



# TIG-SL-USB Signalink™ USB

Cable List - Rev 6  
Last Update - 7 July 08



## Tigertronics Signalink™ USB Digital Interface - Cable Interface Listing

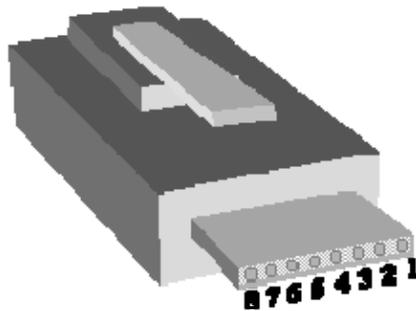
### Signalink Jumper Settings & Wiring Information For Base & Mobile Radios

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

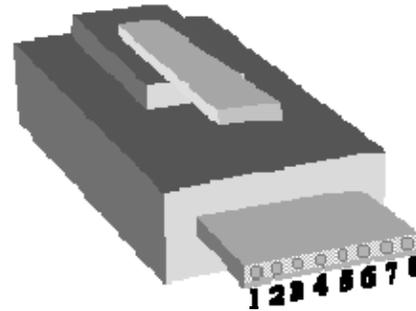
**Warning:** Tigertronics has not verified the accuracy of all of the radio wiring information that is provided here. This information is provided for reference only and is NOT intended to replace the jumper installation procedure in the “Connecting The Radio” section of the Signalink Installation Manual.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

	<p><b>Pin-out</b>          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</p>	<p><b>Radio Models</b>          AR-146/147/446</p>	<p><b>Notes</b>          **Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
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# ALINCO

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

	<p><b>Pin-out</b>          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</p>	<p><b>Radio Models</b>          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</p>	<p><b>Notes</b>          **Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
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RJ-45 Mic Connector **TIG-SL-CABRJ4**

	<p><b>Pin-out</b>          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</p>	<p><b>Radio Models</b>          DR-605E/605T</p>	<p><b>Notes</b>          Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
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# AZDEN

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

	<p><b>Pin-out</b>          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</p>	<p><b>Radio Models</b>          PCS 5000/6000          PCS 7000</p>	<p><b>Notes</b>          Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
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# DRAKE

4-Pin Round Mic Connector **TIG-SL-CAB4R**

	<p><b>Pin-out</b>          Pin 1 – Mic Input          Pin 2 – PTT          Pin 3 – N/C          Pin 4 – GND</p>	<p><b>Radio Models</b>          TR-7/22/33          UV-3</p>	<p><b>Notes</b></p>
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# Elecraft

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

	<p><b>Pin-out</b></p> <p>Pin 1 - Mic          Pin 2 - PTT          Pin 3 - NC          Pin 4 - NC          Pin 5 - NC          Pin 6 - +5VDC          Pin 7 - GND          Pin 8 - GND</p>	<p><b>Radio Models</b></p> <p>K2          K3</p>	<p><b>Notes</b></p> <p>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.</p>
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# ICOM

## 4-Pin Round Mic Connector TIG-SL-CAB4R

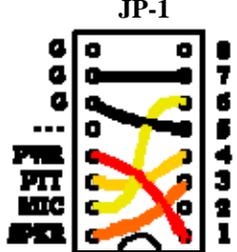
	<p><b>Pin-out</b></p> <p>Pin 1 - Mic Input          Pin 2 - PTT          Pin 3 - N/C          Pin 4 - GND</p>	<p><b>Radio Models</b></p> <p>IC-22/202/215          IC-245/280/402/502          IC-551          IC-701</p>	<p><b>Notes</b></p>
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## 8-Pin Round MIC Connector TIG-SL-CAB8R

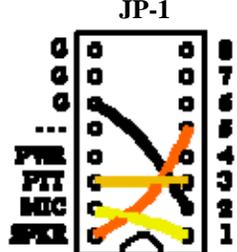
**IMPORTANT:** This diagram is for the MIC JACK only. If the SignalLink is attached to your radio's 8-pin Accessory Port, then please see the diagram below under "8-pin DIN Accessory Port Connector".

