

**USER MANUAL**

**\_MINILAB MKII**

**ARTURIA**

**\_The sound explorers**

# Special Thanks

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**Product version: 1.1**

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# Thank you for purchasing the Arturia MiniLab MkII!

This manual covers the features and operation of Arturia's **MiniLab MkII**, a full-featured MIDI controller designed to work with any DAW software or plug-in you own.



**Note:** While MiniLab MkII is part of a package which includes our Analog Lab Lite software, this manual will focus only on the MiniLab MkII controller hardware. Please refer to the Analog Lab user manual in order to learn about the features of the software.

In this package you will find:

- One MiniLab MkII keyboard controller, with a serial number and unlock code on the bottom. You will need this information in order to register your MiniLab MkII.
- One USB cable
- The Quick Start Guide for the MiniLab MkII. The serial number for your unit has been placed on this sheet also.
- A card describing Analog Lab Lite and how to upgrade to the full version of Analog Lab 2. Also included on this card and with your purchase is a copy of Grand Piano Model D by UVI, a beautifully realistic sampled grand piano.
- A card describing how to register for and download your copy of Ableton Live Lite.

**Be sure to register your MiniLab MkII as soon as possible!** There is a sticker on the bottom panel that contains the serial number of your unit and an unlock code. These are required during the online registration process. This information is also included on the Quick Start Guide.

Registering your MiniLab MkII provides the following benefits:

- A product license key for your installation of Ableton Live Lite [see note below]
- The ability to download Analog Lab Lite and Grand Piano Model D by UVI
- Access to the MiniLab MkII user manual and the latest version of the MIDI Control Center software
- Special offers restricted to MiniLab MkII owners.
- The installation file for Ableton Live Lite is available here: [ableton.com/live-lite](https://ableton.com/live-lite).

# Special Message Section

## Specifications Subject to Change:

The information contained in this manual is believed to be correct at the time of release. However, Arturia reserves the right to change or modify any of the specifications without notice or obligation to update the hardware that has been purchased.

## IMPORTANT:

The product and its software, when used in combination with an amplifier, headphones or speakers, may be able to produce sound levels that could cause permanent hearing loss. DO NOT operate for long periods of time at a high level or at a level that is uncomfortable. If you encounter any hearing loss or ringing in the ears, you should consult an audiologist.

## NOTICE:

Service charges incurred due to a lack of knowledge relating to how a function or feature works (when the product is operating as designed) are not covered by the manufacturer's warranty, and are therefore the owner's responsibility. Please study this manual carefully and consult your dealer before requesting service.

## Precautions include, but are not limited to, the following:

1. Read and understand all the instructions.
2. Always follow the instructions on the instrument.
3. Before cleaning the instrument, always remove the USB cable. When cleaning, use a soft and dry cloth. Do not use gasoline, alcohol, acetone, turpentine or any other organic solutions; do not use a liquid cleaner, spray or cloth that's too wet.
4. Do not use the instrument near water or moisture, such as a bathtub, sink, swimming pool or similar place.
5. Do not place the instrument in an unstable position where it might accidentally fall over.
6. Do not place heavy objects on the instrument. Do not block openings or vents of the instrument; these locations are used for air circulation to prevent the instrument from overheating. Do not place the instrument near a heat vent at any location with poor air circulation.
7. Do not open or insert anything into the instrument that may cause a fire or electrical shock.
8. Do not spill any kind of liquid onto the instrument.
9. Always take the instrument to a qualified service center. You will invalidate your warranty if you open and remove the cover, and improper assembly may cause electrical shock or other malfunctions.
10. Do not use the instrument with thunder and lightning present; otherwise it may cause long distance electrical shock.
11. Do not expose the instrument to hot sunlight.
12. Do not use the instrument when there is a gas leak nearby.
13. Arturia is not responsible for any damage or data loss caused by improper operation of the instrument.

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# 1. INTRODUCTION

MiniLab MkII is Arturia's most compact and feature-filled USB MIDI keyboard controller yet. It has a 25-key, velocity-sensitive, slim-key keyboard along with a control surface designed for perfect integration with our software synthesizers. The attention to detail poured into MiniLab MkII also makes it perfect for working with any other software plug-in or DAW you have available.

Beyond being a great MIDI controller, MiniLab MkII comes with our Analog Lab Lite software that includes an impressive array of classic synth and keyboard sounds. The integration of these two products results in a powerful hybrid synthesizer with excellent functionality and great sound.

There's also an affordable and simple way to upgrade Analog Lab Lite to the full version of Analog Lab, which provides access to many more thousands of the sounds you will hear in Analog Lab Lite! To upgrade, go to [www.arturia.com/analoglab-update](http://www.arturia.com/analoglab-update).

MiniLab MkII also features our innovative pitch and modulation touch strips: low-profile controllers which offer a different take on the traditional wheels while maintaining their expressiveness. The pitch strip offers an additional choice of 'last position hold' or 'return to zero' modes of operation.

The 16 assignable encoders give you the control you need to exploit the full potential of any USB audio product you encounter. There's also an assignable pedal input jack for even greater flexibility.

Two banks of 8 backlit performance pads, for 16 total, can be assigned easily as pads, MIDI CC buttons or Program change switches. They can also be assigned different colors for visual feedback of their function, or just for fun! They're pressure-sensitive too, which makes them even more expressive.

On top of that, the included MIDI Control Center software lets you map parameters to the controllers and pads in a simple and easy way directly from your computer and store them into presets. Those presets are then stored in the MiniLab MkII hardware for instant recall.

Made for the musician on the go or the performer with limited space, the MiniLab MkII gives you a great depth of features in a portable package that is sturdy and looks great.

