

MIBIbox 64

Intro

-All about it, what it does and blah

Features

- up to 64 Pots or Faders, dynamic priorities: latency < 1 ms! 😊
- up to 64 Push-Buttons
- up to 64 LEDs
- one internal bank
- +16 external banks with every BankStick
- sends CC/Note/Aftertouch/PitchBender/ProgramChange
- Min and Max values, scaling over the whole pot range
- Meta Events allow you to define SysEx strings and more
- Normal, Snap (Soft-Takeover), Relative and Parallax Mode for pots
- On/Off, On Only, Toggle Mode for buttons
- integrated MIDI Learn Function
- Setups exchangeable via SysEx
- Device IDs to address up to 8 boxes in a MIDI chain
- Menu Buttons
- Snapshot Button with Save/Recall function
- Shortcuts for the buttons (SFB) for faster menu handling
- LC-Display, different Display Modes
- dedicated strings for every pot can be saved in the BankStick
- MIDI-Merger
- MIDI event filter for the merger
- Optional RS232 Interface

Additional features of the MIOS based version:

- runs on a PIC18F452 under MIOS
- On-Screen editing of MIDI Events
- On-Screen editing of pot labels
- On-Screen editing of banknames
- up to 8 BankSticks can be connected (→ up to 128 banks)
- banks can be copied
- Remote Control via SysEx
- an optional global MIDI channel
- Morphing function which allows to fade smoothly between two pot scenes
- optional 8 CV outputs with MBHP_AOUT
- optional 64 CV outputs with MBHP_SHX8

Skills / Equipment Required

- [Preparation](#)
- [Soldering](#)

Hardware

What modules do I need?

- 1x [Core Module](#)
- 0-2 [AIN Module](#)
- 1-4 [DIN Module](#)
- 0-4 [DOUT Module](#)
- 0-1 [AOUT Module](#)
- 0-1 [SHX8 Module](#)

I want 72 buttons, 10 encoders and 12 LED's. How many of each module do I need?

I'm going to build a calculator

List of parts

-list of pots, buttons, faders and blah - suggestions on good parts and where to buy them + how to hook them up - links

http://www.midibox.org/users/tor_arne/midibox64_walkthrough/parts.html



Connections

-Connection diagrams - link if needed

-Enclosure ideas - link to case construction tips? / provide space to encourage other users to wikify their case designs

http://www.midibox.org/users/tor_arne/midibox64_walkthrough/case.html



Software

- burning bootloader - link
- Core Tools - link
- MIOS Studio and Additional tools - link.
- The app and modification instructions

Extra

usage manual

From:

<http://wiki.midibox.org/> - **MIDIbox**

Permanent link:

http://wiki.midibox.org/doku.php?id=temp_template_test

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