

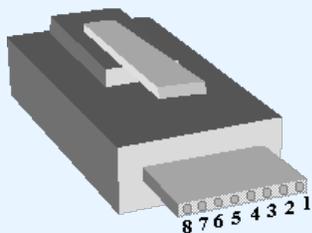
Signalink Jumper Settings & Wiring Information For Base & Mobile Radios

Warning: Tigertronics has not verified the accuracy of all of the radio wiring information that is provided here. This information is provided for reference only and is NOT intended to replace the jumper installation procedure in the "Connecting The Radio" section of the Signalink Installation Manual. It is essential that you double-check this information against your radio's manual before doing the actual installation. While it is fairly simple to install the Signalink, it is possible to DAMAGE YOUR RADIO or the Signalink by incorrectly installing it!

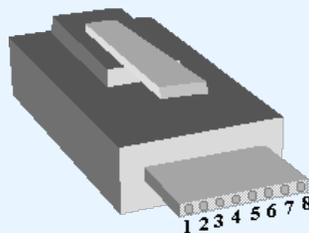
Updated: March 13, 2009

IMPORTANT NOTES

- **Signalink USB Users** - The Signalink USB is always powered by the computer's USB jack. When installing the jumpers for the Signalink USB using the settings shown here and in our other documentation, please disregard the PWR jumper. All other jumper settings are the same. Note that if you mistakenly install the PWR jumper, it will make no difference in the operation of the unit as this pin is not internally connected.
- **Select The Correct Diagram** - When viewing the jumper settings below, **BE CERTAIN THAT YOU ARE LOOKING AT THE CORRECT DIAGRAM** for the radio connector that you will be using. For any given radio, there are likely to be a different jumper settings for the Mic, Data and Accessory Port connectors.
- **Jumper Wire Color** - The jumper wires in the diagrams below are shown in color for illustrative purposes only. The color of the wires means nothing - they're just easier to see! The actual jumper wires that are included with the Signalink are all the same color and can be used to jumper any signal.
- **RJ-45 Mic Connectors** - There is a lack of standardization in the way that radio manufacturers number their RJ-45 mic connectors. We have numbered our connector according to the dominant industry standard (as shown below), and all jumper settings shown in our documentation reflect this standard. Icom and Radio Shack follow this standard, but Kenwood, Yaesu and some others do not. If your radio is not shown below and you need to figure out your own jumper settings, then you will need to carefully determine how *your* mic connector is numbered to avoid reversing connections!



Signalink™, Industry Standard



Kenwood, Yaesu, Some Others

- **PTT** - You should verify in your radio manual that the radio PTT requirements do not exceed the specifications of the Signalink keying circuit (please refer to the Signalink manual) and that the PTT line is "Grounded" to make the radio transmit. If your radio exceeds the specifications listed or requires some other keying arrangement, then please contact our Technical Support Staff for suggestions.
- **POWER** - The Signalink SL-1 and SL-1+ can usually be powered by the Accessory Voltage found on the Mic and Accessory Port connectors of most radios. If power is not shown in the jumper settings for your radio, then consult your radio manual to see if it is available. The Signalink SL-1 and SL-1+ requires **6.75 to 15 VDC** at 13ma (nominal). If this power is not available from your radio, then you will need to power the Signalink SL-1 or SL-1+ externally (see the Signalink manual for details). **Note that the Signalink USB is always powered by the computer, so you can disregard the PWR jumper when installing this unit.**
- **RECEIVE AUDIO / SPEAKER AUDIO** - Receive Audio is available on the Mic, Data, and Accessory Port connectors of most radios. If Receive Audio is not shown in the jumper settings for your radio, then consult your radio manual to see if it is available. If it is not, then you will need to connect a mono cable between your radio's External Speaker or headphone jack, and the "Speaker" jack on the back of the Signalink. See the Signalink Installation Manual for details.

SELECT A MANUFACTURER

NOTE: Please read the "Important Notes" above BEFORE you select your jumper settings. This will save time and may help prevent you from making a mistake that could possibly damage the Signalink or your radio. Note that the Signalink USB does NOT use the PWR jumper wire, so you can disregard this jumper during installation. All other jumper settings are the same.

