



# NEURAL ABASI Archetype 2.0.0 for Windows and MacOS User Guide

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## NEURAL ABASI Archetype 2.0.0 for Windows and MacOS



### INTRODUCTION

We worked closely with Tosin Abasi to recreate every distinct sonic aspect of his unique gear. This plugin captures the go-to tones that Tosin used live and in the studio. It's a complete plugin, with 5 sections, and multiple options for the pedals and amplifiers. Neural DSP partnered with Tosin Abasi to bring you this awesome product consisting of: Logos compressor pedal, Pathos distortion pedal, Clean, Rhythm, and Lead amplifiers, Graphic EQ, Delay and Reverb pedals. In addition to the accurate analog emulation of this product, we added a Cab Simulation block where you can find a pack of carefully recorded impulses specially designed by Neural DSP. We proudly present to you Archetype: Abasi.



## GETTING STARTED

### BASIC REQUIREMENTS

To start using NEURAL DSP Plugins you will need:

1. A computer capable of multitrack audio processing, Mac or PC.
2. An audio interface.
3. Supported host software (DAW) for recording.
4. An iLok User ID and the latest version of the iLok License Manager application.
5. A Neural DSP Account.

**Note:** You don't need an iLok USB dongle to use our products since you can activate them directly into your computer.

### SUPPORTED OPERATING SYSTEMS|

- OS X 10.15 – 11 (64-bit)
- Windows 10 (64-bit)

### SUPPORTED HOST SOFTWARES

To use Neural DSP software as a plugin, you need audio software that can load it (64-bit only). We officially support the following Software to host our plugins:

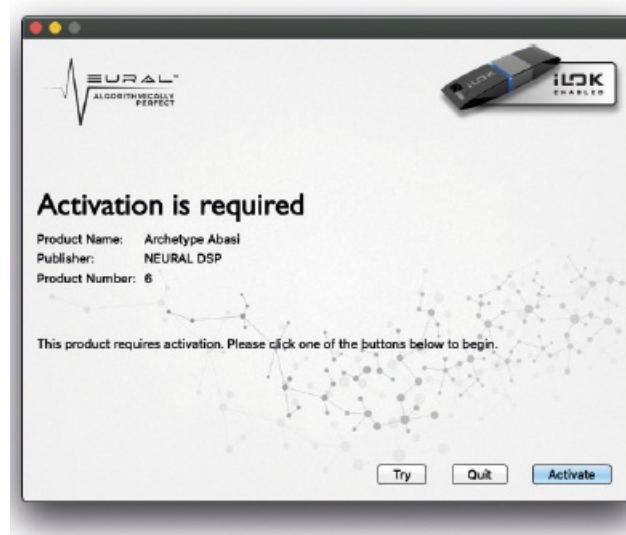
- Pro Tools 12 – 2020 (macOS & Windows): AAX Native
- Logic Pro X 10.5 or higher – (macOS): AU
- Cubase 8 – 10 (macOS & Windows): VST2 – VST3
- Ableton Live 10 or higher (macOS & Windows): AU, VST2 & VST3  
Reaper 6 or higher (macOS & Windows): AU, VST2 & VST3  
Studio One 4 or higher (macOS & Windows): AU, VST2 & VST3
- FL Studio 20 (macOS & Windows): VST2 & VST3
- Reason 11 (macOS & Windows): VST2 & VST3
  - All our products include a standalone version (64-bit only). Support is offered for these operating systems and software platforms. This doesn't mean our plugins will not work in your DAW, just download the Demo and try (Please check that your host software is compatible with your operating system first). For more information, check our FAQ page here: <https://support.neuraldsp.com/help>

## GETTING STARTED

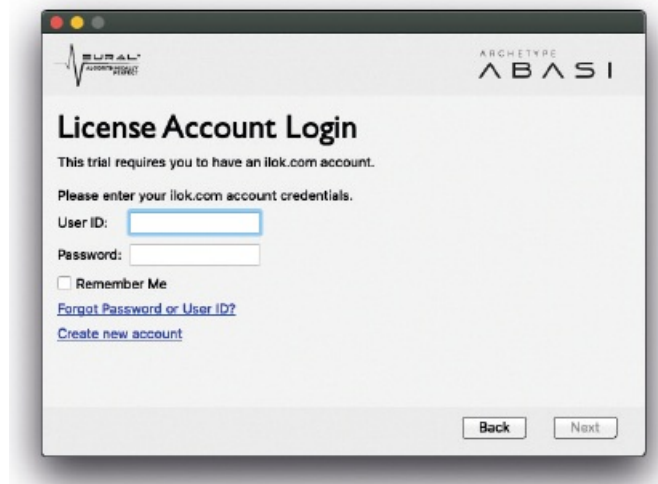
### ILOK USER ID AND ILOK LICENSE MANAGER

