2025/10/22 17:59 1/2 About

### About

The mbhp DIN module is the unit that takes the inputs from a switch or encoder and sends this information to be processed by the mbhp core module. It comes with multiple serial registers 74HC165; every register provides 8 digital inputs, which are sampled with the latch enable signal LD and shifted out with the clock signal CLK. The advantage of using such shift registers is, that they can be cascaded to a long chain without the need of more than 5 cables to the core module. The DIN board has been designed on a way which allows to cascade not only the ICs on the board, but also several DIN modules. But note that it depends on the firmware how much inputs are processed by the core module. For instance, the MIDIbox64 allows to connect up to 64 buttons = 8 ICs = 2 \* DINX4, the MIDIO128 supports 128 inputs = 16 ICs = 4 DINX4 modules.

## **Getting Started**

- Preparation
- soldering
- Wher to buy Parts
- etching\_pcbs
- terminating cables

#### **Special Instructions**

- smd\_soldering
- etc

# **Details**

**Pins** 

**DIN & DOUT pin table** 

**PCB** files

list 'em

#### **Schematic**

you can do it

### **List of parts**

list

# **Building it**

### **Building instructions**

blah blah blah

## **Testing**

testing instructions

## **Common issues / Troubleshooting**

blah blah blah

#### Reference

troubleshooting

From:

http://wiki.midibox.org/ - MIDIbox

Permanent link:

http://wiki.midibox.org/doku.php?id=home:mbhp:module:din&rev=1228208071

Last update: 2008/12/02 08:54



http://wiki.midibox.org/ Printed on 2025/10/22 17:59