TIG-SL-USB
SignaLink™ USB

Cable List - Rev 14
Last Update - 12March 2009

Tigertronics SignaLink™ USB Digital Interface - Cable Interface Listing

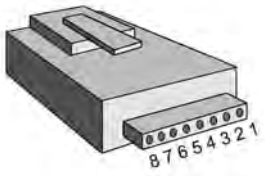
SignaLink Jumper Settings & Wiring Information For Base & Mobile Radios

References to other non-USB models have been removed from the original Tigertronics document.

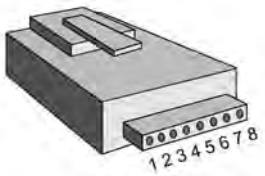
Warning: **Tigertronics has not verified the accuracy of all of the radio wiring information that is provided here. This information is provided for reference only and is NOT intended to replace the jumper installation procedure in the "Connecting The Radio" section of the SignaLink Installation Manual. 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!**

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, please disregard the PWR jumper. All other jumper settings are the same. If you mistakenly install the PWR jumper, everything is OK as this pin is NOT connected inside the unit.
- **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 different jumper settings for the Mic, Data and Accessory Port connectors.
- **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. Icom and Radio Shack also follow this standard, but Kenwood, Yaesu and some others do not. You need to be very careful to 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 USB is always powered by the computer's USB jack. When installing the jumpers for the SignaLink USB, please disregard the PWR jumper. All other jumper settings are the same. If you mistakenly install the PWR jumper, everything is OK as this pin is NOT connected inside the unit.

Note that the SignaLink USB is always powered by the computer, so you can disregard the PWR jumper when installing this unit.

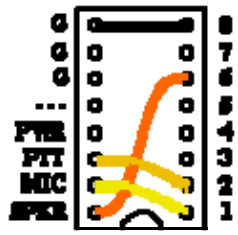
- **RECEIVE AUDIO / SPEAKER AUDIO** - Receive Audio is available on the Mic, Data, and Accessory Port connectors of most radios. If Receive Audio is not shown in the jumper settings for your radio, then consult your radio manual to see if it is available. If it is not, then you will need to connect a 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.

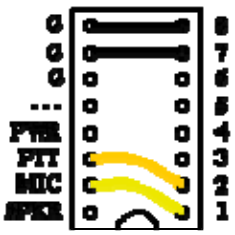
ADI

8-Pin Round Mic Connector use TIG-SL-CAB8R

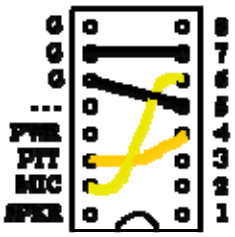
JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input Pin 2 - PTT Pin 3 - N/C Pin 4 - N/C Pin 5 - N/C Pin 6 - Speaker** Pin 7 - N/C Pin 8 - GND	AR-146/147/446	**Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

ALINCO

8-Pin Round Mic Connector use TIG-SL-CAB8R

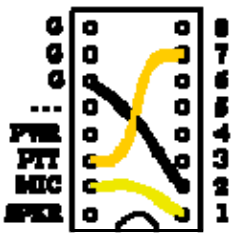
JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Mic Input Pin 2 – PTT Pin 3 – N/C Pin 4 – N/C Pin 5 – N/C Pin 6 – N/C** Pin 7 – GND Pin 8 – GND	ALD-24T ALR-22T/22HT/72T DR-110T/112T DR-130T/135E/135T DR-150/235T DR-430T/435E/435T DR-510T/570T DR-590T/592T/599T DR-600T/610E/610T DR-620E/620T DX-70T/70TH/70EH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

RJ-45 Mic Connector TIG-SL-CABRJ4

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 is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

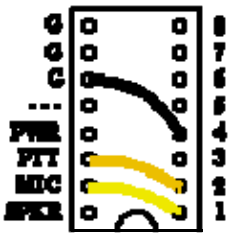
AZDEN

8-Pin Round Mic Connector TIG-SL-CAB8R

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 is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

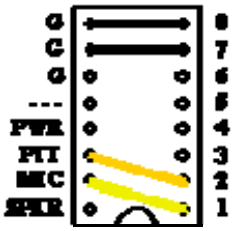
DRAKE

4-Pin Round Mic Connector TIG-SL-CAB4R

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	

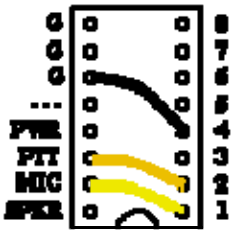
Elecraft

8-Pin Round Mic Connector TIG-SL-CAB8R

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.

