

MBHP: The MIDIbox Hardware Platform

The hardware of all MIDIbox [projects](#) can be assembled in a modular way. Some projects have special designed modules, others only require a [Core Module](#). Every project needs at least one Core.

Modules Overview

Core MicroController Modules

- [Core32 Module](#)

Outdated

- [Core8 Module](#)
- [PIC Programmer Modules](#)

Analog Inputs / Outputs

- [AINSER8 Module](#) Multi Analog Input
- [AINSER64 Module](#) Multi Analog Input extended
- [AOUT Module](#) Analog Output (Control) Voltages
- [AOUT LC Module](#) Low-Cost AOUT
- [MF Module](#) MotorFader Control

Outdated

- [AIN Module](#) Analog Input (0-5V)

Digital Inputs / Outputs

- [DIN Module](#) Digital Input
- [DOUT Module](#) Digital Output
- [LCD Module](#) Liquid Crystal Display
- [LTC Module](#) MIDI LED +Out/Thru
- [IIC Modules](#) to communicate to other (microcontroller) devices via I2C
- [SD Card Module](#)
- [USB Modules](#) PC/USB Interface

Outdated

- **BankStick** Memory module to store settings

Sound Synthesis Modules

- **SID Module** for the famous C64 sound chip
- **OPL3 Module** for the FM-Chips YMF262 and YAC512
- **IIC SpeakJet Module** for the SpeakJet sound chip



For Developers

If you have somehow improved a PCB layout, please submit your changes here:

- **PCB Layout Improvements** for MBHP Modules

From:

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Last update: **2016/08/04 10:58**