



## TGR-SL-USB SignaLink™ USB



Cable List - Rev 42

Last Update -26 June 2012 Last Tigertronics Update - 25 June 2012

# Tigertronics SignaLink™ USB Digital Interface - Cable Tigertronics 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.

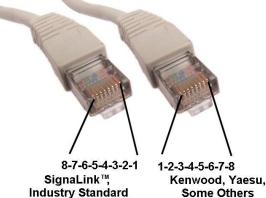
Warning: Tigertronics has not verified the accuracy of all of the radio wiring information that is provided here. This information is provided for reference only and is NOT intended to replace the jumper installation procedure in the "Connecting The Radio" section of the SignaLink Installation Manual. 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 using the settings shown here and in our other documentation, please disregard the PWR jumper (do NOT install it!). 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 different
- **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 to the right. 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!

jumper settings for the Mic, Data and Accessory Port connectors.

• 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.
- 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.

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 - TGR-SL-CAB8R			
Radio Models	Pin-out	Notes	JP-1	
AR-146 AR-147 AR-446	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	** Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.	G	

ALINCO	8-Pin Round Mic Connector - TGR-SL-CAB8R			
Radio Models	Pin-out	Notes	JP-1	
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 DX-SR8T/E	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	** Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.	G	

ALINCO	RJ-45 Mic Connector - TGR-SL-CABRJ4			
Radio Models	Pin-out	Notes	JP-1	
DR-605E/605T	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	Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.	G	

AZDEN	8-Pin Round Mic Connector - TGR-SL-CAB8R			
Radio Models	Pin-out	Notes	JP-1	
PCS-5000 PCS-6000 PCS-7000	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	Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.	G O 8 G O 6 O 5 PWR O 4 PTT O 3 MIC 2 SPKR O 1	

DRAKE	4-Pin Round Mic Connector - TGR-SL-CAB4R			
Radio Models	Pin-out	Notes	JP-1	
TR-7 TR-22 TR-33 UV-3	Pin 1 – Mic Input Pin 2 – PTT Pin 3 – N/C Pin 4 – GND		G O O 8 G O 7 G O 6	
			PWR 0 4 4 PTT 0 3 MIC 2 SPKR 0 1	

ELECRAFT	8-Pin Round Mic Connector - TGR-SL-CAB8R			
Radio Models	Pin-out	Notes	JP-1	
K2 K3	Pin 1 - Mic Pin 2 - PTT Pin 3 - NC Pin 4 - NC Pin 5 - NC Pin 6 - +5VDC Pin 7 - GND Pin 8 - GND	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.	G	

<b>ELECRAFT</b>	Rear Panel Audio In, Audio Out and PTT connectors - TGR-SL-CABK3			
Radio Models	Pin-out	Notes	JP-1	
* Can use the SLMODK3 Jumper Module	Pin 1 - SPKR Pin 2 - GND Pin 3 - MIC Pin 4 - PTT Pin 5 - GND Pin 6 - GND Pin 7 - N/C Pin 8 - N/C	Some customers have found that the K3's "Line In" gain (menu setting) is set to zero by default, thereby resulting in no power output when transmitting. If up experience this problem, then please consult your radio manual for instructions on turning up this control.  Note that the K3 also has a menu setting for the "Line Out" level, which can be turned up if needed to increase the RX Audio going into the SignaLink	G	

<b>ELECRAFT</b>	Mic Connector - TGR-SL-CABKX3			
Radio Models	Pin-out	Notes	JP-1	
* Can use the SLMODKX3 Jumper Module	Pin 1 - MIC Pin 2 - PTT Pin 3 - GND Pin 4 - N/C Pin 5 - N/C Pin 6 - N/C Pin 7 - N/C Pin 8 - N/C	Two cable connections are required from the SignaLink to the Elecraft KX3 as follows:  • Connect the RJ-45 end of the SLCABKX3 radio cable to the SignaLink's "Radio" connector. Connect the 4-pin right-angle TRRS plug to the KX3's "Mic" jack, being sure to fully insert the plug.  • Connect the supplied right-angle mono audio cable between the SignaLink's "SPKR" jack, and the KX3's "Phones" jack. Be sure that both plugs are fully inserted. KX3 Radio Settings:  1 - The "Mic Bias" setting in the KX3's menu system should be turned OFF if you are using jumper wires. This setting can be left ON if you are using our SLMODKX3 jumper module as it has a built-in DC blocking capacitor.  2 - The "Mic Btn" setting should be set to either "PTT", or "PTT Up.Dn.".  3 - We recommend turning the KX3's "Audio Effects" feature OFF, as it will likely cause receive problems during digital operation.	G	

ICOM	4-Pin Round Mic Connector - TGR-SL-CAB4R		
Radio Models	Pin-out	Notes	JP-1
IC-22 IC-202/215/245/280 IC-402 IC-502/551	Pin 1 – Mic Input Pin 2 – PTT Pin 3 – N/C Pin 4 – GND		G © 0 8 G © 7 G 0 6
IC-502/551 IC-701	PIN 4 – GND		© 5 PWR © 4 PTT © 3
			MIC 2 SPKR 0 1

