

Construction Notes - KK7B Binaural Receiver

Check to be sure all the parts that are in the parts list are in the kit! If any are missing, let me know and I will send the missing part.

I have built up one BIQR kit so far. I started at one end of the PC board and stuffed and soldered the parts one at a time. The two signal paths through the receiver have the same components in each path, so I built each path at the same time. For example, I mounted C1, and then did the corresponding C21.

The diagram that is included is looking down on the parts side of the board. The parts are mounted on the side away from the copyright notice "copyright 1999 KK7B\K7TAU" Watch the orientation of the electrolytic capacitors. The square pad on the PC board is the "+" side of the electrolytic. Be sure to orient the two NE5532 IC's correctly. The TUF-1 mixers (U3 and U4) also need to be oriented correctly. The blue glass bead on the TUF-1 is pin 1 which is the square pad on the PC board. Note that this will cause pin 3 (which is the case ground) to connect to the pad on the PC board that is grounded.

The only frequency dependent components are the front end filter (C43, 44 and L5) and the power divider (L6, 7 and C45, 46) Components are included so that you can build the receiver for 20, 30, or 40 meters.