



TGR-SL-USB SignaLink™ USB

RADIO USB SPKR AUX MON SPKR AUX TIGERTONIS COM

Cable List - Rev 53

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Tigertronics SignaLinkTM 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 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 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!
- 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.
- 1-2-3-4-5-6-7-8 8-7-6-5-4-3-2-1
 SignaLink™, Kenwood, Yaesu,
 Industry Standard Some Others
- 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.

Tigertronics SignaLink Combos

TOD OLUGDAN D	COMBO:	SignalLink USB, with Built-In Sound Card, 13-Pin
TGR-SLUSB13I-P	TGR-SL-USB, TGR-SL-CAB13I	DIN Cable for Icom Acc. Port, Combo
TGR-SLUSB13K-P	COMBO:	SignalLink USB, with Built-In Sound Card, 13-Pin
IGK-SLUSDISK-P	TGR-SL-USB, TGR-SL-CAB13K	DIN Cable for Kenwood Acc. Port, Combo
TGR-SLUSB4R-P	COMBO:	SignalLink USB, with Built-In Sound Card, 4-Pin
TON-SLUSD4N-F	TGR-SL-USB, TGR-SL-CAB4R	Round Mic Cable, Combo
TGR-SLUSB5PD-P	COMBO:	SignalLink USB, with Built-In Sound Card, 5-Pin
TOR OLOODOI D I	TGR-SL-USB, TGR-SL-CAB5PD	DIN Cable, Combo
TGR-SLUSB6PM-P	COMBO:	SignalLink USB, with Built-In Sound Card, 6-Pin
TOR OLOODOI III I	TGR-SL-USB, TGR-SL-CAB6PM	mini DIN Cable, Combo
TGR-SLUSB8PD-P	COMBO:	SignalLink USB, with Built-In Sound Card, 8-Pin
TOR OLOODOI D I	TGR-SL-USB, TGR-SL-CAB8PD	DIN Cable, Combo
TGR-SLUSB8R-P	COMBO:	SignalLink USB, with Built-In Sound Card, 8-Pin
1011 02000011	TGR-SL-USB, TGR-SL-CAB8R	Round Mic Cable, Combo
TGR-SLUSBHTW-P	COMBO:	SignalLink USB, with Built-In Sound Card, 36 in.
	TGR-SL-USB, TGR-SLCABHTW	Length Cable, Combo
TGR-SLUSBHTY-P	COMBO:	SignalLink USB, with Built-In Sound Card, 36 in.
	TGR-SL-USB, TGR-SLCABHTY	Length YaesuCable, Combo
TGR-SLUSBK3-P	COMBO:	SignalLink USB, with Built-In Sound Card, Elecraft
IGK-SLUSDKS-P	TGR-SL-USB, TGR-SL-CABK3	K3's rear panel Line In/Out and PTT jacks, Combo
TOD OLLIODIANA D	COMBO:	SignalLink USB, with Built-In Sound Card, Elecraft
TGR-SLUSBKX3-P	TGR-SL-USB, TGR-SLCABKX3	KX3's Mic and Phones jacks, Combo
TOD SUIJEDNIC D	COMBO:	SignalLink USB, with Built-In Sound Card, Un-
TGR-SLUSBNC-P	TGR-SL-USB, TGR-SL-CABNC	terminated Radio Cable, Combo
TGR-SLUSBRJ1-P	COMBO:	SignalLink USB, with Built-In Sound Card, RJ-11
I GR-SLUSBRJ I-P	TGR-SL-USB, TGR-SL-CABRJ1	Mic Cable, Combo
TGR-SLUSBRJ4-P	COMBO:	SignalLink USB, with Built-In Sound Card, RJ-45
I UK-SLUSDKJ4-P	TGR-SL-USB, TGR-SL-CABRJ4	Mic Cable, Combo

The Tigertronics SL-USB SignaLink is sold as a combo package that includes the SignaLink USB, one Radio Cable, one USB Cable, one software disc, jumper wires and instructions.

Cables are available separately.