ADI	Alinco	Azden	Drake	Elecraft
ICOM	JRC	Kenwood	Midland	Radio Shack
SGC	Ten-Tec	Yaesu		

ADI

8-Pin Round Mic Connector (use SLUSB8R, SL1+8R, SL1-8R or SLCAB8R)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input Pin 2 - PTT Pin 3 - N/C Pin 4 - N/C Pin 5 - N/C Pin 6 - Speaker** Pin 7 - N/C Pin 8 - GND	AR-146/147/446	**Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

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ALINCO

8-Pin Round Mic Connector (use SLUSB8R, SL1+8R, SL1-8R or SLCAB8R)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input Pin 2 - PTT Pin 3 - N/C Pin 4 - N/C Pin 5 - N/C Pin 6 - N/C** Pin 7 - GND Pin 8 - GND	ALD-24T ALR-22T/22HT/72T DR-110T/112T DR-130T/135E/135T DR-150/235T DR-430T/435E/435T DR-510T/570T DR-590T/592T/599T DR-600T/610E/610T DR-620E/620T DX-70T/70TH/70EH DX-77	**Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

RJ-45 Mic Connector (use SLUSB RJ4, SL1+RJ45, SL1-RJ45 or SLCAB RJ4)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - N/C Pin 2 - N/C Pin 3 - N/C Pin 4 - PTT Pin 5 - Mic GND Pin 6 - Mic Input Pin 7 - GND Pin 8 - N/C	DR-605E/605T	Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

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AZDEN

8-Pin Round Mic Connector (use SLUSB8R, SL1+8R, SL1-8R or SLCAB8R)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input Pin 2 - GND Pin 3 - N/C Pin 4 - N/C Pin 5 - N/C Pin 6 - N/C Pin 7 - PTT Pin 8 - N/C	PCS 5000/6000 PCS 7000	Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

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DRAKE

4-Pin Round Mic Connector (use SLUSB4R, SL1+4R, SL1-4R or SLCAB4R)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Mic Input Pin 2 – PTT Pin 3 – N/C Pin 4 – GND	TR-7/22/33 UV-3	Power is not available on this connector, so you will need to use external power for the SignalLink Model SL-1+.

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Elecraft

8-Pin Round Mic Connector (use SLUSB8R, SL1+8R, SL1-8R or SLCAB8R)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Pin 2 - PTT Pin 3 - NC Pin 4 - NC Pin 5 - NC Pin 6 - +5VDC Pin 7 - GND Pin 8 - GND	K2 K3	The Mic jack on the K2 can be wired a number of different ways, so before installing the jumper wires, you MUST verify that the pin-out of your K2 matches that shown here. Sufficient power is not available on this connector, so you will need to use external power for the SignalLink Model SL-1+.

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ICOM

4-Pin Round Mic Connector (use SLUSB4R, SL1+4R, SL1-4R or SLCAB4R)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Mic Input Pin 2 – PTT Pin 3 – N/C Pin 4 – GND	IC-22/202/215 IC-245/280/402/502 IC-551 IC-701	Power is not available on this connector, so you will need to use external power for the SignalLink Model SL-1+.

8-Pin Round MIC Connector (use SLUSB8R, SL1+8R, SL1-8R or SLCAB8R)

IMPORTANT: This diagram is for the MIC JACK only. If the SignalLink is attached to your radio's 8-pin Accessory Port, then please see the diagram below under "8-pin DIN Accessory Port Connector".

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Mic Input Pin 2 – N/C** Pin 3 – N/C Pin 4 – N/C Pin 5 – PTT Pin 6 – GND Pin 7 – GND Pin 8 – Speaker**	IC-1201/1271/1275 IC-22U/25/27/28 IC-228/229/251AE IC-255/260/271/290 IC-2400/2500 IC-37A/38A/375 IC-3200/3210/3220 IC-45/47/48 IC-471/475/490 IC-505/551/560/575 IC-707/718/720/725/726 IC-728/729/730/735 IC-736/737/738/740/745 IC-746/746PRO	**Speaker audio (usually Pin #8) and power (usually Pin #2) are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