#### DEMO PRODUCT ACTIVATION

Right after the setup installation, you will see an activation window. Click on the "Try" button. If you don't see that button, close and reopen the plugin/standalone app.



If you don't have an iLok account, you can create one right here:



At this point, the iLok License Manager software will be installed on your computer... and that's it! Notice that your trial expires after 14 days.

## FULL PRODUCT ACTIVATION

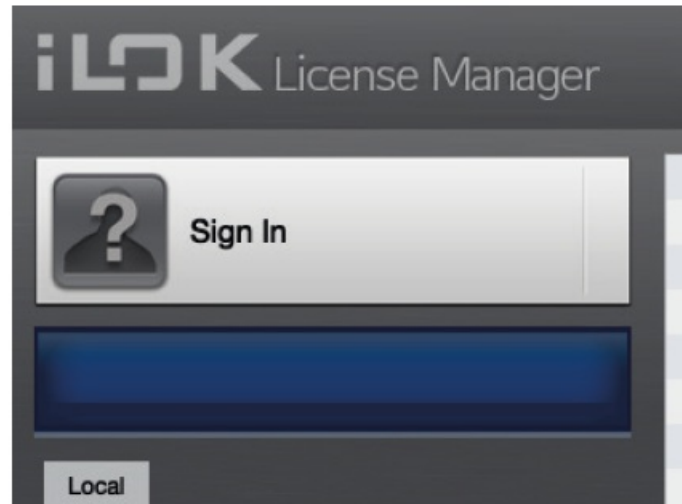
**Note** that Neural DSP and iLok are different accounts. Full licenses for Neural DSP products are delivered directly to your iLok account. So, make sure your iLok account is created and linked to your Neural DSP account before purchasing.

- Please make sure you have the latest iLok License Manager application installed and running.  
(<https://www.ilok.com/#license-manager>)
- Login with your iLok account. If you don't have an iLok account, you can create one right here:  
<https://www.ilok.com/#registration>

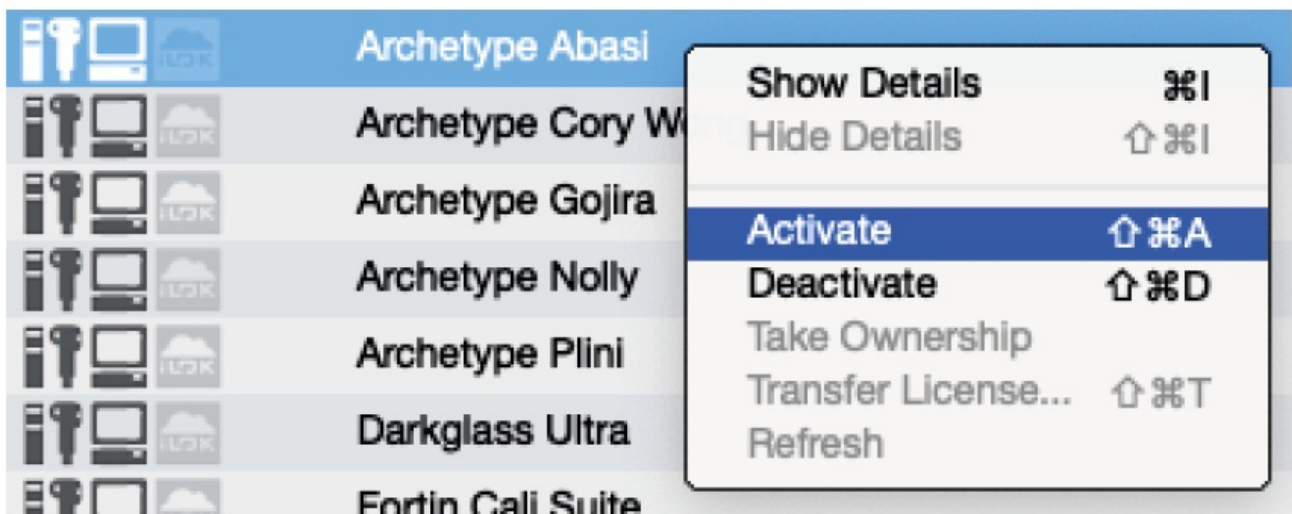
To get a full license for any of our products, go to our website, click on a plugin you want, select "add to cart" and complete the steps for purchasing. After the checkout, the license will be deposited directly to your iLok account.