ICOM	8-Pin Round I	Mic Connector - TGR-SL-CAB8R	
Radio Models	Pin-out	Notes	JP-1
*IC-22U/25/27/28	Pin 1 – Mic Input	**Speaker audio (usually Pin #8) is available on some	
*IC-37A/38A/375	Pin 2 – N/C**	models. Check your radio manual for availability of	G 🔘 🔑 8
*IC-45/47/48	Pin 3 - N/C	these signals and add the appropriate jumpers.	G 7
*IC-228/229/251AE	Pin 4 - N/C		G 6
*IC-255/260/271/290	Pin 5 – PTT	<b>IMPORTANT:</b> This diagram is for the MIC JACK	0 5
*IC-471/475/490	Pin 6 – GND	only. If the SignaLink is attached to your radio's 8-pin	
*IC-505/551/560/575	Pin 7 – GND	Accessory Port, then please see the diagram below	PWR (0) 4
*IC-707/718/720/725/726	Pin 8 – Speaker**	under "8-pin DIN Accessory Port Connector".	PTT  3
*IC-728/729/730/735		under o pin bir viceessory for connector.	MIC 2
*IC-736/737/738/740/745			
*IC-746/746PRO		Check Other Listings for these radios - you may be	SPKR 1
*IC-751		able to use the DIN, PACKET, ACCESSORY, or	
*IC-756/756PRO		DATA jack	
*IC-756PROII/PROIII		Diffit Juck	
*IC-761/765/775/781			
*IC-820H/901/910			
*IC-1201/1271/1275			
*IC-2400/2500			
*IC-3200/3210/3220/3230			
*IC-7400/7600/7700/7800			
* Can use the SLMOD8RI Jumper Module			

ICOM	RJ-45 Mic Con	RJ-45 Mic Connector - TGR-SL-CABRJ4			
Radio Models	Pin-out	Notes	JP-1		
IC-207H**/208H**	Pin 1 – +8V***	***Speaker audio is available on some models. Check			
IC-281A/281E/281H	Pin $2 - N/C$	your radio manual for availability of these signals and	G 🔘 🔘 8		
IC-703/706/706MKII	Pin 3 – Speaker***	add the appropriate jumpers.	G 7		
IC-2000	Pin 4 – PTT		G 6		
IC-2100H**/2200H**	Pin 5 – GND (mic)	**Speaker Audio is NOT available on the Mic jack of	0 5		
IC-2700**/2720H**	Pin 6 – Mic Input	this radio.	PWR 4		
IC-2800**/2820**	Pin 7 – GND		PTT 3		
IC-7000**	Pin 8 - N/C	Check Other Listings for these radios - you may be	MIC 2		
IC-V8000**		able to use the DIN, PACKET, ACCESSORY, or	SPKR 1		
ID-800H** /880**		DATA jack	SPAR STATE		

ICOM	6-Pin Mini DI	6-Pin Mini DIN Data Port Connector - TGR-SL-CAB6PM			
Radio Models	Pin-out	Notes	JP-1		
*IC-207H/208H	Pin 1 – Data In	For special signals requiring un-filtered			
*IC-2720H	Pin 2 – Ground	"discriminator" audio, you will need to move the			
*IC-2800****	Pin 3 – PTT	"SPKR" jumper to pin #4 (9600 baud output). Note	G 0 8		
*IC-2820	Pin 4 – 9600 Out	that some newer radios do NOT provide this output, so	G 🔘 🦳 7		
*IC-703	Pin 5 – 1200 Out	this may not apply to your radio.	G 🔾   O 6		
*IC-706MKIIG**	Pin 6 – Squelch		0 5		
*IC-746PRO***		**IC-706MKIIG - If you are using the Data Port on	PWR (0) (1) 0 4		
*IC-7000**		this radio, then you must set menu #29 "9600	PTT 3		
*IC-7400		Mode" to 1200.			
*IC-910H##			MIC 2		
*ID-880		****Mic audio is NOT muted on this radio.	SPKR  1		
*IC-9100					
		## IC-910H: You will need to connect the			
* Can use the SLMOD6PM		SignaLink to the "Main" data port connection on			
Jumper Module		this radio (not the "Sub" port)			

\*\*\*NOTE: If you are using an ICOM IC-7000, IC-746PRO, or Yaesu FT-450, please note that some customers have reported that these radios have unusually sensitive Data Ports, which can make adjustment of the SignaLink's TX knob somewhat difficult. If this is the case with your radio (and the solutions listed above don't work), then you can easily resolve the issue by replacing the SignaLink's "Mic" jumper wire with a standard 1/4 watt size resistor. Both a 47K and 100K resistor have been reported by several customers to allow easy adjustment of the power level. Please note that you \*\*DO NOT\*\* solder this resistor. It simply plugs into the JP1 socket in place of the MIC jumper wire. Be sure that you use a 1/4 watt size resistor, so that you do not damage the SignaLink's socket!

ICOM	8-Pin DIN Accessory Port Connector - TGR-SL-CAB8PD			
Radio Models	Pin-out	Notes	JP-1	
*IC-275A	Pin 1 - RTTY or N/C	<b>IMPORTANT:</b> This diagram is for the ACCY		
IC-575A/H	Pin 2 - Ground	PORT only. If the SignaLink is attached to your	G 0 8	
*IC-707	Pin 3 - Send	radio's 8-pin Round Mic Jack, then please see	G 🔘 🥟 7	
*IC-725/726/728/729	Pin 4 - Mod In	the diagram above under "8-Pin Round MIC	G 🔊 / 🔘 6	
*IC-735/736/737/738	Pin 5 - AF Out	Connector".	5	
*IC-7400	Pin 6 - Squelch	IC-756PRO users should use digital mode "D-	PWR 4	
*IC-746**	Pin 7 - +13.8V	USB" or "D-LSB".		
*IC-746 PRO**	Pin 8 - ALC	**Some customers have reported that the IC-746	PTT 3	
*IC-756 / 756PRO		(early model only) does NOT mute the Mic when	MIC 2	
*IC-756 PROII / III		keyed from the Accy Port. If this is the case with	SPKR O 0 1	
*IC-761/765		your radio, then you will need to turn the radio's		
*IC-775/775DSP		Mic Gain down and/or unplug the microphone.		
*IC-781		**Due to the design of the IC-746PRO, this jack		
*IC-7600/7700/7800		does NOT support VHF operation. If you want to		
*IC-820H***/821H		operate both HF and VHF, then you'll need to use		
*IC-910H		the 6-pin mini-DIN Data Port instead.		
IC-M600		**IC-746PRO users should use "USB/LSB Data"		
*IC-M700 PRO		mode (not regular USB/LSB).		
*IC-M710		***IC-820H users need to set the Modulation		
*IC-M802		Input Sensitivity switch to "Low", and the Baud		
		Rate Selection switch to "AMOD".		
* Can use the SLMOD8PD				
Jumper Module				

