

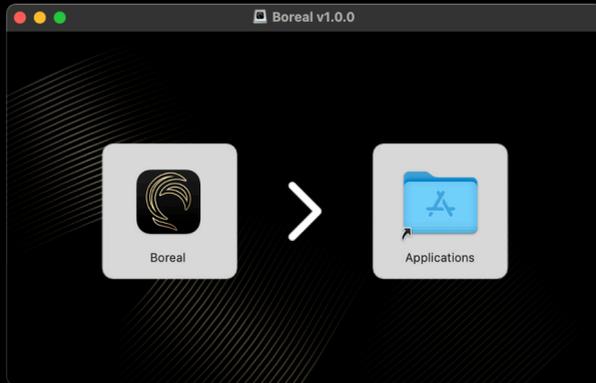
# BOREAL

*User Manual - v1.0.0*

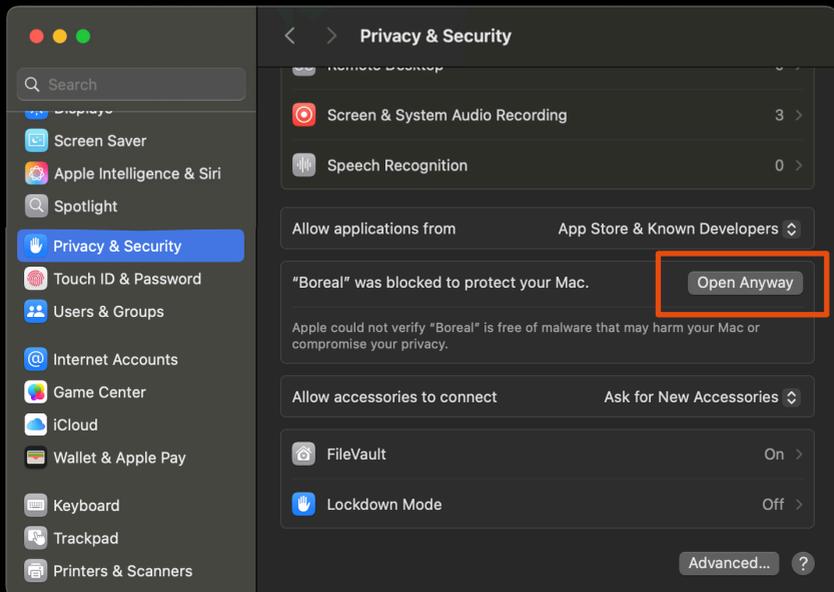


# 1- INSTALL BOREAL

Download the .dmg file, open it, and drag the BOREAL icon to the Applications folder.



Your Mac might not allow you to open BOREAL at first, you will have to specifically allow it in *Settings - Security & Privacy*



## 2- OPEN IT

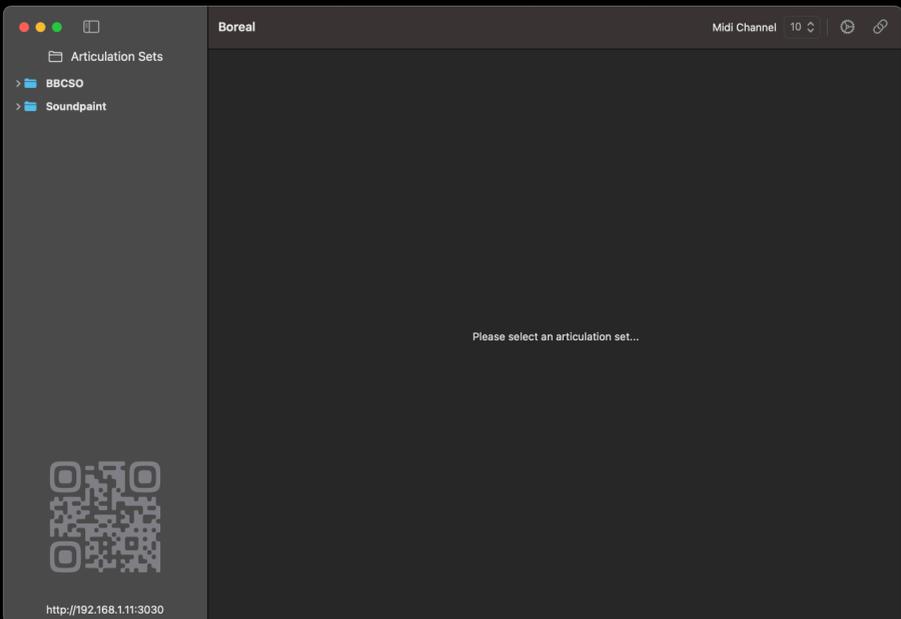
When you open Boreal for the first (and all the others) time, it looks like this.