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-SLUSB8R-P		
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- SLUSB8R-P		
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/1200 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-SLUSBRJ4-P			
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-SLUSB8R-P			
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	

DRAKE	4-Pin Round Mic Connector - TGR-SLUSB4R-P		
Radio Models	Pin-out	Notes	JP-1
TR-7	Pin 1 – Mic Input		
TR-22	Pin 2 – PTT		G 💿 💿 8
TR-33	Pin 3 – N/C		G 🔘 🦳 7
UV-3	Pin 4 – GND		G 🔾 🌀 6
			🕥 🕥 5
			PWR 💿 🔪 4
			PTT 🔾 🌀 3
			MIC 2
			SPKR 0 1

ELECRAFT	8-Pin Round Mic Connector - TGR-SLUSB8R-P		
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

ELECRAFT	Rear Panel Audio In, Audio Out and PTT connectors - TGR-SLUSBK3-P		
Radio Models	Pin-out	Notes	JP-1
K3 only	Pin 1 - SPKR Pin 2 - GND Pin 3 - MIC Pin 4 - PTT Pin 5 - GND Pin 6 - GND Pin 7 - 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	G
Check the SLMODK3 Jumper Module list	Pin 8 - N/C	Out" level, which can be turned up if needed to increase the RX Audio going into the SignaLink	MIC 2 SPKR 1

ELECRAFT	Mic Connector - TGR-SLUSBKX3-P			
Radio Models	Pin-out	Notes	JP-1	
Check the SLMODKX3 Jumper Module list	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: 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. The "Mic Btn" setting should be set to either "PTT", or "PTT Up.Dn.". 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-SLUSB4R-P		
Radio Models	Pin-out	Notes	JP-1
IC-22 IC-202/215/245/280 IC-402 IC-502/551 IC-701	Pin 1 – Mic Input Pin 2 – PTT Pin 3 – N/C Pin 4 – GND		G © 8 G © 7 G 0 6 0 5 PWR 0 4 PTT 0 3 MIC 2 SPKR 0 1

ICOM	8-Pin Round N	Mic Connector - TGR-SLUSB8R-P	
Radio Models	Pin-out	Notes	JP-1
IC-22U/25/27/28 IC-37A/38A/375 IC-45/47/48 IC-255/260/271/290 IC-255/260/271/290 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-751 IC-756/PROII/PROIII IC-756/756PROII IC-756/75781 IC-820H/901/910 IC-1201/1271/1275 IC-2400/2500 IC-3200/3210/3220/3230 IC-7400/7600/7700/7800 Check the SLMOD8RI Jumper Module list	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**	**Speaker audio (usually Pin #8) is available on some models. Check your radio manual for availability of these signals and add the appropriate jumpers. 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". Check Other Listings for these radios - you may be able to use the DIN, PACKET, ACCESSORY, or DATA jack	G

ICOM	RJ-45 Mic Connector - TGR-SLUSBRJ4-P			
Radio Models	Pin-out	Notes	JP-1	
IC-207H**/208H**	Pin 1 – +8V***	***Speaker audio is available on some models. Check	90	
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-2300H**	Pin 6 – Mic Input	this radio, so do <u>NOT</u> install the SPKR jumper wire.	PWR 4	
IC-2700**/2720H**	Pin 7 – GND	Instead, use the supplied audio cable as detailed in the	PTT 3	
IC-2730A/E**	Pin $8 - N/C$	SignaLink USB manual	MIC 2	
IC-2800**/2820**		_	SPKR 1	
IC-7000**/ IC-7100**		Check Other Listings for these radios - you may be	SPAR CONTRACTOR	
IC-V8000**		able to use the DIN, PACKET, ACCESSORY, or		
ID-800H** /880**		DATA jack		
ID-5100A/E**		Į ,		

ICOM	6-Pin Mini DI	6-Pin Mini DIN Data Port Connector - TGR-SLUSB6PM-P		
Radio Models	Pin-out	Notes	JP-1	
IC-207H/208H IC-2720H IC-2800*** IC-2820 IC-703** IC-766MKIIG** IC-746PRO*** IC-7100 IC-7400 IC-910H## ID-880 IC-9100 Check the SLMOD6PM Jumper Module list	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. **703 - If you are using the Data Port on this radio, then you must set menu #36 to 1200. **706MKIIG - If you are using the Data Port on this radio, then you must set menu #29 to 1200. ***IC-746PRO / IC-7000 - Some users have reported that this radio has a very sensitive Data Port, making power adjustments with the SignaLink USB's TX knob somewhat touchy. ****Mic audio is NOT muted on this radio. ## IC-910H: You will need to connect the SignaLink to the "Main" data port connection on this radio (not the "Sub" port)	G	