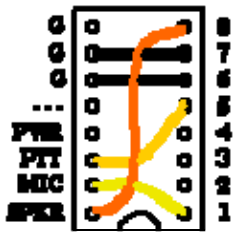
ICOM

4-Pin Round Mic Connector TIG-SL-CAB4R

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	

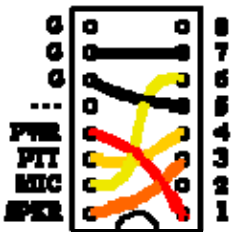
8-Pin Round MIC Connector TIG-SL-CAB8R

IMPORTANT: This diagram is for the MIC JACK only. If the SignaLink 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 IC-756/756PRO IC-756PROII/PROIII IC-7400/7700/7800 IC-751/761/765/775/781 IC-820H/901/910	**Speaker audio (usually Pin #8) is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

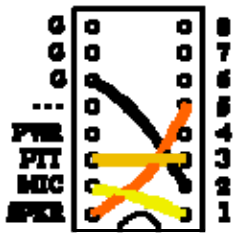
**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

RJ-45 Mic Connector TIG-SL-CABRJ4

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – +8V** Pin 2 – N/C Pin 3 – Speaker** Pin 4 – PTT Pin 5 – GND (mic) Pin 6 – Mic Input Pin 7 – GND Pin 8 – N/C	IC-207H**/208H** IC-281A/281E/281H IC-703/706/706MKII IC-2000 IC-2100H**/2200H** IC-2700**/2720H** IC-2800** IC-7000** IC-V8000** ID-800H**	**Speaker audio is 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.

**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

6-pin Mini DIN Data Port Connector TIG-SL-CAB6PM

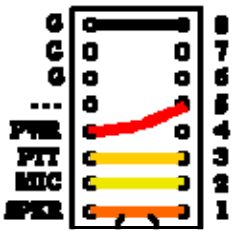
JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Data In Pin 2 – Ground Pin 3 – PTT Pin 4 – 9600 Out Pin 5 – 1200 Out Pin 6 – Squelch	IC-207H/208H IC-2720H IC-2800** IC-2820 IC-703/706MKIIG IC-746PRO IC-7000 / 7400 IC-910H	For special signals requiring un-filtered "discriminator" audio, you will need to move 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. **Mic audio is NOT muted on this radio.

8-pin DIN Accessory Port Connector TIG-SL-CAB8PD

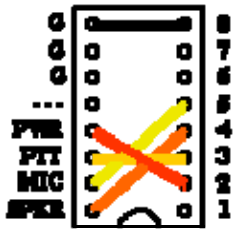
IMPORTANT: This diagram is for the ACCY PORT only. If the SignaLink is attached to your radio's 8-pin Round Mic Jack, then please see the diagram above under "8-Pin Round MIC Connector".

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - RTTY or N/C Pin 2 - Ground Pin 3 - Send Pin 4 - Mod In Pin 5 - AF Out Pin 6 - Squelch Pin 7 - +13.8V Pin 8 - ALC	IC-275A IC-707 IC-725/728/729 IC-735/736/737 IC-7400 IC-746** IC-746PRO** IC-756 / 756PRO IC-756PROII / III IC-761/765 IC-775/775DSP IC-781 IC-7700/7800 IC-820H/821H IC-910H IC-M700PRO IC-M710 IC-M802	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 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".

13-pin DIN Accessory Port Connector TIG-SL-CAB13I

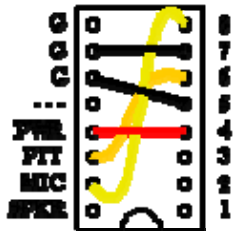
JP-1	Pin-out	Radio Models	Notes
	Tigertronics manufactures a special cable for ICOM 13-pin Accessory Ports. If you would like to build your own 13-pin cable (not recommended!), please contact our Technical Support Staff for pin-out and wiring information.	IC-703 IC-706/706MKII IC-706MKIIG IC-718 IC-7000**	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 SignaLink'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.

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 wired straight-through or the jumper settings shown below will NOT work, and you might DAMAGE YOUR RADIO OR THE SIGNALINK!

JP-1	Pin-out	Radio Models	Notes
	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	IC-251AE IC-730/751	Pins marked as "NC" are not used by the SignaLink, but might be connected internally inside the radio.

