



This Quick Start Guide is for the following FiberLink models:

- 3512A transmitter
- 3513A receiver
- 3514 transmitter
- 3515 receiver
- 3522 transmitter
- 3523 receiver
- 3524 transmitter
- 3525 receiver

# FiberLink<sup>®</sup> 3500 Series (One Way)

# 2 or 4 Channel 3G/HD/SD-SDI transmission over one or two single mode or multimode fibers

# INSTALLATION INSTRUCTIONS

The FiberLink 3500 Series of fiber optic transmission systems are ready for immediate use and do not require any special tools or equipment. However, an Optical Power Meter, such as the FiberLink 6650, can be useful in determining optical loss budgets during your systems design and maintenance.

The following instructions describe the typical installation procedure:

- 1. Connect the video source to the video input BNC connector on the transmitter unit.
- 2. Connect the video output cable to video output BNC connectors on the receiver unit.
- 3. Terminate any unused BNC output connector at 75 Ohms.
- 4. Connect the fiber optic cable to the transmitter and receiver units.
- 5. Connect the Universal Power Supply to the transmitter and receiver units. For box versions using DC power, please refer to figure 1.
- 6. When power is applied, the green POWER LED should illuminate, indicating the presence of operating power. The 3G/HD/SD RATE LED will give an indication as described in the Indicator LED's and Alarm Circuitry section of the manuall.
- 7. The system should now be operational.

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 3500 ALARM SWITCH SETTINGS Alarm Switch Setting for the Transmitter Card

**Switch Position** Alarm Indication On Off Enabled Disabled 1 Ch 1 Loss of Input Video 2 Ch 2 Loss of Input Video Enabled Disabled 3 (3514 & 3524 Only) Ch 3 Loss of Input Video Disabled Enabled 4 (3514 & 3524 Only) Ch 4 Loss of Input Video Enabled Disabled

#### Alarm Switch Setting for the Receiver Card

Switch Position	Alarm Indication	On	Off
1	Ch 1 Loss of Optical Signal	Enabled	Disabled
2	Ch 2 Loss of Optical Signal	Enabled	Disabled
3 (3514 & 3524 Only)	Ch 3 Loss of Optical Signal	Enabled	Disabled
4 (3514 & 3524 Only)	Ch 4 Loss of Optical Signal	Enabled	Disabled



# INDICATOR LEDS

#### **Transmitter LEDs (for Each Channel)**

LED	Status	Definition	
Power	On	Indicates that correct power has been applied.	
HD/3G Rate	Off	Indicates no HD/3G-SDI data rate lock	
	On	Indicates HD/3G-SDI data rate lock at 1.485Gbps, 2.97 Gbps, or 2.97/1.001 Gbps	
SD Rate	Off	Indicates no SD-SDI or DVB-ASI data rate lock	
	On	Indicates SD-SDI or DVB-ASI data rate lock at 270 Mbps	
Alarm	On	Loss of input video (card version only)	
Note: The 3G, H applied.	ID, and SD	LEDs indicators are off when a non-standard signal is	

### **Receiver LEDS (for Each Channel)**

LED	Status	Definition
Power	On	Indicates that correct power has been applied.
HD/3G Rate	Off	Indicates no HD/3G-SDI data rate lock
	On	Indicates HD/3G-SDI data rate lock at 1.485 Gbps, 2.97 Gbps, or 2.97/1.001 Gbps
SD Rate	Off	Indicates no SD-SDI or DVB-ASI data rate lock
	On	Indicates SD-SDI or DVB-ASI data rate lock and re-clocked video available on outputs
Alarm	On	Loss of optical signal (card version only)
Note: The 3G, HD, and SD LEDs indicators are off when a non-standard signal is applied.		

Additional information is available online at www.artel.com

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