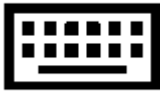


MIDIbox User Projects

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 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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