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BASTL
INSTRUMENTS

PROPUST v1.0 - Assembly Guide

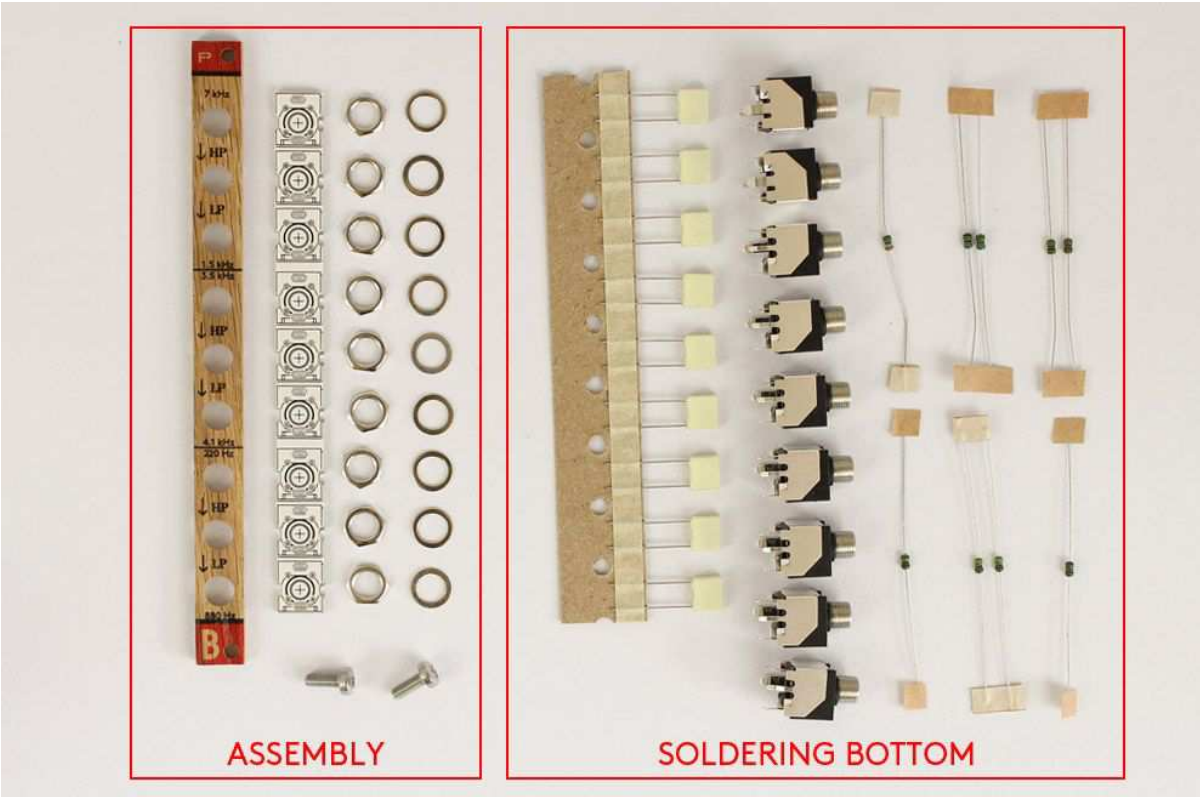
bastl-instruments.com

INTRODUCTION

This guide is for building Propust module from Bastl Instruments. It is good to have basic soldering skills and to be able to identify electronic components before starting this kit. However if you have never soldered before, check out this tutorial first[1]. We even included some of the best quality solder to help you solder everything faster and better.

The Propust module consists of two boards. All the parts comes in three bags separated for Bottom board, Top board and Assembly parts. See Bill of Materials (BOM) for detailed list.

[1] http://www.instructables.com/id/How-to-solder/



Before starting this kit, prepare the following tools:

- Soldering iron (15-20W)
- Multi-meter
- Flush cutters
- Wrench No. 8
- Protective eyewear

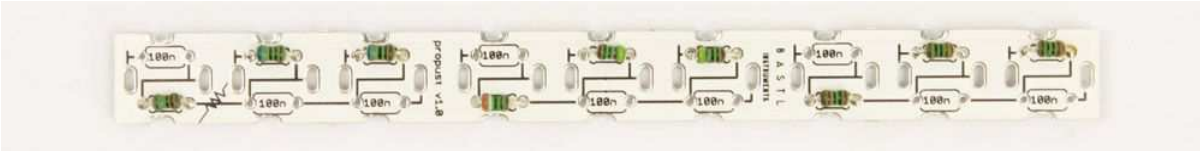
We suggest that you work in a clean and a well lit and ventilated environment to avoid accidents or losing any of the small components.

Also briefly go through this guide and make sure that you understand all the steps.

BOTTOM BOARD

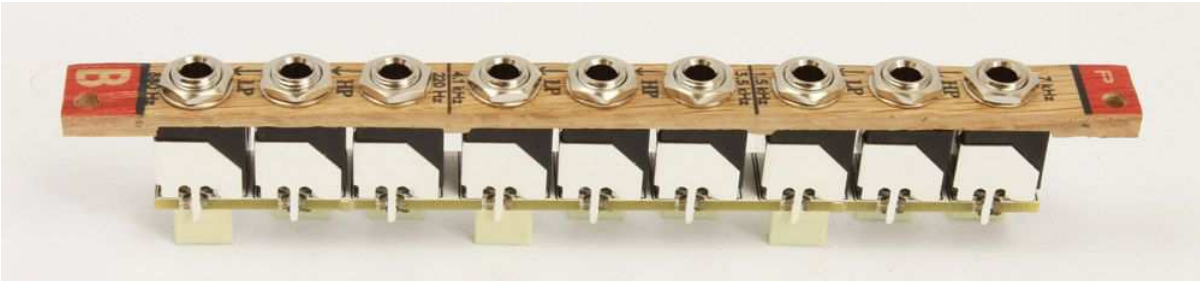
Before you start soldering, take your time and find all the resistors values using a multimeter[2] (or you can check the color codes if you are seasoned enough).