IC-756/756PRO
 IC-756PROII/PROIII
 IC-7400/7700/7800
 IC-751/761/765/775/781
 IC-820H/901/910

RJ-45 Mic Connector (use SLUSB RJ4, SL1+RJ45, SL1-RJ45 or SLCABRJ4)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – +8V**	IC-207H**/208H**	**Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers. **Speaker Audio is NOT available on the Mic jack of this radio.
	Pin 2 – N/C	IC-281A/281E/281H	
	Pin 3 – Speaker**	IC-703/706/706MKII	
	Pin 4 – PTT	IC-2000	
	Pin 5 – GND (mic)	IC-2100H**/2200H**	
	Pin 6 – Mic Input	IC-2700**/2720H**	
	Pin 7 – GND	IC-2800**/2820**	
	Pin 8 – N/C	IC-7000** IC-V8000** ID-800H**	

6-pin Mini DIN Data Port Connector (use SLUSB6PM, SL1+6PMD or SLCAB6PM)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Data In	IC-207H/208H	For special signals requiring unfiltered "discriminator" audio, you will need to move the "SPKR" jumper to pin #4 (9600 baud output). Note that some newer radios do NOT provide this output, so this may not apply to your radio. Power is not available on any 6-pin mini DIN Data Port, so you will need to use external power for the Signalink Model SL-1+. **IC-706MKIIG - If you are using the Data Port on this radio, then you must set menu #29 "9600 Mode" to 1200. **Mic audio is NOT muted on this radio.
	Pin 2 – Ground	IC-2720H	
	Pin 3 – PTT	IC-2800**	
	Pin 4 – 9600 Out	IC-2820	
	Pin 5 – 1200 Out	IC-703/706MKIIG**	
	Pin 6 – Squelch	IC-746PRO IC-7000 / 7400 IC-910H	

8-pin DIN Accessory Port Connector (use SLUSB8PD, SL1+8PD or SLCAB8PD)

IMPORTANT: This diagram is for the ACCY PORT only. If the Signalink is attached to your radio's 8-pin Round Mic Jack, then please see the diagram above under "8-Pin Round MIC Connector".

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - RTTY or N/C	IC-275A IC-707	IC-756PRO users should use digital mode "D-USB" or "D-LSB". **Some customers have reported that the IC-746 (early model only) does NOT mute the Mic when keyed from the Accy Port. If this is the case with your radio, then you will need to turn the radio's Mic Gain down and/or unplug the microphone. **Due to the design of the IC-746PRO, this jack does NOT
	Pin 2 - Ground	IC-725/728/729	
	Pin 3 - Send	IC-735/736/737	
	Pin 4 - Mod In	IC-7400	
	Pin 5 - AF Out	IC-746**	
	Pin 6 - Squelch	IC-746PRO**	
	Pin 7 - +13.8V	IC-756 / 756PRO IC-756PROII / III	
	Pin 8 - ALC	IC-761/765 IC-775/775DSP IC-781 IC-7700/7800 IC-820H/821H IC-910H	

		IC-M700PRO IC-M710 IC-M802	support VHF operation. If you want to operate both HF and VHF, then you'll need to use the 6-pin mini-DIN Data Port instead. **IC-746PRO users should use "USB/LSB Data" mode (not regular USB/LSB). IC-820H users need to set the Modulation Input Sensitivity switch to "Low", and the Baud Rate Selection switch to "AMOD".
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13-pin DIN Accessory Port Connector (use SLUSB13I, SL1+13PI or SLCAB13I)

<p>JP-1</p>	<p>Pin-out Tigertronics manufactures a special cable for ICOM 13-pin Accessory Ports. If you would like to build your own 13-pin cable (not recommended!), please contact our Technical Support Staff for pin-out and wiring information.</p>	<p>Radio Models IC-703 IC-706/706MKII IC-706MKIIG IC-718 IC-7000**</p>	<p>Notes For VHF operation on the IC-706 and IC-706MKII you will need to move the PTT jumper to Pin #4. For VHF/UHF operation on the IC-706MKIIG and IC-7000, you should turn the following menu item to OFF: Item #30 for IC-706MKIIG Item #20 for IC-7000 This will force the radio to use the same PTT pin for all bands so will not need to change the SignalLink's jumper settings. **This radio does NOT mute the Mic jack when using the Accy Port, so you will need to turn the Mic Gain down, or use the 6-pin Mini Din Data Port instead.</p>
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24-pin DIN Accessory Port Connector - Tigertronics does not manufacture a cable for the ICOM 24-pin Accessory Port connector, but you can easily build one using our un-terminated radio cable (p/n SLCABNC). To build your cable, simply wire it straight-through for pin numbers 1-8 (Pin #1 to Pin #1, Pin #2 to Pin #2, etc.). Note that your cable MUST be wired straight-through or the jumper settings shown below will NOT work, and you might **DAMAGE YOUR RADIO OR THE SIGNALINK!**

