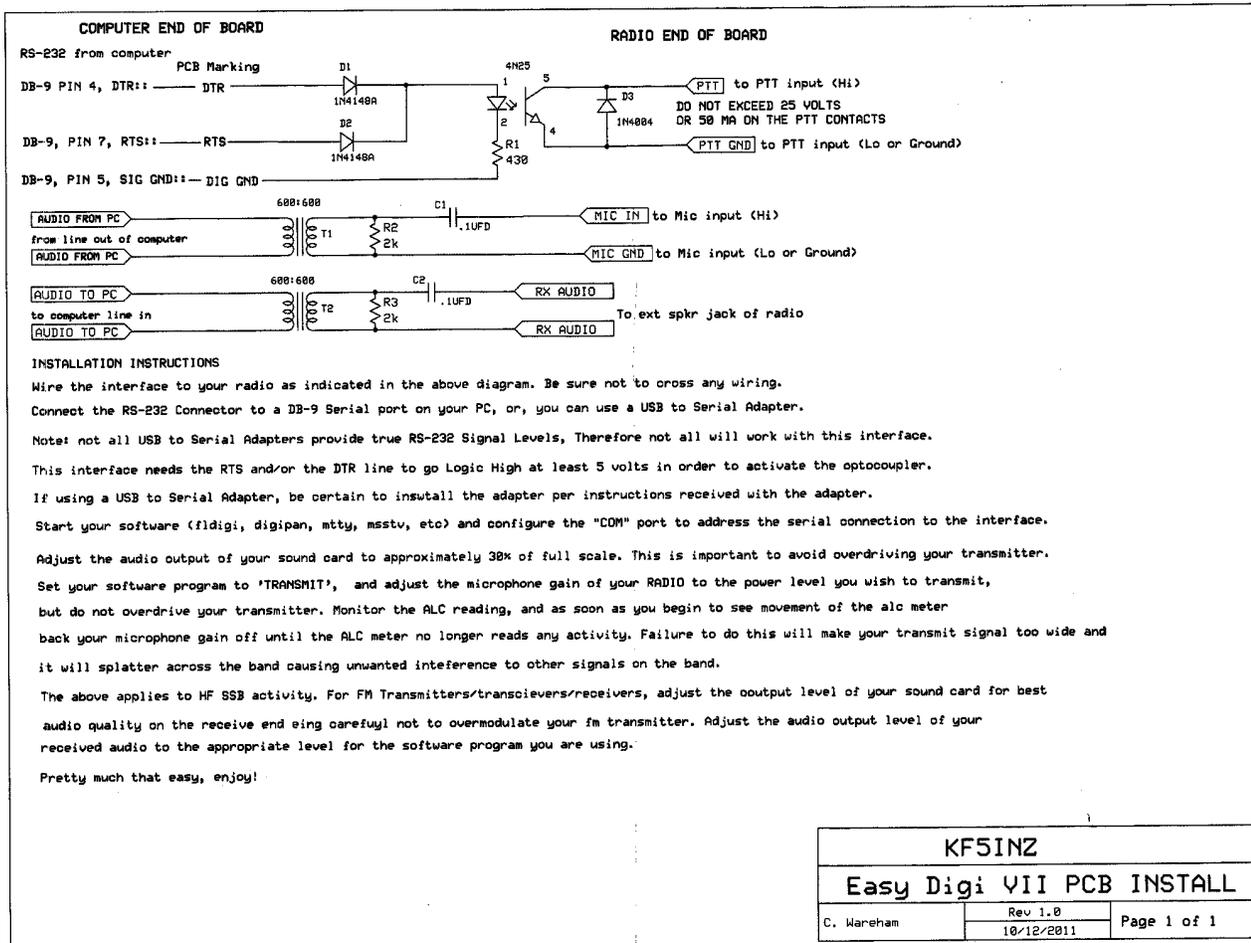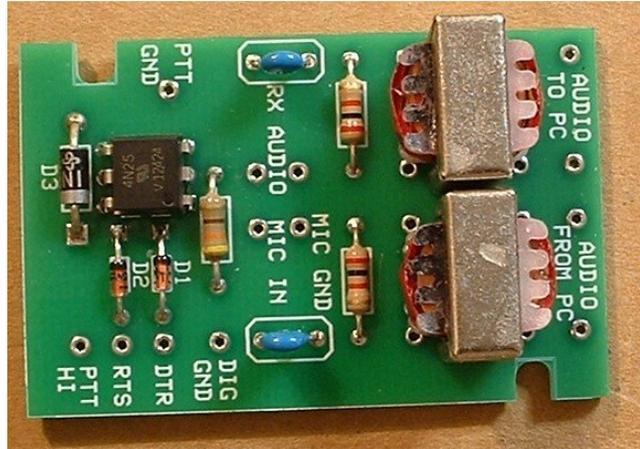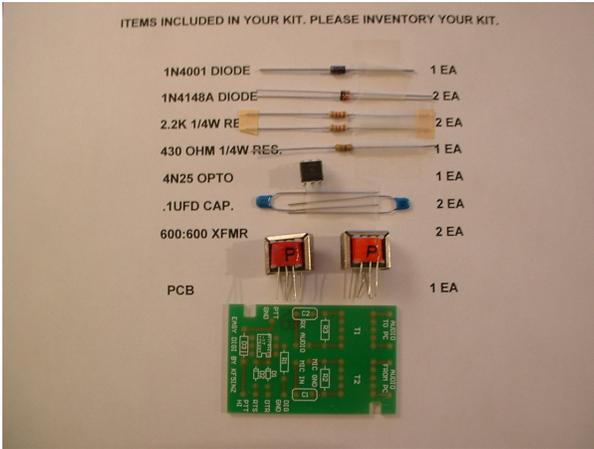# SLARC SOUND CARD INTERFACE PROJECT