**Please note that you have to be connected to a wifi network in order to have it work properly (no tethering).**

On the left tab, you can see all the Articulation Set you have saved on your Mac.

The *Midi Channel* menu allows you to choose on which channel will Switches be sent (see last page for more)

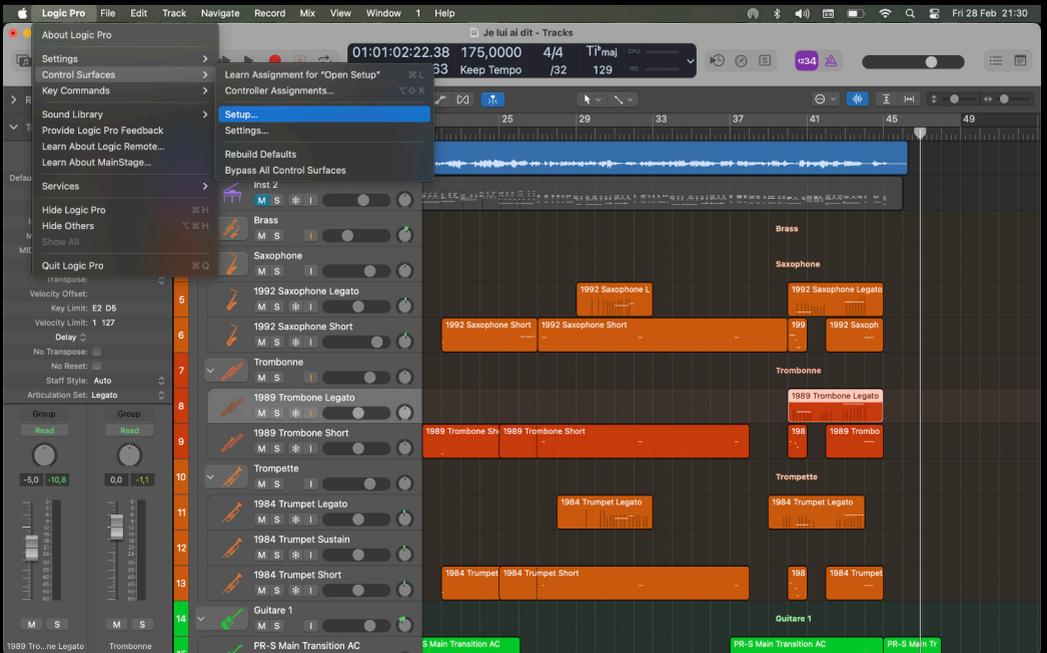
The  icon opens the settings (where you can manage your colour theme for the web controller, the  icon is the DAW link (more on this later on)



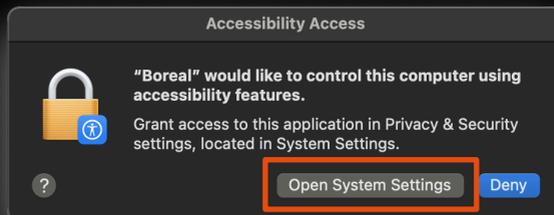
In the bottom left corner is the address of the web controller. You can scan the QR code to access it from any device connected to the same wifi network as your Mac.