<p>JP-1</p>	<p>Pin-out Pin 1 - NC Pin 2 - +13.8V Pin 3 - PTT Pin 4 - AF Out Pin 5 - Mic Input Pin 6 - NC Pin 7 - NC Pin 8 - GND Pins 9-24 NC</p>	<p>Radio Models IC-251AE IC-730/751</p>	<p>Notes Pins marked as "NC" are not used by the SignalLink, but might be connected internally inside the radio.</p>
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Japan Radio Company

8-Pin Round Mic Connector (use SLUSB8R, SL1+8R, SL1-8R or SLCAB8R)

JP-1	Pin-out	Radio Models	Notes
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	Pin 1 - N/C	JST-145/245
	Pin 2 - N/C	
	Pin 3 - N/C	
	Pin 4 - +9V	
	Pin 5 - GND	
	Pin 6 - PTT	
	Pin 7 - Mic GND	
	Pin 8 - Mic Input	

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KENWOOD

4-Pin Round Mic Connector (use [SLUSB4R](#), [SL1+4R](#), [SL1-4R](#) or [SLCAB4R](#))

<p style="text-align: center;">JP-1</p>	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input	TR-7200A	Power is not available on this connector, so you will need to use external power for the Signalink Model SL-1+.
	Pin 2 - PTT	TR-7400A	
	Pin 3 - GND	TR-7500	
	Pin 4 - Mic GND	TS-120S/130S/180S	
		TS-511S/520/530	
		TS-600/700/820/830	

8-Pin Round Mic Connector (use [SLUSB8R](#), [SL1+8R](#), [SL1-8R](#) or [SLCAB8R](#))

<p style="text-align: center;">JP-1</p>	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input	TM-201/211/221/231	**Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.
	Pin 2 - PTT	TM-241/2530/2550	
	Pin 3 - N/C	TM-2570	
	Pin 4 - N/C	TM-321/331/3530/401	
	Pin 5 - 8 VDC**	TM-421/431/441/521	
	Pin 6 - Speaker**	TM-531/541/621/631	
	Pin 7 - Mic GND	TM-701/721/731	
Pin 8 - GND	TR-50/751/851		
	TS-50/60/140/430/440		
	TS-450/570/660/670		
	TS-680/690/701/711		
	TS-780/790/811/850		
	TS-870/930/940/950		
	TS-2000		
	TW-4000/4100		

RJ-45 Mic Connector (use [SLUSB RJ4](#), [SL1+RJ45](#), [SL1-RJ45](#) or [SLCAB RJ4](#))

<p style="text-align: center;">JP-1</p>	Pin-out	Radio Models	Notes
	Pin 1 - NC	TM-251/255/261/271/451	**Speaker audio and power are available on some models. Check your radio manual for availability of these features and add the appropriate jumpers.
	Pin 2 - Speaker**	TM-455/461/641/642	
	Pin 3 - Mic	TM-732/733/741/742	
	Pin 4 - GND	TM-941/942	
	Pin 5 - PTT	TM-D700/700A	
	Pin 6 - GND	TM-D710/710A/E	
	Pin 7 - +8V**	TM-G707	
Pin 8 - NC	TM-V7A/V71A		
	TS-480HX/SAT		

6-pin Mini DIN Data Port Connector (use [SLUSB6PM](#), [SL1+6PMD](#) or [SLCAB6PM](#))

<p style="text-align: center;">JP-1</p>	Pin-out	Radio Models	Notes
	Pin 1 - Data In	TM-251	For special signals requiring unfiltered "discriminator" audio, you will need to move the "SPKR" jumper to pin #4 (9600 baud)
	Pin 2 - Ground	TM-271**/271A**	
	Pin 3 - PTT	TM-451	
Pin 4 - 9600 Out	TM-D700/700A		

	<p>Pin 5 – 1200 Out Pin 6 – Squelch</p>	<p>TM-D710/710A/E TM-G707 TM-V7/V7A/V71A TS-480HX/SAT</p>	<p>output). Note that some newer radios do NOT provide this output, so this may not apply to your radio.</p> <p>Power is not available on any 6-pin mini DIN Data Port, so you will need to use external power for the Signalink Model SL-1+.</p> <p>**Only European models of the TM-271 and TM-271A have the 6-pin mini-DIN Data Port. All other models will need to use the RJ-45 Mic cable.</p>
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13-pin DIN Accessory Port Connector (use SLUSB13K, SL1+13PK or SLCAB13K) Our 13-pin cable works with **ALL** Kenwood radio's that have a 13-pin Accessory Port, however there are two possible jumper settings. 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. **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. Note that external power is required for the Signalink Model SL-1+.

