



FiberLink® 4040 Series

Four Channels of Audio Over One Single Mode or Multimode Fiber



■ INSTALLATION INSTRUCTIONS

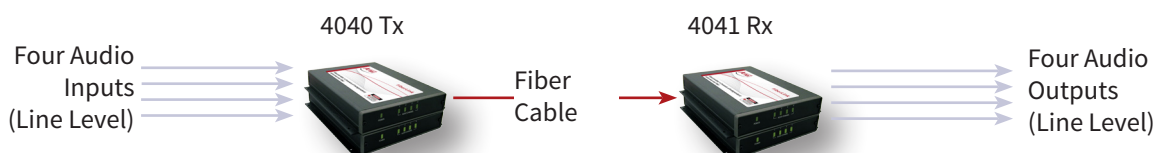
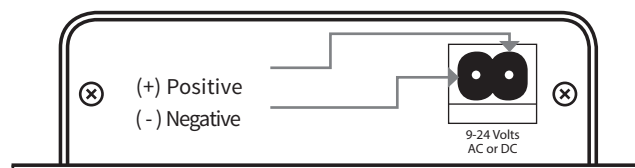
The FiberLink 4040 Series transmission systems are normally preset for immediate use with audio input circuitry set for balanced 600 Ohm input impedance and output set for balanced audio. If a different protocol is desired, it can be easily selected using the flip switches located on the back panel of the unit. (See Audio Switch Setting.) There are indicator LEDs on the units for monitoring purposes and several user selectable options for configuring audio inputs and outputs. The following instructions describe the typical installation procedure and the function of the LED indicators.

The following instructions describe the typical installation procedure:

1. The various options, as already mentioned, have been preset. If unbalanced high-input impedance or unbalanced output is desired, please refer to the manual instructions on page 7 (available online at www.artel.com/support/documentation).
2. Connect the fiber optic cable between the two FiberLink units.
3. Apply power to both units. Refer to Figure 1 for DC power connections.
4. When power is applied, the green POWER LED will light, indicating the presence of operating power.
5. Connect the audio input signals to the proper positions on the removable terminal blocks. (See System Terminal Block Connections) Be certain to check all connections and assure that inputs and outputs are not intermixed.
6. The green audio LED indicators (one per channel) will give an indication as stated on page 2. Note that the rack card version also has a red LED for indicating the presence of an alarm condition.

Note: The Rack Card version has an additional red LED for indicating the presence of an alarm condition (loss of signal). Refer to Indicator LED's and Alarm Circuitry sections of this manual.

Figure 1: Power Connector DC Input Polarity





FIBERLINK 4040 SERIES INDICATOR LEDS

Transmitter LEDs

LED	Status	Description
Power	Green	Indicates the correct power has been applied
Audio (1-4)	OFF	Indicates no audio input detected
	*Green	Indicates audio input detected
Alarm	Red	Loss of audio data (card version only)

Receiver LEDs

LED	Status	Description
Power	Green	Indicates that correct power has been applied.
Audio (1-4)	OFF	Indicates no audio detected on the fiber
	*Green	Indicates audio detected on the fiber
Alarm	Red	Loss of audio data (card version only)

*Green Flashing

SYSTEM TERMINAL BLOCK CONNECTIONS

Audio Connector - Transmitter

Position	Balanced	Unbalanced
Position 1-	Channel 1 Input (-)	Channel 1 Ground
Position 1+	Channel 1 Input (+)	Channel 1 Signal
Position G	Ground	
Position 2-	Channel 2 Input (-)	Channel 2 Ground
Position 2+	Channel 2 Input (+)	Channel 2 Signal
Position 3-	Channel 3 Input (-)	Channel 3 Ground
Position 3+	Channel 3 Input (+)	Channel 3 Signal
Position G	Ground	
Position 4-	Channel 4 Input (-)	Channel 4 Ground
Position 4+	Channel 4 Input (+)	Channel 4 Signal

Audio Connector - Receiver

Position	Balanced	Unbalanced
Position 1-	Channel 1 Output (-)	Channel 1 Ground
Position 1+	Channel 1 Output (+)	Channel 1 Signal
Position G	Ground	
Position 2-	Channel 2 Output (-)	Channel 2 Ground
Position 2+	Channel 2 Output (+)	Channel 2 Signal
Position 3-	Channel 3 Output (-)	Channel 3 Ground
Position 3+	Channel 3 Output (+)	Channel 3 Signal
Position G	Ground	
Position 4-	Channel 4 Output (-)	Channel 4 Ground
Position 4+	Channel 4 Output (+)	Channel 4 Signal

AUDIO SWITCH SETTINGS

Audio Input (Transmitter) Settings

Audio Input Channel	Switch Position	On	Off
1	1	600 Ohm	24K Ohm
	2	Unbalanced	Balanced
2	3	600 Ohm	24K Ohm
	4	Unbalanced	Balanced
3	5	600 Ohm	24K Ohm
	6	Unbalanced	Balanced
4	7	600 Ohm	24K Ohm
	8	Unbalanced	Balanced

Audio Output (Receiver) Settings

Audio Input Channel	Switch Position	On	Off
1	1	Unbalanced	Balanced
2	2	Unbalanced	Balanced
3	3	Unbalanced	Balanced
4	4	Unbalanced	Balanced

Note: Switches 5, 6, 7, and 8 are not used on the 4041-Bxy (Receiver) and should be left in the off position.

Additional information is available online at www.artel.com

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