ICOM	13-Pin DIN Accessory Port Connector - TGR-SL-CAB13I			
Radio Models	Pin-out	Notes	JP-1	
*IC-703 *IC-706 *IC-706 MkII *IC-706 MkIIg *IC-718*** *IC-7000** *IC-7200 *IC-7410 *IC-9100	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.	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.	G	
* Can use the SLMOD13I Jumper Module	information.	**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.		

ICOM	24 Pin DIN Accessory Port Connector		
Radio Models	Pin-out	Notes	JP-1
IC-251AE IC-730 IC-751	Pin 1 - N/C Pin 2 - +13.8V Pin 3 - PTT Pin 4 - AF Out Pin 5 - Mic Input Pin 6 - N/C Pin 7 - N/C Pin 8 - GND Pins 9-24 N/C	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!  Pins marked as "N/C" are not used by the SignaLink, but might be connected internally inside the radio.	G 8 G 7 G 6 0 5 PWR 4 PTT 3 MIC 2 SPKR 0 1

Japan Radio Company		pan Radio Company 8-Pin Round Mic Connector - TGR-S	
Radio Models	Pin-out	Notes	JP-1
JST-145	Pin 1 - N/C		
JST-245	Pin 2 - N/C		G 🔘 🤌 8
	Pin 3 - N/C		
	Pin 4 - +9V		G 7
	Pin 5 - GND		G ( 6
	Pin 6 - PTT		0 7
	Pin 7 - Mic GND		PWR 4
	Pin 8 - Mic Input		PTT 3
			MIC O 2
			SPKR O O 1

<b>KENWOOD</b>	4-Pin Round Mic Connector - TGR-SL-CAB4R			
Radio Models	Pin-out	Notes	JP-1	
TR-7200A	Pin 1 – Mic Input	Check Other Listings for these radios - you may be		
TR-7400A	Pin 2 – PTT	able to use the DIN, PACKET, ACCESSORY, or	G 🕒 🔘 8	
TR-7500	Pin 3 – GND	DATA jack		
TS-120S/130S/180S	Pin 4 – Mic GND		G C 7	
TS-511S/520/530			G 🔘 🗎 🔘 6	
TS-600			0 5	
TS-700			PWR (0) \ \ \ \ \ 4	
TS-820/830			PTT 3	
			MIC 2	
			SPKR 0 1	

<b>KENWOOD</b>	8-Pin Round Mic Connector - TGR-SL-CAB8R			
Radio Models	Pin-out	Notes	JP-1	
*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  *TM-2570  *TR-50/751/851  *TS-50/60/140  *TS-430/440/450  *TS-570/590  *TS-660/670/680/690  *TS-701/711/780/790  *TS-811/850/870  *TS-930/940/950  *TS-2000  *TW-4000/4100  * Can use the SLMOD8RK  Jumper Module	Pin-out  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	** Speaker audio is not 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	G 8 7 6 7 6 0 5 PWR 0 4 PTT 0 3 MIC 2 SPKR 1	

KENWOOD	RJ-45 Mic Connector - TGR-SL-CABRJ4			
Radio Models	Pin-out	Notes	JP-1	
TK-7102H TM-251/255/261/271 TM-451/455/461 TM-641/642 TM-732/733/741/742 TM-941/942 TM-D700/D700A TM-D710/710A/E TM-G707 TM-V7A/V71A TS-480HX/SAT	Pin 1 – NC Pin 2 – Speaker** Pin 3 – Mic Pin 4 – GND Pin 5 – PTT Pin 6 – GND Pin 7 – +8V** Pin 8 – NC	**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	G	

<b>KENWOOD</b>	6-Pin Mini DIN Port Connector - TGR-SL-CAB6PM		
Radio Models	Pin-out	Notes	JP-1
*TM-251/255	Pin 1 – Data In	For special signals requiring un-filtered "discriminator"	
*TM-271**/271A**	Pin 2 – Ground	audio, you will need to move the "SPKR" jumper to	G 💿 💿 8
*TM-451/455	Pin 3 – PTT	pin #4 (9600 baud output). Note that some newer	
*TM-D700/D700A	Pin 4 – 9600 Out	radios do NOT provide this output, so this may not	G 🔘 🦳 7
*TM-D710/710A/E	Pin 5 – 1200 Out	apply to your radio.	G 🔍 🔘 6
*TM-G707	Pin 6 – Squelch		6 5
*TM-733A		**Only European models of the TM-271 and TM-	PWR 6 6 4
*TM-V7/V7A/V71A		271A have the 6-pin mini-DIN Data Port. All other	
*TS-480HX/SAT		models will need to use the RJ-45 Mic cable.	PTT 3
			MIC 2
		Check Other Listings for these radios - you may be able to use the DIN, PACKET, ACCESSORY, or	SPKR 1
* Can use the SLMOD6PM		DATA jack	
Jumper Module		Julia	

## **KENWOOD**

## 13-Pin DIN Accessory Port Connector - TGR-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
G G 7 G 6 0 5 PWR 0 4 PTT 3 MIC 2 SPKR 1	G	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
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, TS-590S, TS-940 and TS-2000/X also use these settings.	This configuration is less common and is used by some newer radios ( <b>TS-690</b> for example) and some older radios such as the <b>TS-440</b> . 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).	needed.  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.  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.

