

Date: Tue, 08 Jul 2003 06:20:45 -0000  
From: "jraygun3000"  
**Subject: KBD 2e - Keyboard Converter**

I'm trying to decide if I would rather control my modular synth with a MIDI-CV converter or by building the KBD 2e Keyboard Converter. On a different modular synth of mine, I use a MIDI-CV, but sometimes get annoyed with the digital aspects of it, such as stuck notes. The KBD 2e looks great, I could finally have a homemade synth with no digital stuff at all. But I have two questions:

1. I'm concerned about the accuracy of it. Will a change in temperature affect the value of the huge resistor chain in the keyboard, thus throwing everything out of tune? (like in a VCO)
2. In the front panel design drawing, there is shown an output for pitch bend, but I can't find anything relating to pitch bend in the online schematics. Does the KBD 2e support pitch bend?

If anyone could answer either question, I'd be thrilled!

---

Date: Tue, 8 Jul 2003 06:01:31 -0700  
From: "tomg"  
**Subject: Re: KBD 2e - Keyboard Converter**

> 1. It's very accurate.

> 2. To get PB you would have to include a joystick on your controller. The PB jack is simply wired to the joystick. For Mod you would connect the LFO to the VCA and use the joystick to vary the VCA CV.

BTW Our Midi to CV converters don't stick.

Tom

---

Date: Tue, 08 Jul 2003 18:46:44 -0000  
From: "jraygun3000"  
**Subject: Re: KBD 2e - Keyboard Converter**

Thanks for the advice, as soon as I get a good candidate for a controller, I'll order up a KBD 2e!

---

Date: Wed, 09 Jul 2003 07:54:53 -0400  
From: "R. Drake"  
**Subject: Re: Digest Number 609**

j,

here's a reference to a source for a keyboard:

>n 6/19/03 3:30 AM, Scott Stites at scottnoanh@peoplepc.com wrote:

Hi all, I ordered one of those 61 weighted key keyboards from Electronic Goldmine, and received it tonight.

<http://sales.goldmine-elec.com/prodinfo.asp?prodid=8280>

For \$39.95, it's not a bad buy at all. Each key does have a metal weight in it, and it's spring action. It's got a good feel to the keys, but I really don't have anything good to compare it to. The switches are the membrane type, and there is something about this keyboard I didn't expect: The diode matrix has 122 diodes - two diodes for each key. The cathodes are attached to the anodes of the diodes in pairs for each key. The cathodes each are switched into two different, separate rows by the keypresses - in other words, there are twice as many rows as a 'standard' diode matrix. The rows are as one would expect - 8 keys to a row, except for each 8 key row, there is a duplicate 8 key row that is switched in separately with the 'second' diode.

---

Date: Wed, 9 Jul 2003 13:37:01 -0700

From: "Scott Stites"

**Subject: Re: Digest Number 609**

Hi All,

You can check again, but last time I looked, the keyboard at Electronic Goldmine had sold out =(

Cheers, Scott