SERIAL PTT & CAPACITOR INTERFACE 11/29/20
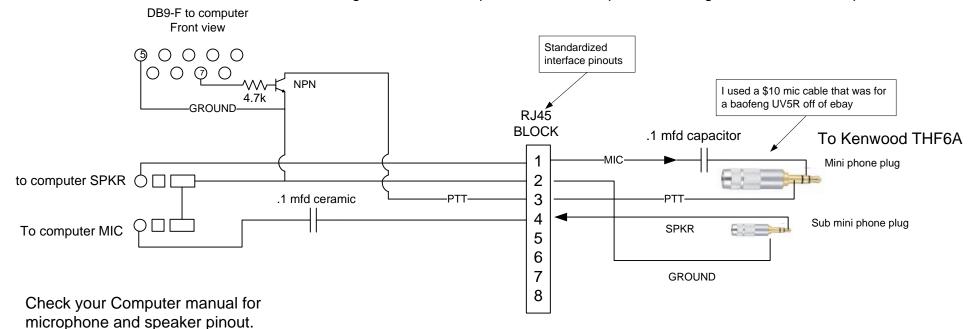See other wiring interfaces at https://www.hawaiirepeaters.net/signalink%20switches.pdf

DB9-F to computer
Front view

⑤ ○ ○ ○ ○
○ ○ ⑦ ○

4.7k

NPN

GROUND

Standardized
interface pinouts

I used a $10 mic cable that was for
a baofeng UV5R off of ebay

RJ45
BLOCK

.1 mfd capacitor

To Kenwood THF6A

to computer SPKR

.1 mfd ceramic

PTT

| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |

MIC

Mini phone plug

PTT

To computer MIC

SPKR

Sub mini phone plug

GROUND

Check your Computer manual for
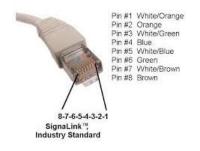microphone and speaker pinout.

WARNING use at your own risk as this
is a simplified interface without level
limits in either direction that was tested
and used on HP Pavilion computers
with a generic USB to DB9 serial
adapter

This adapter does not use isolated
ground between radio and computer.

EXAMPLE SET UP:
1) I set computer spkr slider for 30
2) VARA PTT select your comm port #
3) start with minimal radio spkr output level
then increase

Pin #1 White/Orange
Pin #2 Orange
Pin #3 White/Green
Pin #4 Blue
Pin #5 White/Blue
Pin #6 Green
Pin #7 White/Brown
Pin #8 Brown

8-7-6-5-4-3-2-1
SignaLink™,
Industry Standard

This wiring works on

Baofeng UV5RA
Baofeng UV5RE
Baofeng BTECH DMR 6x2
Kenwood TH-F6A
TYT MD UV 380