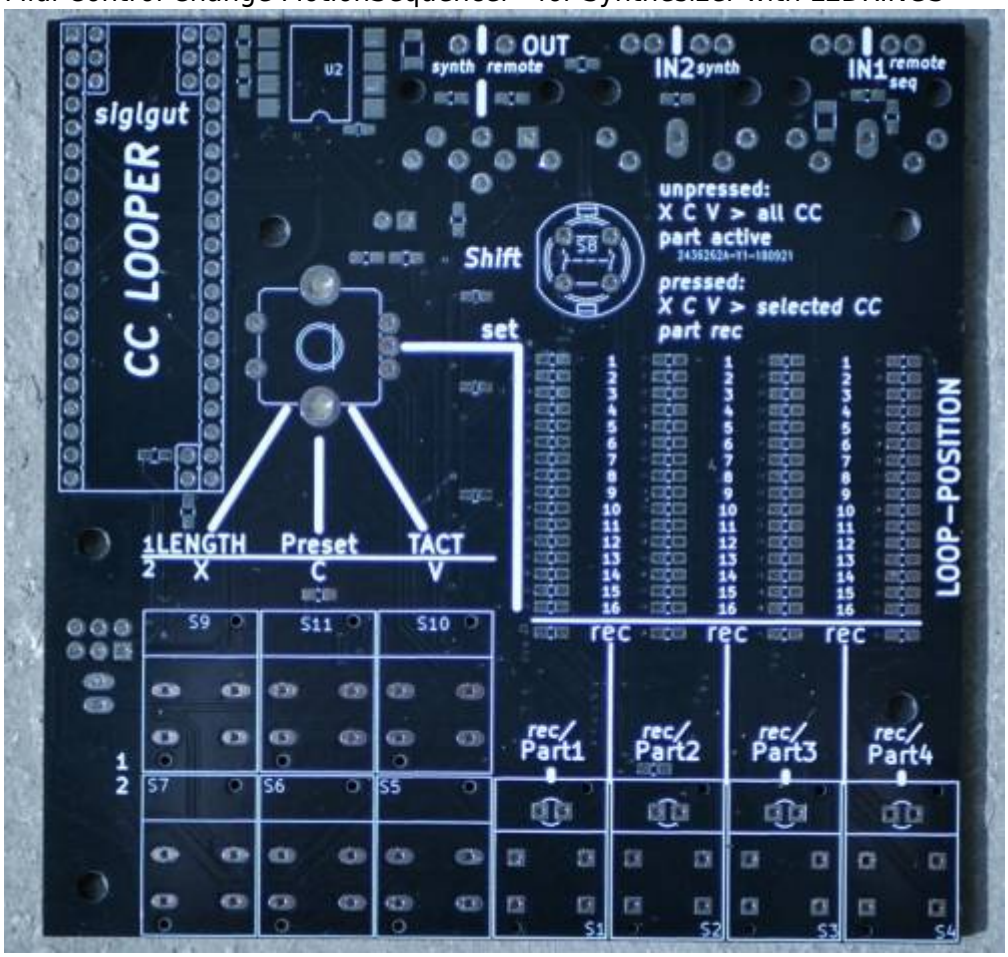
CC-Looper

CC-Automation
Midi Control Change MotionSequencer - for Synthesizer with LEDRINGS



Features

* 4Midichannels @ each 512Steps X 32th-looprate X 128 CCs
* of course only a few of the 128CC should be used @ once - 4x128xCCs @ 32th is Midi Data MESS and µC Death
* maybe only 256Steps, will depend on RAM.... RealWorld will tell
* each TRACK has a shared Track length for all its 128 CCs
* Copy, Paste, Clear: for the all 128CCs/or single CC
* There is no EDIT, you can clear a CC or Track and make a new Take
* ProgramChange Load and Store on microSD-Card, Load and Store are CC-Commands, so you can remote the device
* The Sequencer can be set to Tact Systems: 3/4 4/4 5/4 7/4 9/4 11/4 13/4

Hardware Requirements

External Requirement:(for example)

- You need a Synth with LEDRINGs - otherwise you have no Feedback and Overview - NordRack III is such one
- Melody/Clock Source with ProgramChange-Output: midibox_seq_v4l oops that dont do PC...
- Melody/Clock/CC Destination: NordRack III or any other Synth with Visual Feedback off CC-States

Midibox:

- dipcoref4 - this is the µC Brain for the Looper
- cc-looper - this is the UI-PCB of the Looper
- no other PCBs needet

- µSD-Card, formated with FAT32
- Soldering Iron - with a Dip that can Handle SMD-Parts, Wires, solder Paste for the µC....
- USB Power Supply with µUSB-Connector

Set

Cabeling

Midi IN1 »> MelodySequencer and Remote Devices
Midi IN2 »> Midi Out from Synthesizer - which sends out the Moved CCs
Midi OUT »> Synthesizer input (Automated CCs merged with mididata from Midi IN1)

Frontpanels



- a clear Acrylic Frontplate, with NO Engravings, UI-Labeling is viewable from PCB

Software

Firmware



Firmware not made yet

To Do

alot, beta test, programming the firmware, housing
will be interesting when using other synths then nord drum...

Resources

its based on a mixture off:

- msq-cc-lre
- msq-cc-bcr

but its a complete new design, and firmware

Community users working on it

- **Phatline** = Programming, Documentation...

Just let a Private message on the forum to user already involved.
I have 10 ProtoBoards here - i test one, and if it works, i can share them for Beta Testing-if you pay the postage

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