

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Outdated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++
- [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Outdated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)

Digital Inputs / Outputs

- [DIN Module](#) Digital Input
- [DOUT Module](#) Digital Output



- **MIDI I/O** 2xMIDI I/O
- **quad_iic_midi** 4xMIDI Out
- **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Outdated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

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

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