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:

All free software :)
KiCAD for PCB/Schematics: 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/

MANUFACTURING:

Chassis and front panel are from 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!!!!

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:

- 5×17.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 5×17.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

From:
https://www.midibox.org/dokuwiki/ - **MIDIbox**

Permanent link:
https://www.midibox.org/dokuwiki/doku.php?id=findbuddha&rev=1323766325

Last update: **2011/12/13 08:52**