Figure 1	Figure 2	Notes
<p>This configuration is the most common and works with early Kenwood radios such as the TS-140, TS-450S, TS-870 and TS-950. Some newer radios such as the TS-570D and TS-2000/X also use these settings.</p>	<p>This configuration is less common and is used by some newer radios (TS-690 for example) and some older radios such as the TS-440. These settings are identical to those in Figure 1, except for the PTT jumper, which has been replaced by a diode module (supplied with cable).</p>	<p>TS-2000 users should set Menu 50F to 1200 Baud. Menu 50B can be used to increase the radio's power output if it is too low. We suggest that you change these menu items even if they already appear to be set correctly. Set 50B to zero, and then to five. Set 50F to 9600, and then to 1200. To increase the Receive Audio Level on the TS-2000, you can adjust menu 50C.</p> <p>TS-570 users should set Menu #33 to 1 or 2 (a setting of zero will result in no transmit power). Menu #34 should be set at 4-5 and can be increased to provide more Receive Audio if needed.</p> <p>TS-940 users need to use the jumper settings shown in figure 1, except for the PTT jumper. The PTT jumper should be connected to pin #4 instead of pin #3.</p> <p>TS-440 users please note that your radio's Mic Gain control will affect your power output. We suggest setting this control to 50% and then adjust it as needed so that the Signalink's TX knob can be used to adjust the power output properly.</p>

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MIDLAND

4-Pin Round Mic Connector (use SLUSB4R, SL1+4R, SL1-4R or SLCAB4R)

<p>JP-1</p>	<p>Pin-out Pin 1 – Mic Input Pin 2 – GND Pin 3 – N/C Pin 4 – PTT</p>	<p>Radio Models 13-510</p>	<p>Notes Power is not available on this connector, so you will need to use external power for the Signalink Model SL-1+.</p>
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RADIO SHACK

RJ-45 Mic Connector (use SLUSBRJ4, SL1+RJ45, SL1-RJ45 or SLCABRJ4)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - N/C Pin 2 - GND Pin 3 - N/C Pin 4 - N/C Pin 5 - Mic Input Pin 6 - PTT Pin 7 - N/C Pin 8 - N/C	HTX-212 HTX-242	Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

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SGC

8-Pin Round Mic Connector (use SLUSB8R, SL1+8R, SL1-8R or SLCAB8R)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Pin 2 - PTT Pin 3 - NC Pin 4 - NC Pin 5 - NC Pin 6 - RX Audio Pin 7 - Mic GND Pin 8 - GNC	SGC-2020	Power is not available on this connector, so you will need to use external power for the SignalLink Model SL-1+.

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TEN-TEC

4-Pin Round Mic Connector (use SLUSB4R, SL1+4R, SL1-4R or SLCAB4R)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input Pin 2 - GND Pin 3 - PTT Pin 4 - N/C	Pegasus	These jumper settings work with most Ten-Tec Mic jacks (not just the Pegasus). However you should verify that your radio has the same pin-out before installing them. Power is not available on this connector, so you will need to use external power for the SignalLink Model SL-1+.

5-Pin DIN Accessory Connector - (use SLUSB5PD, SL1+5PD, or SLCAB5PD)

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input Pin 2 - GND Pin 3 - PTT Pin 4 - AF Output Pin 5 - NC	Argonaut V Jupiter Omni VII Pegasus	The Ten-Tec Jupiter must be in "Line" to use the ACCY jack (set in radio menu). Power is not available on this connector, so you will need to use external power for the SignalLink Model SL-1+.

