

Reaper/Maschine setup notes

Contents

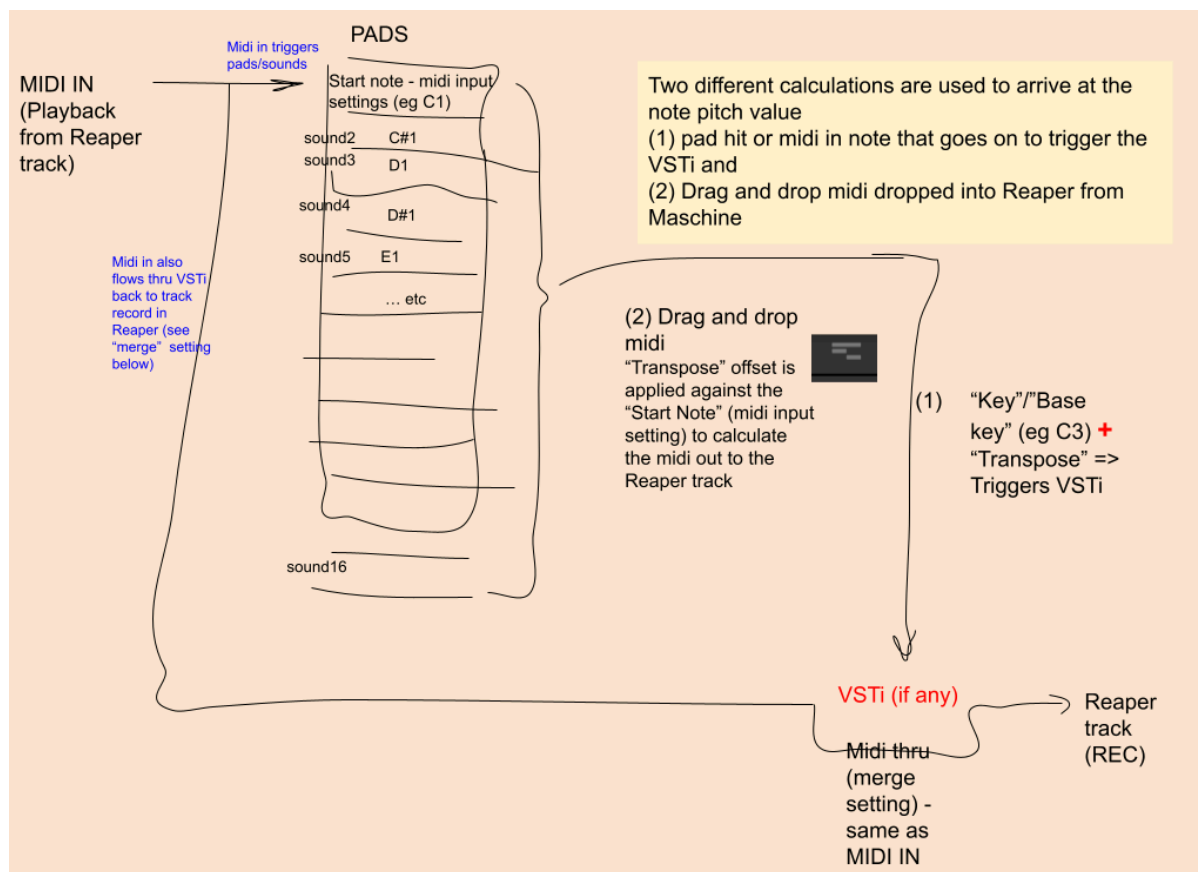
- 1 Sketch of midi signal flow (optional)
- 2 General Setup
- 3 Playing VSTi plug ins
- 4 Playing Battery

Summary: This is a description of a setup where a VSTi (eg Kontakt) is positioned in the Reaper FX chain after Maschine. There is a midi pass-thru to enable midi events to be recorded in Reaper tracks (from pads or playback from Reaper or the Maschine sequencer). (The setup also works for playback and recording in Reaper if no VSTi is used and we just deploy the Maschine internal sounds.)

1 Sketch of midi signal flow

Scary. Skip ahead if you like, but this is kind of interesting if you are nerdy.