*** NOTE: The SignaLink USB's TX control is "touchy", making it difficult to control my RF power - This is most likely because the radio's Mic, Data or Accy Port gain control is set too high, but before continuing, please be sure that you have NOT installed special jumper JP3 inside the SignaLink. This jumper is rarely needed, and will normally cause the SignaLink to provide too much audio to the radio making adjustment of the TX knob difficult. If the SignaLink is attached to your radio's Mic jack, then you can resolve this issue by turning the radio's Mic Gain control down. If the SignaLink is attached to the radio's Data or Accy Port, then your radio likely has a menu setting or trimmer to adjust the gain. This gain adjustment is often called "Packet Input Level" or "Packet Gain", but may have another name, so check your radio manual carefully. Note that the radio's Mic Gain control on some older radios may also affect the Data/Accy Port (TS-440 for example), so you should check this as well.

If the above solutions don't help, then we suggest that you install Special Jumper JP4 inside the SignaLink and LOWER the software "Wave" control for the SignaLink's sound card. Note that the "wave" control is the "Applications" volume control if you are using Windows Vista, or Windows 7. The "Wave" control can be lowered to just *above* the point where the SignaLink's PTT LED turns OFF, so as to provide minimal TX Audio to the radio while insuring that the SignaLink's PTT circuit functions correctly. We recommend finding this threshold while transmitting a steady test tone, and with the SignaLink's Delay knob set to minimum.

*** 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	24 Pin DIN Accessory Port Connector - TGR-SLUSBNC-P			
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 SL-CABNC). 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 5 PWR 4 PTT 3 MIC 2 SPKR 1	

ICOM	8-Pin DIN Acces	8-Pin DIN Accessory Port Connector - TGR-SLUSB8PD-P			
Radio Models	Pin-out	Notes	JP-1		
IC-275A	Pin 1 - RTTY or N/C	IMPORTANT: This diagram is for the ACCY			
IC-575A/H	Pin 2 - Ground	PORT only. If the SignaLink is attached to your	G 💿 💮 8		
IC-707	Pin 3 - Send	radio's 8-pin Round Mic Jack, then please see the	G 🔘 🥟 7		
IC-725/726/728/729	Pin 4 - Mod In	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-USB"	PWR 4		
IC-746**	Pin 7 - +13.8V	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 Mic			
IC-775/775DSP		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 the			
IC-910H/970		6-pin mini-DIN Data Port instead.			
IC-7600/7700/7800	Check the	**IC-746PRO users should use "USB/LSB Data"			
IC-M600	SLMOD8PD	mode (not regular USB/LSB).			
IC-M700 PRO	Jumper Module list	***IC-820H users need to set the Modulation			
IC-M710		Input Sensitivity switch to "Low", and the Baud			
IC-M802		Rate Selection switch to "AMOD".			

ICOM	13-Pin DIN A	13-Pin DIN Accessory Port Connector - TGR-SLUSB13I-P			
Radio Models	Pin-out	Notes	JP-1		
IC-78 IC-703 IC-706 IC-706 MkII IC-706 MkIIg IC-718*** IC-7000** IC-7100** IC-7200 IC-7410 IC-9100 Check the SLMOD13I	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. **This radio does NOT mute the Mic jack when using the Accy Port, so you will need to turn the Mic Gain	G		
Jumper Module list		down, or use the 6-pin Mini Din Data Port instead.			

