

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

Completed

- [Protodeck](#) - Ableton Live Controller
- [Pedal Box / Board](#) - Expression Pedal Controller / Floorboard
- [Stukontrol](#) - MIDI Controller
- [Modulbox](#) - Modular Control Surface
- [Scratch controller](#)
- [Questionable](#) - DJ Controller
- [Selektor](#) - DJ Controller
- [TOS](#) - DJ Controller
- [YATK Forum Thread](#)
- [ACSensorizer](#) - Sensorizing controller
- [Arkade](#) Joysticks, Distance sensors, Ribbons Controller
- [MIDIboxKB](#) - C64 keyboard as input
- [VOIRINOV](#) - Akai MPD24-like MIDIbox
- [MIDIbox UC](#) - Universal Control: Extended SysEx Handler
- [MB-LRE8x2](#) - 16 Led rings encoders

In Progress

- [MB-Modulbox-NG](#) Modular Controllers
- [MB_OLRE16](#) - 1 row of 16 encoders with oleds and 32 segments RGB led rings.
- [The Thing DJ-Mixer](#)
- [Fadercore](#) - Fadermodule for Audio DAW
- [MIDIboxFX](#) - midifying analog gear
- [Korg Wavedrum MIDification](#)
- [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

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

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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<http://www.midibox.org/dokuwiki/> - **MIDIbox**

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Last update: **2017/12/01 03:04**