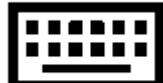


# MIDIbox User Projects

This space is for user projects and project documentations.

Projects don't have to be finished, works in progress should also be linked here!

For a complete overview of official projects see the MBHP [Projects](#) page!

Controllers
<b>Completed</b>

<ul style="list-style-type: none"><li>• <a href="#">Protodeck</a> - Ableton Live Controller</li><li>• <a href="#">Pedal Box / Board</a>- Expression Pedal Controller / Floorboard</li><li>• <a href="#">Stukontrol</a>- MIDI Controller</li><li>• <a href="#">Modulbox</a>- Modular Control Surface</li><li>• <a href="#">Scratch controller</a></li><li>• <a href="#">Questionable</a>- DJ Controller</li><li>• <a href="#">Selektor</a>- DJ Controller</li><li>• <a href="#">TOS</a> - DJ Controller</li><li>• <a href="#">YATK Forum Thread</a></li><li>• <a href="#">ACSensorizer</a> - Sensorizing controller</li><li>• <a href="#">Arkade</a> Joysticks, Distance sensors, Ribbons Controller</li><li>• <a href="#">MIDIboxKB</a>- C64 keyboard as input</li><li>• <a href="#">VOIRINOV</a>- Akai MPD24-like MIDIbox</li><li>• <a href="#">MIDIbox UC</a> - Universal Control: Extended SysEx Handler</li><li>• <a href="#">MB-LRE8x2</a>- 16 Led rings encoders</li><li>• <a href="#">msq-cc-lre</a>- 8Ch x 32CC Bank-Syntheditor with Motion Automatition and Velocity Offset from Triggers - based on 2x LRE8x2 - Nord Drum Edition</li><li>• <a href="#">msq-cc-bcr</a>- 8Ch x 32CC Bank-Syntheditor with Motion Automatition and Velocity Offset from Triggers - with BCR2000 instead of LRE - Nord Drum Edition</li></ul>
<b>In Progress</b>
<ul style="list-style-type: none"><li>• <a href="#">MB-Modulbox-NG</a> Modular Controllers</li><li>• <a href="#">MB_OLRE16</a>- 1 row of 16 encoders with oleds and 32 segments RGB led rings.</li><li>• <a href="#">The Thing DJ-Mixer</a></li><li>• <a href="#">Fadercore</a> - Fadermodule for Audio DAW</li></ul>

- [MIDIboxFX - midifying analog gear](#)
- [Korg Wavedrum MIDIification](#)
- [Velocity converter](#)

## Synthesizers

### **Completed**



- [\*\*MB-6582\*\* - MIDIbox SID Synthesizer V2 using 8xSID PCB and "step C" control surface PCB.](#)
- [\*\*MB-TWINsid\*\* - MIDIbox SID Synthesizer V2 using 2xSID PCB and dedicated control surface PCB .](#)
- [\*\*SID R8TR\*\* - 3U rackmount case SID](#)
- [\*\*MIDIbox FM V2.1\*\* - A complete multitimbral synth using two OPL3s and the STM32F4 core](#)
- [\*\*OPL3 module, modified\*\* - 5V option](#)
- [\*\*MIDIbox VGM Player\*\* - Plays VGM files on up to four Sega Genesises' sound chips \(YM2612/YM3438, SN76489/SN76494/SN76496\)](#)
- [\*\*Apparat 20\*\* - Seppoman's MBFM & vocoder phone](#)
- [\*\*Antix MBFM\*\* - A MBFM Build by Antix](#)
- [\*\*MIDIbox SpeakJet\*\* - SpeakJet speech synthesizer](#)
- [\*\*MIDIbox SpeakJet K64 Modul\*\* - C64 Keyboard Controller for SpeakJet](#)
- [\*\*MIDIbox TIA\*\* - Atari 2600 Synthesizer](#)
- [\*\*MIDIbox AY \(YM\) V2\*\* - AY-3-891x / YM2149 Synth](#)
- [\*\*Coresound\*\* - Pic based digital synthesizer](#)

### *In Progress*

- [\*\*MB-ReSynth\*\* - 4U FM/TIA/SID Synths](#)
- [\*\*MB-DigiRoland\*\* - Roland Analog Drums driven by digital Pots](#)
- [\*\*MIDIbox Quad Genesis\*\* - Up to four Sega Genesises' worth of sound chips, controlled by STM32F4 core. 4x YM2612 OPN2, 4x SN76489/94/96 PSG](#)
- [\*\*MIDIbox SNES APU\*\* - Super Nintendo APU synth](#)
- [\*\*MIDIbox POKEY\*\* - Atari Pokey synth](#)
- [\*\*MIDIbox 3396\*\* - CEM3396 based synth](#)
- [\*\*MIDIbox SD Card Sample Player\*\* - SD](#)

## Card Polyphonic Sample Player

### Miscellaneous

#### Completed



- [MIDIbox Mixer](#) based on PGA chips
- [MIDIbox Matrix](#) - MIDI I/Os Matrix
- [MIDI Mapper](#) - MIDI Channel Mapper
- [MIDI Master Clock](#)
- [MB Clock](#) - How to handle a realtime clock (RTC) with I2C
- [SSM2044 VCF](#) - Low pass filter board
- [clock2audio2clock](#) - Record/Playback Midiclock via Audio-Recording
- [dipCoreF4](#) - An STM32F4 Compact Core.

#### In Progress

- [MB Sync24](#) - Midi clock to Roland sync24 converter
- [MB Visual Metronome](#) - Midi Metronome
- [MidiboxDMX](#) - DMX light control with Midibox
- [MBlight Mind-Machine](#) - an audio/visual brain stimulator
- [mb-scope](#) - 6ins+2sync Dual TFT Scope
- [MIDIbox Audio Matrix](#) - digitally controlled analogue audio/CV patch router
- [MIDIbox Live](#) - Complete and automatic integration of MIDIbox and Ableton Live using LiveAPI.
- [SSM2164 VCA](#) - Quad channel VCA board
- [EASY CV](#) - EuroRack-sized - 8x LFO+ENV-combi with 8AOUTChannels for VCA-VCF based Setups
- [MIDIbox 2069](#) - Based on the KORG NJM2069 Music Voicing System

### Sequencers

***Completed***

- [BLM16x16+X](#) Matrix Controller
- [TPD](#) - Track Position Display
- [BLM 16x4](#) - Button LED Matrix
- [MIDIbox Arp](#) - A MBHP Arpeggiator
- [DSEQ32](#) - 32 step drumseq
- [Chaos Matrix](#) Oberheim Matrix 1000 Programmer
- [The HAARP](#) - Hardware Advanced Arpeggiator.

***In Progress***

- [Triggermatrix](#) - 16track Trigger-Sequencer & Trigger-router - a liveact based center of a midisetup
- [16th fixed PolySequencer](#) - 16th fixed 2x4track-poly-Sequencer - the poly note/melody-source for [Triggermatrix](#)
- [AlternativeSequencer](#) - Alternative ideas for sequencers
- [MB808](#) - 808 Clone Sequencer
- [MB909](#) - 909 Full Clone

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