# 3- OPEN LOGIC PRO

Open the *Logic Pro - Control Surfaces - Setup...* menu. It will allow us to create a Mackie Control surface, which will be the bridge between Logic and BOREAL.

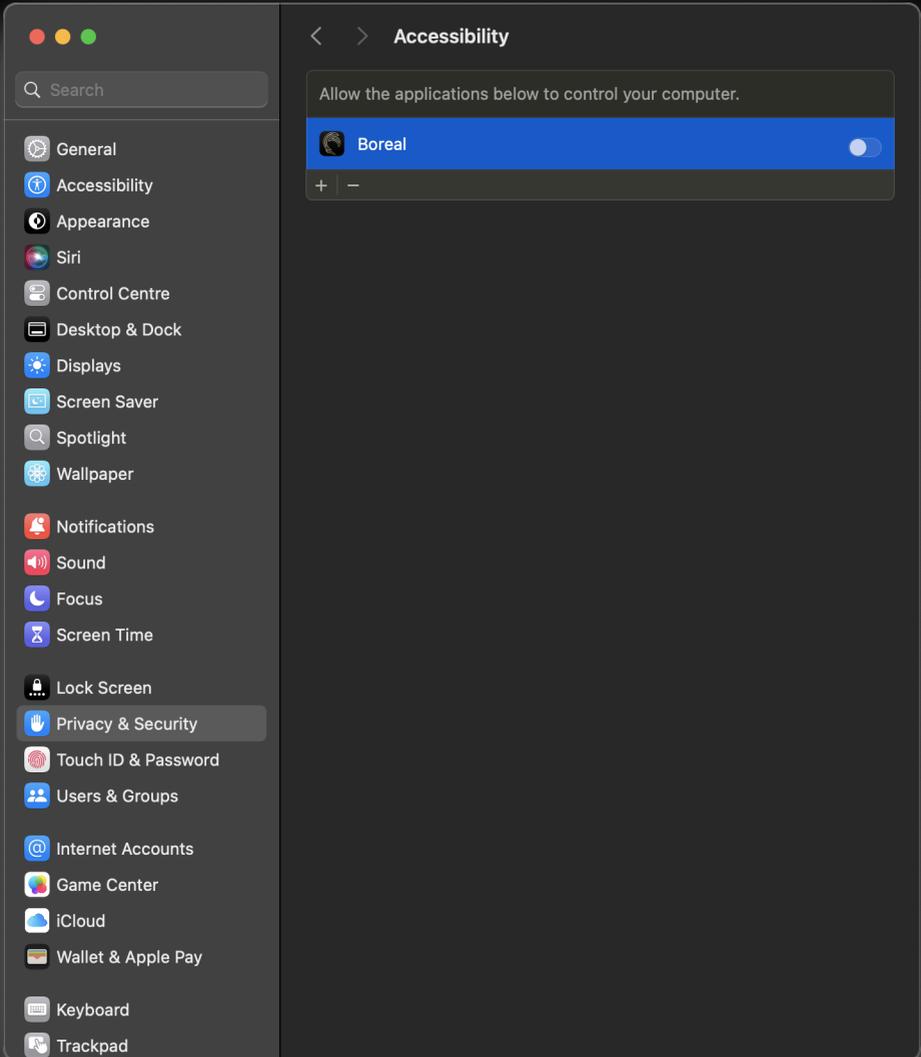


As soon as Logic is open, BOREAL should reach you to ask for Accessibility features. It is needed in order to retrieve the name of the current articulation.



Click *Open System Settings* to allow it, and toggle the button next to Boreal.

If it does not happen right now, don't worry, it will come later !

