

From: Michael Pastorcich
To: Ernie Mills
Sent: Tuesday, January 18, 2000 11:50PM
Subject:

Michael Pastorcich <kf4hey~hotmail.com <mills-owen@email, msn.com> Tuesday, January 18, 2000 11:50 PM Re: Can you help?

Hello Ernie,

Sorry for the delay in reply but I have been away on business and did not take the laptop this time.

All the necessary input/output connections for the Ten-Tee Omni 546C (and I also think the A, B and D models) are on the rear panel adjacent to the final amplifier heat sink. These are individual ports using RCA audio plugs. All plugs are plainly labeled in large print.

Audio in/out is via the PATCH IN/OUT plugs. These plugs are in parallel to the mic and speaker output lines. Use of the plugs DOES NOT deactivate the mic input or speaker output lines. The mic should be disconnected from the front panel if the rig is to be switched via VOX.

The PTT input is also an RCA plug and activation is like all other radios, dropping the line to ground switches the rig. I have not built a PTT switch circuit for use on the PC Comm port. Currently I use a simple push on/Push Off switch wired to the PTT plug on the rear panel.

The KEY is also on the rear panel and is also an RCA audio plug.

I strongly recommend that these rigs not be operated above 25-40 watts on PSK31 or other 100% duty cycle mode. These rigs have no cooling fan and the heat sink gets very hot. I burned out the mid-level and final amplifier transistors when I first started PSK and was running >50 watts. I mounted a small 12v brushless DC fan (Radio Shack) on the heat sink for power levels >50 watts. There is a 12volt accessory plug on the rig that is intend for a second VFO or Keyer. This works nicely for the fan and it also uses an RCA audio plug. If that plug is already in use, there is also a 12 volt auxiliary plug on the rear panel of the power supply.

If you like I can take a digital photo of the rear panel and e-mail it to you.

Mike