

Date: Fri, 1 Nov 2002 20:58:24 -0800 (PST)
From: o
Subject: Re: rmp1b kit

Blitzcraig wrote: > the power supply connection is too big for PCB holes >
They're all like that. Just carefully drill out the holes a little bigger.

Kevin

Date: Wed, 11 Dec 2002 17:20:22 -0700 (MST)
From: "Blitzcraig"
Subject: rmp1b ringmod HELP!!!

I have soldered all my parts, turns out the documentation is very small for this module. I'm assuming C6 is 1uF/50v.
I can't seem to figure out which connections go where for the pots/jacks. They're all labeled with letters but from looking at the schematic, I can't tell which connection goes where. The schematic is very low resolution so I can barely read it.
Also, the mini jacks have 3 terminals, what is the 3rd for? I know they are mono jacks, signal and ground, but I'm unfamiliar with what the third connection should be, is it another ground or something?
thanks for the help,
-Joe www.blitzcraig.com

Date: Thu, 12 Dec 2002 11:36:14 -0800
From: Brandon
Subject: Re: rmp1b ringmod HELP!!!

3 terminal mini or 1/4" jack, ground and two signal terminals, the two signal terminals are connected internally until a plug is inserted at which point it pushes a flange out of the way and connects itself in place of the other terminal.
These are typically used on semi-modular synthesizers to create a "normalled" patch where an output of one module is connected to an input of another *unless* you plug something in to override the "normal", the Arp2600 and korg ms20 are good examples of this. You can check to see if that's what these are by using the continuity tester function on your multimeter to see if the two non-ground terminals are connected with nothing plugged in.
-Brandon

Date: Thu, 12 Dec 2002 13:36:00 -0800
From: Brandon
Subject: Re: rmp1b ringmod HELP!!!

Do whatever you want (or nothing) with the other terminal. I didn't look at the spec sheet, but with any switching jack it's easy to tell which terminal is the normalled input and which is the output, just pull out the multimeter again, plug in a jack, and see which terminal has continuity with the other end of the cable. Bear in mind that a TRS/Stereo minijack plug will actually make contact with the normalled input of a switching jack!
-Brandon

Date: Fri, 13 Dec 2002 08:19:28 +0800
From: "Chromatest Pantsmaker"
Subject: Re: rmp1b ringmod HELP!!!

if you had a semi-normalized system, or a ringmod with a vco built in, you could have the vco hooked up to one side of the jack. when no plug is inserted, that vco would feed one input of the ringmod. but when insert a plug to the jack, that connection is broken and that input of the ringmod is fed by the external source instead of the (internal) vco.

Date: Thu, 12 Dec 2002 17:37:43 -0700 (MST)
From: "Blitzcraig"
Subject: Re: rmp1b ringmod HELP!!!

thanks, that's a great idea for a mod. The PCB currently doesn't have an oscillator for the modulator, it's totally dependent on the input signal. But to modulate with a built in oscillator by just unplugging the input would be very cool. -Joe

Date: Sat, 14 Dec 2002 00:22:23 -0500
From: "elmacaco"
Subject: Re: rmp1b ringmod HELP!!!

the RMP1 does have a control oscillator onboard that you could normal to the input. it's the LFO that is switchable to higher audio range.

Date: Sat, 14 Dec 2002 12:03:13 -0700 (MST)
From: "Blitzcraig"
Subject: Re: rmp1b ringmod HELP!!!

Duh, I guess it does. Still doesn't solve my problem with which pad on the PCB goes where. Maybe Tom has already designed it so that it will use the LFO as the modulator if nothing is plugged into the modulator input. I wish someone could get back to me on this. thanks, -Joe

Date: Sat, 14 Dec 2002 14:31:56 -0500
From: Ed
Subject: Re: rmp1b ringmod HELP!!!

I don't have the schematic in front of me but... you could run a wire from the lfo out jack (the hot wire, not the ground) to the switched (or normalled) lead on the modulator in jack. That way, the lfo is the modulator until an external signal is patched in. The alternative (which has it's own charm, i.e. max out those patch cables to impress the chicks (it's a joke...)) is to have a 2" patch cable to go from the lfo out to the modulator in. Ed

Date: Tue, 14 Jan 2003 04:22:57 -0000
From: "nihiliste9 "
Subject: RMP1b carrier knob?

Hi all. I was wondering where the knob would go for the carrier. I see the pic on the website has five knobs, but I only have four, then the pdf. only shows four. What do you do about the carrier knob? Why does it show carrier/ mod but in reality all the knobs are used for the preamp and lfo? any help appreciated

thanks, edward

Date: Thu, 16 Jan 2003 17:28:27 -0000
From: "nihiliste9 "
Subject: question about the wiring diagram for RMP1B

Hi all, sorry to be asking about this. I was wondering what was going on with points E,F,G,H, and I. Where are they going to? are those Jacks or additional pots? and point J I do not understand the diode thing. I bought the full kit, but there were no diodes. am I missing something?

any help is appreciated. thanks
edward

Date: Mon, 31 Mar 2003 17:09:53 -0700 (MST)
From: "Blitzcraig"
Subject: ring mod help, again

hey all,

I just got around to wiring up the ring mod kit, but I'm having a lot of problems. The wiring does not fit the description on the panel, i.e. there is an extra hole for a pot, but not show in the wiring diagram. The LFO output is not labeled, along with some other weird shit. Ok, so I wired everything as best as I could, had to make another hole for LFO out jack because I'm using the two upper right holes for the SPDT switches. I'm extremely confused, and thinking I will never get this working, I can't even get the schematic to print at a readable resolution. The one thing I noticed is that the V+ terminal is somehow connected to the V- terminal (through a continuity test), but I have no idea how, I checked all my solder joints and nothing is touching that shouldn't be. Everything that was labeled ground on the wiring, I wired and stuffed together into the screw holes. I tested for continuity and they are all connected to the gnd pin. I am using the PAIA 12V +/- supply

Any helpful hints for diagnosing the problem would be appreciated.

-Joe

Date: Sat, 26 Jul 2003 15:40:13 -0400
From: nihiliste9@aol.com
Subject: wiring RMP1b

Does anyone out there have a picture they could send me of the wiring on the rmp1b? I cannot seem to find what I did wrong, but things are not exactly right.

Thanks
Edward

idlefaction
Posted-02/10/2004: 10:29:05 PM

Hi all, tom. :)

I have a RMP-1b that i'm preparing to set up, was wondering if anyone had any tips. the chip's spec sheet makes some recommendations but they are rather vague.
looking forward to getting it going :)

darren

tomg
Posted-02/12/2004: 04:19:07 AM

Put a vco out in the signal in and adjust the carrier null until you can't hear it. Then switch the vco to the mod input and adjust the mod null until you can't hear it or it's as quiet as you can get it and you're done.

yusson France
Posted-02/13/2004: 03:56:37 AM

Hi Darren

Basically, you should set the trimmer first as Tomg explains in his previous message.
Then, feed the two inputs with a pure 1kHz sine with 1Vpp through 220k or 470k resistors (otherwise you'll get a lot of overdrive). Plug an oscilloscope to the output:
there you must see a 2kHz sine, if not adjust the trimmers !

That's about it

Cheers