\* Can use the SLMOD13K Jumper Module for Kenwood radios that have the 13 Pin Din Accessory Port Connector - See additional notes in Module Jumper section

MIDLAND	4-Pin Round Mic Connector - TGR-SL-CAB4R		
Radio Models	Pin-out	Notes	JP-1
13-510	Pin 1 – Mic Input Pin 2 – GND Pin 3 – N/C Pin 4 – PTT		G

RADIO SHACK	RJ-45 Mic Connector - TGR-SL-CABRJ4		
Radio Models	Pin-out	Notes	JP-1
HTX-212 HTX-242	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	Speaker audio is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers.	G

SGC	8-Pin Round Mic Con	nector - TGR-SL-CAB8R	1
Radio Models SGC-2020	Pin-out  Pin 1 – Mic  Pin 2 – PTT  Pin 3 – N/C  Pin 4 – N/C  Pin 5 – N/C  Pin 6 – RX Audio  Pin 7 – Mic GND  Pin 8 – GND	Notes	JP-1  G

TEN-TEC	4-Pin Round Mic Connector - TGR-SL-CAB4R				
Radio Models	Pin-out	Notes	JP-1		
Pegasus Omni VI	Pin 1 – Mic Input Pin 2 – GND Pin 3 – PTT Pin 4 – N/C	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.	G		
		Check Other Listings for these radios - you may be able to use the DIN, PACKET, ACCESSORY, or DATA jack	PWR		

TEN-TEC	5-Pin DIN Accessory Connector - TGR-SL-CAB5PD				
Radio Models	Pin-out	Notes	JP-1		
*Argonaut V *Jupiter *Omni VII *Pegasus  * Can use the SLMOD5PD Jumper Module	Pin 1 - Mic Input Pin 2 - GND Pin 3 - PTT Pin 4 - AF Output Pin 5 - NC	The Ten-Tec Jupiter must be in "Line" to use the ACCY jack (set in radio menu).	G		

TEN-TEC	8-Pin DIN Accessory Connector - TGR-SL-CAB8PD				
Radio Models	Pin-out	Notes	JP-1		
Eagle 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.	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	**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. Can use the SLMOD5PD Plug & Play per Tigertonics e-mail of 8June2011	G		

YAESU	4-Pin Round Mic Connector - TGR-SL-CAB4R				
Radio Models	Pin-out	Notes	JP-1		
FT-7B FT-101 FT-101ZD FT-221	Pin 1 – GND Pin 2 – Mic Input Pin 3 – PTT Pin 4 – N/C		G © 8 G © 7 G © 6		
11-221	1 m 4 - 1//C		PWR		

YAESU	8-Pin Round Mic Connector - TGR-SL-CAB8R					
Radio Models	Pin-out	Notes	JP-1			
*FT-1 *FT-107/107M *FT-736/736R *FT-747/757 *FT-757GX/767GX *FT-840 *FT-847** *FT-890** *FT-920** *FT-950** *FT-90** *FT-1000**/1000D** *FT-1000MP** *FT-2200 FTDX5000** *FT-5100  * Can use the SLMOD8RY	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	**On the FT-890, FT-980, 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, FT-1000MP and FTDX5000, 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	G			

When using the SLMOD8RY - check jumpers: G1 + G2 installed for: FT-890/980/990/1000/1000D (picture in section on modules)

Only G1 installed for: FT-847/920/950/1000MP

YAESU	RJ-11 Mic Connector - TGR-SL-CABRJ1				
Radio Models	Pin-out	Notes	JP-1		
FT-90/90R FT-100** FT-1500M FT-1802 FT-1900R	Pin 1 – N/C Pin 2 – N/C Pin 3 – +9V Pin 4 – GND Pin 5 – Mic Input	**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).	G 0 0 7 G 6 5		
FT-2600 FT-2800M FT-2900R FT-7800R FT-7900R FTM-350	Pin 6 – SW1 Pin 7 – N/C Pin 8 – N/C	Check Other Listings for these radios - you may be able to use the DIN, PACKET, ACCESSORY, or DATA jack	PWR 4 PTT 3 MIC 0 2 SPKR 0 0 1		

YAESU	RJ-45 Mic Connector - TGR-SL-CABRJ4					
Radio Models	Pin-out	Notes	JP-1			
FT-2400 FT-2500	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	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	G © 0 8 G © 7 G 0 6 0 5 PWR 0 4 PTT 3 MIC 2 SPKR 0 1			

YAESU	RJ-45 Mic Co	RJ-45 Mic Connector - TGR-SL-CABRJ4					
Radio Models	Pin-out	Notes	JP-1				
FT-450 FT-600 FT-817 FT-897 FT-900	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	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	G				

YAESU	6-Pin Mini DIN Data Port Connector - TGR-SL-CAB6PM				
Radio Models	Pin-out	Notes	JP-1		
*FT-100/100D *FT-450***  *FT-817/817ND *FT-840**  *FT-847**  *FT-857/897  *FT-950**  *FT-1500M *FT-7100/7800R FT-7900R *FT-8100/8800R *FT-8100/8800R  *Can use the SLMOD6PM Jumper Module	Pin 1 – Data In Pin 2 – Ground Pin 3 – PTT Pin 4 – 9600 Out Pin 5 – 1200 Out Pin 6 – Squelch	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.  **FT-950 - Some users of this radio have reported that the Notch Filter is turned on after a hard reset. If you see a "hole" in your waterfall display, then please make sure that your Notch Filter is turned OFF.  **On the FT-840 and FT-847 the 6 pin Data Port supports FM & LSB only. It may also function on only VHF (Not HF).	G		

\*\*\*NOTE: If you are using an ICOM IC-7000, IC-746PRO, or Yaesu FT-450, please note that some customers have reported that these radios have unusually sensitive Data Ports, which can make adjustment of the SignaLink's TX knob somewhat difficult. If this is the case with your radio (and the solutions listed above don't work), then you can easily resolve the issue by replacing the SignaLink's "Mic" jumper wire with a standard 1/4 watt size resistor. Both a 47K and 100K resistor have been reported by several customers to allow easy adjustment of the power level. Please note that you \*\*DO NOT\*\* solder this resistor. It simply plugs into the JP1 socket in place of the MIC jumper wire. Be sure that you use a 1/4 watt size resistor, so that you do not damage the SignaLink's socket!

