

MBHP_OPL3 module modifications, the 5V option

The OPL3 module originally has three TL074 op-amps, and a circuit that needs +/-12V bipolar power supply.

In Wilba and nLS sammichFM, they use two OPA4348 rail-to-rail op-amps, that can be powered by 5V.

Sauraen suggested another 5V rail-to rail op-amp, the MCP6004, which is pin compatible with the TL074, and a way to modify the OPL3 module to use these.

- Replace R5,R7,R10 and R13 with jumpers
- Bridge IC6 pads 1&3, 5&7, 8&10 and 12&14
- Leave out:

IC6

R4, R6, R8, R9, R11, R12, R14, R15

C15, C16, C19, C20, C23-C30

- Bridge C20 pads (to supply Ground for the op-amps) - Leave out bridges to IC6 - Use MCP6004 for IC3 and IC5

From:

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

Permanent link:

http://wiki.midibox.org/doku.php?id=opl3_module_modified&rev=1390902651

Last update: **2014/01/28 09:50**