Japan Radio Company

8-Pin Round Mic Connector TIG-SL-CAB8R

JP-1	Pin-out	Radio Models	Notes
	Pin 1 - N/C 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	JST-145/245	

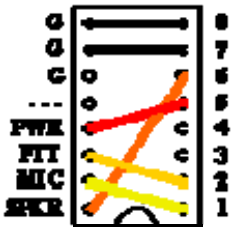
KENWOOD

4-Pin Round Mic Connector TIG-SL-CAB4R

JP-1	Pin-out	Radio Models	Notes.
	Pin 1 – Mic Input Pin 2 – PTT Pin 3 – GND Pin 4 – Mic GND	TR-7200A TR-7400A TR-7500 TS-120S/130S/180S TS-511S/520/530 TS-600/700/820/830	

**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

8-Pin Round Mic Connector TIG-SL-CAB8R

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Mic Input Pin 2 – PTT Pin 3 – N/C Pin 4 – N/C Pin 5 – 8 VDC** Pin 6 – Speaker** Pin 7 – Mic GND Pin 8 – GND	TM-201/211/221/231 TM-241/2530/2550 TM-2570 TM-321/331/3530/401 TM-421/431/441/521 TM-531/541/621/631 TM-701/721/731 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	**Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

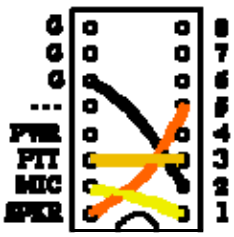
**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

RJ-45 Mic Connector TIG-SL-CABRJ4

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – NC Pin 2 – Speaker** Pin 3 – Mic Pin 4 – GND Pin 5 – PTT Pin 6 – GND Pin 7 – +8V** Pin 8 – NC	TM-251/255/261/271 TM-451/455/461 TM-641/642 TM-732/733/741/742 TM-941/942 TM-D700A TM-G707 TM-V7A/V71A TS-480HX/SAT	**Speaker audio is available on some models. Check your radio manual for availability of these features and add the appropriate jumpers.

**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

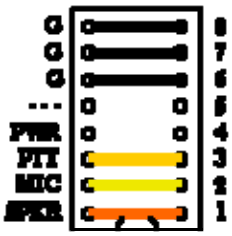
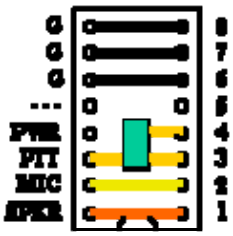
6-pin Mini DIN Data Port Connector TIG-SL-CAB6PM

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Data In Pin 2 – Ground Pin 3 – PTT Pin 4 – 9600 Out Pin 5 – 1200 Out Pin 6 – Squelch	TM-251 TM-271**/271A** TM-451 TM-D700/D700A TM-D710/710A/E TM-G707 TM-V7/V7A/V71A TS-480HX/SAT	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. **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.

**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

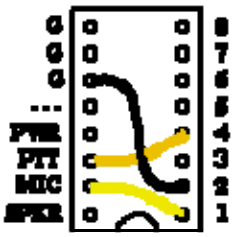
13-pin DIN Accessory Port Connector TIG-SL-CAB13K

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.

Figure 1	Figure 2	Notes
 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.	 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).	**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. **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.

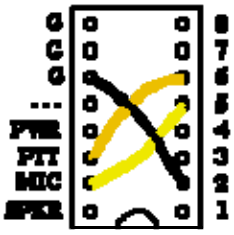
MIDLAND

4-Pin Round Mic Connector TIG-SL-CAB4R

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Mic Input Pin 2 – GND Pin 3 – N/C Pin 4 – PTT	13-510	

RADIO SHACK

RJ-45 Mic Connector TIG-SL-CABRJ4

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 is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

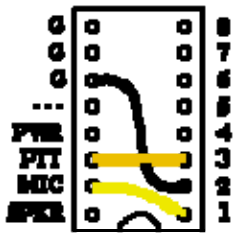
SGC

8-Pin Round Mic Connector TIG-SL-CAB8R

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	

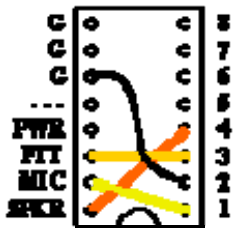
TEN-TEC

4-Pin Round Mic Connector TIG-SL-CAB4R

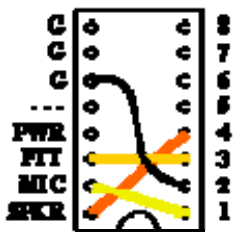
JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Mic Input Pin 2 – GND Pin 3 – PTT Pin 4 – N/C	Pegasus	These jumper settings work with most Ten-Tec Mic jacks (not just the Pegasus). However you should verify that your radio has the same pin-out before installing them.