Japan Radio Company		8-Pin Round Mic Connector - TGR-SL	USB8R-P
Radio Models	Pin-out	Notes	JP-1
JST-145 JST-245	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		G

KENWOOD	4-Pin Round Mic Connector - TGR-SLUSB4R-P			
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 (i) 4	
TS-820/830				
			PTT 3	
			MIC 2	
			SPKR O 1	

KENWOOD	8-Pin Round	8-Pin Round Mic Connector - TGR-SLUSB8R-P			
Radio Models	Pin-out	Notes	JP-1		
TM-201/211/221/231 TM-241/2530/2550 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-930/940/950/990 TS-2000 TW-4000/4100 Check the SLMOD8RK	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 5 PWR 9TT 3 MIC SPKR 1		
Jumper Module list					

KENWOOD	RJ-45 Mic Co	RJ-45 Mic Connector - TGR-SLUSBRJ4-P			
Radio Models	Pin-out	Notes	JP-1		
TK-90 TK-7102H / 7108M/HM TK-7160E/M/HM / 7162E TK-7180E / 7189E TK-8108M/HM TK-8160E/M TK-8160E/M TK-8162E / 8180E / 8189 TM-251/255/261/271/281 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/V71E TM-V708 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		

KENWOOD	6-Pin Mini DIN Port Connector - TGR-SLUSB6PM-P		
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		0 5
TM-733A		**Only European models of the TM-271 and TM-	PWR 6 4
TM-V7/V7A/V71A		271A have the 6-pin mini-DIN Data Port. All other	
TM-V708		models will need to use the RJ-45 Mic cable.	PTT 3
TS-480HX/SAT			MIC 2
		Check Other Listings for these radios - you may be	SPKR 🗪 1
Check the SLMOD6PM		able to use the DIN, PACKET, ACCESSORY, or DATA jack	
Jumper Module list		DATA Jack	

KENWOOD

13-Pin DIN Accessory Port Connector - TGR-SLUSB13K-P

Our 13-pin cable works with <u>ALL</u> 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 <u>NOT</u> 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.

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, TS-590S, TS-990 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. 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-SLUSB4R-P		
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-SLUSBRJ4-P				
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 Connector - TGR-SLUSB8R-P			
Radio Models	Pin-out	Notes	JP-1	
SGC-2020	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		G	

TEN-TEC	4-Pin Round	4-Pin Round Mic Connector - TGR-SLUSB4R-P			
Radio Models	Pin-out	Notes	JP-1		
Omni VI Pegasus Scout	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 0 4 PTT 3 MIC 2 SPKR 0 1		

TEN-TEC	5-Pin DIN Ac	5-Pin DIN Accessory Connector - TGR-SLUSB5PD-P			
Radio Models	Pin-out	Notes	JP-1		
Argonaut V Jupiter Omni VII Pegasus	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		
Check the SLMOD5PD Jumper Module list			PWR 4 3 MIC SPKR 1		

TEN-TEC	8-Pin DIN Accessory Connector - TGR-SLUSB		PD-P
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 M	ic Connector - TGR-SLUSB4R-P	
Radio Models	Pin-out	Notes	JP-1
FT-7B	Pin 1 – GND		
FT-101	Pin 2 – Mic Input		G 💿 📗 8
FT-101ZD	Pin 3 – PTT		G 🔘 🦳 7
FT-221	Pin 4 – N/C		G 🕒 🕝 6
FT-227R			6 5
FT-901DM			PWR (0) (0) 4
			PTT 3
			MIC 2
			SPKR 0 1

YAESU	8-Pin Round	Mic Connector - TGR-SLUSB8R-P	
Radio Models	Pin-out	Notes	JP-1
FT-1 FT-102/107/107M FT-290 FT-707/736/736R FT-747/757 FT-757GX/767GX FT-840 FT-847** FT-890** FT-920**/950**/980** FT-900**/1000D** FT-1000MP**/DX1200** FT-2000/2200 FTdx5000** FT-5100 Check the SLMOD8RY Jumper Module list	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

YAESU	RJ-11 Mic Connector - TGR-SLUSBRJ1-P		
Radio Models	Pin-out	Notes	JP-1
FT-90/90R	Pin 1 – N/C	**With the FT-100, the PTT jumper MUST be replaced	G O O 8
FT-100**	Pin 2 - N/C	with a standard 1/4 watt 27k resistor.	
FT-1500M	Pin 3 – +9V		G © 7
FT-1802 / 1900R	Pin 4 – GND	Other Yaesu models with an RJ-11 Mic jack might also	G 6
FT-2600	Pin 5 – Mic Input	use these same settings (check your radio manual).	0 V
FT-2800M	Pin 6 – SW1		PWR 4
FT-2900R	Pin 7 - N/C	Check Other Listings for these radios - you may be	PTT 3
FT-7800R/7900R	Pin $8 - N/C$	able to use the DIN, PACKET, ACCESSORY, or	MIC © 2
FTM-350		DATA jack	SPKR O O 1

