

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

<box 99% blue|**Core MicroController Modules**>



- [Core32 Module](#)

Outdated

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

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<box 47% left green|**Analog Inputs / Outputs**>



- [AINSER8 Module](#) Multi Analog Input
- [AINSER64 Module](#) Multi Analog Input++
- [AOUT Module](#) Analog Output Voltages
- [AOUT LC Module](#) Low-Cost AOUT
- [AOUT NG Module](#) Analog Output Voltages - Newest Version
- [MF_NG](#) MotorFader Control

Outdated

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

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<box 47% right red|**Digital Inputs / Outputs**>



- [DIN Module](#) Digital Input
- [DOUT Module](#) Digital Output
- [MIDI I/O](#) 2xMIDI I/O
- [Quad MIDI IIC](#) 4xMIDI Out
- [Line Driver](#) Line Driver
- [Ethernet](#) Ethernet Module
- [LCD Module](#) Liquid Crystal Display
- [IIC Modules](#) Communication to third-part devices via I2C
- [SD Card Module](#)
- [USB Modules](#) PC/USB Interface

Outdated

- BankStick Memory module to store settings

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<box 47% left orange|**Sound Synthesis Modules**>



- **SID Module** for the famous C64 sound chip
- **OPL3 Module** for the FM-Chips YM262 and YAC512
- **IIC SpeakJet Module** for the SpeakJet sound chip

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For Developers

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

- **PCB Layout Improvements** for MBHP Modules

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