not possible unless you use tools like MIDI Yoke).

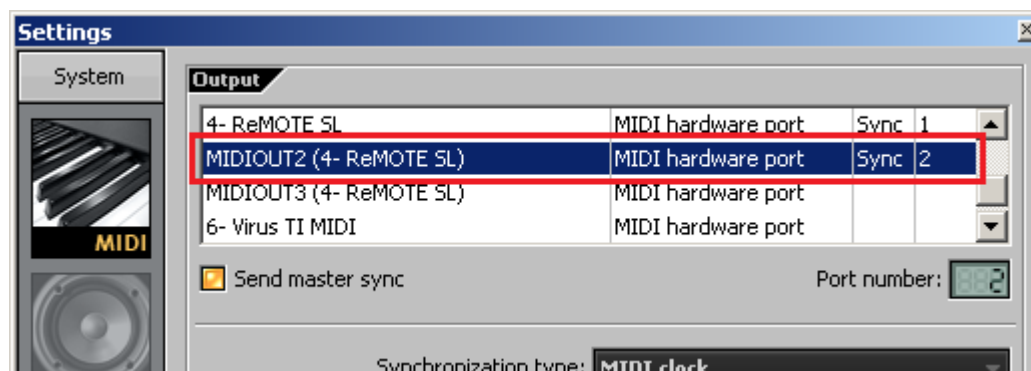
Setting up in FL Studio

System MIDI Settings in FL Studio

Go to OPTIONS → MIDI Settings



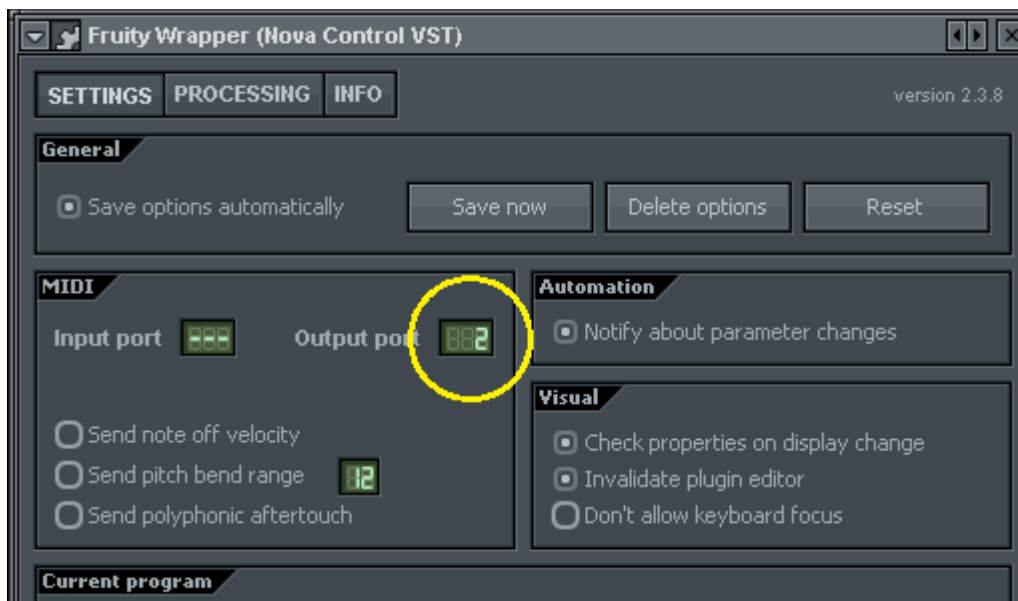
Locate MIDI Out interface you use to connect Nova's MIDI In, set port number for it and enable «Send master sync»:



Load Nova Control VST to any track, go to Fruity Wrapper settings:



Set Output port to the same number



In this scenario, you don't have to change MIDI Out setting, leave it as "None / Plugin MIDI Out"



For BI-directional editing, set MIDI In port (Nova MIDI Out should be connected to this port).



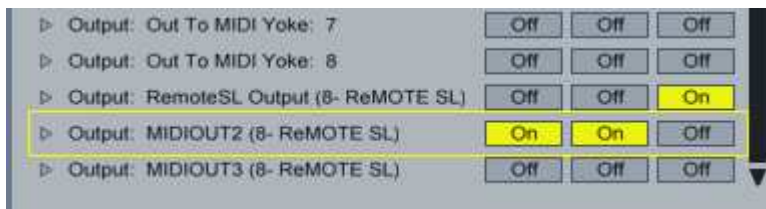
NOTE: FL Studio doesn't allow to share MIDI In port for several instances, so, BI-directional editing will work only for single instance. For MIDI Out port several instances work fine.

