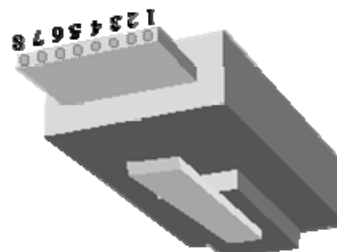
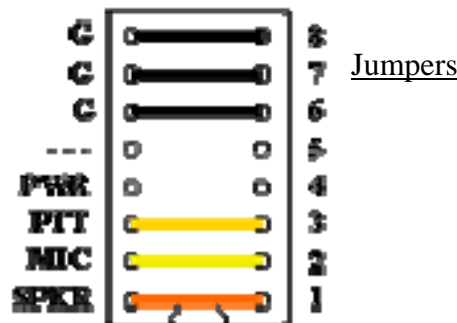
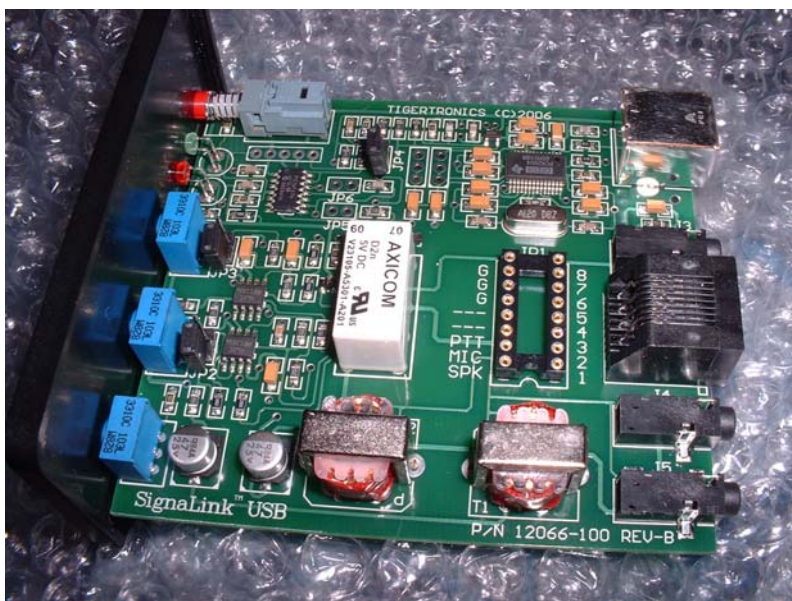


SIGNALINK USB CONNECTING TO A KENWOOD TS-2000S/X/B



Signalink™ Cable #SLCAB13K

This cable is compatible with all Kenwood 13-pin Accessory Ports. To use this cable with your radio you will need to install the Signalink jumper wires according to one of the diagrams shown below:

<table border="0"> <tr><td>G</td><td>○</td><td>8</td></tr> <tr><td>G</td><td>○</td><td>7</td></tr> <tr><td>G</td><td>○</td><td>6</td></tr> <tr><td>---</td><td>○</td><td>5</td></tr> <tr><td>PWR</td><td>○</td><td>4</td></tr> <tr><td>PTT</td><td>○</td><td>3</td></tr> <tr><td>MIC</td><td>○</td><td>2</td></tr> <tr><td>SPKR</td><td>○</td><td>1</td></tr> </table>	G	○	8	G	○	7	G	○	6	---	○	5	PWR	○	4	PTT	○	3	MIC	○	2	SPKR	○	1	<table border="0"> <tr><td>G</td><td>○</td><td>8</td></tr> <tr><td>G</td><td>○</td><td>7</td></tr> <tr><td>G</td><td>○</td><td>6</td></tr> <tr><td>---</td><td>○</td><td>5</td></tr> <tr><td>PWR</td><td>○</td><td>4</td></tr> <tr><td>PTT</td><td>○</td><td>3</td></tr> <tr><td>MIC</td><td>○</td><td>2</td></tr> <tr><td>SPKR</td><td>○</td><td>1</td></tr> </table>	G	○	8	G	○	7	G	○	6	---	○	5	PWR	○	4	PTT	○	3	MIC	○	2	SPKR	○	1
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Figure 1 - This configuration is for early Kenwood radios such as the TS-450, TS-570, and TS-870. Some newer radios will also work with these settings (TS-2000, etc.).