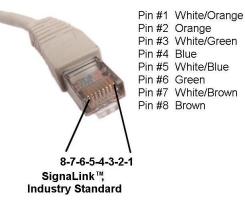
YAESU	5-Pin DIN Packet Connector - TGR-SL-CAB5PD				
Radio Models	Pin-out	Notes	JP-1		
*FT-920*	Pin 1 – Data In	*On the FT-920, the AFSK/FSK switch MUST be set			
* FT-1000***	Pin 2 – GND	to AFSK, and you must be in "Data" mode (push the			
* FT-1000D***	Pin 3 – PTT	front panel "Data" button). The Mic Gain control	G 🕒 🔘 8		
*FT-1000MP##	Pin 4 – Data Out	appears to affect the operation of the Packet jack, so			
*FT-1000MPMKV**	Pin 5 – NC	we suggest setting this to 50% and then adjusting as	G 0 7		
*FT-1000MPMKV-Field**		needed	G 🔘 🔪 🔘 6		
*FT-2000					
*FTDX-5000/D/MP		**The FT-1000MPMKV and FT-1000MKV Field	PWR 💿 📗 4		
*FTDX-9000/D/MP		MUST be in "Packet" mode (NOT USB!) for digital	PTT 💢 3		
		operation. For PSK31 or other "USB" digital modes,	MIC 2		
		you'll need to set your radio's "User Mode" (selection			
		8-6) to "PS31U". This will configure the radio to look	SPKR 🥙 💛 1		
		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.			
		***The 5-pin DIN jack on this radio supports only FM			
		and LSB, which are not compatible with the majority			
		of digital modes. We recommend connecting the			
		SignaLink to the Mic jack instead.			
* Can use the SLMOD5PD					
Jumper Module		## A link to detailed setup information for this radio is			
_		available on the TigerTronics web site.			

#### YAESU FT-847 ONLY 3.5 mm Stereo "Data I/O" Jack - TGR-SL-CABNC JP-1 Notes 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 8 - Brown G not stock a cable for this jack however, so you will need to 7 - White/Brown G build your own using one of our un-terminated radio 6 - Green G cables. The picture shows how to wire this cable and install 5 - White/Blue the jumper wires. **PWR** 4 - Blue 3 - White/Green PTT 3.5mm Stereo 1. R1 = 2.7k 1/4 watt resistor, C1 = 0.1uf non-polarized 2 - Orange MIC capacitor - White/Orange **SPKR** 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"

# Unterminated RJ-45 Cable - TGR-SL-CABNC

Cable Lengths				
	SLCAB13I	SLCAB13K	SLCAB5PD	
3ft Length	SLCAB6PM	SLCAB8PE	SLCABK3	
	SLCABNC			
18 Inch Length	SLCAB4R	SLCAB8R	SLCABRJ1	
2ft Length	SLCABRJ4			

cable. Other cables may not be wired the same.



## PLUG-N-PLAY MODULES

SLMOD6PM	SLMOD8PD	SLMOD13I	SLMOD13K	SLMODK3
ICOM	ICOM	ICOM	NOTE: If your radio is not listed	This jumper module
IC-207H	IC-275A	IC-703	below, then we recommend trying	is compatible with
IC-208H	IC-707	IC-706	jumper setting #1 first, and then	our rear panel
IC-2720H	IC-725	IC-706MKII	setting #2. You will NOT damage	Elecraft K3 radio
IC-2800	IC-728	IC-706MKIIG	your radio or the SignaLink if you	cable only (p/n
IC-2820	IC-729	IC-718	use the wrong jumper settings, but	SLCABK3 or
IC-703	IC-735	IC-7000**	your radio will not transmit properly	SLUSBK3).
IC-706MKIIG	IC-736	IC-7200	(no output power, "hot" Mic, etc.).	BLOBBRS).
IC-746PRO	IC-737	10 7200	(no output power, not mie, etc.).	
IC-7000	IC-7400	**This radio does	========	
IC-7400	IC-746	NOT mute the Mic		
IC-910H	IC-746PRO**	jack when using the	<b>Setting #1</b> - This configuration is	
16 71011	IC-756	13-pin Accy Port, so	the most common and works with	
KENWOOD	IC-756PRO	we recommend	early Kenwood radios such as the	
TM-251	IC-756PROII	using the 6-pin Mini	TS-140, TS-450S,	
TM-271**	IC-756PROIII	Din Data Port	TS-870 and TS-	
TM-271A**	IC-761	instead.	950. Some newer	
TM-451	IC-765	mstead.	radios such as the	
TM-D700	IC-775		TS-570D, TS-590S, and TS-2000/X	
TM-D700A	IC-775DSP		also use this setting.	
TM-D70071	IC-781		also use this setting.	
TM-D710A	IC-7600			
TM-D710A	IC-7700			
TM-G707	IC-7800		Setting #2 - This	
TM-733A	IC-820H		configuration is	
TM-V7	IC-821H		less common and	
TM-V7A,	IC-910H		is used by some	
TM-V7IA	IC-M700PRO		newer radios (TS-690 for example),	
TS-480HX	IC-M710		and some older radios such as the	
TS-480SAT	IC-M802		TS-440.	
15-4005/11	10-141002		15-440.	
**European only	**This jack supports HF		========	
	operation only. If you			
YAESU	want to operate both HF		Setting #3 - This config works with	
FT-100	and VHF, then you'll need		the TS-940 only.	
FT-100D	to use the 6-pin mini-DIN			
FT-817	Data Port instead.			
FT-817ND			(Samueles L'Association)	
FT-450			A A E . A A A.	
FT-847**			) 1 SLMOD	
FT-857			A	
FT-897			17000.000	
FT-950			But be a few to be an an and the few to be a few to be	
FT-1500M				
FT-7100				
FT-7800R				
FT-8100				
FT-8800R				
FT-8900R				
**Data Port supports				
VHF & UHF Packet				
only.				
<i>y</i> -		l	l	l .