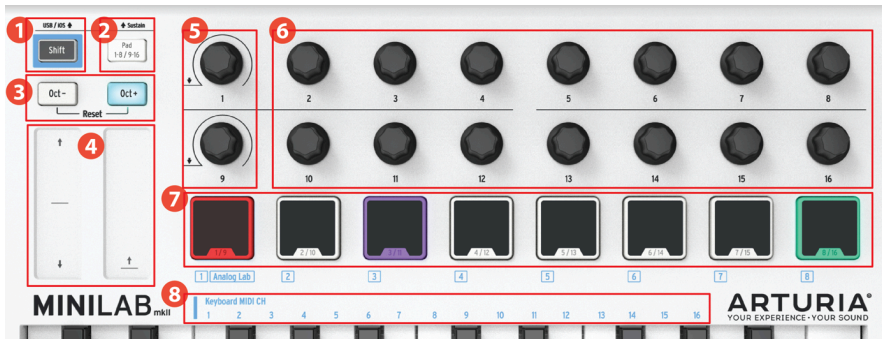
## 2. OVERVIEW

### 2.1. First step - Making the connections

Setting up the MiniLab MkII keyboard for use with Analog Lab Lite is fast and simple:

1. First install the Analog Lab Lite program on your computer and be sure to register and authorize it (see Chapters 2 and 3 of the Analog Lab user manual).
2. Connect the MiniLab MkII keyboard to the computer. MiniLab MKII is powered by its USB connection, so all you have to do is connect a USB cable from your computer to the MiniLab MkII keyboard.
3. MiniLab MkII is a class-compliant USB device, so its driver will be automatically installed when you connect MiniLab MkII to your computer.
4. Fire up the Analog Lab Lite software and read on!

#### 2.1.1. Front Panel



Front View

1. **Shift button:** Press Shift and one of the pads will light to show the current Memory selection.
  - Hold Shift and press a Pad to select a Memory.
  - Hold Shift, press a key to select the MIDI Channel.
  - Hold Shift, turn encoders 1 or 9 for alternate MIDI CC values.
  - Hold Shift, press Oct+ and Oct- at the same time to send “All Notes Off” and “Reset all controllers” commands over MIDI.
2. **Pad 1-8 / 9-16 buttons:** Use to access Pad banks 1-8 or 9-16
3. **Octave - / + buttons:** Shift the keyboard range +/- 4 octaves. Press both buttons at once to reset the range to center.
4. **Pitch / Mod Touch:** strips Pitch bend and modulation are activated by pressing the touch strips. “Return to Zero” or “Hold” settings can be selected for the Pitch strip using the MIDI Control Center software.
5. **Encoders 1 and 9:** Analog Lab Lite: turn/click Encoder 1 to browse/select preset; turn/click encoder 9 to browse/select filters.
6. **Encoders 2-8 and 10-16:** Analog Lab Lite: Memory #1 is pre-configured to control AL Lite parameters with these encoders.
7. **Pads 1-8 / 9-16 Analog Lab Lite:** Play notes from pads 1-8; control various features from pads 9-16.
8. **MIDI Channel selector keys:** Press the Shift button and then one of the keys to select the current MIDI channel for MiniLab MKII.





**NOTE:** For other software programs use the MIDI Control Center software to alter their assignments.

### 2.1.2. Keyboard

MiniLab MkII has a 25-key, velocity-sensitive, slim-key keyboard with a control surface designed for perfect integration with the Analog Lab Lite software interface.

### 2.1.3. Pitch + Modulation touch strips

If you touch the Pitch bend strip at its center and move your finger forward or backward it will alter the pitch of the played sound. The range of the pitch bend is determined by the preset that has been selected.

Similarly, moving your finger along the Modulation strip alters the modulation amount of the played sound. The level of modulation introduced by activating the modulation strip depends on which preset is selected.



**CAUTION:** The modulation strip may not be assigned to modulate a parameter in some Analog Lab Lite presets.



### 2.1.4. Shift + Pad Bank buttons

Let's start on the right: The Pad 1-8 / 9-16 button toggles the MiniLab MkII pads between two different sets of functions: playing notes or controlling Analog Lab Lite.

The Shift button serves several purposes: recalling a preset from memory (Shift + pad), selecting the master MIDI channel (Shift + keyboard), and enabling encoders 1 and 9 to send the alternate MIDI CC numbers or NRPN/RPN commands that were defined using the MIDI Control Center.



### 2.1.5. Octave buttons

Pushing one of the Oct - / + buttons will transpose the keyboard by as much as four octaves up or down. The farther from center the keyboard has been transposed, the faster the buttons will flash.

To reset the keyboard octave range back to center, press both buttons at the same time.

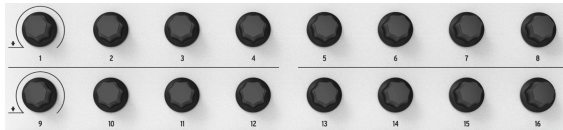
**i** The button flashing can be deactivated by disabling the "Octave Button Blink" in the "Device settings" using the Midi Control Center. See [chapter 4.7. Working with Device Settings \[p.29\]](#)



### 2.1.6. Encoders

The sixteen encoders can be assigned to control any editable parameter on the selected device. Encoders 1 and 9 are clickable, and can serve several functions within each preset memory.

The assignments within each Analog Lab Lite preset and within each synthesizer type may vary according to the parameters that are available.



## 2.1.7. Pads

The eight pressure-sensitive pads on the front of the MiniLab MkII serve a dual purpose. Their function depends on whether you're using the Shift button or the Pad 1-8 / 9-16 button.

For example: The pads can be assigned to trigger up to sixteen particular MIDI notes (drums, stabs, bass notes, whatever). When the Pad 1-8 / 9-16 button is not lit, the first bank of pads are active (1-8). When the Pad 1-8 / 9-16 button is lit, the second bank of pads are active (9-16).

There are two backlight modes for the pads:

- Pad off Backlight 'Off': The color of the pad is applied when the pad is activated. So the pads are unlit since it has been activated
- Pad off Backlight 'On': The pads are always lit with the preset defined color. Once activated, it's then lit in white. Note that, in this mode, if the pad color is configured as white, you will not be able to see if the pad is activated or not.

