

MIDIbox Eurosynth Project



Introduction

The Midibox Eurosynth project aims to be a **Eurorack Re edit of MIDIbox synths with advanced Control Surfaces** running with a Core32.

It's the Merging of 3 existing projects:

- [MB-FMX2](#)
- [MB-STELLA](#)
- [MB-EuroSID](#)

Community users working on it

[Psykhaze](#), [Antichambre](#), [Eptheca](#)

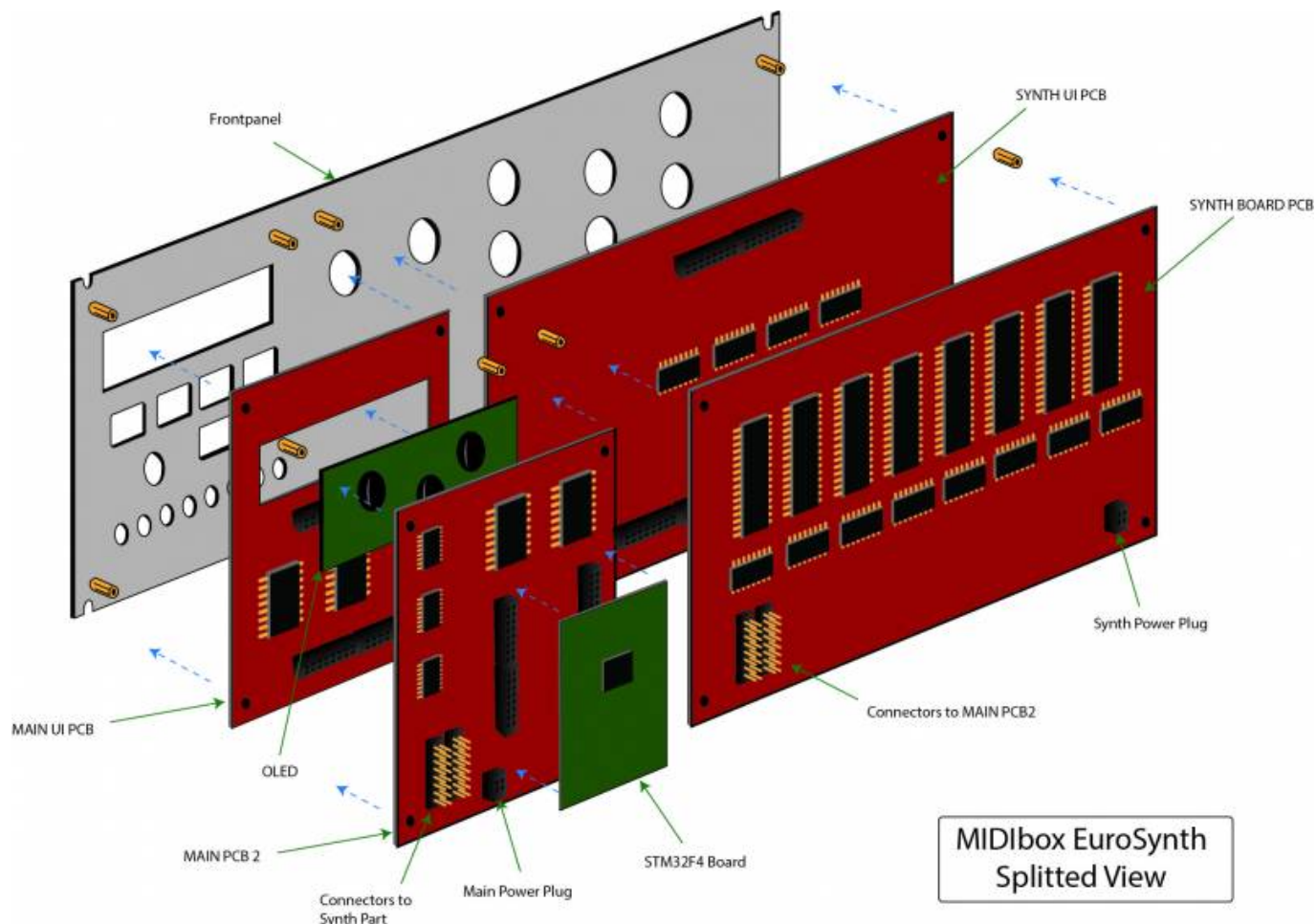
Getting Involved ?

Just let a Private message on the forum to some of users already involved

Software Tools used

- [Inkscape Vector Drawing Software](#) - Front panel Concept Drawing
- [KiCAD PCB](#) - PCB Design | [KiCAD Librairies](#)
- [Code::Blocks Integrated Development environment](#) - GUI Software - MIOS programming

Architecture



Standard Main Part Features

1. Core32 Board
2. **Standard Control Surface** with 6 Tactile switches, Push - Encoder ,**OLED** Graphical screen
3. **SD Card Slot+USB in**
4. **2xMIDI IN + 2xMIDI OUT 2.5mm jack Plugs**

Eurorack Relative

- **Eurorack Design 3U Height** = $5,25'' = 133\text{mm} - \text{rails} = \underline{128,5\text{mm}}$.
- **Modules Frontpanels are 8HP-multiple wide** ($8\text{HP} = \underline{40,3\text{mm}}$) see [Eurorack Specification](#).
Frontpanel back spacers glued with JB-weld to avoid front screwing. [Eurorack Templates PDF](#) | [Eurorack Templates DXF](#)
- **PCB Size is 100mm height** To stay compliant to [Eurocard Specification](#)

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