Using MiniLab with Propellerheads Reason

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Controlling Reason with your MiniLab keyboard.

Reason allows you vast control over the software using their REASON REMOTE protocol. To access these features you will need to configure your MiniLab (one time) and install the Reason codecs (one time). Once you have loaded the correct preset into your MiniLab, and installed the Reason codecs, you will have access to transports, loop, metronome on/off, count in on/off, track and preset selection and some level of control for most devices within Reason.

Setting up your MiniLab

Update your firmware

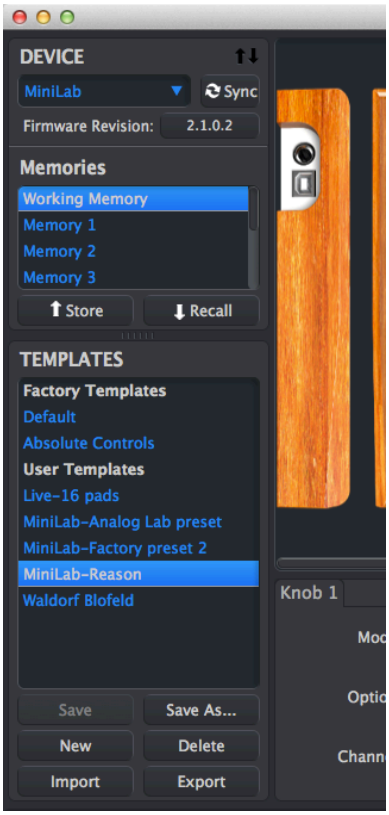
The first step in making your MiniLab work with Reason is to make sure you have the latest firmware in your MiniLab controller.

You can see your firmware version when you power up the MiniLab.
Visit the 'resources' page of your particular keyboard model at: http://www.arturia.com to get the latest firmware version.
2.1 and above for MiniLab
Make sure to read the directions and follow the steps **EXACTLY** to update your firmware.

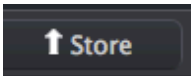
Installing the Reason preset into your MiniLab

You will need to load a REASON controller map to have all the parameters work correctly. Reason and your MiniLab will work using the default settings but you will not have proper access to the assigned switches.

To do this you will need to get the latest MIDI CONTROL CENTER UNIVERSAL software. It is a free download from the www.arturia.com web pages. Look under the **RESOURCES** pages for your MiniLab keyboard.



1. Connect MINILAB to your computer
2. Boot up your MIDI CONTROL CENTER SOFTWARE
3. Click on the IMPORT button in the MCC software.
4. Find the file **MiniLab-Reason map.MiniLab** that should be in the folder of files you downloaded.
5. Once you have loaded the preset it will show up in the TEMPLATES section of the screen.
6. Choose the MEMORY location that you want the REASON map to reside.
7. Now click on the STORE button.



Your MiniLab now has a MIDI map configured for use with Reason. You can now shut down the MIDI Control Center software. Just load it up when you want to use Reason with your MiniLab.

Load the preset by pressing EDIT then Switch #2 (RECALL) Use the VALUE dial to choose the preset number and then click the dial to load it.

Installing the REASON REMOTE codecs

Mac Installation

Make sure that you are installing these files at the main Mac Harddrive Library folder on your MAC and not in the USER LIBRARY

1. Place the listed files in the following location.

MINILAB.lua
MINILAB.luacodec
MINILAB.png

Macintosh Hard drive/Library/Application Support/Propellerhead Software/Remote/Codecs/Lua Codecs/Arturia

If the Arturia folder is not there, make a new folder named Arturia at this directory level and place the above 3 files in this new folder.

2. Place the listed file in the following location.

MINILAB.remotemap

Macintosh Hard drive/Library/Application Support/Propellerhead Software/Remote/Maps/Arturia

If the Arturia folder is not there, make a new folder named Arturia at this directory level and place the appropriate xxx.remotemap file in this folder

PC Installation

1. Place the listed files in the following location.

C:\Users\All Users\Propellerhead Software\Remote\Codecs\Lua Codecs\Arturia

If the Arturia folder is not there, make a new folder named Arturia at this directory level and place the above 3 files in this new folder.