**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

5-Pin DIN Accessory Connector - TIG-SL-CAB5PD

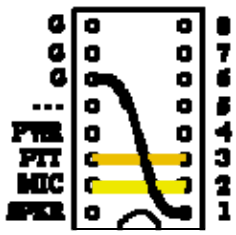
JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Mic Input Pin 2 - GND Pin 3 - PTT Pin 4 - AF Output Pin 5 - NC	Argonaut V Jupiter Omni VII Pegasus	The Ten-Tec Jupiter must be in "Line" to use the ACCY jack (set in radio menu).

8-Pin DIN Accessory Connector - Orion & Orion II Only TIG-SL-CAB8PD

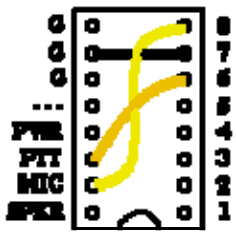
JP-1	Pin-out	Radio Models	Notes
	Pin 1 - Aux In Pin 2 - GND Pin 3 - PTT Pin 4 - Line Out** Pin 5 - NC Pin 6 - Line Out** Pin 7 - FSK Pin 8 - NC	Orion Orion II TEN-TEC Delta II Users: Our 8-pin DIN cable is NOT compatible with the TEN-TEC Delta II. You must connect the SignaLink to this radio's 4-pin Mic jack.	**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. **On the Orion II, Pin #4 is ALWAYS the audio output. .

YAESU

4-Pin Round Mic Connector TIG-SL-CAB4R

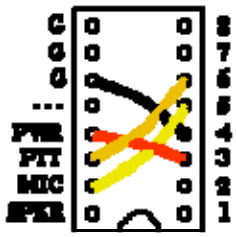
JP-1	Pin-out	Radio Models	Notes
	Pin 1 – GND Pin 2 – Mic Input Pin 3 – PTT Pin 4 – N/C		

8-Pin Round Mic Connector TIG-SL-CAB8R

JP-1	Pin-out	Radio Models	Notes
	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	FT-747/757 FT-757GX/767GX FT-840 FT-847** FT-890** FT-920** FT-950** FT-990** FT-1000** FT-1000D** FT-1000MP** FT-2200 FT-5100	**On the FT-890, FT-990, and the FT-1000 and 1000D, you should also jumper Pin #2 and Pin #5 to Ground. **On the FT-847, FT-920, FT-950 and FT-1000MP, you should also jumper Pin #5 to Ground. Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.

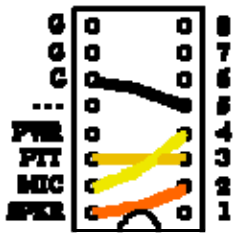
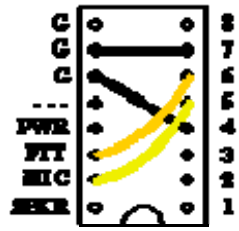
**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

RJ-11 Mic Connector TIG-SL-CABRJ1

JP-1	Pin-out	Radio Models	Notes
	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	FT-100** FT-1500M FT-1802 FT-2800M FT-7800R	**With the FT-100, the PTT jumper MUST be replaced with a standard 1/4 watt 27k resistor. Other Yaesu models with an RJ-11 Mic jack might also use these same settings (check your radio manual).

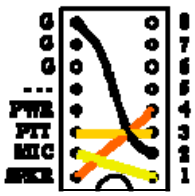
**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

RJ-45 Mic Connector TIG-SL-CABRJ4

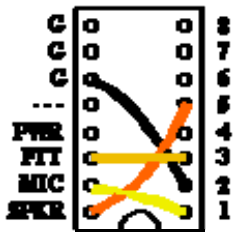
JP-1	Pin-out	Radio Models	Notes
	Pin 1 – N/C Pin 2 – Speaker Pin 3 – PTT Pin 4 – Mic Input Pin 5 – GND Pin 6 – N/C Pin 7 – N/C Pin 8 – N/C	FT-2400 FT-2500	Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.
	Pin 1 – N/C 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	FT-450 FT-817 FT-897 FT-900	Receive Audio is not available on this connector.

