+RAIN Markov Groove Quick Guide

Tracks

1. **MAIN PERFORMANCE**
   a. MIDI track of for main performance
   b. This track should include the MIDI IN ROUTER Max device
      i. This device routes the MIDI from the main performance to proper locations in the Markov Max device.

2. **GT (RHYTHM GENERATOR)**
   a. MIDI track that holds the GrooveTransformer plugin
   b. The MIDI input channel should be set to the main performance

3. **GT->MARKOV SENDER**
   a. MIDI track that receives MIDI from the track with the GrooveTransformer (track 2)
   b. This track should have the GT MIDI SENDER Max device
      i. This device routes the MIDI output of the Groove Transformer to the Markov Max device in order to drive it rhythmically

4. **MARKOV DEVICE**
   a. MIDI track holds the Markov Max device.

5. **CHANNEL 1 and 2 Audio**
   a. MIDI group that holds tracks with the instruments that receive final MIDI outputs from the Markov device.
   b. Each output channel should use either CH1 RECEIVER or CH2 RECEIVER device. These are listening to the outputs of the Max device so that they can routed to the proper channel/instrument
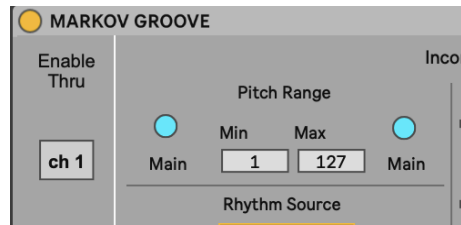
6. **CHANNELS 1/2 SUB STRINGS**
   a. This group contains additional options to synthesize the model outputs.

7. **FOREST RECORDING**
   a. Audio track used for clip playback

Troubleshooting

1. The blue indicators at the top in the Pitch Range section, indicate incoming notes from the main performance. They should blink for for note played on the main instrument. If this is not the case, make sure Track 1 is properly receiving MIDI and has the MIDI IN ROUTER Max device.

2. The blue indicators at the bottom in the Rhythm Source section, indicate if MIDI is being received from the rhythm generator (GrooveTransformer plugin). If this is not occurring after playing some notes on the main instrument, there are a few things you can check.
   a. Make sure play is enabled in Ableton
   b. Check that Track 3 is receiving MIDI from the Track 2 and that Track 3 has the GT MIDI SENDER Max device
   c. Click GT for the Rhythm Source on the Markov Plugin even if it is already selected. (See first image below)
   d. Go into the GrooveTransformer plugin and click within the triangle. You will see a point in the triangle. Position it at the top of the triangle. (See second image below)