SLMODKX3

This jumper module is compatible with our **Elecraft KX3** radio cable only

## PLUG-N-PLAY MODULES

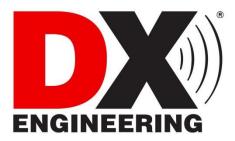
YAESU   ICOM   IC-1201/1271/275   TM-201/211/221/231   TM-201/211/231/31   TM-241/2530/2550   FT-107/07M   FT-736/736R   FT-1000MPMKV Field   IC-228/229/251AE   TM-2570   FT-736/736R   FT-736/736R   FT-736/736R   FT-7570M   FT-7576X   FT-7570M   FT-7576X   FT-7570M   FT-7576X   FT-7570M   FT-7576X   FT-7576X   FT-7570M   FT-7576X   FT-75	SLMOD5PD	SLMOD8RI	SLMOD8RK	SLMOD8RY
FT-1000MPMKV   Field   FT-2000   FT-2000MPMKV   FTDX-5000/DMP   FTDX-5000/DMP   FTDX-9000/DMP   FTD-9000/DMP   FTD-90000/DMP   FTD-900000/DMP   FTD-900000/DMP   FTD-900000/DMP   FTD-9000000/DMP   FTD-90000000000000000000000000000000000	YAESU	ICOM	KENWOOD	YAESU
FT-1000MPMKV Field   C-228/229/251AE   TM-2570   TM-321/331/3530/401   FT-757GX   FT-750751   FT-750751   FT-750751   FT-750751   FT-7500/1071	FT-920	IC-1201/1271/1275	TM-201/211/221/231	FT-107/107M
FT-1000MPMKV Field   IC-255/260/271/290   IC-2400/2500   TM-421/431/441/521   FT-57GX   FT-FT-2000   TM-421/431/441/521   FT-76TGX   FT-8000/D/MP   C-3200/3210/3220   TM-701/721/731   FT-800   FT-800   FT-900/950   TM-501/541/621/631   FT-890   FT-900/950   FT-900/950   TS-50/601/40/430/440   FT-920/950   FT-900/950   FT-9	FT-1000MP	IC-22U/25/27/28	TM-241/2530/2550	FT-736/736R
FT-2000	FT-1000MPMKV		TM-2570	FT-747/757
FTDX-9000/DMP	FT-1000MPMKV Field	IC-255/260/271/290	TM-321/331/3530/401	FT-757GX
FTDX-9000/D/MP  IC-320/03210/3220 IC-45/47/48 IC-471/475/490 TEN-TEC IC-505/551/560/575 TS-50/60/140/430/440 TF-980/990 TEN-TEC IC-7367/75726 TS-50/60/140/430/440 TF-980/990 TF-1000/1000D TF-1000/1000D FF-1000/1000D FF-1000/100D FF			TM-421/431/441/521	
IC-45/47/48 IC-471/475/490 IC-505/551/560/575 TEN-TEC Argonaut V IC-707/18/720/725/726 IC-707/18/720/725/726 TS-450/570/660/670 TFI-1000/1000D FTI-000MP FTI-1000/1000D FTI-1000/1000D FTI-000MP FTI-1000/1000D FTI-000MP FTI-1000/1000D FTI-000MP FTI		IC-37A/38A/375		
TEN-TEC IC-505/551/560/575 TS-450/570/660/40/430/440 FT-1000/1000D FT-1000/1000D TS-680/690/701/711 FT-1000/1000D	FTDX-9000/D/MP	IC-3200/3210/3220		
TEN-TEC Argonaut V Injurer IC-707/1187/20/725/726 IC-307/3187/30/35 Omni VII Pegasus IC-736/37/38/40/745 Pegasus IC-736/756PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/750PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/760II/PROIII IC-751/61/765/775/781 IC-820H/901/910  **These radio's use an Ba-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  PWR / SPKR Jumper Settings - To maintain compatibility with as many radios as possible, this jumper module has two small jumpers that can be set to enable Power and Speaker Audio.  PWR - This jumper is *NOT* used with the SignaLink USB, but can be installed to power the older SignaLink USB, but can be installed for the FT-890, FT-990, FT-990, FT-990, FT-990 and FT-1000MP.  PWR - This jumper should only be installed if your radio has Speaker Audio on Pin #8 of the Mic jack (check your radio manual). If Speaker Audio is no Pin #8 of the Mic jack (check your radio manual). If Speaker Audio is no Pin #8 of the Mic jack (check your radio manual). If Speaker Audio is no Pin #8 of the Mic jack (check your radio manual). If Speaker Audio is no Pin #8 of the Mic jack (check your radio manual). If Speaker Audio is no Pin #8 of the Mic jack (check your radio manual). If Speaker Audio is no Pin #8 of the Mic connector (check your radio)  PWR - This jumper should only be installed for your radio is no Pin #5 of the Mic connector (check your radio)  PWR - This jumper should only be installed for the FT-847, FT-990, FT-990, FT-990 and FT-1000MP.  PWR - This jumper should only be installed for the FT-847, FT-990, F				
Argonaut V Jupiter IC-728/729/730/735 IC-728/729/730/735 IC-736/746PRO IC-746/746PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/750PRO IC-756/756PRO IC-756/756PRO IC-756/750PRO IC-746/746PRO IC-7400/740/780P IC-7400/740/780P IC-7400/740/780P IC-7400/740/780P IC-				
Jupiter Omi VII IC-736/737738/740/745 Pegasus Pegasus IC-746/746PRO IC-756/756PRO IC-756/756PRO IC-756/756PRO IC-756/75780II/PROIII IC-7400/7700/7800 Orion II**  **These radio's use an 8-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  PWR / SPKR Jumper Settings - To maintain compatibility with as many radios as possible, this jumper module has two small jumpers that can be set to enable Power and Speaker Audio.  PWR - This jumper is *NOT* used with the SignaLink USB, but can be installed to power the older SignaLink SL-1 or SL-1+ model from your radio if there is sufficient power available on Pin #2 of the Mic connector (check your radio manual).  SPKR - This jumper should only be installed if your radio has Speaker Audio on Pin #8 of the Mic jack (check your radio manual). If Speaker Audio isn't available, then you'll need to with the Mic jack (check your radio available, then you'll need to with the Mic jack (check your radio if there is sufficient power available on Pin #3 of the Mic connector (check your radio if there is sufficient power available on Pin wavailable, then you'll need to with the Mic jack (check your radio if the Mic connector (check your radio if the Mic jack (check your radio in available, then you'll need to with the Mic connector (check your radio) available, then you'll need to with the Mic connector (check your radio) the Mic connector (check your				