When using MiniLab MkII with Analog Lab Lite, pads 1-8 play MIDI notes and pads 9-16 control various features: clear search filters, select next / previous preset, and switch the encoders between Multi parts, for example.

However, when you hold the Shift button and press one of the pads, this will recall one of eight presets from the internal memory.



## 2.2. Rear panel



*Rear View*

The rear panel of the MiniLab MkII contains several important connectors: the footswitch jack, a USB Type B jack, and a Kensington lock port.

### 2.2.1. Footswitch jack

The footswitch jack accepts a momentary footswitch (optional) and allows it to function as either a momentary switch (such as sustain pedal) or a latching switch (first press/release sends one event, second press/release sends the next event).

It is best to connect the pedal before supplying power to the MiniLab MkII so it can sense the pedal's polarity. Be sure to keep your foot off the pedal when first making the connection or it could work backward. If this happens, disconnect MiniLab MkII from the power source and start over.



**Note** : Please use a pedal cable with ferrite beads.

### 2.2.2. USB jack

The USB jack allows you to connect your MiniLab MkII to your computer for use with your favorite DAWs and plug-in instruments.

### 2.2.3. Kensington lock port

We've added a Kensington security lock port to the left side of the rear panel as well. This will help keep your MiniLab MkII right where you want it.

## 2.3. Factory Reset



This procedure will erase all presets and device settings and restore them to their defaults. Use the MIDI Control Center software to back up your changes first.

To reset the MiniLab MkII to its original factory settings:

- Unplug the USB cable from the back of the keyboard
- Hold down the Oct - and Oct + buttons
- Plug the USB cable back in, and continue to hold the buttons until the pads turn white.

The pads will stay white for 2 seconds so you will know the reset process is underway. After this the MiniLab MkII will go through its normal power-up lighting sequence.

## 3. MINILAB MKII AND ANALOG LAB LITE

This chapter will focus mostly on the MiniLab MkII keyboard and how it interacts with the Analog Lab Lite software. So you will find only basic coverage of the various Analog Lab Lite parameters that MiniLab MkII controls. For more details about Analog Lab Lite, please refer to the Analog Lab user manual.

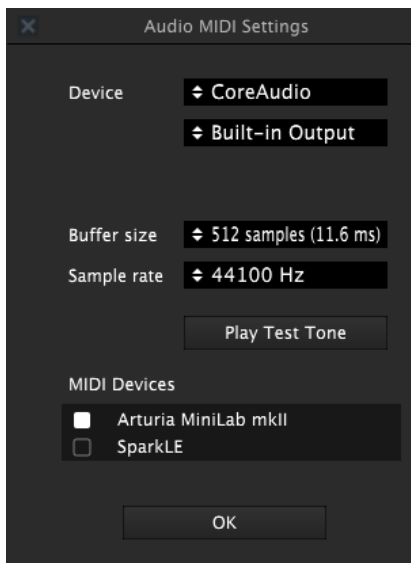
### 3.1. Audio and MIDI Setup

The first thing to do after launching Analog Lab Lite is to make sure the software is set to output audio correctly and that it will receive MIDI from the MiniLab MkII keyboard.

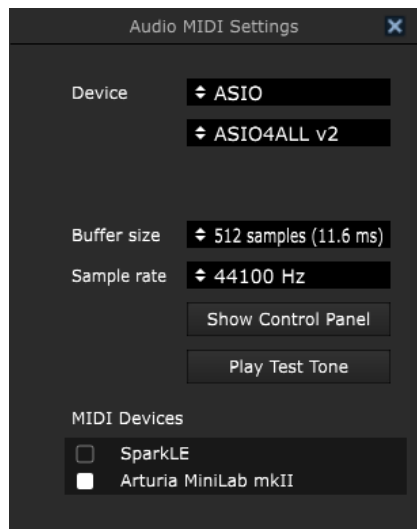
#### 3.1.1. Audio setup

In order to check the audio driver settings for Analog Lab Lite, open the Preferences window by pressing [Command] + [,] or by selecting it from the Analog Lab Lite drop-down menu.

This will open the Audio & MIDI Settings window, which is where the preferred audio output device will be selected. Now click the Test button: If you hear a short sine wave, then your audio is set up correctly. If not, make sure the correct audio driver is selected and that your headphones or speakers are properly connected and turned on.



Mac OS X



Windows

### 3.1.2. MIDI setup

Connecting a USB MIDI keyboard controller to Analog Lab Lite is very simple. As shown above, navigate to the Audio MIDI Settings window by pressing [Command] + [,] or by selecting it from the Analog Lab Lite drop-down menu as shown in the [Audio Setup section \[p.10\]](#).

The Audio MIDI Settings window has a section labeled "MIDI Devices". Click the box labeled "Arturia MiniLab MkII" to select it as a controller for Analog Lab Lite.

## 3.2. Preset Selection

### 3.2.1. Preset #1 + Analog Lab Lite

When MiniLab MkII is first powered up it loads preset #1 from the internal memory. This preset has been specifically configured to work with Analog Lab Lite.

The control assignments in preset #1 correspond to the parameters within Arturia's soft-synths, so with this combination there will be very little setup for you to do. It's a very quick way to get the exact sound you want and start making music with it.

**Each time you select a new Analog Lab Lite preset it is possible the control assignments will change. This is because there may be different parameters available for the synthesizer on which that preset is based.**

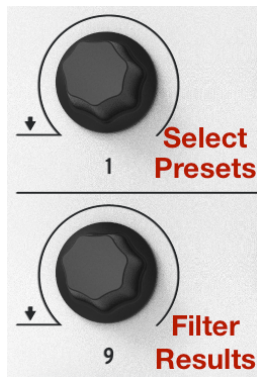
### 3.2.2. Analog Lab Lite preset selection

There are two ways to select Analog Lab Lite presets with MiniLab MkII:

#### 3.2.2.1. Encoders 1 and 9

For rapid scrolling through the Analog Lab Lite Preset list, simply turn encoder 1. When you see the preset you want, click the encoder to select it.