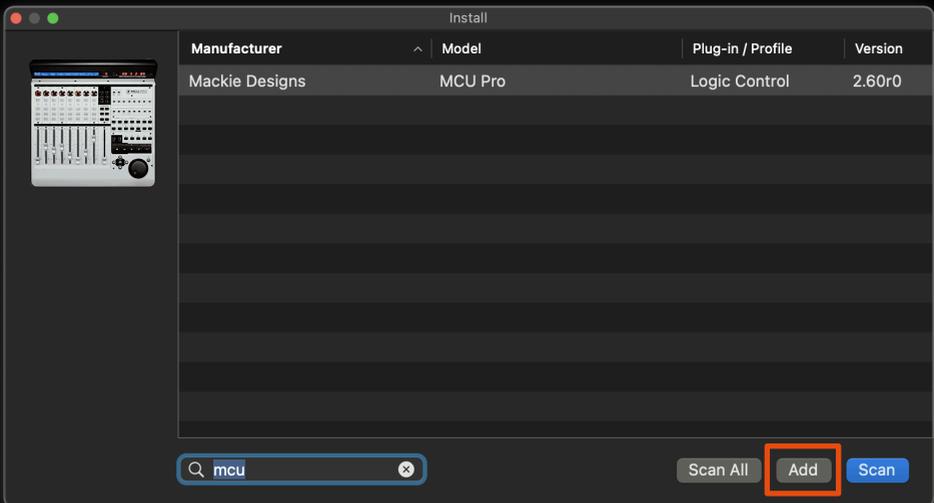
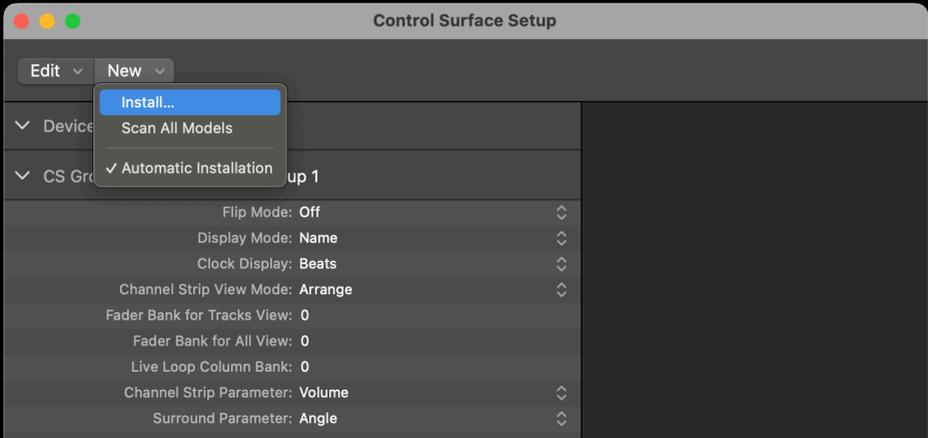


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Let's go back to our Control Surface menu...

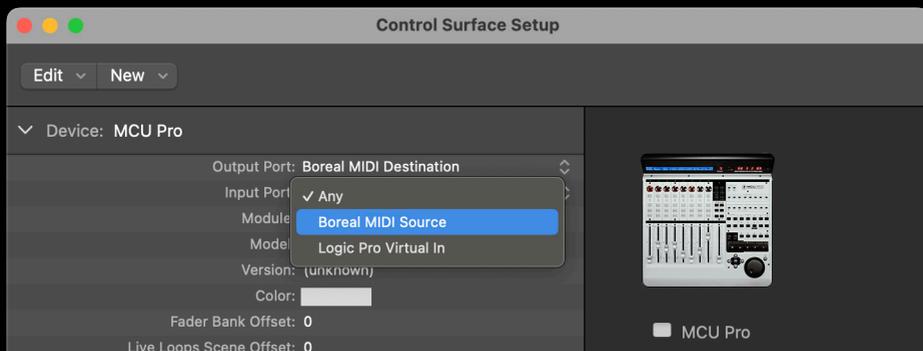
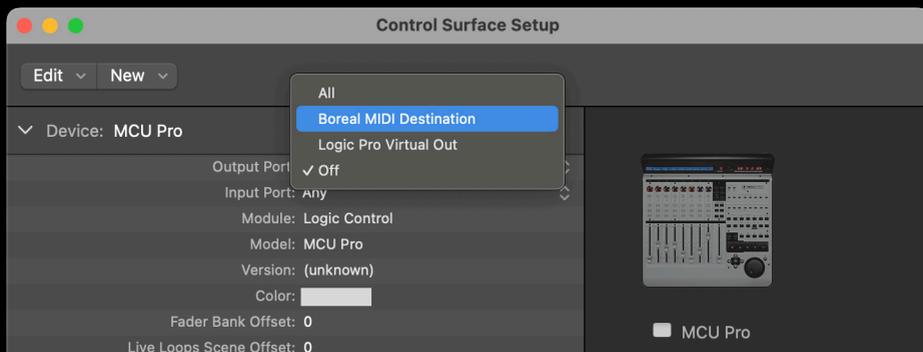
# 4- CREATE A NEW SURFACE