Omni VII Pegasus IC-746/746PRO IC-756/FSPRO Eagle** Orion ** Orion II**  **These radio's use an 8-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  **PWR / SPKR Jumper Settings - To maintain compatibility with as many radios as possible, this jumper module has two small jumpers that can be set to enable Power and Speaker Audio.  **PWR - This jumper is *NOT* used with the SignaLink USB, but can be installed to power the older SignaLink USB, but can be installed if your radio in #2 of the Mic connector (check your radio manual). If Speaker Audio in Pin #8 of the Mic jack (check your radio manual). If Speaker Audio in 18 Speaker Audio in Pin #8 of the Mic jack (check your radio manual). If Speaker Audio in Pin #8 of the Mic jack (check your radio manual). If Speaker Audio in Pin #5 of the Mic connector (lenck your lavailable, then you'll need to inconector (check your radio the Mic connector (lenck your radio the Mic connector (lenck your radio the North available, then you'll need to inconector (lenck your radio the Mic connector) and the Proposed in #2 of the Mic connector (lenck your radio the Mic jack (check your radio available, then you'll need to inconector (lenck your radio the Mic connector) and the Proposed in the Value of the Mic connector (lenck your radio the Mic connector) and the Proposed in the Value of the Mic connector (lenck your radio the Mic connector) and the Proposed in the Mic connector (lenck your radio the Mic connector) and the Proposed in the Value of the Mic connector (lenck your radio the Mic connector) and the Proposed in the Value of the Mic connector (lenck your radio the Mic connector) and the Proposed in the Value of the Mic connector (lenck your radio the Mic connector (lenck your radio the Mic connector (lenck your radio) the Mic connector (				
Pegasus    IC-746/746PRO   IC-756/756PRO   IC-756PROII/PROIII   IC-7400/7700/7800   IC-751/761/765/775/781   IC-820H/901/910   ALINCO   AL				
IC-756/756PRO   IC-756/PROII/PROIII   IC-7400/700/7800   ALINCO   ALINCO   with as many radios as   possible, this   jumper settings   To maintain compatibility with as many radios as possible, this   jumper should only   be installed if your radio manual).				FT-5100
Eagle** Orion #* Orion #* Orion II**    C-756PROII/PROIII   IC-7400/7700/7800   IC-7400/7700/7801   IC-7400/7700/7801   IC-7400/7700/7801   IC-820H/901/910   ALINCO   ALINCO	Pegasus			
Orion** Orion II** Orion II**  IC-7400/7700/7800 IC-751/761/765/775/781 IC-820H/901 /910  **These radio's use an 8-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  PWR / SPKR Jumper Settings - To maintain compatibility with as many radios as possible, this jumper module has two small jumpers that can be set to provide additional Ground ("C") connections needed by some radios (see below). These two jumpers should be installed as follows for the following radios only. Do 8*NOT* install either jumper if your radio isn't listed below:  PWR - This jumper should only be installed if your radio has Speaker Audio on Pin #8 of the Mic jack (check your radio manual). If Speaker Audio isn't available, then you'll need to the Mic connector (check your radio available, then you'll need to the Mic connector (check your radio)  ALINCO ALD-24T  ALR-22T/22HT/72T  DR-130T/135E/135T  DR-150/235T  DR-430T/435E/435T  DR-500T/599T  DR-620E/620T  DR-620E/620T  DR-620E/620T  DR-620E/620T  DR-77/0TH/70EH  DX-77  DX-70T/70TH/70EH  DX-77  PWR / SPKR Jumper Settings - To maintain compatibility with as many radios as possible, this jumper should enalt can be set to provide additional Ground ("C") connections needed by some radios (see below). These two jumpers should be installed as follows for the following radios only. Do *NOT* install either jumper if your radio isn't listed below:  PWR / SPKR Jumper Settings - To maintain compatibility with as many radios as possible, this jumper should be installed for the FT-80, FT-980, FT-990, FT-980, FT-990, FT-980, FT-990 and FT-1000MP.  SPKR - This jumper is *NOT* used with the SignaLink USB, but can be installed to power the older SignaLink SL-1 or SL-1+ model from your radio if there is sufficient power available on Pin #5 of the Mic connector (check your radio) the Mic connector (check your r	l _		TW-4000/4100	
Orion II**  **These radio's use an 8-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  **These radio's use an 8-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  **These radio's use an 8-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  **These radio's use an 8-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  **These radio's use an 8-pin DIN radio cable, but 12-12-Time DIN radio cable, but 12-12-Time DIN radio cable, but 12-12-Time DIN radio say possible, this jumper settings additional Ground ("G") connections needed by some radios (see below). These two jumpers should be installed as follows for the following radios only. Do *NOT* install either jumper if your radio isn't listed below:  **OFT-900 F1-900 PWR / SPKR Jumper Settings - To maintain compatibility with as many radios as possible, this jumper settings and be set to provide additional Ground ("G") connections needed by some radios (see below). These two jumpers should be installed as follows for the following radios only. Do *NOT* install either jumper if your radio isn't listed below:  **PWR - This jumper settings - To maintain compatibility with as many radios as possible, this jumper should be installed for the FT-890, FT-990, FT-990, FT-990, FT-990, FT-990, FT-990, FT-950 and FT-1000MP.  **PWR - This jumper is *NOT* used with the SignaLink USB, but can be installed to power the older SignaLink USB, but can be installed to power the older SignaLink USB, but can be installed for the FT-847, FT-90, FT-950 and FT-1000MP.				
**These radio's use an 8-pin DIN radio cable, but the jumper settings required are the same as those used by the 5-pin DIN cable.  PWR / SPKR Jumper Settings - To maintain compatibility with as many radios as possible, this jumper shat can be set to enable Power and Speaker Audio.  PWR - This jumper is *NOT* used with the SignaLink USB, but can be installed to power the older SignaLink SL-1 or SL-1+ model from your radio manual).  SPKR - This jumper should only be installed if your radio manual).  SPKR - This jumper should only be installed if your radio has Speaker Audio on Pin #8 of the Mic jack (check your radio manual). If Speaker Audio isn't available, then you'll need to  IC-820H/901 /910  ALR-22T/22HT/72T DR-110T/112T  DR-130T/135E/135T DR-430T/435E/435T DR-510T/570T DR-590T/592T/599T DR-510T/570T DR-50OT/592T/599T DR-510T/570T DR-620E/620T DR-50OT/510E/610T DR-510T/570T DR-620E/620T DR-50OT/592T/599T DR-620E/620T DR-50OT/592T/599T DR-620E/620T DR-757OT/70TH/70EH DR-30T/135E/135T DR-10T/135E/135T DR-430T/435E/435T DR-10T/12T DR-10T/135T DR-430T/435E/435T DR-10T/570T DR-430T/435E/435T DR-10T/61S DR-430T/435E/435T DR-10T/570T DR-430T/435E/435T DR-10T/61S				
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### **Plug-N-Play Module Installation Instructions**