	<p><b>Pin-out</b></p> <p>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**</p>	<p><b>Radio Models</b></p> <p>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</p>	<p><b>Notes</b></p> <p>**Speaker audio (usually Pin #8) is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
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### RJ-45 Mic Connector TIG-SL-CABRJ4

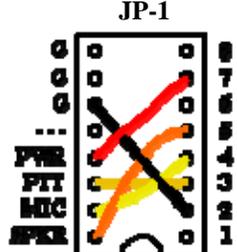
	<p><b>Pin-out</b></p> <p>Pin 1 – +8V**          Pin 2 – N/C          Pin 3 – Speaker**          Pin 4 – PTT          Pin 5 – GND (mic)          Pin 6 – Mic Input          Pin 7 – GND          Pin 8 – N/C</p>	<p><b>Radio Models</b></p> <p>IC-207H**/208H**          IC-281A/281E/281H          IC-703/706/706MKII          IC-2000          IC-2100H**/2200H**          IC-2700**/2720H**          IC-2800**          IC-7000**          IC-V8000**          ID-800H**</p>	<p><b>Notes</b></p> <p>**Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p> <p>**Speaker Audio is NOT available on the Mic jack of this radio.</p>
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### 6-pin Mini DIN Data Port Connector TIG-SL-CAB6PM

	<p><b>Pin-out</b></p> <p>Pin 1 – Data In          Pin 2 – Ground          Pin 3 – PTT          Pin 4 – 9600 Out          Pin 5 – 1200 Out          Pin 6 – Squelch</p>	<p><b>Radio Models</b></p> <p>IC-207H/208H          IC-2720H          IC-2800**          IC-703/706MKIIG          IC-746PRO          IC-7000 / 7400          IC-910H</p>	<p><b>Notes</b></p> <p>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>**Mic audio is NOT muted on this radio.</p>
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### 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".

	<p><b>Pin-out</b></p> <p>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</p>	<p><b>Radio Models</b></p> <p>IC-275A          IC-707          IC-725/728/729          IC-735/736/737          IC-7400          IC-746 / 746PRO          IC-756 / 756PRO          IC-756PROII / III          IC-761/765          IC-775/775DSP          IC-781          IC-7700/7800          IC-820H/821H          IC-910H</p>	<p><b>Notes</b></p> <p>IC-746PRO users should use "USB/LSB Data" mode (not regular USB/LSB).</p> <p>IC-756PRO users should use digital mode "D-USB" or "D-LSB".</p> <p>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..</p> <p>IC-820H users need to set the Modulation Input Sensitivity switch to "Low", and the Baud Rate Selection switch to "AMOD".</p>
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**13-pin DIN Accessory Port Connector TIG-SL-CAB13I**

	<p><b>Pin-out</b> 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><b>Radio Models</b> IC-703 IC-706/706MKII IC-706MKIIG IC-718 IC-7000**</p>	<p><b>Notes</b> 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.</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><b>Pin-out</b> 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><b>Radio Models</b> IC-251AE IC-730/751</p>	<p><b>Notes</b> Pins marked as "NC" are not used by the Signalink, but might be connected internally inside the radio.</p>
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# Japan Radio Company

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

	<p><b>Pin-out</b> 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</p>	<p><b>Radio Models</b> JST-145/245</p>	<p><b>Notes</b></p>
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# KENWOOD

## 4-Pin Round Mic Connector TIG-SL-CAB4R

	<p><b>Pin-out</b>          Pin 1 – Mic Input          Pin 2 – PTT          Pin 3 – GND          Pin 4 – Mic GND</p>	<p><b>Radio Models</b>          TR-7200A          TR-7400A          TR-7500          TS-120S/130S/180S          TS-511S/520/530          TS-600/700/820/830</p>	<p><b>Notes</b></p>
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## 8-Pin Round Mic Connector TIG-SL-CAB8R