Click *New - Install*, and search **MCU Pro** (for Mackie Control Unit, sorry Marvel's fans...)



Then click **Add** (not Scan, there is no *real* MCU Pro plugged to your Mac)

Then, choose the Input and Output port of BOREAL (you must have BOREAL opened to see them)



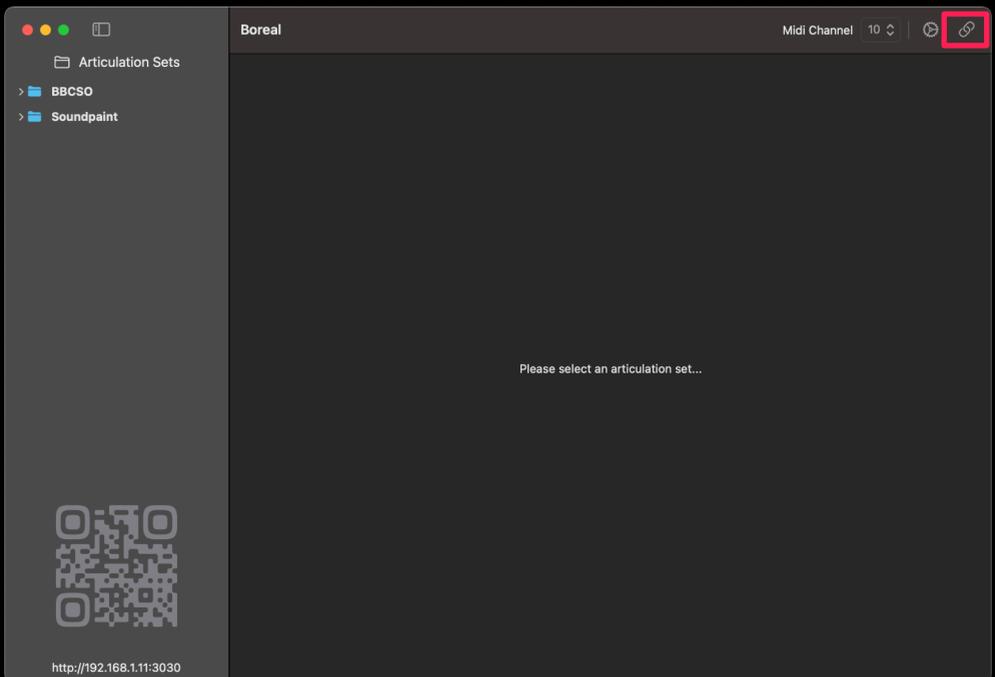
You can also edit the name of the Surface (not useful at all) and its colour (it will be slightly more aesthetic in your DAW: a thin rectangle of this colour will be displayed next to the tracks)

Everything is now ready in Logic Pro! Close the menu, and go back to BOREAL.

# 5- LINK EVERYTHING

Remember the  icon? It is now its time to shine. It will be its **only time** (except if you delete your Control Surface and recreate a new one). It's not an issue if you re-click it later.

Again, it's **VERY important** you don't forget to click this, or everything will seem bugged and broken.