YAESU	RJ-45 Mic Co	RJ-45 Mic Connector - TGR-SLUSBRJ4-P			
Radio Models	Pin-out	Notes	JP-1		
FT-2400 FT-2500 System 600	Pin 1 – N/C Pin 2 – See text Pin 3 – PTT Pin 4 – Mic Input Pin 5 – GND Pin 6 – N/C Pin 7 – See text 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. Add either a jumper from Pin 7 to Pin SPKR, or as shown Pin 2 to SPKR. Check Other Listings for these radios - you may be able to use the DIN, PACKET, ACCESSORY, or DATA jack	G		

RJ-45 Mic Connector - TGR-SLUSBRJ4-P		
Pin-out	Notes	JP-1
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	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
	Pin-out Pin 1 – N/C Pin 2 – N/C Pin 3 – N/C Pin 4 – Mic GND Pin 5 – Mic Pin 6 – PTT	Pin 1 – N/C Pin 2 – N/C Pin 3 – N/C Pin 3 – N/C Pin 4 – Mic GND Pin 5 – Mic Pin 6 – PTT Pin 7 – GND 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

YAESU	6-Pin Mini DI	5-Pin Mini DIN Data Port Connector - TGR-SLUSB6PM-P			
Radio Models	Pin-out	Notes	JP-1		
FT-100/100D FT-817/817ND FT-450* FT-840** FT-847** FT-857/897 FT-950*** FT-991 FT-1500M FT-7100/7800R FT-7900R FT-8100/8500 FT-8800R/8900R FTDX-1200 FTDX-3000 FTM-350** FTM-400## VX-1700 Check the SLMOD6PM Jumper Module list	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. Power is not available on any 6-pin mini DIN Data Port, so you will need to use external power for the SignaLink Model SL-1+. *FT-450 - Some users have reported that this radio has a very sensitive Data Port, making power adjustments with the SignaLink USB's TX knob somewhat touchy. If this is the case with your radio, then please click here for a simple solution to this problem. ***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. **The 6-pin mini-DIN Data Port on the FT-840 and FT-847 supports FM and LSB only. It may also function only on VHF (not HF). Because of this, we recommend using the Mic jack, or on the FT-847, the Data I/O jack (see below). **The FTM-350 requires Yaesu's CT-141 adapter to convert from it's (unusual) 8-pin mini-DIN connector to a standard 6-pin mini-DIN. This adapter should be available from any authorized Yaesu dealer. ## The FTM-400 requires Yaesu's CT-164 adapter to convert from it's 10-pin mini-DIN connector to a standard 6-pin mini-DIN. This adapter should be available from any authorized Yaesu dealer.	G		

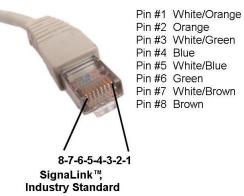
***NOTE: If you are using an ICOM IC-7000, IC-746PRO, or Yaesu FT-450, please note that some customers have reported that these radios have unusually sensitive Data Ports, which can make adjustment of the SignaLink's TX knob somewhat difficult. If this is the case with your radio (and the solutions listed 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 Pa	5-Pin DIN Packet Connector - TGR-SLUSB5PD-P			
Radio Models	Pin-out	Notes	JP-1		
FT-920* FT-1000*** FT-1000D*** FT-1000MP## FT-1000MPMKV** FT-1000MPMKV-Field** FT-2000 FTDX-5000/D/MP FTDX-9000/D/MP	Pin 1 – Data In Pin 2 – GND Pin 3 – PTT Pin 4 – Data Out Pin 5 – NC	*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. ***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.	G		
Check the SLMOD5PD Jumper Module List		## 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-SLUSBNC-P	
Notes		JP-1	
For the FT-847, we recommend that you to the "Data I/O" jack. This jack works let you keep your microphone plugged in not stock a cable for this jack however, should your own using one of our un-term cables. The picture shows how to wire the jumper wires. Notes: 1. R1 = 2.7k 1/4 watt resistor, C1 = 0.1u	for all modes and will nto the radio. We do so you will need to ninated radio his cable and install	G O 8 - Brown 7 - White/Brown 6 - Green O 5 - White/Blue PWR O 4 - Blue PTT O 3 - White/Green 2 - Orange	
 capacitor 2. To prevent damage to socket JP1, the C1's leads should be no larger than those jumper wires (24 gauge). 3. The wire colors shown are for our uncable. Other cables may not be wired the 	e of the supplied terminated ("NC"	SPKR 1 - White/Orange	