To narrow down the list of presets, use encoder 9 to scroll to one of the preset filter characteristics and click the encoder. You can enable as many filters as you like. The remaining choices will be displayed in the Results list in the middle of the Editor window.



*Encoders 1 + 9 in Analog Lab Lite*

Tap pad 14 to clear the preset filter selections.



### 3.2.2.2. Pads 9-16

- The pads 9 10 11 are respectively used for: part 1, Part 2 and Live
- The pads 12 13 have no effects
- The pads 14 15 16 do the following: clear filter, Previous preset and Next preset



### 3.2.3. Presets 2-8

The remaining seven MiniLab MkII presets can be configured to work with other software applications such as a DAW or a plug-in. To select one of those preset locations, hold the Shift button and press the appropriate pad.



Preset 8 is used for the Ableton Live integration

### 3.3. Using the Encoders

Once you have started Analog Lab Lite and configured the Audio and MIDI settings correctly, all you need to do is select a Sound or Multi from the preset list and start playing. Each of the encoders on the MiniLab MkII will assume their assigned parameters immediately and you can begin experimenting by making your first edits inside that preset.

You'll notice that the virtual MiniLab MkII has only 14 encoders (two rows of 7) instead of 16 like the physical keyboard. This is because encoders 1 and 9 are reserved for other functions within Analog Lab Lite:

- Encoder 1: Filter Results list by selecting characteristics (scroll and click to select)
- Shift + encoder 1: Master Volume parameter
- Encoder 9: preset selection within the Results list (scroll and click to select).



*Shift + Encoder 1 controls master volume in Analog Lab Lite.*

The functions of encoders 1 and 9 are fixed when using Analog Lab Lite. But it is possible to change the parameter assignments for every other encoder using the menu that appears when you click the parameter name under the virtual encoder.



*Assigning a parameter to a virtual encoder*



**NOTE:** In the image above the fourth virtual encoder has been selected for re-assignment. This encoder actually corresponds to encoder #5 on the physical controller, since encoder #1 is reserved for other functions.

Each time you select a new Analog Lab Lite preset it is possible the control assignments will change. This is because there may be different parameters available for the synthesizer on which that preset is based.

For more details on editing a preset, see the Analog Lab user manual.

## 3.4. Using the Pads

With Analog Lab Lite active and a preset selected, play one of the pads on the MiniLab MkII. What you hear next will depend on the status of the Pad 1-8 / 9-16 button.

### 3.4.1. Play a Note (Pads 1-8)

If the Pad 1-8 / 9-16 button on the MiniLab MkII is not lit then pads 1-8 are active. If you play a pad you will hear a note played on the selected synthesizer. The range is from MIDI note #36 (pad 1) to note #43 (pad 8).

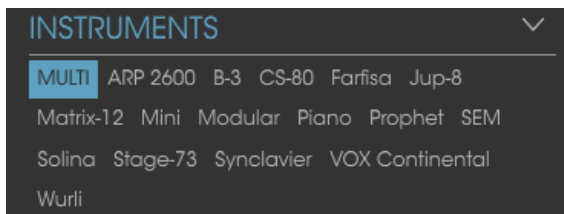
The MIDI note numbers for these pads are not assignable in Memory #1, since the Analog Lab Lite preset cannot be altered. But they can be edited within presets 2-8.

### 3.4.2. Control Analog Lab Lite (Pads 9-16)

When pads 9-16 are selected, most of the pads have a dedicated function to help you get the most out of Analog Lab Lite. Let's go through them.

#### 3.4.2.1. Pads 9-11: For Multis only

To appreciate what pads 9-11 can do you first need to select a Multi in Analog Lab Lite. A Multi is a combination of two presets, either layered or split. The fastest way to select one is to enable the MULTI filter inside the Instruments window. Use encoder 9 to scroll to the word MULTI and click it:



Then select a Multi from the Results window using encoder 1.

After this you can use pads 9-11 to select different tabs that appear above the virtual keyboard:



- Use pad 9 to select the Part 1 tab
- Use pad 10 to select the Part 2 tab
- Use pad 11 to select the Live tab

When you select a tab you will see the assignment labels under each encoder change. The Part 1 and Part 2 encoders will control the parameters for their respective Parts. The Live encoders will control Macros, which can contain parameters that are common to both Parts.

We'll discuss each of those tabs briefly in the next two paragraphs. See the Analog Lab Lite manual for a full description.

## Part 1 / Part 2 tabs

These tabs are basically identical, even though the encoders may have different labels. So we'll only use one screen shot to represent them both:



*A Multi with the Part 2 tab selected*

The Part 1 and Part 2 tabs are different from the Live tab in one major way: they control one parameter per encoder. The Live tab can do that and more.

## Live tab

At first glance the Live tab looks the same as the other two, with a label under each encoder:



Encoders 6-8 and 14-16 work the same as they do for Parts 1 and 2: one parameter per encoder. So click on their labels and select the parameter you want to control.

But encoders 2-5 and 10-13 are different. Click one of those encoder labels as if you were going to select another parameter.



*A Macro can control up to four parameters at once.*

Instead of seeing a menu, another window pops up to show you that the encoder is actually controlling as many as four parameters from either of the two Parts.

Let's take a quick look at the process of editing a Macro. See the Analog Lab Lite manual for a full description.

## Select the Macro

Click on the label under the Macro you want to edit. It will open to reveal four encoders which may or may not already have parameters assigned:



From here you can name the Macro, select parameters to control, and set the amount of control (positive or negative). To enable or disable the individual parameter, click Assign. To clear the parameter selection, click the X.