2. Place the listed files in the following location.

MINILAB.remotemap

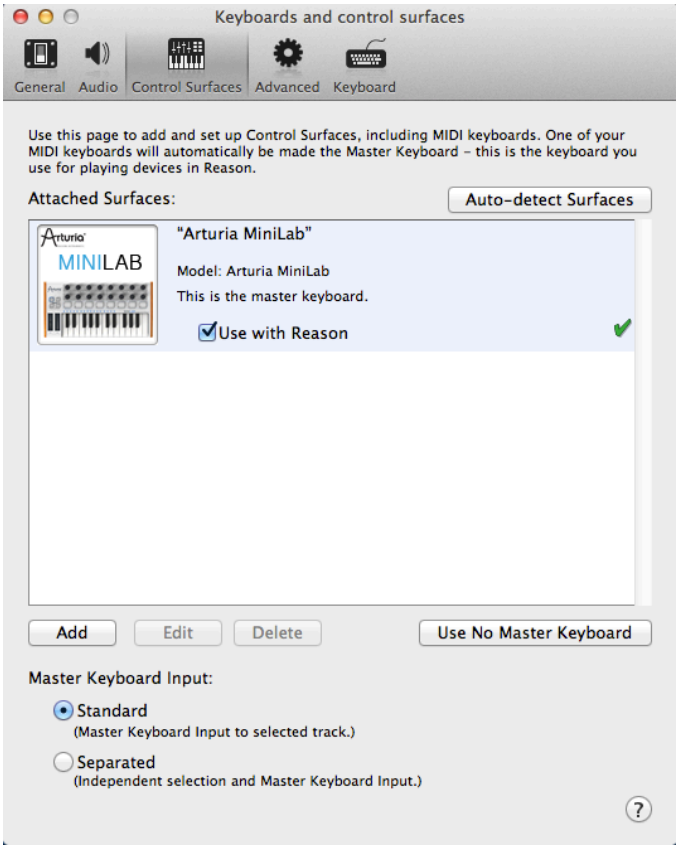
C:\Users\All Users\Propellerhead Software\Remote\Maps\Arturia

If the Arturia folder is not there, make a new folder named Arturia at this directory level and place the appropriate xxx.remotemap file in this folder

One last Step and you are ready to go.

Now that you have the Reason codecs loaded and your MiniLab updated and the Reason map loaded you have one last step. Tell Reason to use your MiniLab as a master controller.

1. Boot up Reason
2. Open the **PREFERENCES** window.
3. Click on **Control Surfaces,** you should see your MINILAB controller in the list of controllers.
4. If you do not see the MINILAB icon with a green check mark:
    a. Click on the **Auto-detect Surfaces** button. Reason should now scan all your MIDI ports looking for any attached gear.
    b. If after the scan it still does not detect your controller, you will have to manually ADD it by clicking on the **ADD** button.
        1. Choose Arturia and MINILAB as the manufacturer and device.
        2. Then choose the In port and Out port and select the MiniLab.



NOW YOU ARE READY TO USE REASON AND YOUR MINILAB.

You should not have to do any of these setups in the future. You will just need to recall which ever preset number you stored the Reason map into on your MiniLab (EDIT, RECALL then choose the memory number and press the Value dial to load). Reason will look for your MiniLab each time on boot up and will show you the green check if it is there and a red check mark if it is not there.

Arturia MiniLab Controller Mappings per device.

We have set up two different types of controls for the MiniLabs:

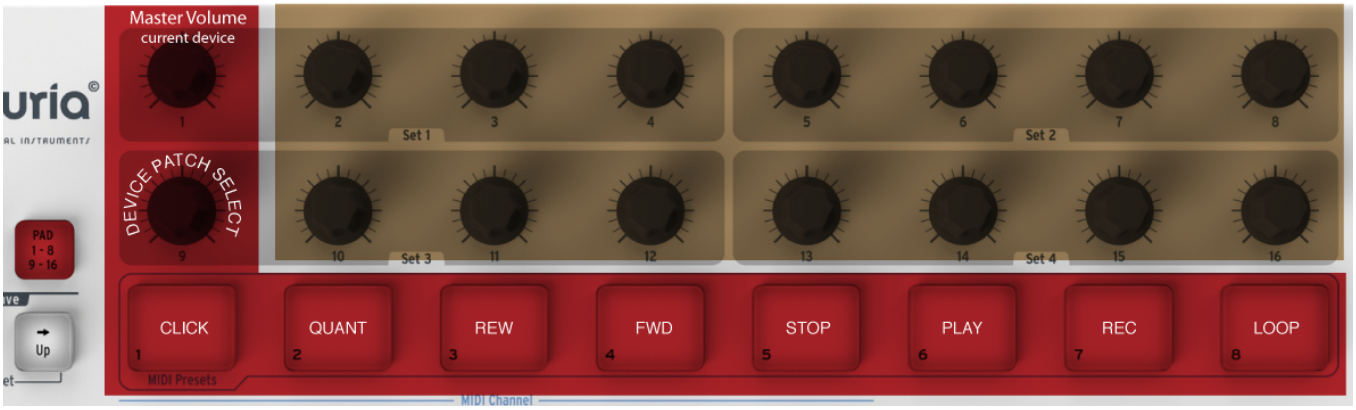
1. Master Controls - transports, device program change and Device master volume.
2. Device Controls – knobs

Master controls are knobs 1 and 9 and the PADS 9-16, will always remain the same no matter which device you have selected. These buttons/encoders are functions like your transports, metronome on/off, loop, quantize on/off, volume, etc.

Device controls are the knobs that control your currently select device like a synth or effect.

Below is a map showing all the controls. You may also refer to the image on the next page.
Learn the Master Controls, these will be the controls you use the most.

Reason Master Controls



The Device Controls vary between each module. We have Kept the Volume knob on the MiniLab assigned to either the Level control of the chosen module or to a WET/DRY mix control if the module does not have a level control.

The CUTOFF and RESONANCE knobs are assigned to the same knobs that Analog Lab controls are assigned in many cases.
Due to the fact that some modules have multiple filters or different layouts with envelopes, etc. The mappings cannot all be the same but we tried to keep them logically laid out as best as possible.

Reason Master Controls

MiniLab Control	Device Control
Pad 11	Rewind
Pad 12	Fast Forward
Pad 13	Stop
Pad 14	Play
Pad 15	Record
Pad 16	Loop On/Off
Encoder 1	Select Patch for Target Device
Pad 9	Click On/Off
Pad 10	Auto-quantize

Combinator

MiniLab Control	Device Control
Encoder 2	Rotary 1
Encoder 3	Rotary 2
Encoder 4	Rotary 3
Encoder 5	Rotary 4

Mixer 14:2

MiniLab Control	Device Control
Encoder 1	Master Level
Encoder 10	Channel 1 Level
Encoder 11	Channel 2 Level
Encoder 12	Channel 3 Level
Encoder 13	Channel 4 Level
Encoder 14	Channel 5 Level
Encoder 15	Channel 6 Level
Encoder 16	Channel 7 Level
Encoder 2	Channel 1 Pan
Encoder 3	Channel 2 Pan
Encoder 4	Channel 3 Pan
Encoder 5	Channel 4 Pan
Encoder 6	Channel 5 Pan
Encoder 7	Channel 6 Pan
Encoder 8	Channel 7 Pan

Line Mixer 6:2

MiniLab Control	Device Control
Encoder 8	Aux Return Level
Encoder 16	Master Level
Encoder 10	Channel 1 Level
Encoder 11	Channel 2 Level
Encoder 12	Channel 3 Level
Encoder 13	Channel 4 Level
Encoder 14	Channel 5 Level
Encoder 15	Channel 6 Level
Encoder 2	Channel 1 Pan
Encoder 3	Channel 2 Pan
Encoder 4	Channel 3 Pan
Encoder 5	Channel 4 Pan
Encoder 6	Channel 5 Pan
Encoder 7	Channel 6 Pan

ID8 Instrument Device

MiniLab Control	Device Control
Encoder 1	Volume
Encoder 14	Parameter 1
Encoder 6	Parameter 2