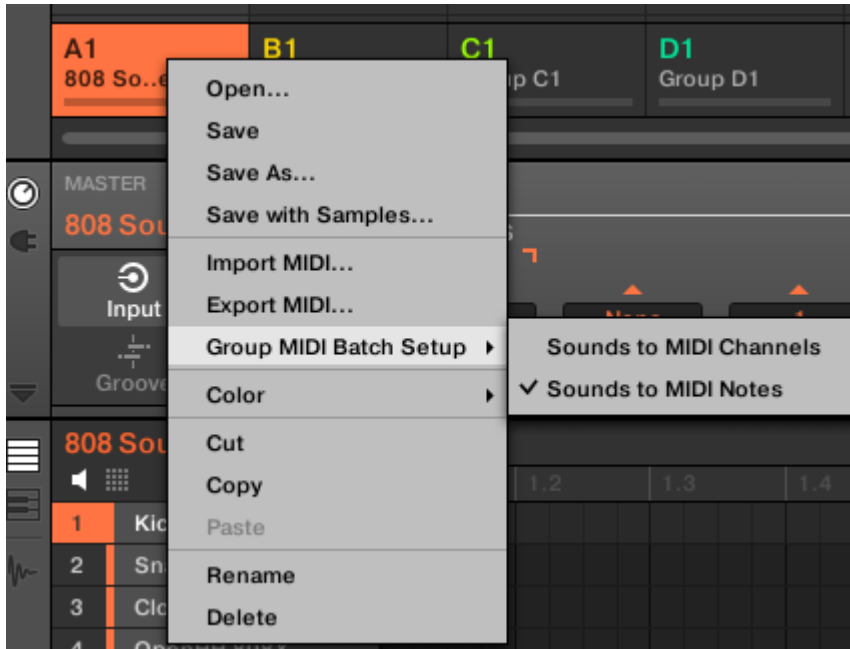
Note: midi in triggers PADS not SOUNDS. If you change the pad order, midi in from Reaper track playback will still trigger the same PAD even if you moved another SOUND to that pad position.



2 General Setup

Do this for each Group.

Make this setting first



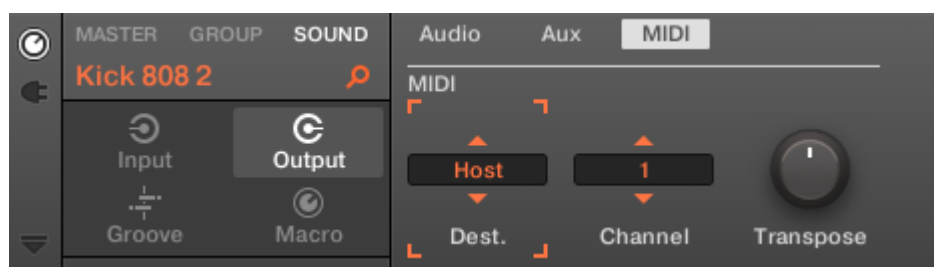
Select all Sounds in Group and then match the settings below.

Increment the value of “Channel” in each group you use (for all three settings below).

