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## midi thru box recommendations ?

Posted by dolfazoid - 2013/02/16 14:23

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hey guys,

i need a reliable midi thru box... i have a MIDI solutions Quadra Thru which is pretty useless.  
I think it is because it has no mains power so will only work with some equipment.

basically, i have a Tempest that is master and an SP404 that only has Midi In and a Minibrute that only has Midi In.

I do not want a computer in this set-up...

I am currently looking at a Kenton Thru 5 Box that has mains power.

thanks guys

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## Re:midi thru box recommendations ?

Posted by the dreammer - 2013/02/16 22:01

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<http://www.midisolutions.com/faqs.htm#Power>

as far as i can remember, you could add a powersupply to your midisolutions stuff..  
it works great in my all roland studio...  
never tried with my elektronstuff, it does say something on the site about mkl's

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## Re:midi thru box recommendations ?

Posted by StinkyBeat - 2013/02/16 22:12

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Casio TB-1

Built like a tank. 2 in X 8 out

Usually pretty cheap. Got mine for \$30 or \$35 off Craigslist  
\$50 or so on the flea-bay

Not always easy to find. :-(

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## Re:midi thru box recommendations ?

Posted by bryantalbot - 2013/02/21 21:07

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I'm using the Kenton Thru-5. Like you, the Tempest is the master. The Kenton just works and I never think about it. B)

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## Re:midi thru box recommendations ?

Posted by cosmosuave - 2013/02/21 21:26

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Don't toss that mid thru box just yet... I had the same problem but changed it... Unfortunately I no longer have the pics since my website revamp but if you have some skills you can do this for under \$10... I have posted this solution a few times here..

### MIDI SOLUTIONS POWERED THRU-BOX

It came to a point that I needed a thru box for my set up but low and behold none of my gear provided the necessary 5v midi bus power... To remedy this I searched the net for a 9v to 5v regulator to install in the thru-box... The mod is fairly easy but just make sure you keep things small and install the switch in the same are that I have and it should all fit together...

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Just built the power supply on some bread board and mounted it to the switch... In the schematic you just want to put a switch between neg side of C1 and neg of 9v battery... It's tight but it does fit in the midi solutions box... Remember this is only if your midi devices do not supply 5v...

[http://stuff.nekhbet.ro/2006/06/18/how- ... -7805.html](http://stuff.nekhbet.ro/2006/06/18/how-...-7805.html)

How to build a +5V regulator using 78L05 / 7805

This is a very simple article, just trying to help Ã¢â¬Å.

What is the most vital piece we always need in electronics? The answer is Ã¢â¬Å. a good power supply, right? .

The best regulators for using in electronic projects are the 78LXX (78L05, 78L09, 78L12, 78L15 Ã¢â¬Å ). I searched google for the application notes and I found them easily (look in the bottom part of the page for the download link).

Their typical application was the IC + 2 small condensers (the input is at 0.33uF and the output is at 0.01uF), but after some tryouts and more googling I found this page which, too be honest with you, I consider it to be the best circuit over the web.

I tested the circuit and it worked like charmed.

Reading the application note we see that the input voltage must be between 7V and 20V and the output voltage is between 4.75V Ã¢â¬Å 5.25V .

<http://stuff.nekhbet.ro/wp-content/uploads/2006/06/78L05.GIF>

Components:

IC1 = 78L05 / 7805

D1 = 1N4007

C1 = 100uF

C2 = 10uF

9v battery

9v battery connector

breadboard

spst switch (toggle or push button)

Here is the midi solutions thru box complete powered via 9v battery...

Open showing battery placement and voltage regulator board...

Power connections to midi jack... You can use any one of the 4 outs jacks...

Battery fits nice and snug...

Close up of voltage regulator board and switch... Make this as small as possible and note location of where I placed it as it is a tight fit when closing up the box...

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## Re:midi thru box recommendations ?

Posted by udenjoe - 2013/02/21 23:38

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That sucks if the Tempest doesn't supply voltage.

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## Re:midi thru box recommendations ?

Posted by grimley - 2013/02/22 03:35

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I've been using one of these for about 10 years with no problems:

<http://www.zzounds.com/item--THKMIMT380>

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