	<p><b>Pin-out</b>          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</p>	<p><b>Radio Models</b>          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</p>	<p><b>Notes</b>          **Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
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## RJ-45 Mic Connector TIG-SL-CABRJ4

	<p><b>Pin-out</b>          Pin 1 – NC          Pin 2 – Speaker**          Pin 3 – Mic          Pin 4 – GND          Pin 5 – PTT          Pin 6 – GND          Pin 7 – +8V**          Pin 8 – NC</p>	<p><b>Radio Models</b>          TM-251/255/261/451          TM-455/461/641/642          TM-732/733/741/742          TM-941/942          TM-D700A          TM-G707          TM-V7A/V71A          TS-480HX/SAT</p>	<p><b>Notes</b>          **Speaker audio is available on some models. Check your radio manual for availability of these features and add the appropriate jumpers.</p>
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### 6-pin Mini DIN Data Port Connector **TIG-SL-CAB6PM**

	<p><b>Pin-out</b>          Pin 1 – Data In          Pin 2 – Ground          Pin 3 – PTT          Pin 4 – 9600 Out          Pin 5 – 1200 Out          Pin 6 – Squelch</p>	<p><b>Radio Models</b>          TM-251/451          TM-D700A          TM-G707          TM-V7/V7A/V71A          TS-480HX/SAT</p>	<p><b>Notes</b>          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>
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### 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 SignalLink manual. If you do not set the levels correctly, then the SignalLink may not transmit, and you might mistake the problem for incorrect jumper settings. Note that external power is required for the SignalLink 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><b>TS-2000</b> 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.</p> <p><b>TS-570</b> 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>

## MIDLAND

### 4-Pin Round Mic Connector **TIG-SL-CAB4R**

	<p><b>Pin-out</b>          Pin 1 – Mic Input          Pin 2 – GND          Pin 3 – N/C          Pin 4 – PTT</p>	<p><b>Radio Models</b>          13-510</p>	<p><b>Notes</b></p>
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# RADIO SHACK

## RJ-45 Mic Connector **TIG-SL-CABRJ4**

	<p><b>Pin-out</b>          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</p>	<p><b>Radio Models</b>          HTX-212          HTX-242</p>	<p><b>Notes</b>          Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
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# SGC

## 8-Pin Round Mic Connector **TIG-SL-CAB8R**

	<p><b>Pin-out</b>          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</p>	<p><b>Radio Models</b>          SGC-2020</p>	<p><b>Notes</b></p>
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# TEN-TEC

## 4-Pin Round Mic Connector **TIG-SL-CAB4R**

	<p><b>Pin-out</b>          Pin 1 – Mic Input          Pin 2 – GND          Pin 3 – PTT          Pin 4 – N/C</p>	<p><b>Radio Models</b>          Pegasus</p>	<p><b>Notes</b>          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.</p>
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## 5-Pin DIN Accessory Connector - **TIG-SL-CAB5PD**

	<p><b>Pin-out</b>          Pin 1 - Mic Input          Pin 2 - GND          Pin 3 - PTT          Pin 4 - AF Output          Pin 5 - NC</p>	<p><b>Radio Models</b>          Argonaut V          Jupiter          Omni VII          Pegasus</p>	<p><b>Notes</b>          The Ten-Tec Jupiter must be in "Line" to use the ACCY jack (set in radio menu).</p>
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### 8-Pin DIN Accessory Connector - **Orion & Orion II Only TIG-SL-CAB8PD**

	<p><b>Pin-out</b>          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><b>Radio Models</b>          Orion          Orion II  <u>TEN-TEC Delta II Users:</u> Our 8-pin DIN cable is NOT compatible with the TEN-TEC Delta II. You must connect the SignalLink to this radio's 4-pin Mic jack.</p>	<p><b>Notes</b>          **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.</p>
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## YAESU

