

Note: when using RXCV with a VCO3D darkbone says: bypass R19 in the RXCV to stop drift.

Hello one & all! I'm currently putting together the RX-CV kit from EFM. I've got a couple of questions; Is R4 270 ohms? (not 270k like the parts list sez) Is C10 10uf? (not 10 pcf) And what's the deal with the MOD Select switch and the AUX jack The AUX jack is not shown on the artwork for the rack panel. Is this another output and the switch is for the delay? Please clarify. Thanks, in advance. James P

Hi James...

R4 is 270ohms but use 1K instead.... C10 is 10uF

Initially, Aux CV could be changed in firmware. Now it is set to Mod CV and is activated by a mod value of 64 or more. If you wanted automatic after mod on every note, gate could be selected with a switch.

Note to all RXCV and CV-pro builders.....If you can't get the -10.56V reference voltage.

U7 is shown as a TL074 in the RXCV use a LM324. Not all 074s work but a 324 will always do the trick.

In the CVpro U9 is shown as a TL072 replace this chip with a LM358 for the same reason.

Tom

Date: Wed, 31 Jul 2002 06:22:37 -0000

From: "wobusel"

Subject: RX CV woes

Hello DIYer's

I just put together EFM's RX CV And I can't get it to function properly I rechecked all my solder joints, Ics and components etc, I've got -10.50v on pin 7 of U6. All my power voltages are on the right pins in the right amounts. I get a constant 8 volts of DC on the Gate and Glide outs, with no Midi conected. Nothing on the Mod Cv and negative DC on the Key CV & the Pitch bend CV. Is this a PIC problem? What should I do?

Thanks

James

Date: Wed, 31 Jul 2002 05:50:58 -0500

From: "e4m"

Subject: Re: RX CV woes

I doubt it's the pic. I think that's a new one...You should send it back to me with \$5.00 for return shipping... email Kim for info. (efmorders@hotmail.com) I'll get it back to you ASAP.

Date: Fri, 20 Sep 2002 19:23:06 -0500

From: matt newport

Subject: question about the RXCV

Hey all Got my RCVX kit today. I've nearly finished assembly, but I have a question. The Doc refers to IC6 as a TL074 jFET opamp, and IC7 (which I assume is actually IC3, since there is no IC7) as an LM336Z 5v ref diode.

Instead of either of these parts, I got an LM324 (not a jFET, but it's still a quad opamp, so no big deal, I suppose) and a 74LS04 hex inverter. That's where I'm a bit puzzled-- will the hex inverter sub for the 5v ref diode IC? What is p/n T1 supposed to be? The parts list says 100k (maybe a trimpot?).

- Trev

Date: Sat, 21 Sep 2002 03:02:43 -0700
From: "tomg"
Subject: Re: question about the RXCV

The LM336Z looks like a transistor, check the markings. The 74LS04 is used for midi thru....The TL074 has been replaced with a LM324.

Tom

Date: Thu, 02 Jan 2003 22:58:56 -0000
From: "kpeeklprodigy "
Subject: RXCV problem

Hello

I tried to get my RXCV to work last year. I gave up on it. Now I pulled it back out.

First, I have done all of the mods, including using a LM324 instead of the TL074. I am getting +.126 volts on pin 18 of the 7528. I should be getting -10.56 volts. Turning the trimmer pot doesn't change the voltage. My power supply is working correctly. The +5 volt reg works as well. Any ideas?

Thanks, Kevin

Date: Wed, 22 Jan 2003 01:34:26 -0000
From: "tmaskows "
Subject: rx-cv with +15 -15

Hello,

Just wondering if anyone has gotten the rxcv board to work with a +15 -15 power supply...

When i hook it up with the higher supply, I can't trim the pin 1 of the opamp to -10.50 volts. The voltage is always positive.

Thanks

Tom

Date: Wed, 22 Jan 2003 02:11:07 -0000
From: "tmaskows "
Subject: Re: rx-cv with +15 -15

Nevermid, i dont know what i was smoking

it works fine