**After that, please follow the following steps:**

- Make sure you have the latest iLok License Manager application installed and running.  
(<https://www.ilok.com/#license-manager>)
- Log in with your iLok account in iLok License Manager.



- After that, go to the “All Licenses” tab on top, right-click on the license and select “Activate”.



- Install the Plugin by running the installer. (<https://neuraldsp.com/downloads/>)
- Rescan your Plugins within your DAW and restart your DAW.
- You can run the standalone version as well (If you run it on Windows, you can find the executable in C:/Program Files / Neural DSP //. If you run it on Mac, you can find the app under the Applications folder).

## FILE LOCATIONS

NEURAL DSP Plugins will be installed in the appropriate default location for each plugin format (VST, VST3, AAX, AU) unless a different custom location is selected in the process.

### MacOS

- AudioUnits: Macintosh HD / Library / Audio / Plug-ins / Components / Archetype Abasi
- VST2: Macintosh HD / Library / Audio / Plug-ins / VST / Archetype Abasi
- VST3: Macintosh HD / Library / Audio / Plug-ins / VST3 / Archetype Abasi
- AAX: Macintosh HD / Library / Application Support / Avid / Audio / Plug-ins / Archetype Abasi
- Standalone App: Macintosh HD / Applications / Archetype Abasi
- Preset Files: MacintoshHD / Library / Audio / Presets / Neural DSP / Archetype Abasi
- Manual: Macintosh HD / Library / Application Support / Neural DSP / Archetype Abasi
- Note: Archetype Abasi is available in 64-bit only.

### Windows

- 64-bit VST: C:/ Program Files / VSTPlugins / Archetype Abasi 64-bit VST3: C:/ Program Files / Common Files / VST3 / Archetype Abasi
- 64-bit AAX: C:/ Program Files / Common Files / Avid / Audio / Plug-Ins / Archetype Abasi
- 64-bit Standalone: C:/ Program Files / Neural DSP / Archetype Abasi
- Preset Files: C:/ ProgramData / Neural DSP / Archetype Abasi Manual: C:/ Program Files / Neural DSP / Archetype Abasi
- Note: Archetype Abasi is available in 64-bit only.

## UNINSTALLING NEURAL DSP SOFTWARE

To uninstall, delete the files manually from your respective plugin format folders. For Windows, you can uninstall the files by running the regular uninstaller at the Control Panel or by running the setup installer file again and clicking on “Remove”.

## PLUGIN SECTIONS

**THE PLUGIN** Including:

- LOGOS – Compressor Pedal
- PATHOS – Distortion Pedal
- Clean Amplifier
- Rhythm Amplifier
- Lead Amplifier
- Graphic EQ x3
- Neural DSP Cabsim
- CHRONOS D – Delay Pedal
- CHRONOS R – Reverb Pedal

## STOMP EFFECTS SECTION



### LOGOS – COMPRESSOR PEDAL

- LEVEL KNOB: Adjusts the output signal and compensates for an eventual volume loss caused by the compression.



- **COMP KNOB:** The amount of gain reduction and make-up gain are determined by this knob.
- **TONE KNOB:** Controls the amount of high-frequency contour.
- **BYPASS STOMP SWITCH:** Click to activate/deactivate.

