

All files on this page are for DIY/noncommercial use only. PM me on the forum for help/advice/whatever regarding my design.

Big thanks to TK, nILS, Wilba and anyone else who helped!

DESIGN SOFTWARE USED:

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All free software :)

KiCAD for PCB/Schematics: [http://kicad.sourceforge.net/wiki/Main\\_Page](http://kicad.sourceforge.net/wiki/Main_Page)

Sketchup for main panel/chassis etc. work: <http://sketchup.google.com/>

A Sketchup plugin to export to .svg: <http://code.google.com/p/sketchup-svg-outline-plugin/>

Inkscape for .svg editing: [www.inkscape.org/](http://www.inkscape.org/)

MANUFACTURING:

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Chassis and front panel are from [www.ponoko.com](http://www.ponoko.com) (New Zealand hub). Materials include acrylic: 3mm Black (frosted 1 side), 3mm Clear, 4.5mm Arctic Ice; and 7mm veneered MDF.

PCBs were manufactured at Gold Phoenix. Dimensions and layout were chosen/compromised to fit max. sizes available at both Ponoko and Gold Phoenix.

WARNING!!!!

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This is a work in progress. Some aspects are (as yet) untested, some contain bugs, and some imperfect.

I have endeavoured to only share files that I have used to get PCBs, panels etc. produced. If this is not the case it will be noted. I do not plan to produce corrected design files unless I need them for myself. Use of these designs is at your own risk. A list of currently known issues follows:

KNOWN ISSUES / BUILD SUGGESTIONS:

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- 5x17.brd contains an error due to a problem in TK's original BLM schematic. I'll be working on a software fix for this, it should be simple.
- blm-full.\* are currently untested, except as used in the 5x17.brd. The above schematic error is corrected.
- blm-scalar.\* contain an error. Pins I4-I7 are mirrored. This is easily fixed with a connector modification, and the blm-scalar module seems to work as intended.
- P3-frontpanel.svg has blue (cut) lines around engraving marks for some of the fader scale lines. I have worked around this by filling the holes with paint.
- Good idea to request ponoko to do the engraving on the matte side. My prototyping runs came with the engraving on the glossy side.
- Some sanding is required to get LCD windows and button caps to fit correctly.
- Check LED orientation prior to soldering - it may not match the outline printed on the board.

DESIGN FILES:

[findbuddha-shared-wiki-docs-0.1.zip](#)  
[blm-scalar-corrected.zip](#)

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