Done! As simple as that... You can now scan the QR code, open the web controller on any device and everything will be synchronised.

Happy musical composition!

-Theophile

# 6- GREAT! AND THEN?

I must admit the hard part of the work is still ahead of you. It is now time to create all the Articulation Sets you need. I found Logic interface quite difficult to access and to use, so I packed an Articulation Set editor in BOREAL. It's very similar to what you may know, but here are a few advices/guidelines:

All your Articulation Sets must be named differently (sorry...) And BE CAREFUL:

Logic does not “updates” Articulation Sets when you re-save them. You have to re-select them on every track they were used on.

You can manage existing Articulation Sets, as well as create new ones through *right-click* or the *Edit* menu. Don't forget to SAVE modifications before opening another file

The screenshot shows the Boreal application window. On the left is a sidebar with a file tree under 'Articulation Sets'. The tree includes folders for 'BBCSO', 'Brass', 'Keyboard', 'Percussion', and 'Strings'. Under 'Strings', there is a folder 'BBCSO Strings L...' which is highlighted and has a context menu open. The context menu options are: Copy, Paste, New Folder, New Articulation Set, Delete, and Show in Finder. The main area of the window is divided into two sections. The top section is titled 'Switches' and contains a table with columns: Type, Control, Value Start, Value End, Mode, and Articulation. The bottom section is titled 'Articulations' and contains a table with columns: Name, ID, Artic..., Symbol, Type, Outp..., Control, and Value. A 'Save' button is visible in the top right corner of the main area. A QR code and the URL 'http://192.168.1.11:3030' are visible in the bottom left corner of the application window.

Type	Control	Value Start	Value End	Mode	Articulation
Note On	D2	Value	Value	Permanent	Lg
Note On	A1	Value	Value	Permanent	Lg Marcato Attack
Note On	D#2	Value	Value	Permanent	Lg Flautando
Note On	C#2	Value	Value	Permanent	Lg Sul Tasto
Note On	C1	Value	Value	Permanent	Lg Sul Pont
Note On	D1	Value	Value	Permanent	Lg CS
Note On	F#1	Value	Value	Permanent	Trill min 2nd
Note On	A#1	Value	Value	Permanent	Trill Maj 2nd

Name	ID	Articu...	Symbol	Type	Outp...	Control	Value
Lg	1	1	Staccato	Controll...	-	32	1
Lg Marcato Att...	2	1	Marcato	Controll...	-	32	11
Lg Flautando	3	1	Flageolet	Controll...	-	32	21
Lg Sul Tasto	4	1	Doit Short	Controll...	-	32	31
Lg Sul Pont	5	1	Marcato	Controll...	-	32	41
Lg CS	6	1	Fermata Down	Controll...	-	32	51
Trill min 2nd	7	1	Heavy	Controll...	-	32	61
Trill Maj 2nd	8	1	Heavy	Controll...	-	32	71

# MACKIE REMOTE CONTROL

- multiple outputs is not supported yet
- Regardless of what is displayed, only Note On and Controller switches are supported for now
- If you have multiple Articulation Sets with the same way, only the first one will be displayed on the web controller.

You can add symbols to your Articulations, and they will be displayed in different colours in the web controller (you can edit those in the settings of BOREAL).