## **PATHOS – DISTORTION PEDAL**

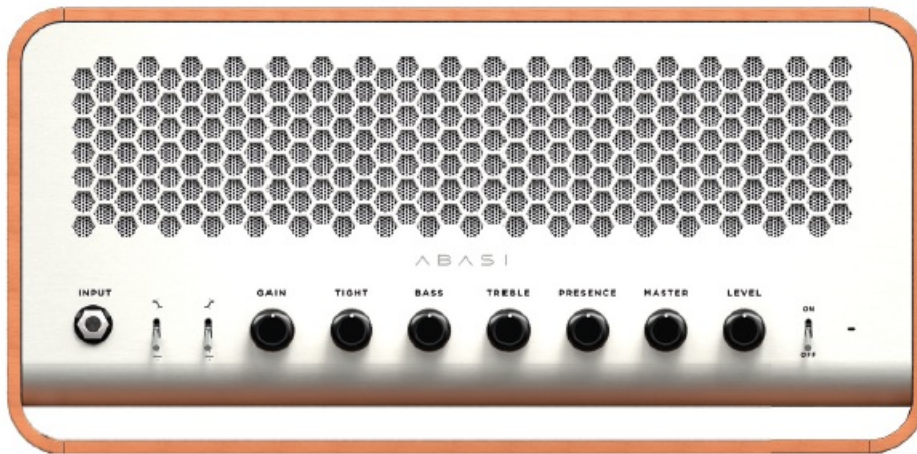
- **BASS, MID & TREBLE KNOBS:** Tonestack of the pedal. 3-band EQ. **VOLUME KNOB:** Controls the overall volume of the pedal. **VOICING SWITCH:** “Smooth” and “Edge” voicings that give you two distinct styles of distortion. Click on it to toggle.
- **GAIN KNOB:** Adjust the amount of gain of the pedal.
- **BYPASS STOMP SWITCH:** Click to activate/deactivate.

## **AMPLIFIER SECTION**



## **CLEAN AMPLIFIER**

- **LOW BOOST SWITCH:** Increases the amount of low-end signal. Click to activate.
- **BRIGHT BOOST SWITCH:** Increases the amount of high-end signal. Click to activate.
- **GAIN KNOB:** Controls the amount of gain of the preamp section. **BASS, MIDDLE & TREBLE KNOBS:** Tonestack of the amplifier. 3-band EQ.
- **BLEND KNOB:** Mixes the processed signal of the amplifier with the direct input signal.
- **MASTER KNOB:** Controls the amount of gain of the poweramp section.
- **LEVEL KNOB:** Controls the overall volume of the amplifier.
- **POWER SWITCH:** This switch bypasses the amplifier section.



## RHYTHM AMPLIFIER

- **LOW BOOST SWITCH:** Increases the amount of low-end signal. Click to activate.
- **BRIGHT BOOST SWITCH:** Increases the amount of high-end signal. Click to activate.
- **GAIN KNOB:** Controls the amount of gain of the preamp section. **TIGHT KNOB:** Varies the low-end response from “smooth and thick” to “tight and aggressive”.
- **BASS & TREBLE KNOBS:** Tonestack of the amplifier. 2-band EQ.
- **PRESENCE KNOB:** Adjusts the amount of high frequencies in the poweramp section.
- **MASTER KNOB:** Controls the amount of gain of the poweramp section.
- **LEVEL KNOB:** Controls the overall volume of the amplifier. **POWER SWITCH:** This switch bypasses the amplifier section.



## LEAD AMPLIFIER

- **LOW BOOST SWITCH:** Increases the amount of low-end signal. Click to activate.
- **BRIGHT BOOST SWITCH:** Increases the amount of high-end signal. Click to activate.
- **GAIN KNOB:** Controls the amount of gain of the preamp section.
- **ATTACK SWITCH:** Saturates the high-end signal to get extra clarity and presence.
- **BASS, MID & TREBLE KNOBS:** Tonestack of the amplifier. 3-band EQ.
- **MASTER KNOB:** Controls the amount of gain of the poweramp section.
- **LEVEL KNOB:** Controls the overall volume of the amplifier. **POWER SWITCH:** This switch bypasses the amplifier section.

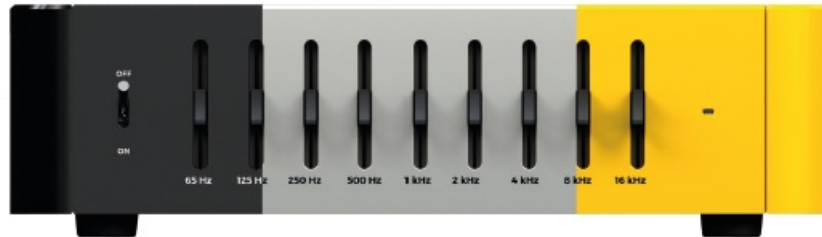
## AMP SELECTOR





The amplifiers can be switched by clicking the icons at the bottom of the plugin window.

