Quickstart manual

You have decided, you want to have your very own Schwurbler MVP - Here is how to get one



https://github.com/mommel/hs-lr-midi-schwurbler/releases

- * Get your board
- * Get all materials
- * Solder all parts
- * upload Firmware
- * install Midi2LR
- * configure Midi2LR
- * Debug
- * get your hands on it

from:

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(Comic & Layout)

Julia Weber

(Revision & Correction)

Happy Shooting Community



What's inside the package?

BOM.pdf - Bill of materials

Gerberzip - Ready to order circuit board

Etchprint.pdf - Etchable board layout

Schema.pdf - Vircuit diagram

Quickstart guide - This file

precompiled firmware & the Sourcecode





Upload the Gerberzip to a manufacturer you trust

Get your board



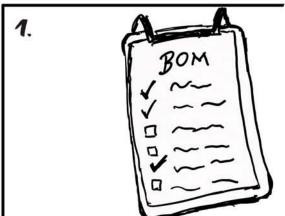
Etchprint.pdf

Print with a laser and deal with

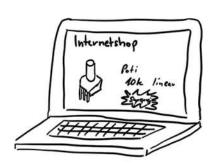
the deadly chemicals

2

Get your parts

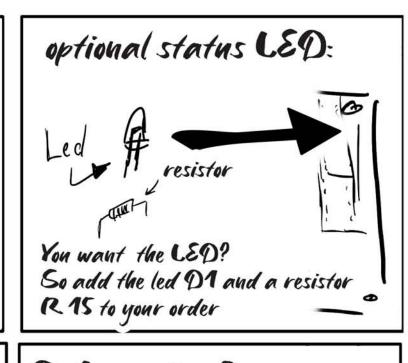


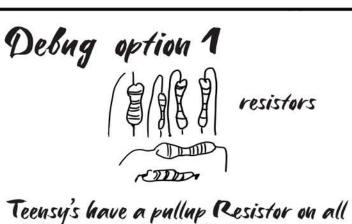
All mandantory and all optional materials are listed in the BOM



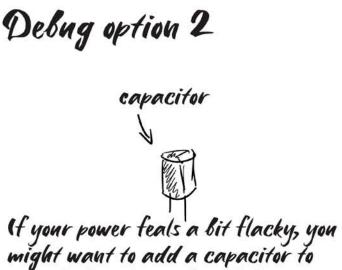
Put all mandatory items to your basket, and decide if and what you want as optional





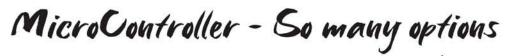


Teensy's have a pullup Resistor on all of their pins. If that fails you might want to solder the bunch of resistors. Add R1-R14 then.

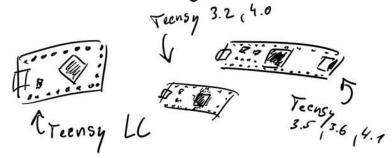


3.5, 3.6, 4.1

smooth the voltage. Add C1



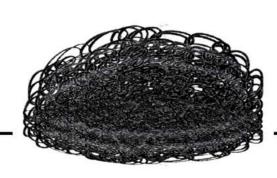
LC, 3.2, 4.0



In general you need nothing more than the LO. It's el cheapo version but tottally sweets the needs of the MVP Version. So if you don't know why you should get e.g. the super fast and longer 4.1 - just take the Low Cost

| I circuit board | |
|--|---|
| □ potentiometer □ buttons □ painter's tape □ solderingiron | optional LED + resistor resistors capacitor extra buttons |
| ☐ solder ☐ sponge* ☐ Teensy | |

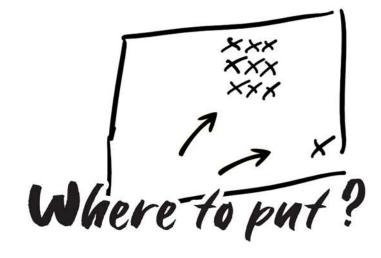
*Hint:



(f the heck no sponge is around, have a look in your kitchen, there might be a steel sponge. You can use it without water. But beware of putting it back to the kitchen: (t's contaminated -

Equip the board





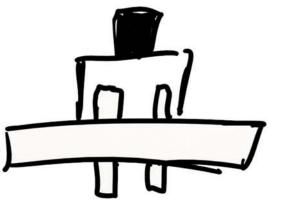
The buttons
Amount 10
Identifier: B1-B10

Birdseye view



cornerview





Keep in mind!

Always start with the parts with the lowest height, so you keep your live much easier!

Equip the board



still Buttons

To fixure the loose items, put painters tape over the buttons and board. First when all buttons are covered. Swap the board downfacing



Equip the board



solder the buttons

Stick about 2 seconds with
the tip of your soldering iron
to the hole and the pin. After that period
all should be heatened up

all should be heatened up enought to give you a nice joint



COMMONIAN S

-The legs are a bit peaky so you want to cut them down to a more suitable size