Setting up in Ableton Live

First, you should enable hardware MIDI Out port (your Nova is connected to) in Preferences:

Go to **Options** → **Preferences**

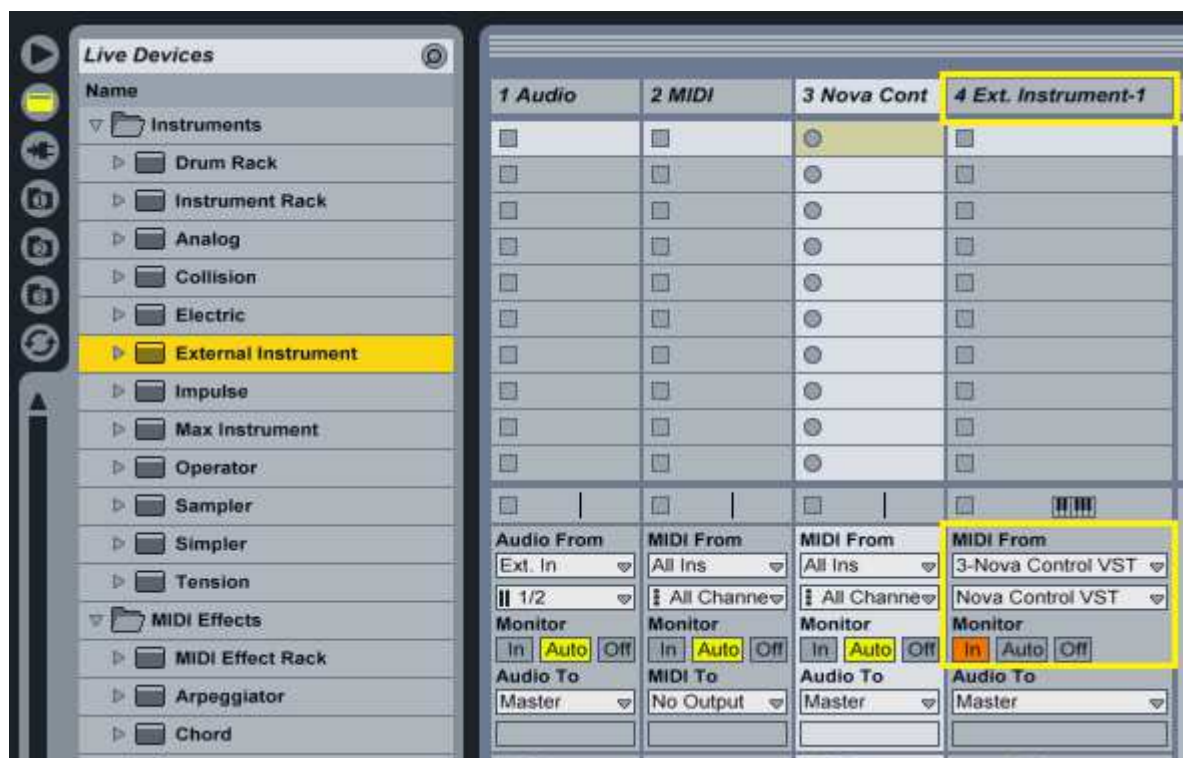
For MIDI Out port, turn on "Track" and "Sync".



Go to plugin device browser, add **Nova Control VST**:



Go to Live Device List, add **External Instrument**, set MIDI From to "Nova Control VST" (both combo boxes), set Monitor to **In**.



Go to External Instrument settings, select MIDI Out port (your Nova is connected to), set channel to 1 (for multi-part scenario, channel = part number, 1 to 6).

For Nova Control, don't change MIDI out port. For multi-part scenario, channel number = part number, 1 to 6:



For bi-directional editing, select MIDI In port your Nova is connected to (will work only for 1 instance).

For audition, set Monitor to **In** for Nova Control track. If Monitor is set to auto, you can also select this track or press "Arm for recording" button



INTERFACE

GUI Controls

Knobs



To adjust knob value, drag mouse up and down. Hold **Shift** for fine adjustments.
Right-click to set the default value.

Selection boxes



To adjust the value, drag mouse up and down or press left and right buttons.
Hold **Shift** for fine adjustments. **Right-click** to set the default value.

Radio-buttons



Click the appropriate line to set the respective value.
Right-click to set the default value.

SUPPORT AND UPDATES

For the latest version, check my website

<http://www.graywolf2004.net>

For comments and suggestions, use this thread at SynthMaker forums:

<http://synthmaker.co.uk/forum/viewtopic.php?f=10&t=11378>

You can also contact me at

graywolf2004@mail.ru