## EQ SECTION



High-fidelity Graphic EQ that allows to control nine different frequency bands.

- **POWER SWITCH:** Click to activate/deactivate.
- **EQ BANDS:** Bank of nine control sliders used to boost or cut frequency bands.

## NEURAL DSP CABINET SIMULATION



We have designed a cabinet simulation section for this plugin that includes four microphones with a range of different positions.

- **PHASE INVERTER SWITCH:** Inverts the phase of the loaded impulse.
- **IMPULSE LOADER SELECTOR BOX:** Drop down menu for selecting factory Microphones or loading your own IR files. The folder path will be saved, therefore, navigating through them by clicking the navigation arrows is also possible.
- **DRAG TO POSITION:** You can also control the microphone position and distance by clicking the microphone and dragging it to the desired spot. The values will be reflected on the Position and Distance knobs and vice versa.

## TIME EFFECTS SECTION



## CHRONOS D – DELAY PEDAL

- **MIX KNOB:** Controls the amount of effect that is added to the original dry input signal.
- **FEEDBACK KNOB:** Sets the amount of delay returned to the input of the delay line. The higher the settings, the more repeats. **MOD KNOB:** Determines the amount of pitch modulation.
- **TEMPO KNOB:** Adjust the beats-per-minute value. Deactivated while SYNC switch is engaged.
- **TIME KNOB:** Sets the delay time in musical subdivisions ranging from 1/64T to 1/1D.
- **LOW CUT KNOB:** Controls the frequency range of the high-pass filter.
- **HIGH CUT KNOB:** Controls the frequency range of the low-pass filter.
- **MOD SWITCH:** Adds pitch modulation to the delay repeats. **PING PONG SWITCH:** Activates the “ping pong” delay effect. **SYNC SWITCH:** Determines whether the delay time is set according to plugin/DAW tempo or manually.
- **ENGAGE STOMP SWITCH:** Click to activate/deactivate.
- **TAP TEMPO STOMP SWITCH:** Controls the delay time by clicking. The delay time is set as the interval between the last two clicks on the stomp switch.

## CHRONOS R – REVERB PEDAL

- **DRY/WET KNOB:** Controls the amount of effect that is added to the original dry input signal.
- **PRE-DELAY KNOB:** Controls the amount of time between the input signal and the start of the early reflections.
- **DECAY KNOB:** Sets the duration of the reverb decay envelope. **LOW CUT KNOB:** Controls the frequency range of the high-pass filter.
- **HIGH CUT KNOB:** Controls the frequency range of the low-pass filter.
- **BYPASS STOMP SWITCH:** Click to activate/deactivate.

## PLUGIN FEATURES

### GLOBAL FEATURES



- **DEVELOPED BY NEURAL DSP:** Click to reveal additional info about this product.
- **INPUT AND OUTPUT GAIN KNOBS:** Input will affect how much signal the plugin will feed in. This will affect the amount of distortion range of the gain knobs in the head and booster gain knob. Adjust according to your needs and input signal levels. The output will affect how much signal the plugin will feed out to your DAW channel. The meters will show if input or output signals are clipping by holding a gray indicator for three seconds.
- **GATE KNOB:** Attenuates the input signal below the threshold.
- **INPUT MODE SWITCH:** Real-life hardware has the power to process only a mono input signal. With the Stereo switch, you are able to process a stereo input signal. Ideal for running stereo bass tracks or experimenting with any stereo sources.



- **COGWHEEL ICON (STANDALONE ONLY):** Audio settings menu. You can select the audio interface to use, set the input/output channels, modify sample rate, buffer size and MIDI devices.
- **MIDI PORT ICON:** Opens the MIDI Mappings window. To map any external device to control the plugin, please check the MIDI SETUP instructions (Pag. 17).
- **PITCHFORK ICON:** Click to activate the built-in tuner.
- **TAP ICON (STANDALONE ONLY):** Controls the delay time by clicking it. Delay time is set as the interval between the last two clicks.
- **TEMPO VALUE (STANDALONE ONLY):** Adjusts the tempo by clicking the arrows. Double-click on it to set it to the default value (240bpm). Double-click on it to enter numerical values.
- **RESIZE BUTTON:** Click to resize the plugin Window. You can select between the three possible sizes. Only two sizes are available when using a low-resolution screen.