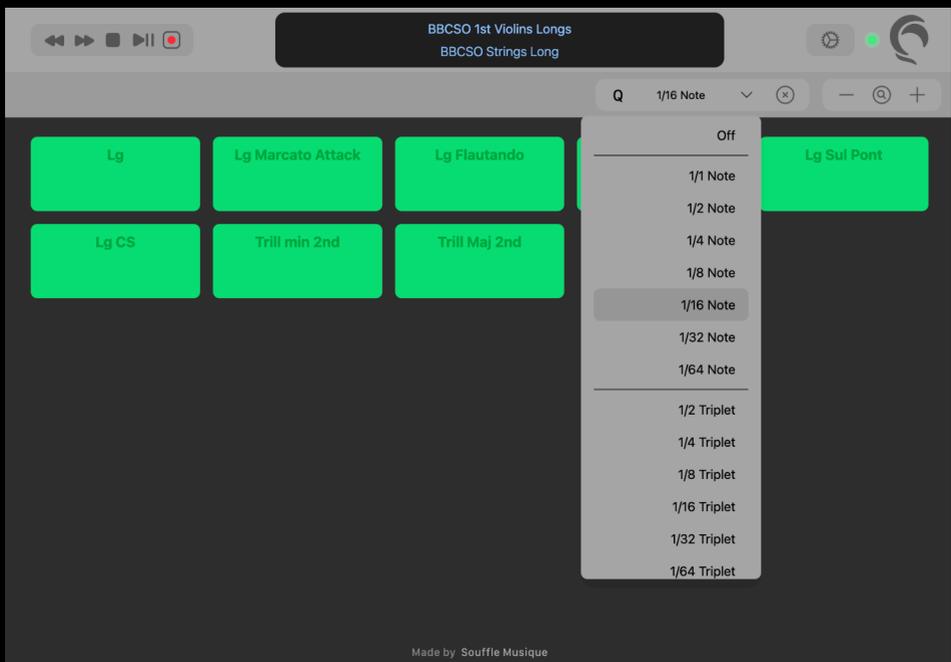
*Footnote*: the name of the active track is displayed in the web controller. However, if your track's name contains some quotation marks “ ”, it may appear cropped.

# 7- A FEW LAST WORDS

## MACKIE REMOTE CONTROL

On your web controller, you can adjust the number of articulation showed (+ and - icon), and use a few tools.

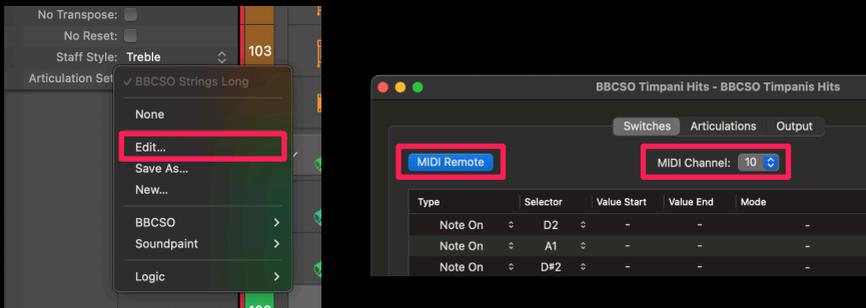
Please note that the pulsing LED (top right corner) is green if BOREAL is running and connection is OK, red if not (check if your app is running, or refresh the web page).



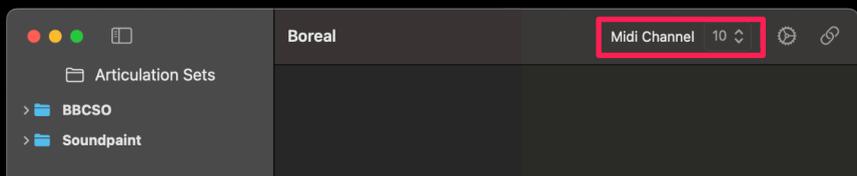
Standard navigation controls (rewind and forward) are already set up and understood by Logic Pro, but you will have to register Capture Recording, Play/Stop and Go back to last position on your own, as they are not implemented in Mackie protocol. Same for quantisation: it's intended to have X button on "Dequantize", and every item of the list to the matching key command.

# WHICH MIDI CHANNEL ?

Logic Pro expects Articulation Switches on a specific midi channel which you can set in Edit Articulation window (you don't need to do that on every track, one is enough)



Choose whichever channel you want, but make sure it is matching Boreal's one.



If you encounter any bug, weird behaviour, or if you have any suggestion, feel free to share your experience and thoughts at

[soufflemusique@gmail.com](mailto:soufflemusique@gmail.com)

Or via the contact from on [soufflemusic.com](http://soufflemusic.com)