SubTractor Analog Synthesizer

MiniLab Control	Device Control
Encoder 1	Master Level
Encoder 7	Filter Env Attack
Encoder 8	Filter Env Decay
Encoder 15	Filter Env Sustain
Encoder 16	Filter Env Release
Encoder 2	Filter Freq
Encoder 3	Filter Res
Encoder 10	Filter Env Amount
Encoder 11	Filter Type
Encoder 12	Osc1 Wave
Encoder 13	Osc2 Wave
Encoder 4	LFO1 Rate

Encoder 5	LFO1 Amount
Encoder 6	Osc1 Phase Diff
Encoder 14	Osc2 Phase Diff

Thor Polysonic Synthesizer

MiniLab Control	Device Control
Encoder 1	Master Level
Encoder 2	Filter 1 Freq
Encoder 3	Filter 1 Res
Encoder 10	Filter 2 Freq
Encoder 11	Filter 2 Res
Encoder 12	Filter 3 Freq
Encoder 13	Filter 3 Res
Encoder 7	Filter Env Attack
Encoder 8	Filter Env Decay
Encoder 15	Filter Env Sustain
Encoder 16	Filter Env Release
Encoder 4	LFO 1 Rate
Encoder 5	LFO 2 Rate
Encoder 6	Chorus Dry Wet
Encoder 14	Encoder 14 dry wet

Malstrom Graintable Synthesizer

MiniLab Control	Device Control
Encoder 2	Filter A Freq
Encoder 3	Filter A Resonance
Encoder 10	Filter B Freq
Encoder 11	Filter B Resonance
Encoder 7	Filter Env Attack
Encoder 8	Filter Env Decay
Encoder 15	Filter Env Sustain
Encoder 16	Filter Env Release
Encoder 12	Filter Env Amount
Encoder 13	Shaper Amount

Encoder 1	Master Level
Encoder 6	Oscillator A Shift
Encoder 14	Oscillator B Shift
Encoder 4	Modulator A Rate
Encoder 5	Modulator A To Pitch

NN19 Digital Sampler

MiniLab Control	Device Control
Encoder 1	Master Level
Encoder 2	Filter Freq
Encoder 3	Filter Res
Encoder 4	LFO Rate
Encoder 5	LFO Amount
Encoder 10	Filter Env Amount
Encoder 11	Filter Mode
Encoder 12	LFO Wave
Encoder 13	LFO Dest
Encoder 7	Filter Env Attack
Encoder 8	Filter Env Decay
Encoder 15	Filter Env Sustain
Encoder 16	Filter Env Release
Encoder 6	Stereo Spread
Encoder 14	Portamento

NN-XT Advanced Sampler

MiniLab Control	Device Control
Encoder 1	Master Volume
Encoder 2	Filter Freq
Encoder 3	Filter Res
Encoder 7	Amp Env Attack
Encoder 8	Amp Env Decay
Encoder 16	Amp Env Release
Encoder 15	Mod env Decay

Dr.REX Loop Player

MiniLab Control	Device Control
Encoder 1	Master Level
Encoder 2	Filter Freq
Encoder 3	Filter Res
Encoder 4	LFO1 Rate
Encoder 5	LFO1 Amount
Encoder 10	Filter Env Amount
Encoder 11	Filter Mode
Encoder 12	LFO1 Wave
Encoder 13	LFO1 Dest
Encoder 7	Filter Env Attack
Encoder 8	Filter Env Decay
Encoder 15	Filter Env Sustain
Encoder 16	Filter Env Release

Redrum Drum Computer

MiniLab Control	Device Control
Encoder 1	Master Level
Encoder 10	Drum 1 Level
Encoder 11	Drum 2 Level
Encoder 12	Drum 3 Level
Encoder 13	Drum 4 Level
Encoder 14	Drum 5 Level
Encoder 15	Drum 6 Level
Encoder 16	Drum 7 Level
Encoder 2	Drum 1 Pan
Encoder 3	Drum 2 Pan
Encoder 4	Drum 3 Pan
Encoder 5	Drum 4 Pan
Encoder 6	Drum 5 Pan
Encoder 7	Drum 6 Pan
Encoder 8	Drum 7 Pan