Unterminated RJ-45 Cable - TGR-SL-CABNC

Cable Lengths						
	SLCAB13I	SLCAB13K	SLCAB5PD			
3ft Length	SLCAB6PM	SLCAB8PD	SLCABK3			
	SLCABNC					
18 Inch Length	SLCAB4R	SLCAB8R	SLCABRJ1			
2ft Length	SLCABRJ4					



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.).	BEOBERS).
IC-746PRO	IC-737	10 7200	(no output power, not wire, etc.).	
IC-7000	IC-7400	**This radio does		
IC-7400	IC-746	NOT mute the Mic		
IC-910H	IC-746PRO**	jack when using the	Setting #1 - 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-7501 KOIII	instead.	950. Some newer	
TM-451	IC-765	msteau.	radios such as the	
TM-431 TM-D700	IC-765 IC-775		TS-570D, TS-590S, and TS-2000/X	
TM-D700A	IC-775DSP		also use this setting.	
TM-D700A	IC-7/3D31 IC-781		also use this setting.	
TM-D710 TM-D710A	IC-7600			
TM-D710A TM-D710E	IC-7000 IC-7700			
	IC-7700 IC-7800		Setting #2 - This	
TM-G707 TM-733A	IC-820H		configuration is	
TM-733A TM-V7	IC-820H IC-821H		less common and	
	IC-910H			
TM-V7A,	IC-910H IC-M700PRO		is used by some newer radios (TS-690 for example),	
TM-V71A TS-480HX	IC-M710		and some older radios such as the	
TS-480SAT	IC-M802		TS-440.	
**European only	IC-W1802		15-440.	
· · European only	**This is als summents HE			
YAESU	**This jack supports HF operation only. If you			
FT-100	want to operate both HF		Setting #3 - This configuration	
FT-100D	and VHF, then you'll need		works with the TS-940 only.	
FT-817	to use the 6-pin mini-DIN		works with the 13-940 only.	
FT-817ND	Data Port instead.			
FT-450	Data Fort instead.		199 14 E WO ST	
FT-847**	SLMOD8PD - This jumper		5 1 SLMOD	
FT-857	module is compatible with		126 6 9 9 9 9 m	
FT-897	virtually all ICOM radios that			
	have an 8-pin DIN Accy			
FT-950 FT 1500M	Port. This includes but is not			
FT-1500M FT-7100	limited to the radios listed			
FT-7800R	below. Be sure to see our			
	radio wiring and jumper			
FT-8100 FT-8800R	settings page for any special notes on your radio (menu			
FT-8800R FT-8900R	settings, etc.).			
	55ttings, 6tc.).			
**Data Port supports VHF & UHF Packet	NOTE: This module is for			
	ICOM radios only. It cannot			
only.	be used with other radio			
	brands even if they use the			
	same type of ACCY Port			
	connector (Ten-Tec, etc.).			