8-Pin DIN Accessory Connector - **Orion & Orion II Only** (use SLUSB8PD, SL1+8PD, or SLCAB8PD)

JP-1	Pin-out	Radio Models	Notes
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	<p>Pin 1 - Aux In Pin 2 - GND Pin 3 - PTT Pin 4 - Line Out** Pin 5 - NC Pin 6 - Line Out** Pin 7 - FSK Pin 8 - NC</p>	<p>Orion Orion II</p> <p>TEN-TEC Delta II Users: Our 8-pin DIN cable is NOT compatible with the TEN-TEC Delta II. You must connect the Signalink to this radio's 4-pin Mic jack.</p>	<p>**On the original Orion, the "Audio" menu determines what audio is available on pins 4 and 6, so the SPKR jumper will need to be set accordingly.</p> <p>**On the Orion II, Pin #4 is ALWAYS the audio output.</p> <p>Power is not available on this connector, so you will need to use external power for the Signalink Model SL-1+.</p>
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YAESU

4-Pin Round Mic Connector (use SLUSB4R, SL1+4R, SL1-4R or SLCAB4R)

<p>JP-1</p>	<p>Pin-out Pin 1 - GND Pin 2 - Mic Input Pin 3 - PTT Pin 4 - N/C</p>	<p>Radio Models</p>	<p>Notes Power is not available on this connector, so you will need to use external power for the Signalink Model SL-1+.</p>
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8-Pin Round Mic Connector (use SLUSB8R, SL1+8R, SL1-8R or SLCAB8R)

<p>JP-1</p>	<p>Pin-out Pin 1 - N/C Pin 2 - N/C Pin 3 - N/C Pin 4 - N/C Pin 5 - N/C Pin 6 - PTT Pin 7 - GND Pin 8 - Mic Input</p>	<p>Radio Models FT-747/757 FT-757GX/767GX FT-840 FT-847** FT-890** FT-920** FT-950** FT-990** FT-1000/1000D** FT-1000MP** FT-2200 FT-5100</p>	<p>Notes **On the FT-890, FT-990, FT-1000 and the FT-1000D, you should also jumper Pin #2 and Pin #5 to Ground.</p> <p>**On the FT-847, FT-920, FT-950 and FT-1000MP, you should also jumper Pin #5 to Ground.</p> <p>Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
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RJ-11 Mic Connector (use SLUSBRJ1, SL1-RJ11, SL1+RJ11 or SLCABRJ1)

<p>JP-1</p>	<p>Pin-out Pin 1 - N/C Pin 2 - N/C Pin 3 - +9V Pin 4 - GND Pin 5 - Mic Input Pin 6 - SW1 Pin 7 - N/C Pin 8 - N/C</p>	<p>Radio Models FT-100** FT-1500M FT-1802 FT-2800M FT-7800R</p>	<p>Notes **With the FT-100, the PTT jumper MUST be replaced with a standard 1/4 watt 27k resistor.</p> <p>Other Yaesu models with an RJ-11 Mic jack might also use these same settings (check your radio manual).</p>
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RJ-45 Mic Connector (use SLUSBRJ4, SL1+RJ45, SL1-RJ45 or SLCABRJ4)

<p>JP-1</p>	<p>Pin-out</p>	<p>Radio Models</p>	<p>Notes</p>
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	<p>Pin 1 – N/C Pin 2 – Speaker Pin 3 – PTT Pin 4 – Mic Input Pin 5 – GND Pin 6 – N/C Pin 7 – N/C Pin 8 – N/C</p>	<p>FT-2400 FT-2500</p>	<p>Speaker audio and power are available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
	<p>Pin-out Pin 1 – N/C Pin 2 – N/C Pin 3 – N/C Pin 4 – Mic GND Pin 5 – Mic Pin 6 – PTT Pin 7 – GND Pin 8 – N/C</p>	<p>Radio Models FT-450 FT-817 FT-897 FT-900</p>	<p>Notes Power and Receive Audio are not available on this connector. Please see the SignalLink SL-1+ Installation Manual for instructions on providing External Power and Receive Audio.</p>

5-Pin Din Packet Connector (use SLUSB5PD, SL1+5PD or SLCAB5PD)