Kong Drum Designer

MiniLab Control	Device Control
Encoder 1	Master Level

Encoder 10	Drum 1 Level
Encoder 11	Drum 2 Level
Encoder 12	Drum 3 Level
Encoder 13	Drum 4 Level
Encoder 14	Drum 5 Level
Encoder 15	Drum 6 Level
Encoder 16	Drum 7 Level
Encoder 2	Drum 1 Pan
Encoder 3	Drum 2 Pan
Encoder 4	Drum 3 Pan
Encoder 5	Drum 4 Pan
Encoder 6	Drum 5 Pan
Encoder 7	Drum 6 Pan
Encoder 8	Drum 7 Pan

RV7000 Advanced Reverb

MiniLab Control	Device Control
Encoder 1	Dry/Wet
Encoder 2	Decay
Encoder 3	HF Damp
Encoder 4	Hi EQ
Encoder 5	Soft Knob 1
Encoder 6	Soft Knob 2
Encoder 7	Soft Knob 3
Encoder 8	Soft Knob 4
Encoder 13	Soft Knob 5
Encoder 14	Soft Knob 6
Encoder 15	Soft Knob 7
Encoder 16	Soft Knob 8

Scream 4 Distortion

MiniLab Control	Device Control
Encoder 1	Master Level
Encoder 2	Damage Control
Encoder 3	Damage Type
Encoder 4	Parameter 1
Encoder 5	Parameter 2
Encoder 10	Body Resonance
Encoder 11	Body Scale
Encoder 12	Body Auto

Encoder 13	Body Type
Encoder 6	Encoder 2 Lo
Encoder 7	Cut Mid
Encoder 8	Cut Hi
Encoder 14	Damage On/Off
Encoder 15	Cut On/Off
Encoder 16	Body On/Off

BV512 Digital Vocoder

MiniLab Control	Device Control
Encoder 1	Dry/Wet
Encoder 7	Attack
Encoder 8	Decay
Encoder 15	Shift
Encoder 16	HF Emphasis
Encoder 10	Band Level 1
Encoder 11	Band Level 2
Encoder 12	Band Level 3
Encoder 13	Band Level 4
Encoder 14	Band Level 5
Encoder 2	Band Level 6
Encoder 3	Band Level 7
Encoder 4	Band Level 8
Encoder 5	Band Level 9
Encoder 6	Band Level 10

MClass Equalizer

MiniLab Control	Device Control
Encoder 2	Low Shelf Frequency
Encoder 7	Low Shelf Gain
Encoder 10	Low Shelf Q
Encoder 3	Parametric 1 Frequency
Encoder 8	Parametric 1 Gain
Encoder 11	Parametric 1 Q
Encoder 4	Parametric 2 Frequency
Encoder 15	Parametric 2 Gain
Encoder 12	Parametric 2 Q
Encoder 5	Hi Shelf Frequency
Encoder 16	Hi Shelf Gain
Encoder 13	Hi Shelf Q

MClass Stereo Imager

MiniLab Control	Device Control
Encoder 2	Low Width
Encoder 3	X-Over Frequency
Encoder 4	High Width
Encoder 5	Solo Mode

MClass Compressor

MiniLab Control	Device Control
Encoder 2	Input Gain
Encoder 3	Threshold
Encoder 4	Ratio
Encoder 5	Attack
Encoder 6	Release
Encoder 1	Output Gain

MClass Maximizer

MiniLab Control	Device Control
Encoder 2	Input Gain
Encoder 3	Attack Speed
Encoder 4	Release Speed
Encoder 5	Output Gain
Encoder 6	Soft Clip Amount

RV-7 Digital Reverb

MiniLab Control	Device Control
Encoder 2	Algorithm
Encoder 3	Size
Encoder 4	Decay
Encoder 5	Damping
Encoder 1	Dry/Wet

DDL-1 Digital Delay Line

MiniLab Control	Device Control
Encoder 2	DelayTime (steps)
Encoder 3	DelayTime (ms)
Encoder 4	Feedback
Encoder 5	Pan
Encoder 1	Dry/Wet Balance