Figure 2 - This configuration is for newer radios such as the TS-690. These settings are identical to Figure 1, except for the PTT jumper, which has been replaced by a diode module (supplied).

If your radio is not listed in Figure 1 or Figure 2, then you will need to try both jumper settings to determine which PTT configuration your radio requires. We suggest that you try the settings in Figure 1 first. Note that your radio will **NOT** be damaged if you install the PTT jumper using the wrong configuration - you just won't be able to transmit!

After you have installed the jumpers, be sure to set the sound card audio levels as outlined in the Signalink manual. If you do not set the levels correctly, then the Signalink may not transmit, and you might mistake the problem for incorrect jumper settings.

Signalink	Wire Color	Kenwood
Pin #1	White/Orange	Pin #3
Pin #2	Orange	Pin #11
Pin #3	White/Green	Pin #9
Pin #4	Blue	Pin #13
Pin #5	White/Blue	NC
Pin #6	Green	Pin #4
Pin #7	White/Brown	Pin #8
Pin #8	Brown	Pin #12

Figure 3 - Cable Wiring Diagram

The above picture also shows the 2 diode jumper - Supplied for other Kenwood Models put in an Unused hole for safe keeping only (Jumper 4 left - 1 end only)

Use the **ACC 2** connector to connect the input/output lines from a Terminal Node Controller (TNC) for Packet operation, a Multimode Communications Processor (MCP) for operation on Packet, PacTOR, AMTOR, G-TOR™, PSK31, or FAX, or from a Clover interface. Also use the **ACC 2** connector to connect SSTV and phone patch equipment.

- Connect the TNC or MCP to the **ACC 2** connector using a cable equipped with a 13-pin DIN plug.
- Connecting the TNC or MCP to a personal computer or dumb terminal requires an RS-232C cable. -X

Note: Do not share a single power supply between the transceiver and the TNC or MCP. Keep as wide a separation as possible between the transceiver and the computer to reduce noise-pickup by the transceiver.



ACC2
Front view
(Rear panel)

Pin No.	Pin Name	Function
1	SANO	AF output from the sub-receiver • Connect to the TNC or MCP receive data pin for digital operation. • AF output level is independent from SUB AF control setting. • AF output level can be changed by adjusting the Menu No. 50D value. • Output impedance: Approx. 10 kΩ.
2	RTTY	RTTY key input
3	MANO	AF output from the main transceiver • Connect to the TNC or MCP receive data pin for digital operation. • AF output level is independent from the MAIN AF control setting. • AF output level can be changed by adjusting the Menu No. 50C value. • Output impedance: Approx. 10 kΩ.
4	GND	Ground
5	MSQ	Main transceiver squelch control • Connect to the TNC or MCP squelch control pin for digital operation. • Prevents the TNC from transmitting while the transceiver squelch is open. • Squelch open: Low impedance • Squelch closed: High impedance
6	NC	No connection
7	SSQ	Sub-receiver squelch control • Connect to the TNC or MCP squelch control pin for digital operation. • Prevents the TNC from transmitting while the transceiver squelch is open. • Squelch open: Low impedance • Squelch closed: High impedance
8	GND	Ground
9	PKS	Transceiver PTT line control • Ground this terminal to transmit. • Connect to the TNC or MCP transmit/ receive switching pin for digital operation. • Microphone audio input mutes when the transceiver transmits.
10	NC	No connection
11	PKD	Microphone audio input • Connect to the TNC or MCP transmit data pin for digital operation.
12	GND	Ground
13	SS	PTT control • Ground this terminal to transmit. • For connecting a footswitch or other external controller (in parallel with MIC jack). • Microphone audio input does NOT mute when the transceiver transmits.

TS-2000 SETTINGS

Menu Setting

Menu 20	RX Equalizer = Off
Menu 21	TX Equalizer = Off
Menu 22	Filter Bandwidth for SSB or AM = 3.0 khz
Menu 46	Main/Sub Band; Built-In TNC = Main
Menu 50	Packet:
SubMenu	50A Packet Filter Bandwidth = Off
Menu 55	, Packet Operation = Off
Menu 56	, Comm Connector Parameters = 9600 bps*