**** Check Other Listings for these radios - you may be able to use the DIN, PACKET , ACCESSORY, or DATA jack ****

5-Pin Din Packet Connector TIG-SL-CAB5PD

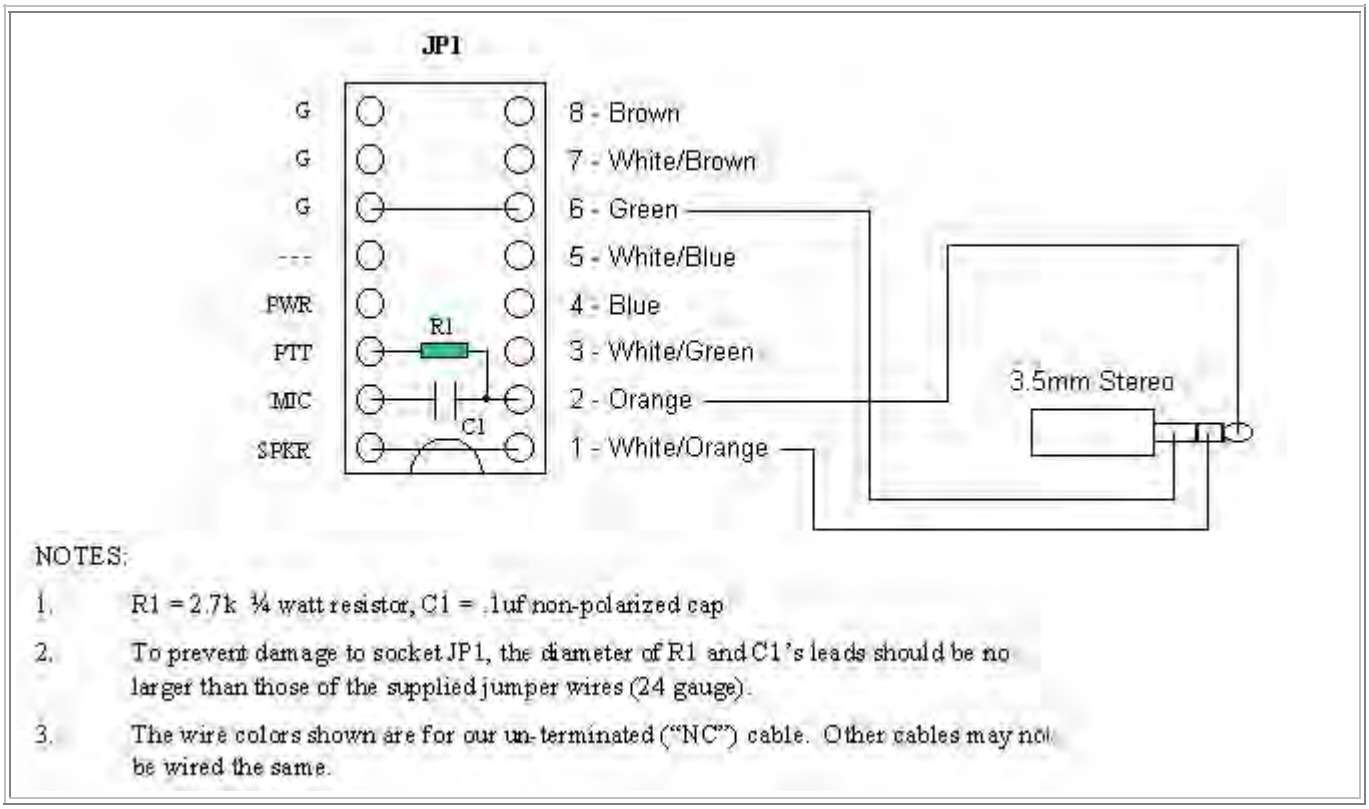
JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Data In Pin 2 – GND Pin 3 – PTT Pin 4 – Data Out Pin 5 – NC	FT-920** FT-1000D/MP** FT-1000MPMKV** FT-1000MPMKV-Field** FT-2000 FTDX-9000/D/MP	**On the FT-920, the AFSK/FSK switch MUST be set to AFSK, and you must be in "Data" mode (push the front panel "Data" 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.. **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. **This jack supports only FM and LSB, which is not compatible with the majority of digital modes.

6-pin Mini DIN Data Port Connector TIG-SL-CAB6PM

JP-1	Pin-out	Radio Models	Notes
	Pin 1 – Data In Pin 2 – Ground Pin 3 – PTT Pin 4 – 9600 Out Pin 5 – 1200 Out Pin 6 – Squelch	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	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. **On the FT-847 the Data Port supports VHF & UHF Packet only. *** On the FT-897 Data level may be too low to work with MACs and require internal mod to SL unit by factory.

FT-847 ONLY - 3.5mm Stereo "Data I/O" jack TIG-SL-CABNC

For the FT-847, we recommend that you attach the SignaLink 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. The picture below shows how to wire this cable and install the jumper wires.



NOTES:

1. R1 = 2.7k ¼ watt resistor, C1 = .1uf non-polarized cap
2. To prevent damage to socket JP1, the diameter of R1 and C1's leads should be no larger than those of the supplied jumper wires (24 gauge).
3. The wire colors shown are for our un-terminated ("NC") cable. Other cables may not be wired the same.

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