D-11 Foldback Distortion

MiniLab Control	Device Control
Encoder 2	Amount
Encoder 3	Foldback

ECF-42 Envelope Controlled Filter

MiniLab Control	Device Control
Encoder 2	Frequency
Encoder 3	Resonance
Encoder 4	Env Amount
Encoder 5	Velocity
Encoder 6	Mode
Encoder 7	Attack
Encoder 8	Decay
Encoder 15	Sustain
Encoder 16	Release

CF-101 Chorus/Flanger

MiniLab Control	Device Control
Encoder 2	Delay
Encoder 3	Feedback
Encoder 4	Rate
Encoder 5	Modulation Amount

PH-90 Phaser

MiniLab Control	Device Control
Encoder 2	Frequency
Encoder 3	Split
Encoder 4	Width
Encoder 5	Rate
Encoder 6	Frequency Modulation
Encoder 10	Feedback

UN-16 Unison

MiniLab Control	Device Control
Encoder 2	Voice Count
Encoder 3	Detune
Encoder 1	Dry/Wet

COMP-01 Compressor/Limiter

MiniLab Control	Device Control
Encoder 2	Ratio
Encoder 3	Threshold
Encoder 4	Attack
Encoder 5	Release
Encoder 1	Gain

PEQ-2 Two Band Parametric EQ

MiniLab Control	Device Control

Encoder 2	Filter A Freq
Encoder 3	Filter A Q
Encoder 4	Filter A Gain
Encoder 10	Filter B Freq
Encoder 11	Filter B Q
Encoder 12	Filter B Gain

RPG-8 Monophonic Arpeggiator

MiniLab Control	Device Control
Encoder 2	Mode
Encoder 3	Octave
Encoder 4	Rate
Encoder 5	Gate Length
Encoder 6	Pattern Enable

Line 6 Bass Amp

MiniLab Control	Device Control
Encoder 10	Comp Threshold
Encoder 2	Drive
Encoder 3	Bass
Encoder 4	Lo Mid
Encoder 5	Hi Mid
Encoder 6	Treble
Encoder 1	Volume

Line 6 Guitar Amp

MiniLab Control	Device Control
Encoder 2	Drive
Encoder 3	Bass
Encoder 4	Middle
Encoder 5	Treble
Encoder 6	Presence
Encoder 1	Volume

Alligator

MiniLab Control	Device Control
Encoder 1	Master Volume
Encoder 10	Low Pass LFO Amount
Encoder 2	Low Pass Frequency
Encoder 3	Low Pass Resonance
Encoder 11	Low Pass Env Amount
Encoder 12	Band Pass LFO Amount
Encoder 4	Band Pass Frequency

Encoder 5	Band Pass Resonance
Encoder 13	Band Pass Env Amount
Encoder 14	High Pass LFO Amount
Encoder 6	High Pass Frequency
Encoder 7	High Pass Resonance
Encoder 15	High Pass Env Amount

The Echo

MiniLab Control	Device Control
Encoder 1	Dry/Wet Balance
Encoder 2	Delay Time
Encoder 3	Right Ch Time Offset
Encoder 4	Feedback
Encoder 5	Right Ch Feedback Offset
Encoder 6	Drive Amount
Encoder 7	Envelope
Encoder 8	Wobble
Encoder 10	Ping-Pong Pan
Encoder 11	Diffuse Spread
Encoder 12	Diffuse Amount
Encoder 13	Filter Frequency
Encoder 14	Filter Resonance
Encoder 15	LFO Rate
Encoder 16	LFO Amount

Pulveriser

MiniLab Control	Device Control
Encoder 1	Volume
Encoder 10	Squash
Encoder 11	Dirt
Encoder 2	Filter Frequency
Encoder 3	Peak
Encoder 14	Blend
Encoder 5	Tremor to Frequency
Encoder 4	Tremor Rate
Encoder 8	Follower Threshold
Encoder 7	Follower Attack
Encoder 16	Follower Release
Encoder 15	Follower to Frequency

Neptune Pitch Adjuster

MiniLab Control	Device Control
Encoder 2	Correction Speed
Encoder 3	Preserve Expression
Encoder 5	Formant Shift
Encoder 7	Pitched Signal Level
Encoder 8	Voice Synth Level
Encoder 4	Vibrato rate
Mod Wheel	Mod wheel
pitch bend	pitch bend