

<mb909>

kiCAD design of the board 

Home made prototype, finishing now 14th of February 2012 (and it works!!!)



Intro

This page is all about my TR909 looking sequencer. As soon as I have finished the sequencer based on the V4Seq with LPC board I will update this wiki page.

I am now in the final stage of designing the board, I have all the parts, LPC board. I just need to make one PCB to make sure that everything is working.

For now you can check how it is going with the project on at: <http://synthage.com/>

you can contact me on: <http://www.synthage.com/contact/default.html>

Cheers Jef

Features

The MB909 control surface is using the LPC core and altered SeqV4 firmware. The patterns can be for example 32 steps long with 3 trigger layers (gate, accent, roll,) and 2 parameter layers(velocity, roll, roll2, ...)

In edit screen:

- pushing one of the 16 general purpose buttons sets the selected step to normal velocity, pushing it again sets the selected step to accented.

In song screen:

- If multimachine is selected then the sequencer will play 4 tracks of one pattern at the same time (unless you have muted one or more tracks.
- If multimachine is not selected the sequencer will only play one track of one pattern.
- you can select the track with the track buttons or with the encoders.
- you select the bank of the pattern of the song position with the patterngroup buttons or with the encoders.

Skills / Equipment Required

[Tools](#)

[Soldering](#)

Hardware

What modules do I need?

Adjust List as required:

[Core32 Module](#)

[DIN Module](#)

[DOUT Module](#)

[AIN Module](#)

[AOUT Module](#)

[AOUT_NG Module](#)

[AOUT_LC Module](#)

[IIC Midi Module](#)

Any custom modules (create link in ':mbhp:module:<your_module>“)

Parts List

List of pots, buttons, faders and blah - suggestions on good parts and where to buy them + how to hook them up - links

[Where to buy Parts](#)

Connections

Connection diagrams - links if needed (create in you projects namespace

Enclosure / Case

Enclosure ideas - link to case construction tips? / provide space to encourage other users to wikify their case designs

Enclosure References

[Constructing Enclosures](#)

Software

Setting Up

We recommend you read [software](#) before you continue.

Download

Links

Setup Instructions

Up to you

Extra

[Usage Manual](#)

Anything else

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