# 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
- **msq-cc-lre**- 8Ch x 32CC Bank-Syntheditor with Motion Automatition and Velocity Offset from Triggers - based on 2x LRE8x2 - Nord Drum Edition
- **msq-cc-lre**- 8Ch x 32CC Bank-Syntheditor with Motion Automatition and Velocity Offset from Triggers - with BCR2000 instead of LRE - Nord Drum Edition

*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 - midifiying 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
- **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

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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
- **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

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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 - 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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https://wiki.midibox.org/ - **MIDIbox**

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Last update: **2018/05/12 10:40**