Now insert and solder nine **resistors** (2x 220R, 1x 390R, 2x 470R, 2x 680R, 1x 1k, 1x 1k8). Then snip the leads as close to the PCB as you can.

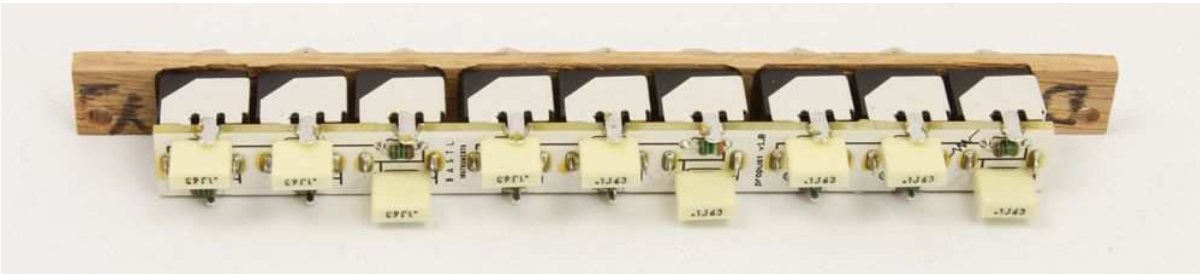


Also add the **capacitors** (9x 100nF).

Turn the PCB around and insert nine **mono jacks**. **Don't solder them yet**! We want to make sure that all the **components are properly aligned** with the front panel. Secure the jacks to the **front panel** with the **washers** and the **nuts**, making sure that everything is properly aligned (keep in mind not to tighten the jack nuts too much as you may damage the panel!).

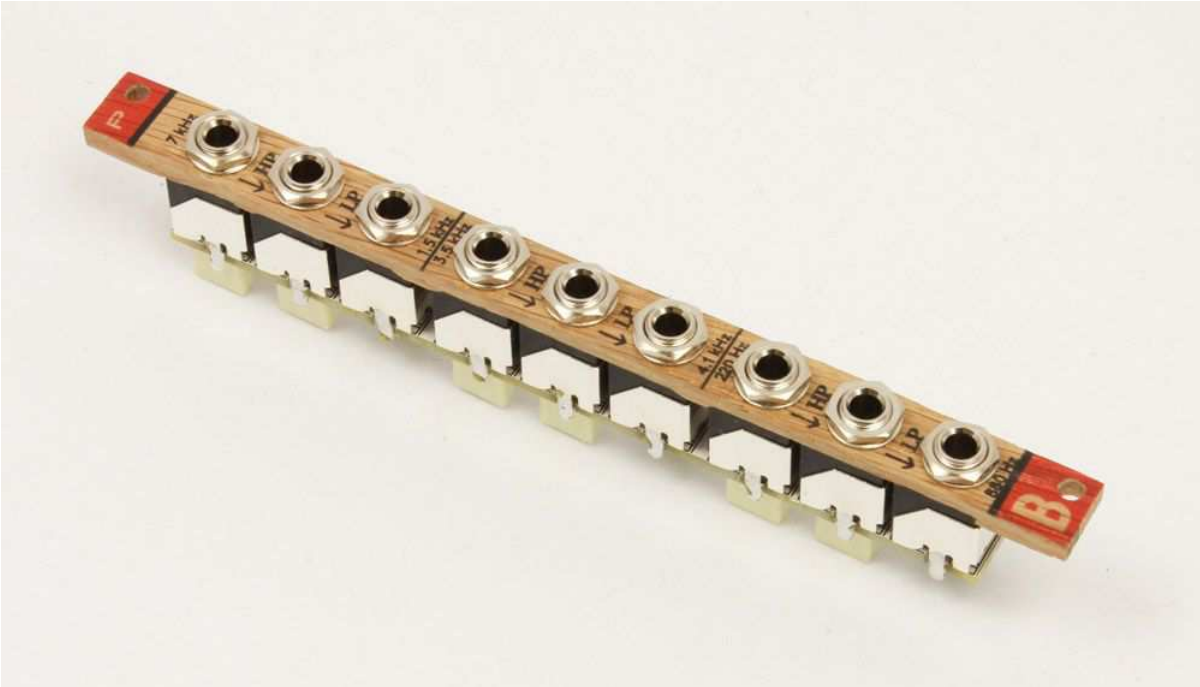


Turn the board around and finally proceed to soldering the jacks.



[2] https://learn.sparkfun.com/tutorials/how-to-use-a-multimeter/measuring-resistance

Congratulations! You have made it through. Now you are ready to enjoy your new module.



This is a passive module so you do not have to connect any power source.

TROUBLESHOOTING

First check out the DIY F.A.Q.

If you are having some more trouble, the best thing is to take a nap! Especially late at night!

If you are still in trouble you can send the detailed description of the problem with enclosed high-resolution photos on diy@bastl-instruments.com.

If you think that you are unable to make the module work on your own, consider our “Come to Daddy” service.