<p>JP-1</p>	<p>Pin-out Pin 1 – Data In Pin 2 – GND Pin 3 – PTT Pin 4 – Data Out Pin 5 – NC</p>	<p>Radio Models FT-920** FT-1000D/MP** FT-1000MPMKV** Field** FT-2000 FTDX-9000/D/MP</p>	<p>Notes Power is not available on this connector, so you will need to use external power for the SignalLink Model SL-1+.</p> <p>**On the FT-920, the AFSK/FSK switch MUST be set to AFSK, and you must be in "Data" mode (push the front panel "Data" button). The Mic Gain control appears to affect the operation of the Packet jack, so we suggest setting this to 50% and then adjusting as needed..</p> <p>**The FT-1000MPMKV and FT-1000MKV Field MUST be in "Packet" mode (NOT usb!) for digital operation. For PSK31 or other "USB" digital modes, you'll need to set your radio's "User Mode" (selection 8-6) to "PS31U". This will configure the radio to look at the Packet jack and use the correct side band for PSK31. For more detailed information on this (including settings for other modes), see "Digital Modem Operation" in your radio manual.</p> <p>**This jack supports only FM and LSB, which is not compatible with the majority of digital modes.</p>
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6-pin Mini DIN Data Port Connector (use SLUSB6PM, SL1+6PMD or SLCAB6PM)

<p>JP-1</p>	<p>Pin-out Pin 1 – Data In Pin 2 – Ground Pin 3 – PTT Pin 4 – 9600 Out Pin 5 – 1200 Out Pin 6 – Squelch</p>	<p>Radio Models FT-100/100D FT-817/817ND FT-450 FT-847** FT-857/897 FT-950 FT-1500M FT-7100/7800R FT-8100/8800R FT-8900R</p>	<p>Notes For special signals requiring un-filtered "discriminator" audio, you will need to move the "SPKR" jumper to pin #4 (9600 baud output). Note that some newer radios do NOT provide this output, so this may not apply to your radio.</p> <p>Power is not available on any 6-pin mini DIN Data Port, so you will need to use external power for the</p>
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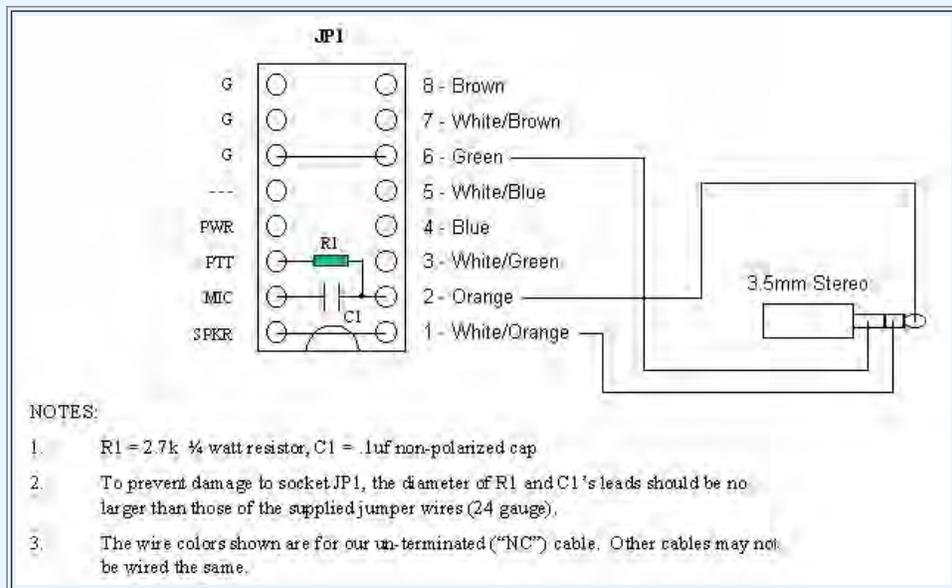
SignalLink Model SL-1+.

****On the FT-847 the Data Port supports VHF & UHF Packet only.**

FT-847 ONLY - 3.5mm Stereo "Data I/O" jack (use SLUSBNC, SL1+NC or SLCABNC)

For the FT-847, we recommend that you attach the SignalLink to the "Data I/O" jack. This jack works for all modes and will let you keep your microphone plugged into the radio. We do not stock a cable for this jack however, so you will need to build your own using one of our un-terminated radio cables (p/n SLCABNC). The picture below shows how to wire this cable and install the jumper wires.

NOTE: The values shown below for R1 and C1 have been used for years in a number of our products. You can use these values, or those shown in the FT-847 manual. Both will work just fine.



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