The "EASY DIGI" Sound Card Interface PSK RTTY SSTV NBEMS JT-65 PCB KIT can be found on Ebay at:

http://www.ebay.com/itm/221082800840?ssPageName=STRK:MEWNX:IT&_trksid=p3984.m1439.l2649

which describes the interface board very well. The price is $8.95 plus $2 shipping. We will save on the shipping cost and perhaps connectors and other items if we can find them at a bargain. The current plan is to make a group purchase and save on shipping. So far we have 25 hams interested and as soon as we make this offer to hams not yet in AZ, we will initiate the group purchase.

SLARC SOUND CARD INTERFACE PROJECT
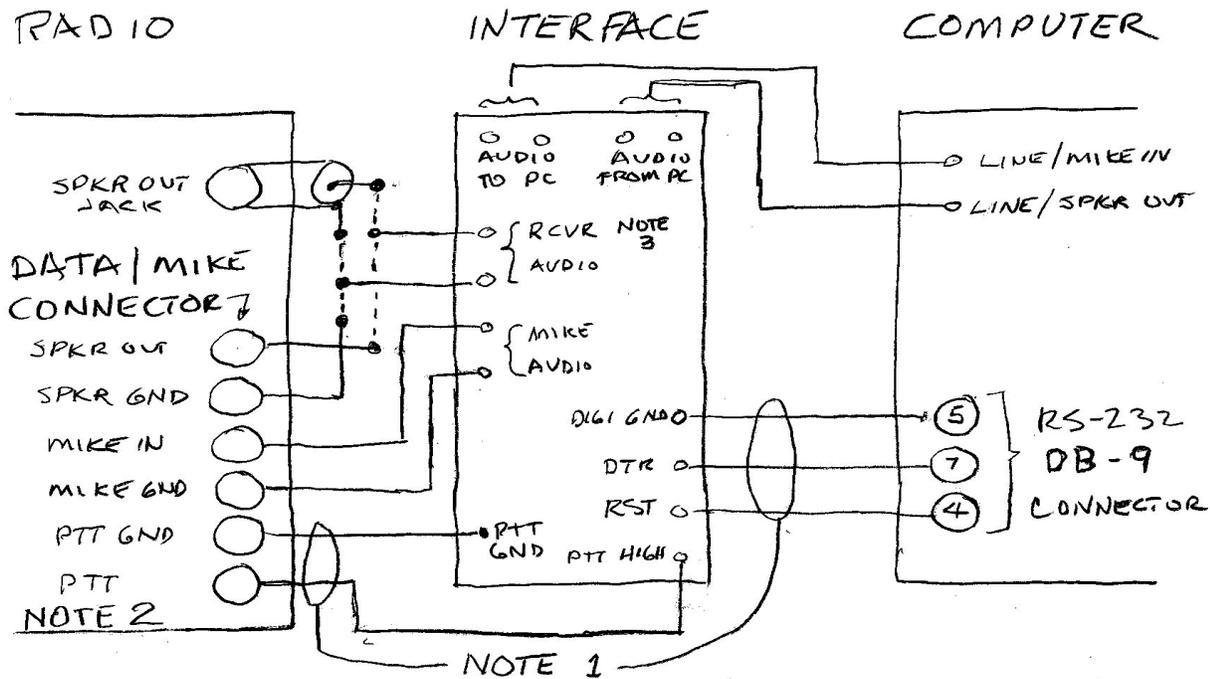
Based on your transceiver and computer chose one of the following options:

1. Keying using the transmitter VOX. This is the simplest method which requires using the mike connector. VOX doesn't work with the data connector input. A few radios have speaker audio on the microphone connector which may be used. The serial connector isn't used as shown in Note 1 above. To use your transceiver for SSB the interface speaker and microphone connectors must be disconnected from your radio.

2. Keying using the DB-9 computer serial connector. If your computer has a serial port this is probably the best method to use. It is the easiest to setup as the computer software does the transmitter keying. Most newer computers don't have a serial connector, however a USB to serial converter can be used but this increases to the setup complexity. If the data connector is used the speaker and microphone may remain connected during digital communications. This option allows use of the microphone or data connectors on the transceiver. The data connector may remain plugged in when using SSB.

Determine the correct connectors and wiring for you transceiver.
The connections required for your radio can be obtained from the radio manual. It can also be obtained from the Signal Link USB web site, http://www.tigertronics.com/sl_wirebm.htm which is a good double check. Write the pin numbers in the schematic above.

Get the correct parts.
Obtain the necessary data or microphone connector for you radio. RG-174 cable should be used for line in, line out and speaker and is available through the club. Use stereo connectors and only connect the tip's. RJ-45 8 contact microphone connectors and crimping tool are available through the club. A very small Radio Shack plastic box is available to house the interface.

Assembly.
I plan to firm up the number of units to order and be ready for assembly in January. Assembling them in Red Mountain park sounds pretty good to me.

Installing and testing.
I have tested one using my Icom 706 and Icom 7000, on a Vista Laptop and Desktop. They work great but the VOX is a bit tricky to set up. More later.