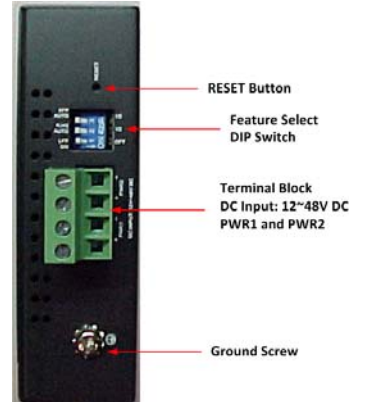# SISTG10xx-211-LRT-B series Hardened Unmanaged Gigabit Ethernet Media Converter

Quick Start Guide

The Transition Networks SISTG10xx-211-LRT-B Series is a new generation of unmanaged hardened Gigabit Ethernet media converter. The converter can provide multimode or single mode fiber connections with fixed SC connectors for extending the Ethernet service distance over fiber. The converter also has a SFP version that provides the ultimate flexibility to choose the appropriate SFP module to match your communication and distance needs.
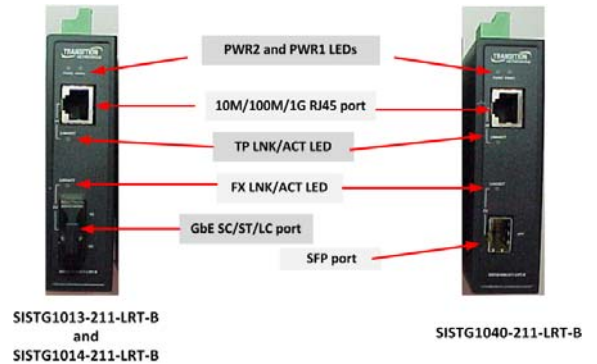
See the *Install Guide* for important Cautions and Warnings, Features, Specifications, Optional Accessories, Dimensions, Installation, Package Contents, Unpacking, Front /Back/Top Panels, RESET button, DIP Switch, Mounting, Installing SFPs, Connecting to Network/Devices, Grounding, Connecting Power, LEDs, Troubleshooting, Regulatory and Safety Information, and Warranty.
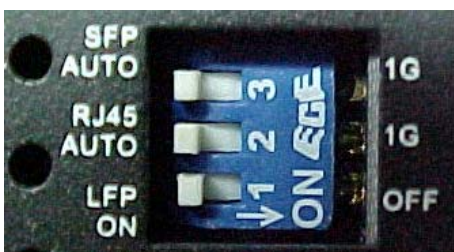
Installation: The procedural overview below assumes that you have already selected an appropriate install location and have acquired the appropriate equipment needed (e.g., a power cord, Cat5 or better cable for the TP (RJ-45) port, SC SM, or SC MM fiber cable for FX (SFP) port).

1. Unpack and verify package contents.
2. Review the front, back and top panel information.
3. Read the DIP switch and RESET button descriptions.
4. Perform DIN Rail Mounting.
5. Install SFP Modules.
6. Connect to Network / Devices.
7. Connect Fiber cables.
8. Connect Copper cables and verify Copper cable configuration.
9. Perform Media Converter grounding.
10. Connect power wires to the Media Converter's Terminal Block.
11. Provide and attach a Power Cord to the Media Converter.
12. Connect the Power Cord to the power supply.
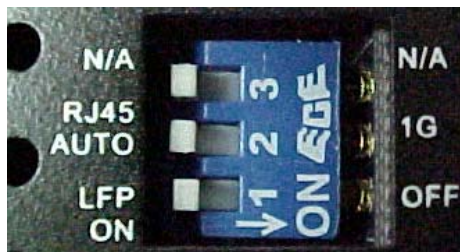13. Connect the power supply to a live AC outlet.

RESET Button: The top panel RESET button can be used to reset the Media Converter, clear the MAC address table, and flash the TP and SFP LNK/ACT LEDs momentarily. Press the RESET button for 2 ~ 7 seconds to reset the Converter; the green PWR LED lights.

DIP Switch for Feature Selection: The SISTG10xx-211-LRT-B has a 3-position DIP switch on the top panel used to configure the Media Converter for use in a particular network setting. See the *Install Guide* for details.

SISTG1040-211-LRT-B

SISTG1013-211-LRT-B and SISTG1014-211-LRT-B

Ground Screw - Grounding the Media Converter: Grounding the Media Converter helps limit the effects of noise due to electromagnetic interference (EMI) via proper grounding. Always run the ground connection from the ground screw to a grounding surface before connecting the Media Converter to a DC power source. See the *Install Guide* for details.

CAUTION: The Media Converter is intended to be grounded to a well-grounded mounting surface such as a metal plate. Install the grounding wire prior to connecting any other device to the Media Converter.

CAUTION: Be sure to disconnect the Media Converter from the DC power source before installing and wiring the device.

Connecting Power to the Media Converter: The Media Converter has dual (redundant) power inputs providing over current protection and reverse polarity protection. The dual power inputs can be connected simultaneously to live DC power sources. If one power source fails, the other live source acts as a backup, and automatically supplies the Media Converter with power. See the *Install Guide* for details.

Terminal Block Wiring: You can wire the 4-position terminal block for redundant power. **Note**: The 4-position terminal-block plug is keyed to mate with the Media Converter terminal block. When wiring the plug for power, use the polarity markings next to the terminal block to ensure proper connection.

Power: The SISTG10xx-211-LRT-B ships with no Power Cord. The SISTG1040-2x2-LRT can be ordered with optional accessories (sold separately) including Industrial Power Supply SPS-UA12DHT or 25135. See the Transition Networks [webpage](#) for more information.

LEDs: The Media Converter has LED indicators located on its front panel. The LEDs present at-a-glance network status, and provide real-time connectivity information. The front panel LEDs provide converter status checking and monitoring. The two types of LEDs are Power LED (indicates if the converter is powered up correctly) and Port Status LEDs (indicate the current status of each port). See the *Install Guide* for details.

Warning and Caution - Proper Installation and Operation (English): These devices are open-type devices that Fare to be installed in an enclosure only accessible with the use of a tool, suitable for the environment. This equipment is suitable for use in Class I, Division 2, Groups A, B, C, and D or non-hazardous locations only. WARNING – EXPLOSION HAZARD. DO NOT DISCONNECT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS.

Avertissement et mise en garde - Installation et fonctionnement corrects (français): Ces périphériques sont des périphériques de type ouvert qui doivent être installés dans un enceinte uniquement accessible à l'aide d'un outil, adapté à environnement. Cet équipement peut être utilisé dans la classe I, division 2, groupes A, B, C, et D ou des emplacements non dangereux seulement. AVERTISSEMENT - RISQUE D'EXPLOSION. NE PAS SE DÉCONNECTER LORSQUE LE CIRCUIT EST VIVANT OU À MOINS QUE LA ZONE NE SOIT LIBRE DE CONCENTRATIONS IGNIFIABLES.

Transition Networks | 10900 Red Circle Drive | Minnetonka, MN 55343, U.S.A.

tel: +1.952.941.7600 | toll free: 1.800.526.9267 | fax: 952.941.2322 | Web: https://www.transition.com

sales@transition.com | techsupport@transition.com | customerservice@transition.com

Copyright© 2018 Transition Networks. All rights reserved.