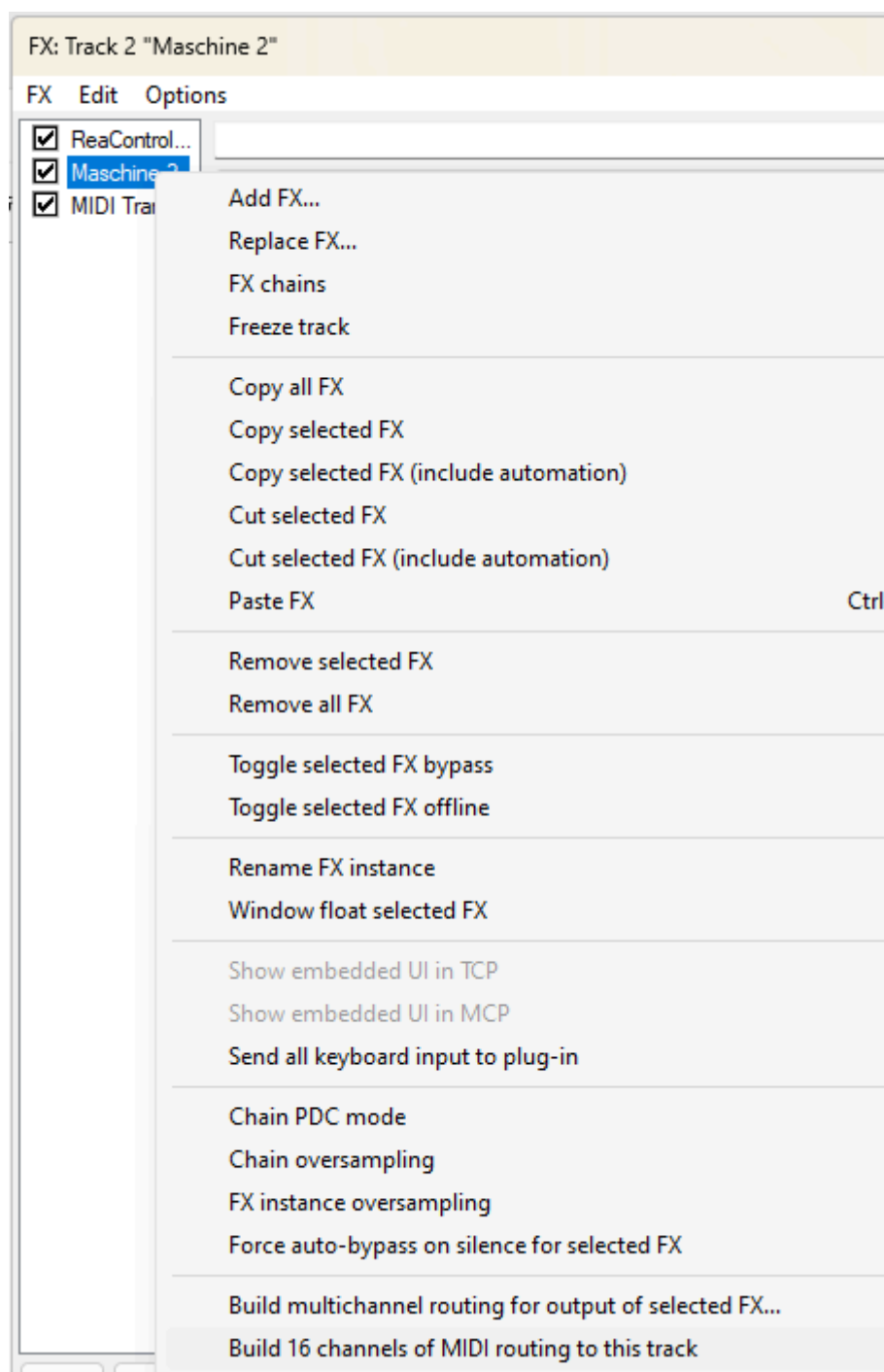
Group A=1, Group B=2, Group C=3 etc



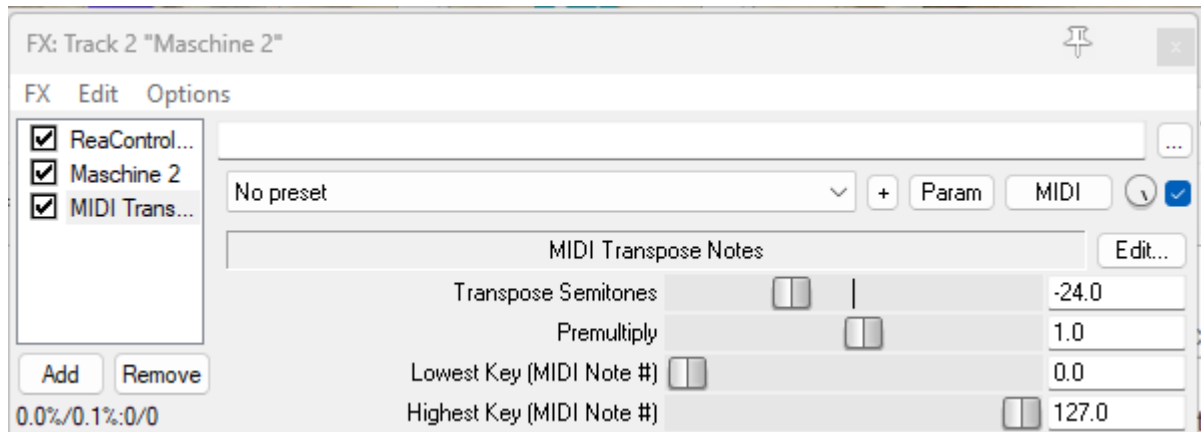
Select all Sounds



In the Reaper Fx where the maschine is, build 16 tracks of midi routing to this track. **Right click** and...

