

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!

<box 47% left blue|**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](#) Eurorack Modular Control Surface
- [The Thing DJ-Mixer](#)
- [Fadercore](#) - Fadermodule for Audio DAW
- [MIDIboxFX](#) - midifying analog gear
- [Korg Wavedrum](#) MIDification
- [Velocity converter](#)

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<box 47% right red|**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
- **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-EuRoland** - Eurorack Roland Analog Drums
- **MB-EuroSynth** - Eurorack FM/TIA/SID Synths
- **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

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<box 47% left green|**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

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-CVScope** - Eurorack 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

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<box 47% right orange|**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](#) - Triggermatrix Control
- [AlternativeSequencer](#) - Alternative ideas for sequencers
- [MB808](#) - 808 Clone Sequencer

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