

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 <i>In Progress</i> • 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 • MB_OLRE16- 1 row of 16 encoders with oleds and 32 segments RGB led rings.	
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-EuroSynth** - Eurorack FM/TIA/SID Synths
- **MB-EuRoland** - Eurorack Roland Analog Drums
- **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

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-Euroscope** - 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
- **EASY CV** - EuroRack-sized - 8x LFO+ENV-combi with 8AOUTChannels for VCA-VCF based Setups

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
- **AlternativeSequencer** - Alternative ideas for sequencers
- **MB808** - 808 Clone Sequencer
- **MB909** - 909 Full Clone

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