# FiberLink® 3350 Series
# 3G/HD/SD-SDI Transmission over one single mode or multimode fiber


## INSTALLATION INSTRUCTIONS

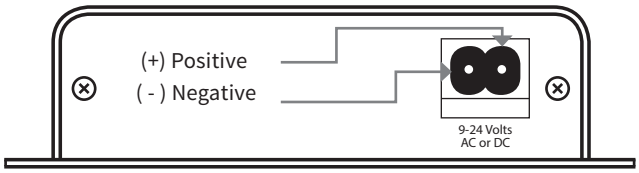
The FiberLink 3350 Series of fiber optic transmission systems are ready for immediate use and do not require any special tools or equipment. However, an Optical Power Meter, such as the FiberLink 6615, can be useful in determining optical loss budgets during your systems design and maintenance.

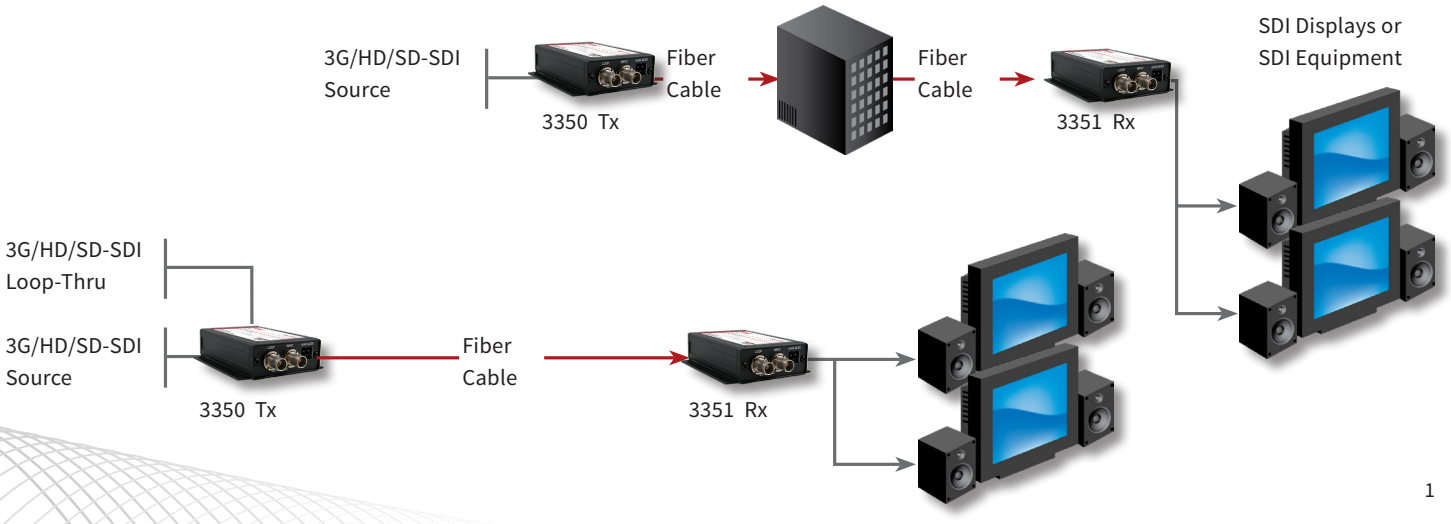
The following instructions describe the typical installation procedure:

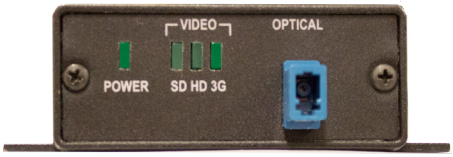
1. Connect the video source to the video input BNC connector on the transmitter unit.
2. Connect the video output cable to one of the two video output BNC connectors on the receiver unit.
3. Terminate any unused BNC output connector at 75 Ohms.
4. Connect the fiber optic cable to the transmitter and 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 this manual.
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**






## INDICATOR LEDS

**Transmitter LEDs**

| LED | Status | Definition |
|---|---|---|
| Power | On | Indicates correct power has been applied |
| 3G Rate | Off | Indicates no 3G-SDI data rate lock |
| | On | Indicates 3G-SDI data rate lock at 2.97 Gbps or 2.97/1.001 Gbps |
| HD Rate | Off | Indicates no HD-SDI data rate lock |
| | On | Indicates HD-SDI data rate lock at 1.485 Gbps or 1.485/1.001 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, HD, and SD LEDs indicators are off when a non-standard isgnal is applied.*

**Receiver LEDs**

| LED | Status | Definition |
|---|---|---|
| Power | On | Indicates correct power has been applied |
| 3G Rate | Off | Indicates no 3G-SDI data rate lock |
| | On | Indicates 3G-SDI data rate lock and re-clocked video available on outputs |
| HD Rate | Off | Indicates no HD-SDI data rate lock |
| | On | Indicates HD-SDI data rate lock and re-clocked video available on outputs |
| 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.*

## ALARM SWITCH FOR TRANSMITTER CARD

| Switch Position | Alarm Indication | On | Off |
|---|---|---|---|
| 1 | Loss of Input Video | Enabled | Disabled |
| 2 | N/A | N/A | N/A |

## ALARM SWITCH FOR RECEIVER CARD

| Switch Position | Alarm Indication | On | Off |
|---|---|---|---|
| 1 | Loss of Optical Signal | Enabled | Disabled |
| 2 | N/A | N/A | N/A |

*Note: The rack card unit also provides an output to drive a model 6020A Alarm Sensing Module which provides an audible tone and activates a set of contacts for external signaling purposes.*

*Additional information is available online at www.artel.com*

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