The installation of the of the Plug & Play jumper modules is very simply, but you need to be careful that you don't bend any of the pins, or they may break off and become stuck inside the SignaLink's socket. You should not have any trouble if you are just the slightest bit careful, but please note that broken pins and/or any damage to the jumper module or the SignaLink as a result of broken pins, is not covered under warranty. Also, before installing any jumper module, please verify that you are installing the correct module for the radio and/or radio cable you will be using (see part numbers shown above!). It is possible to damage your radio and/or the SignaLink by installing the wrong jumper module, or by installing it backwards, so please check carefully before proceeding. The header pins used on all jumper modules are small and relatively sharp, so be careful that you don't stick a finger!

- Module Insertion To install the jumper module, place it lightly on the SignaLink's JP1 jumper socket being careful to align the notch on the jumper module (white board outline) with the notch on the SignaLink's circuit board (white colored outline around the JP1 jumper socket). Carefully look at each pin to make sure that all pins are centered in the socket holes, and then gently press down evenly on the module until it is seated securely in the socket. Be careful not to press on any jumper pins that might be mounted on the top of the jumper module (SLMOD13K, SLMOD8RI, etc.).
- Special Jumpers Some jumper modules have one or two special jumpers that may need to be set for your radio (the <a href="PTT Configuration Jumper">PTT Configuration Jumper</a> for the SLMOD13K module is a good example). If this applies to the jumper module that you are installing, then be sure to see the jumper notes in the appropriate compatible radio links shown above.
- Module Removal To remove the jumper module, you will need to pull it straight out while being careful not to bend any pins in the process. Be careful not to drop the module when it pulls loose from the socket! We suggest gripping the module firmly with a pair of pliers, but any suitable tool can be used. Some customers have removed the jumper module with a flat blade screwdriver by slowly prying up on both ends a little at a time until it is out. This is ok ONLY if you lift each end up just the slightest bit (going back and forth from one end to another) so that the pins are not bent in the process. If you remove the module this way, you need to go very slow and be sure that you don't lift too much on one end, or put pressure on any of the parts that are mounted on the SignaLink's circuit board.

NOTE: Each jumper module is carefully inspected before being packaged and shipped to insure that all pins are straight and the module is in perfect mechanical condition. We use only high quality gold-plated pin strip header, and the header is designed specifically to plug into the machined socket on the SignaLink circuit board <u>repeatedly</u>. However, it is important that the pins do not become bent during installation or removal of the module, or they may break and become lodged in the SignaLink's socket. This is NOT covered under warranty and you would need to return the SignaLink to the factory to have the socket replaced, as well as purchase a new jumper module.



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