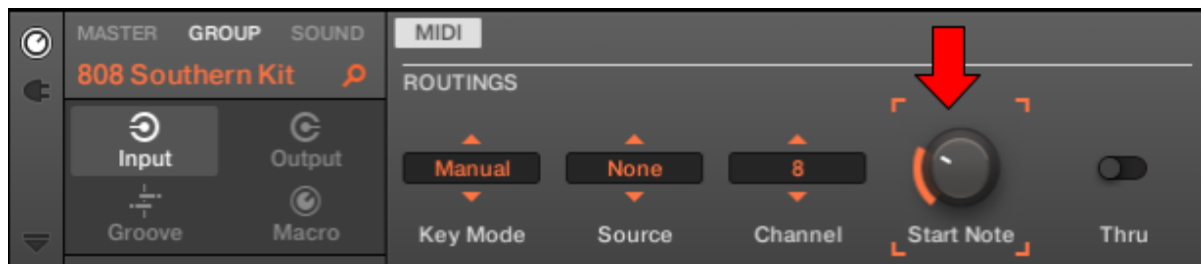


AFTER the Maschine, add a 24 note (2 octave) transpose down FX insert. (This will allow you to record midi on the correct note in Reaper tracks)



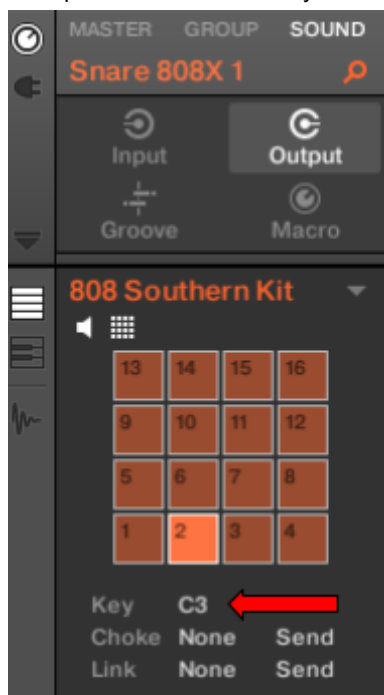
Note: This 2 octave transposition is required due to the default values in Maschine. The note gap is between the Sounds' (1) midi input "Start Note" (default note C¹) and (2) midi output "Base Note" (default note C³). ie:

(1) Midi input "Start Note" - default C¹



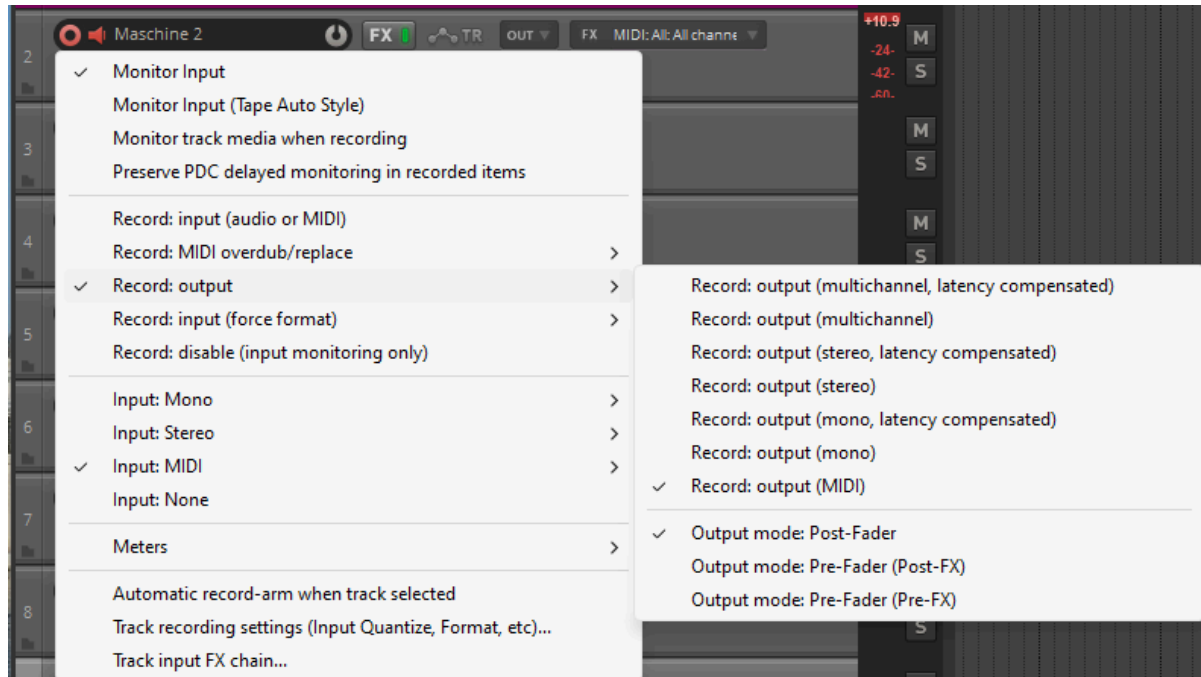
(2) midi output "Key" = "Base Key"* (set all pad sounds to the same value) - default C³

* this parameter is called Key in the software and "Base Key" in the hardware.