SLMODKX3 This jumper module is compatible with our Elecraft KX3 radio cable only

PLUG-N-PLAY MODULES

SLMOD5PD	SLMOD8RI	SLMOD8RK	SLMOD8RY
YAESU	ICOM	KENWOOD	YAESU
FT-920	IC-1201/1271/1275	TM-201/211/221/231	FT-107/107M
FT-1000MP	IC-22U/25/27/28	TM-241/2530/2550	FT-736/736R
FT-1000MPMKV	IC-228/229/251AE	TM-2570	FT-747/757
FT-1000MPMKV Field	IC-255/260/271/290	TM-321/331/3530/401	FT-757GX
FT-2000	IC-2400/2500	TM-421/431/441/521	FT-767GX
FTDX-5000/D/MP	IC-37A/38A/375	TM-531/541/621/631	FT-840/847
FTDX-9000/D/MP	IC-3200/3210/3220	TM-701/721/731	FT-890
	IC-45/47/48	TR-50/751/851	FT-920/950
	IC-471/475/490	TS-50/60/140/430/440	FT-980/990
TEN-TEC	IC-505/551/560/575	TS-450/570/660/670	FT-1000/1000D
Argonaut V	IC-707/718/720/725/726	TS-680/690/701/711	FT-1000MP
Jupiter	IC-728/729/730/735	TS-780/790/811/850	FT-2000
Omni VII	IC-736/737/738/740/745	TS-870/930/940/950	FT-dx5000
Pegasus	IC-746/746PRO	TS-2000	FT-5100
Eagle**	IC-756/756PRO	TW-4000/4100	
Orion**	IC-756PROII/PROIII		G1 / G2 Jumper Settings -
Orion II**	IC-7400/7700/7800	ALINCO	To maintain compatibility
	IC-751/761/765/775/781	ALD-24T	with as many radios as
**These radio's use an	IC-820H/901 /910	ALR-22T/22HT/72T	possible, this jumper module
8-pin DIN radio cable,		DR-110T/112T	has two small jumpers that
but the jumper settings	PWR / SPKR Jumper Settings - To	DR-130T/135E/135T	can be set to provide
required are the same as	maintain compatibility with as	DR-150/235T	additional Ground ("G")
those used by the 5-pin	many radios as possible, this	DR-430T/435E/435T	connections needed by some
DIN cable.	jumper module has two small	DR-510T/570T	radios (see below). These
	jumpers that can be set to enable	DR-590T/592T/599T	two jumpers should be
	Power and Speaker Audio.	DR-600T /610E/610T	installed as follows for the
		DR-620E/620T	following radios only. Do
	PWR - This jumper is *NOT* used	DX-70T /70TH/70EH	*NOT* install either jumper
	with the SignaLink USB, but can	DX-77	if your radio isn't listed
	be installed to power the older	DWD (SDKD I S S S	below:
	SignaLink SL-1 or SL-1+ model	PWR / SPKR Jumper Settings - To	D 41: "C1" 1"C2"
	from your radio if there is	maintain compatibility with as many	Both jumpers "G1" and "G2"
	sufficient power available on Pin	radios as possible, this jumper module	should be installed for the
	#2 of the Mic connector (check	has two small jumpers that can be set to	FT-890, FT-980, FT-990,
	your radio manual).	enable Power and Speaker Audio.	FT-1000 and the FT-1000D.
	<u>SPKR -</u> This jumper should only	<u>PWR -</u> This jumper is *NOT* used with	Only jumper "G1" should be
	be installed if your radio has	the SignaLink USB, but can be installed	installed for the FT-847, FT-
	Speaker Audio on Pin #8 of the	to power the older SignaLink SL-1 or	920, FT-950, FT-1000MP,
	Mic jack (check your radio	SL-1+ model from your radio if there is	and FTdx5000.
	manual). If Speaker Audio isn't	sufficient power available on Pin #5 of	and 1 1 dx3000.
	available, then you'll need to	the Mic connector (check your radio	
	connect an audio cable between the	manual).	
	radio and the SignaLink as		
	described in the SignaLink	<u>SPKR -</u> This jumper should only be	
	Installation Manual.	installed if your radio has Speaker Audio	
		on Pin #6 of the Mic jack (check your	
		radio manual). If Speaker Audio isn't	
		available, then you'll need to connect an	
		audio cable between the radio and the	
		SignaLink as described in the SignaLink	
		Installation Manual.	
•			

SLMODHT

This jumper module works with our p/n SLUSBHTY and SLCABHTY for use with some Yaesu HTs.

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 PTT Configuration Jumper 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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