### 4-Pin Round Mic Connector **TIG-SL-CAB4R**

	<p><b>Pin-out</b>          Pin 1 - GND          Pin 2 - Mic Input          Pin 3 - PTT          Pin 4 - N/C</p>	<p><b>Radio Models</b></p>	<p><b>Notes</b></p>
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### 8-Pin Round Mic Connector **TIG-SL-CAB8R**

	<p><b>Pin-out</b>          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><b>Radio Models</b>          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</p>	<p><b>Notes</b>          **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.</p>
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**RJ-11 Mic Connector TIG-SL-CABRJ1**

<p>Diagram of RJ-11 Mic Connector JP-1. The connector has 8 pins. The labels on the left are PWR, PTT, MIC, and SPEAKER. The labels on the right are 8, 7, 6, 5, 4, 3, 2, 1. The connections are: PWR to pin 4, PTT to pin 3, MIC to pin 2, and SPEAKER to pin 1.</p>	<p><b>Pin-out</b>          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><b>Radio Models</b>          FT-100**          FT-1500M          FT-2800M          FT-7800R</p>	<p><b>Notes</b>          **With the FT-100, the PTT jumper <b>MUST</b> 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).</p>
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**RJ-45 Mic Connector TIG-SL-CABRJ4**

<p>Diagram of RJ-45 Mic Connector JP-1. The connector has 8 pins. The labels on the left are PWR, PTT, MIC, and SPEAKER. The labels on the right are 8, 7, 6, 5, 4, 3, 2, 1. The connections are: PWR to pin 4, PTT to pin 3, MIC to pin 2, and SPEAKER to pin 1.</p>	<p><b>Pin-out</b>          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><b>Radio Models</b>          FT-2400          FT-2500</p>	<p><b>Notes</b>          Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.</p>
<p>Diagram of RJ-45 Mic Connector JP-1. The connector has 8 pins. The labels on the left are PWR, PTT, MIC, and SPEAKER. The labels on the right are 8, 7, 6, 5, 4, 3, 2, 1. The connections are: PWR to pin 4, PTT to pin 3, MIC to pin 2, and SPEAKER to pin 1.</p>	<p><b>Pin-out</b>          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><b>Radio Models</b>          FT-450          FT-817          FT-897          FT-900</p>	<p><b>Notes</b>          Receive Audio is not available on this connector.</p>

