



This circuit was designed to allow the monitoring of FSK rtty tones, the Kenwood 570 has a design flaw in that it has no way to monitor the rtty output in FSK mode. This circuit allowed me to monitor the rtty tones with no internal mods to the radio.

The chip is a XR-2206 that was used in my first rtty station to send FSK signals, this was before the sound card programs were prevalent and the only choice back then was to either buy or homebrew one, I decided on the latter.

The power is supplied from a small +12 volt accessory power supply that I build. It goes to the audio amp, opto and the 2206 chip.

What is good about the 2206 is that it does not need many external components. The FSK signal comes from my RADIO to CPU interface and goes to pin 9 of the chip. The 2 20k ohm pots adjust the frequency of the rtty tone and they come out on pin 2 and are fed through a .1 cap to the triac opto. I am not sure that a regular opto-transistor will work, as I did not try one.

I had to set up the program to generate PTT on the DTR line (I still used the RTS line for PTT to key the transmitter). When PTT is active the rtty tones are passed on to the audio amp.

I haven't had the Kenwood 570 in a few years, but I keep the drawings, as you never know. My rig now is a Yaesu 1000MP and has monitor capabilities on all modes.