### Select a parameter

Click on the second field from the top and a sub-window will open. It allows you to specify whether you want to control a parameter for Part 1, Part 2, or the Live tab.



Within each of those selections is a menu from which you can select the parameter you want to control.

### Name the Macro

Click the large green field to give the Macro a suitable name. Hit Enter and the name will appear under the Macro encoder.



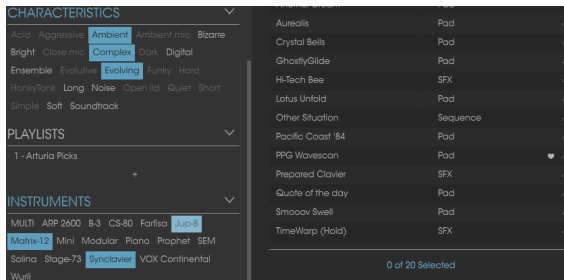
Remember to click ASSIGN to activate control of that parameter. Click the X to reset the parameter selection and start over.

### 3.4.2.2. Pads 12-13: unassigned

We've left these pads unassigned for the time being.

### 3.4.2.3. Pad 14: Clear all filters

It's possible to specify several characteristics with encoder 9 when you're looking for a particular type of sound. In the example below, we are looking for an ambient, complex, evolving sound from three different Arturia instruments:



If you see the preset you're looking for in the Results window, select it with encoder #1 and click on it.

To clear the filters and start over, tap pad 14.

### 3.4.2.4. Pads 15-16: Next/Previous Preset

Whenever Analog Lab Lite is active you can use pads 15 and 16 to select presets quickly. They are hardwired to the left/right arrows at the top of the window.

This is easier to understand when you can see the Results window, so hide the Studio view for now.

Tap pad 15 to select the previous preset in the Results list. Tap pad 16 to select the next preset in the Results list.

## 4. MIDI CONTROL CENTER

### 4.1. The Basics

The MIDI Control Center is an application that allows you to configure the MIDI settings of your MiniLab MkII. It works with most of Arturia's devices, so if you have an earlier version of the software you'll want to download the MiniLab MkII version. It will work with the other Arturia products as well.

#### 4.1.1. System requirements

PC: 2 GB RAM; CPU 2 GHz (Windows 7 or higher)

Mac: 2 GB RAM; CPU 2 GHz (OS X 10.7 or higher)

#### 4.1.2. Installation and location

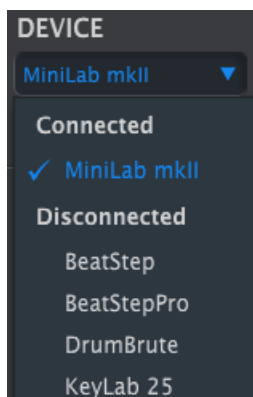
After downloading the appropriate MIDI Control Center installer for your computer from the Arturia website, double-click on the file. Then all you have to do is start the installer and follow the instructions. The process should be trouble-free.

The installer puts MIDI Control Center with the other Arturia applications you have. In Windows, check the Start menu. On an OS X Macintosh computer you'll find it inside the Applications/Arturia folder.

#### 4.1.3. Connection

Connect MiniLab MkII to your computer using the included USB cable. It'll be ready to go almost instantly.

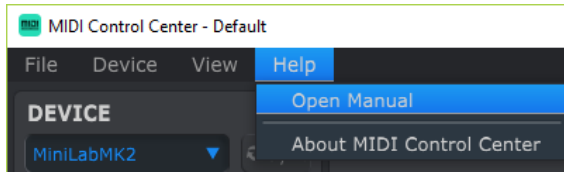
Now launch the MIDI Control Center. MiniLab MkII will be in the list of connected devices:





#### 4.1.4. Where to find the manual

There is a built-in help file for the MIDI Control Center in its Help menu, as shown below:



It's a good introduction to the MIDI Control Center, describing each section of the software window and defining important terms you will need to know while using the MIDI Control Center, such as 'Working Project' and 'Template'.

The next chapter explains how to use the MIDI Control Center software to configure the MiniLab MkII settings so they match your system and enhance your workflow.

#### 4.1.5. Using MIDI Control Center

Before launching the MIDI Control Center (hereafter the MCC), make sure your Arturia MiniLab MkII keyboard is connected to your computer.

The built-in MCC manual has general descriptions of the features that are common to all Arturia products. To learn how to access the manual, see [Where to find the Manual section \[p.21\]](#).

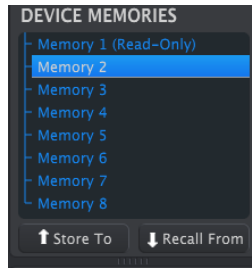
This chapter will cover only the MCC features that are unique to MiniLab MkII.

#### 4.1.6. MIDI Control Center features

When the MCC and MiniLab MkII are connected you are able to:

- Drag and drop one of the Templates in the Template Browser to one of the internal Memory locations
- Use the Store To and Recall From buttons to transfer a Template to / from the MiniLab MkII
- Edit the Device Settings (i.e., the Global parameters)
- Perform other MCC functions such as file management and Template creation, among other things.

## 4.2. Device Memories



*The Device Memories window*

There are eight memory locations in the Device Memories window, which corresponds to the number of preset memories inside the MiniLab mk II.

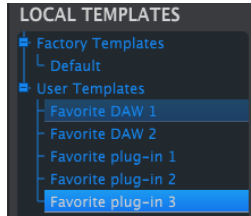


Memory #1 is reserved for working with Analog Lab Lite and cannot be modified. The other seven memories can be configured any way you like.


## 4.3. Template Browser

The Template Browser shows a list of all the Templates available to you inside the MCC. These are divided into two main groups of Templates: Factory and User.

The User Templates are the ones you have recalled from your MiniLab MkII with the MCC. See [Store to/Recall From section \[p.24\]](#) to learn how to do this.