So if you set both of these parameters to the same note - eg C3 - (note for sound midi input: for all sounds), you don't need the transpose fx insert at all. Wise heads will determine what works best for them 😊

Set the Reaper midi track to Record Output (right click Record button on track):



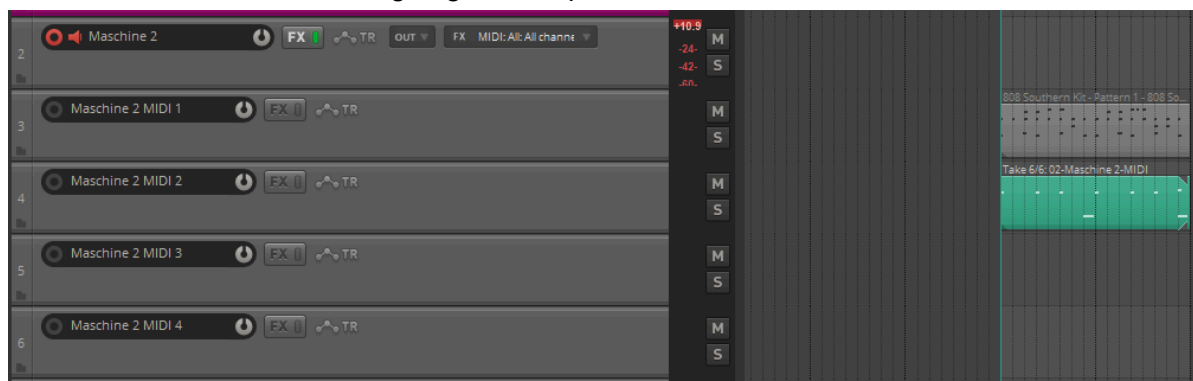
To get recorded patterns into Reaper you can either play the pads, record them into a reaper track as outgoing midi, or record inside Maschine 2 and then drag and drop machine patterns using the button here*... (yeah I know, I didn't know either!)

(*but note drag and drop difference in note calculation - see signal path section above)



For playback from Reaper to Maschine Groups, place the midi on the relevant track sending midi on the correct channel. So if you recorded (or dragged out and dropped) midi for Group B, place that midi on Reaper's track that is sending midi channel 2 (because that is what we set Group B to receive in the steps above). Group C takes midi on channel 3 etc.

For instance here I have midi going to Groups A and B via channels 1 and 2

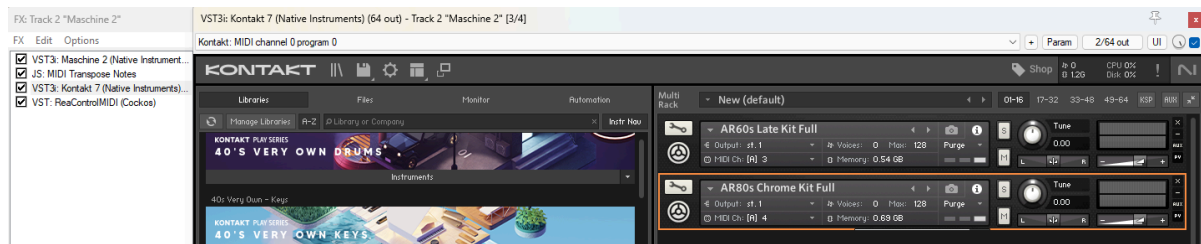


3 Playing VSTi plug ins

You can add VSTi's inside Maschine, but then you either need one VSTi for each sound, or you end up sending pads to pads which means you can't also output midi to Reaper for recording. But fear not, there is a way...