## PRESETS



## PRESETS

This functionality allows the user to Save, Import and Export presets. The presets are saved as XML files.

- **SAVE BUTTON:** The Diskette Icon on the left allows the user to save the current configuration as a preset.
- **DELETE BUTTON:** The trash bin allows the user to delete the active preset. (This action cannot be undone). If you tweak an existing saved preset and you need to recall the saved version, just load another preset and load back the desired preset. Clicking on the name of the modified preset once its loaded will NOT recall its values.
- **LOAD PRESET:** You can load presets from other locations (XML files).
- **PRESETS FOLDER SHORTCUT:** Go to the Magnifying Glass icon on the Presets toolbar to redirect you to your Presets Folder.
- **DROPDOWN MENU:** The arrow on the right side of the list displays a list of presets included by factory, artists and the ones created by the user.

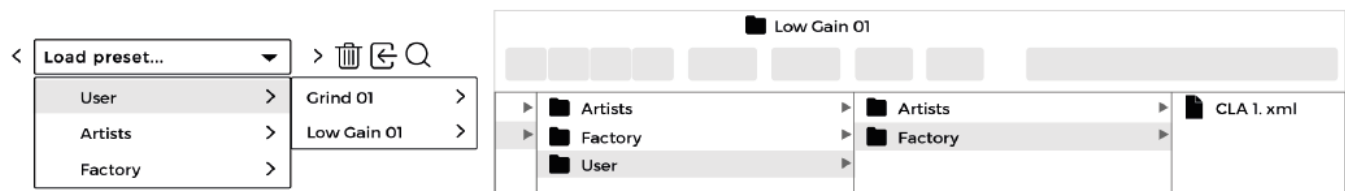
## WHERE ARE MY PRESETS LOCATED?

### Windows:

C:/ ProgramData / Neural DSP / Archetype Abasi

Mac OSX: HD / Library / Audio / Presets / Neural DSP / Archetype Abasi

### CUSTOM FOLDERS



You can create folders to organize your presets under the main directory. The dropdown menu will be updated the next time you open Archetype Abasi.

## MIDI

### MIDI SETUP

Archetype Abasi features MIDI support. Please, check the following steps to assign MIDI controls to plugin parameters/UI components.

#### Mapping MIDI note event to Buttons:

- Enable MIDI Learn from the right-click menu.
- Click on the component you want to control.
- Press down a MIDI note on the MIDI controller and release it.
- Disable MIDI Learn from the right-click menu.
- Now the mapped MIDI note will toggle the parameter value.

#### Mapping two MIDI notes to a Slider/Combobox:

- Enable MIDI Learn from the right-click menu.
- Click on the component you want to control.
- Press down the first MIDI note on the MIDI controller.
- Press down the second MIDI note on the MIDI controller.

- Release the first MIDI note.
- Release the second MIDI note.
- Disable MIDI Learn from the right-click menu.
- Now the two mapped MIDI notes can be used to increment/decrement the parameter value.

#### **Mapping MIDI CC event to Buttons:**

- Enable MIDI Learn from the right-click menu.
- Click on the component you want to control.
- Press down MIDI CC shortcut on the MIDI controller and release it.
- Disable MIDI Learn from the right-click menu.
- Now mapped MIDI CC events will toggle the parameter value.

#### **Mapping MIDI CC event to a Slider/Combobox:**

- Enable MIDI Learn from the right-click menu.
- Click on the component you want to control.
- Move a CC knob on the MIDI controller.
- Disable MIDI Learn from the right-click menu.
- Now the mapped MIDI CC event will control the parameter value.

#### **Mapping two MIDI CC events to a Slider/Combobox:**

- Enable MIDI Learn from the right-click menu.
- Click on the component you want to control.
- Press down the first MIDI CC button on the MIDI controller.
- Press down the second MIDI CC button on the MIDI controller.
- Release the first MIDI CC button.
- Release the second MIDI CC button.
- Disable MIDI Learn from the right-click menu.
- Now the two mapped MIDI CC events can be used to increment/decrease the parameter value.