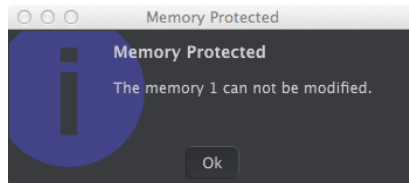
A Template contains the all of the settings for the controllers and pads. You can build a limitless library of setups in the User Templates area.

 A Template does not contain the Device Settings. We'll show you how to save those separately in [Import/Export Device Settings section \[p.26\]](#).

### 4.3.1. Drag and drop


It's possible to drag a single Template from the Browser onto a Memory location. When you do, that Template will be sent to the MiniLab MkII internal memory and overwrite that location.

However, if you try to drag a Template onto Memory #1 you will receive an error message. This preset is reserved for use with Analog Lab Lite and cannot be overwritten.



### 4.3.2. Revise a Template

The contents of an archived Template can be edited whether the MiniLab MkII and the MCC are connected or not. Simply select the Template in the Template Browser and its data will appear in the MCC Editor window, ready for editing.

 **Note:** When an edit is made an asterisk will appear next to the name of the source Template. This means you need to use the Save or Save As... buttons to preserve your new data.

## 4.4. Store To/Recall From

### 4.4.1. The 'Store To' button

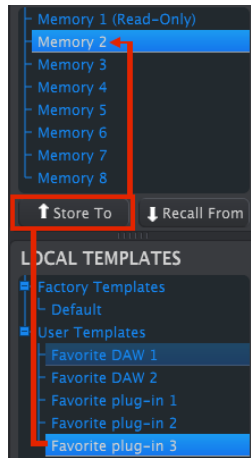
The left-hand section of the MIDI Control Center has a button called "Store To". It is used to transmit a Template from the Template Browser window to the MiniLab MkII.

If there is a particular Template you would like to transmit to your MiniLab MkII, select it in the Template Browser window.

 The following process will overwrite the internal memory of the MiniLab MkII. If you are not sure those settings have been backed up, be sure to archive them to your computer using the Recall From button.

The process is simple:

- Select the desired Template in the Local Templates window
- Select the destination Memory in the Device Memories window
- Click the Store To button.

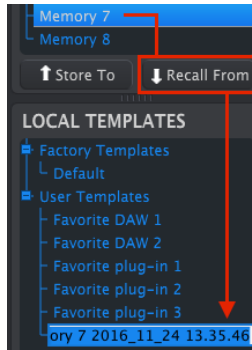


In the example above, Clicking Store To will store the Template into the MiniLab MkII as preset memory 2.

### 4.4.2. Recall a preset from MiniLab MkII

If you changed any settings inside the MiniLab MkII using a different computer you should pull that data into the MIDI Control Center to back it up. To do that:

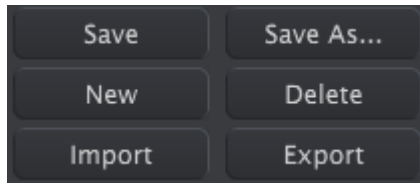
- Select the desired Memory in the Device Memories window
- Click the Recall From button.



*Recalling Memory #7 into the MCC*

A new file containing the settings from the selected Memory location will appear in the Template Browser with the current time/date stamp for a name. You can rename it if you like.

### 4.4.3. Save, Delete, Import/Export, etc.



*The device settings menu*

These important features have been documented in the MIDI Control Center manual, which you will find in the software Help menu. Look in the section 7.1 of the Help file for information about Save, Save As..., New, Delete, Import and Export.

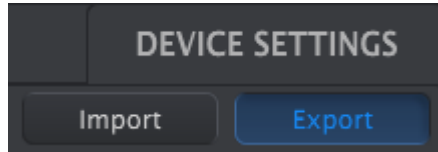
**Note:** The Import / Export buttons pictured above perform a different function than those at the top of the [Device Settings](#) section [p.26]. These files have the extension .minilab\_mk2. They contain only the parameters for a single MiniLab MkII Memory (the one currently highlighted in blue). Use these files to share your original presets with other users.

## 4.5. Import/Export Device Settings

When the Device Settings tab is selected in the MCC window you will see two buttons on the upper right labeled Import and Export. The function of these buttons is to manage files containing only the Device Settings. They are different from the buttons described in [Save, Delete, Import/Export section \[p.25\]](#), which are used to generate a file containing both the Device Settings and the controller settings.

The Device Settings files carry the extension `.minilabmk2_ds`. You can swap these files with other users or build a library of configurations for the different systems you encounter in different locations.

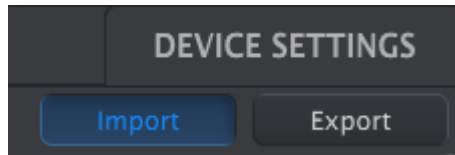
### 4.5.1. Export Device Settings



*The device settings menu*

To export the Device Settings, click the Export button. Then navigate to the appropriate location in your computer and follow the screen prompts to save the `.minilabmk2_ds` file.

### 4.5.2. Import Device Settings



*The device settings menu*

To import the Device Settings, click the Import button. Then navigate to the appropriate location in your computer and follow the screen prompts to load in the `.minilabmk2_ds` file.

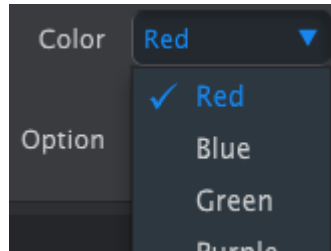
## 4.6. Editing basics

### 4.6.1. Data entry

There are two main ways to enter new parameter values in the MIDI Control Center: click something and move it, or type a number into a field.