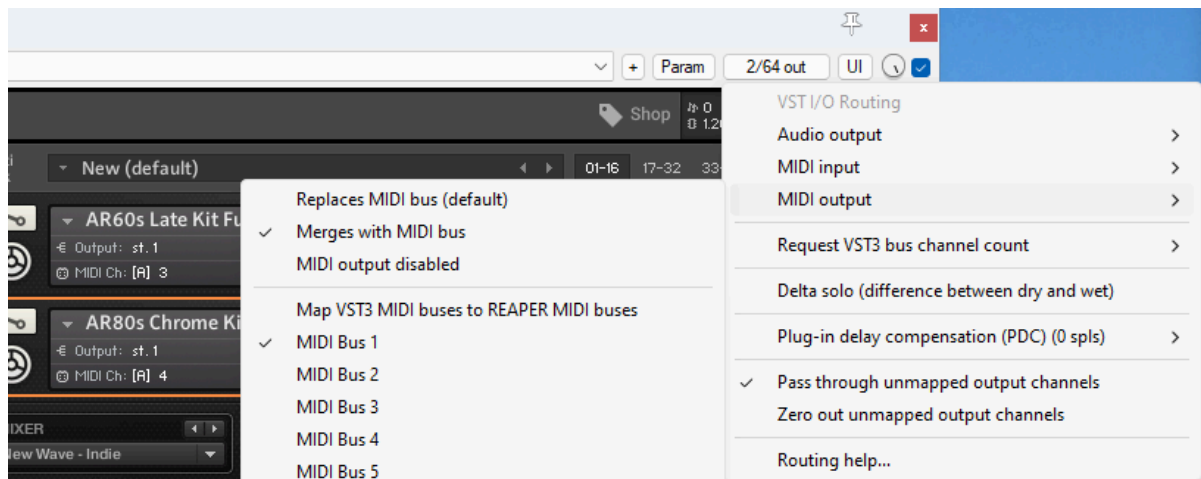
Instead of adding inside Maschine2, add your VST (eg Kontakt) AFTER Maschine 2, and AFTER the MIDI Transpose Notes in the FX chain (if used). Like this below. (I've got a

ReaControl in there just so I can the midi log, You don't need that unless you are troubleshooting.)



Now - by default KONTAKT will eat the midi events arriving, so we need to make a setting to pass-thru the midi... this is a problem because Reaper won't record your pad hits otherwise. So make this setting:

Right click the "2/64 out" button top left of Kontakt (or your chosen VSTi). Then go to **Midi output** > and select **Merges with MIDI bus**. Now midi events will flow straight thru Kontakt and can be recorded in Reaper! 😊



You also need to map your VSTi to receive midi on the Group channel you used back in the Maschine 2 plugin fx. Here's I've got two Kontakt drum kits on midi channels 3 and 4 to receive pads from Groups C and D.

Finally map pad hits to your drum VSTi sounds. In the Abbey Road kits you'll find that on the Options tab



4 Playing Battery

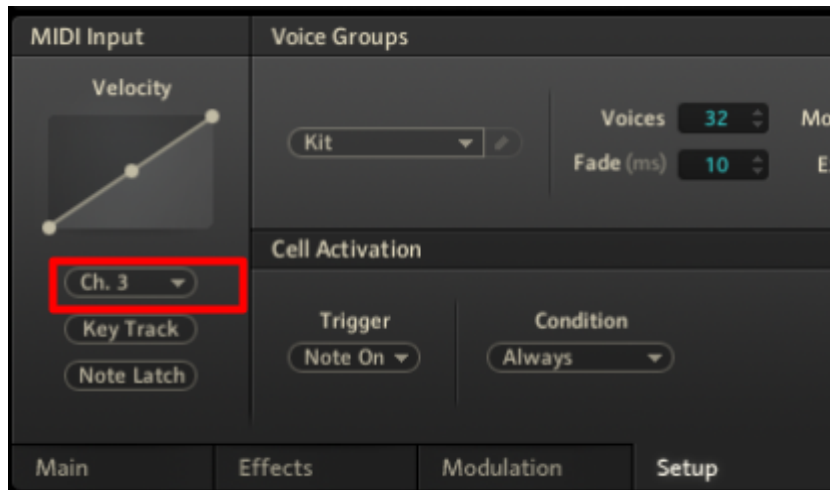
Three things to be aware of in Battery

1. Grid size
2. Midi channel for receive
3. Midi learn for each pad

Grid size is from here on the menu



Midi receive channel is set on the Setup tab here



Midi learn for pads is here. Tap the pad twice to set the upper and lower trigger key limit to the same value