**5-Pin Din Packet Connector TIG-SL-CAB5PD**

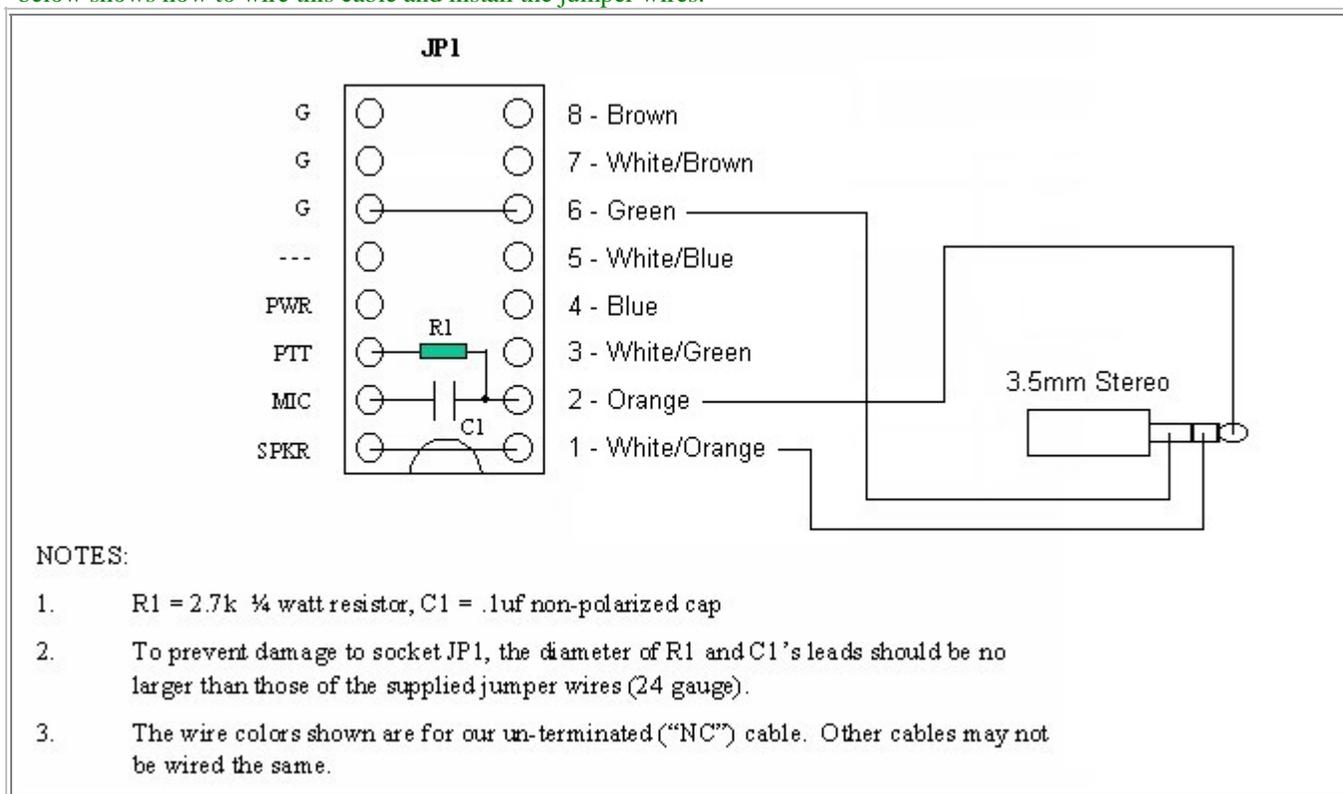
<p>Diagram of 5-Pin Din Packet Connector JP-1. The connector has 5 pins. The labels on the left are PWR, PTT, MIC, and SPEAKER. The labels on the right are 5, 4, 3, 2, 1. The connections are: PWR to pin 4, PTT to pin 3, MIC to pin 2, and SPEAKER to pin 1.</p>	<p><b>Pin-out</b>          Pin 1 – Data In          Pin 2 – GND          Pin 3 – PTT          Pin 4 – Data Out          Pin 5 – NC</p>	<p><b>Radio Models</b>          FT-920**          FT-1000D/MP**          FT-1000MPMKV**          FT-1000MPMKV-Field**          FT-2000          FTDX-9000/D/MP</p>	<p><b>Notes</b>          **On the FT-920, the AFSK/FSK switch <b>MUST</b> be set to AFSK, and you must be in "Data" mode (push the front panel "Data" button).           **The FT-1000MPMKV and FT-1000MKV Field <b>MUST</b> 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.</p>
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## 6-pin Mini DIN Data Port Connector TIG-SL-CAB6PM

<p>JP-1</p> <p>8 7 6 5 4 3 2 1</p> <p>G G G --- PWR PTT MIC SPKR</p>	<p><b>Pin-out</b></p> <p>Pin 1 – Data In Pin 2 – Ground Pin 3 – PTT Pin 4 – 9600 Out Pin 5 – 1200 Out Pin 6 – Squelch</p>	<p><b>Radio Models</b></p> <p>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><b>Notes</b></p> <p>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><b>**On the FT-847 the Data Port supports VHF &amp; UHF Packet only.</b></p>
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## FT-847 ONLY - 3.5mm Stereo "Data I/O" jack TIG-SL-CABNC

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. The picture below shows how to wire this cable and install the jumper wires.



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P.O. Box 1491 · Akron, OH 44309-1491  
Phone: (800) 777-0703 · Tech Support and International: (330) 572-3200  
Fax: (330) 572-3279 · E-mail: DXEngineering@DXEngineering.com

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