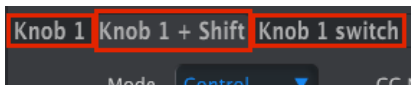
To edit a controller range value, for example, click and drag the knob graphic or double-click in the value field and enter a new value



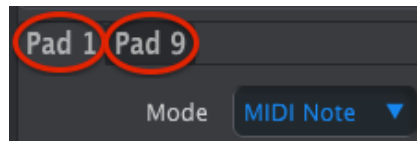
To edit a parameter such as a pad color, click its pull-down menu and make a selection

### 4.6.2. Selecting the tabs

Some of the knobs and all of the pads have two or more sets of parameters which you can select and operate independently.



Knobs 1 and 9 have three tabs each.

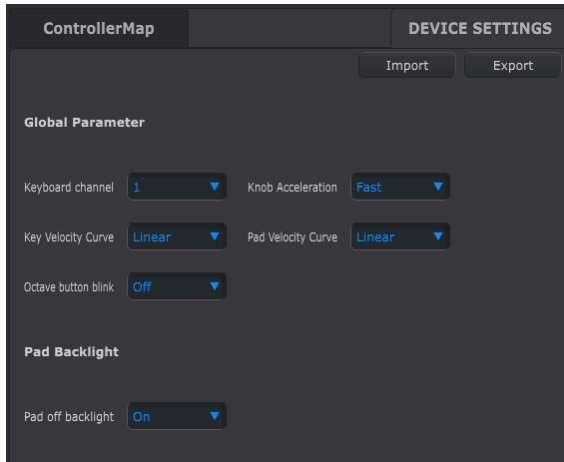


All pads have two tabs for access to all 16 pads.

Simply click on a tab to select its window and the parameters it contains.

### 4.6.3. Device Settings tab

All of the Global parameters are found on the Device Settings tab. To view them, click the tab in the upper right corner of the window.



*The device settings menu*

To resume editing the controller settings, click the Controller Map tab.



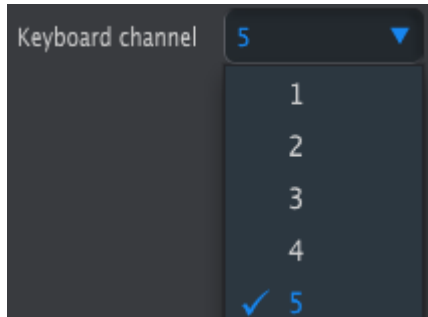
## 4.7. Working with Device Settings

All of the Global parameters have pull-down menus with additional options. To select a new value, click the arrow next to the parameter you would like to change.

The options of each field are different for each parameter, so we'll cover each one separately. You may want to try each setting to see which one fits your needs the best.

### 4.7.1. Keyboard Channel

This is where the master MIDI channel for the MiniLab MkII is chosen in the MCC. Available values are 1-16. The one with the blue check mark is the current value.



*The Keyboard MIDI channel menu*

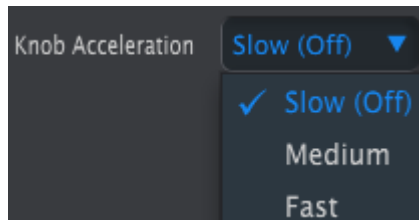
This parameter will affect any control that has its MIDI channel value set to Keyboard. We will discuss this in [MIDI Channel settings section \[p.31\]](#).



**Note:** You can also select the Keyboard MIDI Channel from the front panel of the MiniLab MkII. Simply press the Shift button and press one of the numbered keys.

### 4.7.2. Knob acceleration

It is possible to specify how many turns of a knob it will takes to change a parameter value from its minimum value to its maximum. Three settings are available:

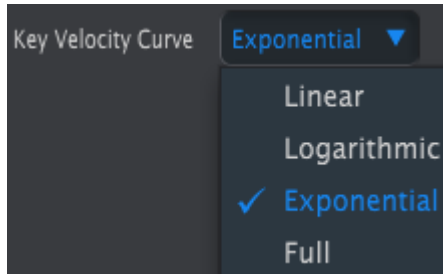


*The Knob Acceleration menu*

The one with the blue check mark is the current value.

### 4.7.3. Key Velocity Curve

To personalize the responsiveness of the keyboard, choose one of these four settings.

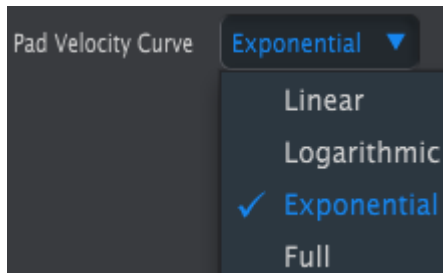


*The Keyboard Velocity Curve menu*

The one with the blue check mark is the current value. The "Full" setting causes every key you press to play at maximum MIDI velocity (127).

### 4.7.4. Pad Velocity Curve

To personalize the responsiveness of the pads, choose one of these four settings.



*The pads Velocity Curve menu*

The "Full" setting causes every pad you tap to play at maximum MIDI velocity (127).

To resume editing the controller settings of the Templates, click the Controller Map tab.

### 4.7.5. Octave Button Blink


Allow the user to deactivate the blinking of the octave buttons.



When the octave button blink is off, the user is not able to see the amount of octave shift.

### 4.7.6. Pad off Backlight

- OFF: the pad is unlit until it has been activated. Then it will lit in the color defined in the Controller map.
- ON: When not activated, the pad is lit with the color defined in the user preset. When activated it is lit in white.

 When this mode is ON, when the color defined for a pad is white, activating a pads will lead to no difference on the pad color.

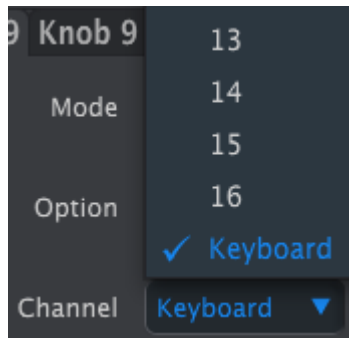
## 4.8. Editing Templates: Unique features

The majority of the controller and pad parameters are described in detail in the MIDI Control Center User manual. In this section we will only cover those that are unique to the MiniLab MkII.