#### **Mapping MIDI Program Change event to Buttons:**

- Enable MIDI Learn from the right-click menu.
- Click on the component you want to control.
- Press down the MIDI Program Change shortcut twice on the MIDI controller.
- Disable MIDI Learn from the right-click menu.
- Now the mapped MIDI Program Change event will toggle the parameter value.

#### **Mapping two MIDI Program Change events to a Slider/Combobox:**

- Enable MIDI Learn from the right-click menu.
- Click on the component you want to control.

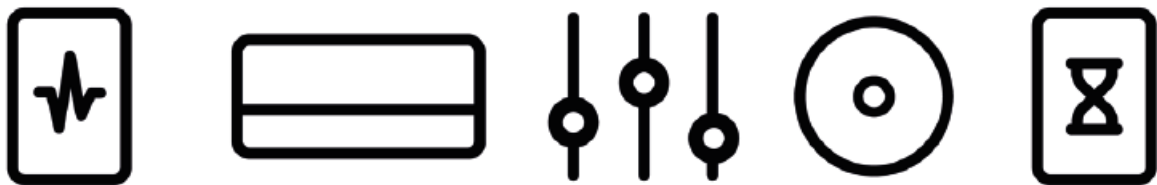
- Press down the first MIDI Program Change button on the MIDI controller.
- Press down the second MIDI Program Change button on the MIDI controller.
- Disable MIDI Learn from the right-click menu.
- Now the two mapped MIDI Program Change events can be used to increment/decrease the parameter value.

All mentioned MIDI Events will be registered on the MIDI Mapping window. You can open it and edit all the parameters by clicking on the MIDI port icon on the bottom left corner of the plugin. You can add new MIDI events manually by clicking on the “+” button.

## GUI BASICS

### GUI BASICS

Archetype Abasi features knobs and switches within the Graphic User Interface (also known as GUI). These resemble the ones in the physical analog hardware with added control.



To bypass a whole section, right-click or double-click on the upper icons.

### KNOBS

To control knobs and switches in Archetype Abasi, use the mouse. To turn a knob clockwise, click on the control with your mouse and slide the cursor up. To turn a knob anti-clockwise, click on the knob with the mouse and slide the cursor down.

### RETURNING A KNOB TO ITS DEFAULT VALUE

To return to the knob's default values, double-click on them.

### ADJUSTING A KNOB WITH FINE CONTROL

To fine-adjust the knob values, hold down the “command” key (macOS) or the “control” key (Windows) while dragging the mouse.

### SWITCHES

To interact with buttons or switches, just click on them. For stomps and certain switches, a LED indicator will light up to signalize whether the parameter is engaged or not.

## SUPPORT

### SUPPORT AND CONTACT INFORMATION

[NEURALDSP.COM/SUPPORT](https://neuraldsp.com/support)

For technical issues or any problems experienced with our software contact us on our website. Here you will find our FAQ (Frequently Asked Questions), our troubleshooting info (your question might have been asked before) and our contact email [support@neuraldsp.com](mailto:support@neuraldsp.com). Please be sure to contact this specific email for support purposes. If you contact any other Neural DSP email, your support may be delayed.

### SUPPORT INFORMATION

In order to help and assist you, please attach the following information to our support team:

- Product serial number and version (e.g. Archetype Abasi, Ver 2.0.0)
- Version number of your audio system (e.g. ProTools 2020.5, Cubase Pro 10, Ableton Live 10.0.1)
- Interface/hardware (e.g. Apollo Twin, Apogee Duet 2, etc.)



- Computer and operating system info (e.g. Macbook Pro OSX 11, Windows 10, etc.)
- A detailed description of the problem


## Neural DSP 2020

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## CORPORATE CONTACT

Neural DSP OY. Merimiehenkatu 36D, 00150, Helsinki, Finland.

## Documents / Resources

	<a href="#">NEURAL ABASI Archetype 2.0.0 for Windows and MacOS</a> [pdf] User Guide ABASI Archetype 2.0.0 for Windows and MacOS
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## References

-  [Neural DSP Technologies - Algorithmically Perfect](#)
-  [Downloads – Neural DSP](#)
-  [Neural DSP Support](#)
-  [ilok.com/#!license-manager](https://ilok.com/#!license-manager)
-  [ilok.com/#!registration](https://ilok.com/#!registration)