For instructions on how to locate the MCC User manual, see [Where to find the Manual section \[p.21\]](#).

### 4.8.1. MIDI Channel settings

There is a MIDI Channel parameter for every control and pad. But you will find 17 possible values there: Channels 1-16 and Keyboard.



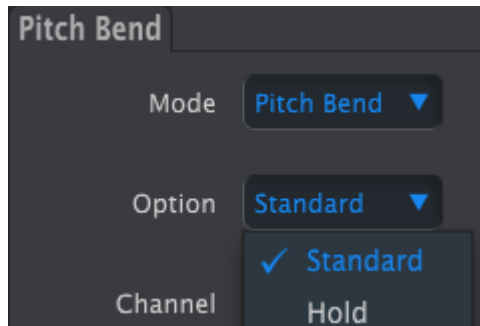
*The midi channel selection menu*

The “Keyboard” option allows you to change the MIDI channel of this control when you change the MIDI channel setting of the keyboard.

So for each control or pad you can choose whether they will be locked to a particular MIDI channel or will ‘float’ with the keyboard MIDI channel.

#### 4.8.2. Control strips: Pitch Bend Hold

A physical pitch bend wheel is normally spring-loaded so it will always snap back to center. But the left-most control strip can be configured either way using this parameter:



*The pitch bend configuration menu*

This setting is saved with each preset, so you can have some presets configured one way and other presets configured the other way if you like.

### 4.8.3. Assignable pedal

The MiniLab pedal input is designed for a switch-type pedal, either latching or momentary, and can be configured a number of ways using the MCC.

To edit its settings, click on the graphic of the Sustain pedal connector at the top of the Editor window:



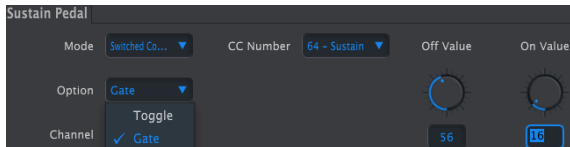
*The assignable pedal input*

A window containing four pull-down menus and two knobs will appear when the controller input has been selected. Click on the arrows to open the menus and see the various options they offer:

- **Mode** Switched Control or MIDI Note
- **Option** Toggle (latching) or Gate (momentary)
- **Channel** 1-16 or Keyboard
- **CC Number** Any MIDI CC# between 0-127 may be used.

The Off Value and On Value knobs allow you to set the minimum and maximum range for the pedal. So if you are using the pedal to transmit a modulation message, for example, you can have a non-zero value as the Off value and a moderate value for the On value.

You can even use these fields to reverse the operation of the pedal if you like, by entering a higher value for the Off Value and a lower value for the On Value.




*An example of the Sustain Pedal Options and Off/On Value fields*

## 4.8.4. Mode Encoders

### 4.8.4.1. Mode Control

- **Absolute:** The default setting for Analog Lab: the knob will send absolute values from 0-127.
- **Relative 1:** The knob will send values 61-63 when turned in a negative direction and values 65-67 when turned in a positive direction. The turn speed determines the parameter response.
- **Relative 2:** The knob will send values 125-127 when turned in a negative direction and values 1-3 when turned in a positive direction. The turn speed determines the parameter response.
- **Relative 3:** The knob will send values 13-15 when turned in a negative direction and values 17-19 when turned in a positive direction. The turn speed determines the parameter response.

 The relative mode settings 2-3 are not used in Analog Lab. They are provided for the sake of full compatibility with other MIDI devices or software. Please refer to the documentation for the target device or software to determine which of these settings should be used. In relative mode, between each value a "neutral position" message is sent (00).

### 4.8.4.2. Mode NRPN/RPN


- **NRPN:** Non-Registered Parameter Numbers are used to access many more parameters than the unassigned MIDI CC numbers could represent. Use the LSB / MSB fields to specify the controller number. Min/Max are ignored in this case.

*Please refer to the documentation of the receiving device for specific settings.*

- **RPN:** Registered Parameter Numbers control specific parameters such as Pitch Bend range and Tuning. Use the LSB / MSB fields to specify the parameter number. Min/Max are ignored in this case.

When in RPN/RPN mode the "data entry" parameter set the "steps" of the encoder as described below

- 1:128 Each encoder step will generate a 128 jump (Coarse)
- 1:64 Each encoder step will generate a 64 jump
- 1:32 Each encoder step will generate a 32 jump
- 1:16 Each encoder step will generate a 16 jump
- 1:8 Each encoder step will generate a 8 jump
- 1:4 Each encoder step will generate a 4 jump
- 1:2 Each encoder step will generate a 2 jump
- 1:1 Each encoder step will generate a 1 jump (fine)

 **Note:** If you set the data entry at 1:1 (fine), it will take a huge number of turns before reaching the maximum

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*IMPORTANT:* When connecting this product to accessories and/or another product, use only high quality shielded cables. Cable (s) supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

*NOTE:* This product has been tested and found to comply with the limit for a Class B Digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide a reasonable protection against harmful interference in a residential environment. This equipment generate, use and radiate radio frequency energy and, if not installed and used according to the instructions found in the users manual, may cause interferences harmful to the operation to other electronic devices. Compliance with FCC regulations does not guarantee that interferences will not occur in all the installations. If this product is found to be the source of interferences, witch can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

- Relocate either this product or the device that is affected by the interference.
- Use power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter(s).
- In the case of radio or TV interferences, relocate/ reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial cable.
- If these corrective measures do not bring any satisfied results, please the local retailer authorized to distribute this type of product. If you cannot locate the appropriate retailer, please contact Arturia.

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*AVIS:* Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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This product may not work correctly by the influence of electro-static discharge; if it happens, simply restart the product.