

iW TRANSLATOR



Color Kinetics® iW Translator is a hardware interface that enables the interoperability between Color Kinetics white light products and 3rd party architectural control systems. Commands from the 3rd party controller are interpreted by iW Translator and sent to the Zone Control network via the iW Scene Controller port. Commands include zone-wide color temperature and intensity adjustments.

Common industrial and architectural white light systems are controlled by many types of controllers, ranging from on/off switch closures to master controllers from vendors such as Lutron, Vantage, and Crestron. Many large commercial and residential environments use a master controller system to control automated devices, such as home theater systems, projection screens, alarms, and/or light fixtures. With recent advances in LED technology, many commercial and residential buildings are incorporating solid-state lighting into traditional lighting environments. The use of LED fixtures in traditional applications creates the need for an easy to use interface to allow seamless integration of LED systems into traditional lighting applications.

The number of electronic devices that can be controlled off of one "architectural" master system can vary widely, with the control of lighting systems as just one function of many. An interface device that translates commands from 3rd party architectural controllers to white light systems can simplify interoperability between LED white light systems and control systems. A white light translator enables triggers from 3rd party controllers to control the color temperature, a feature that is not currently available to 3rd party controllers systems today.

iW Translator is the bridge between Color Kinetics white lights and master controllers. It can serve as both a translator and an expander. As a translator, it interprets the commands from a 3rd party controller, enabling a master controller to manipulate the intensity and color temperature of Color Kinetics lights. As an expander, it operates in two modes. First, it serves as a hub to connect up to two iW Scene Controller keypads to a single iW power/data supply. Second, it can be daisy-chained to serve as a relay for installations requiring more than 50 feet of cabling between the iW Scene Controller keypad and the iW power/data supply.



ITEM# 104-000013-00

FOR USE UNDER U.S. PATENTS 6,016,038,
6,150,774, 6,340,868, AND 6,788,011.
OTHER PATENTS PENDING

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BRO171 Rev 00

Specifications subject to change without notice.

FEATURES

- Translator function
- Two expander functions (as a hub for two iW Scene Controller keypads and as a relay for installations requiring more than 50 feet of cabling)
- Status indicators
- 10 foot data cable

PRODUCT SPECIFICATIONS

HOUSING	Black plastic with connectors on front and back panels
WEIGHT	6.2 oz (175.8 g) without data cable
DIMENSIONS	4.4" W x 5.5" L x 1.4" H
INPUT PANEL	One DB9 RS232 Input (Serial input for 3rd party master controller) Two 4-pin Terminal Connectors (for iW Scene Controller Keypads)
OUTPUT PANEL	One 4-pin Terminal Connector (Signal to iW power/data supply) Two RJ45 Connectors Power Supply Jack
INDICATORS	Two LED Status Indicators (Power and Network Activity)

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE	50°C, max
STORAGE TEMPERATURE	-20°C, min
INDOOR ENVIRONMENT	IP 40 rating

INSTALLATION

MOUNTING	Keyhole mounting option to allow unit to be wall-mounted
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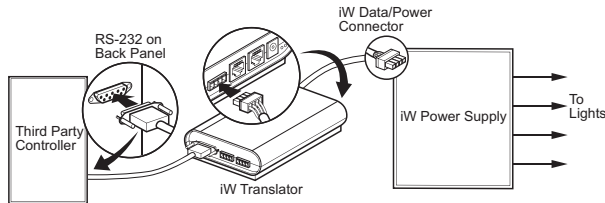
iW TRANSLATOR

FUNCTIONALITY AND DIMENSIONS

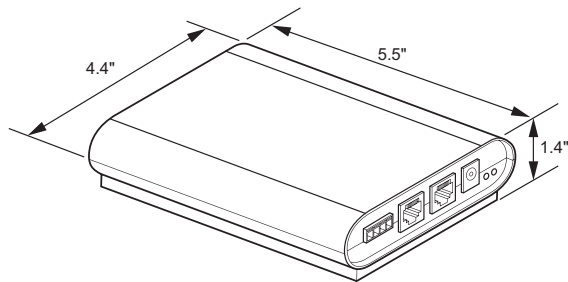
TRANSLATOR MODE

Connecting iW Translator as a Translator

The following configuration allows you to connect certain 3rd party architectural controllers (Lutron Homeworks Interactive System, and Vantage Automation System, for example) to Color Kinetics iW power/data supplies.



DIMENSIONS

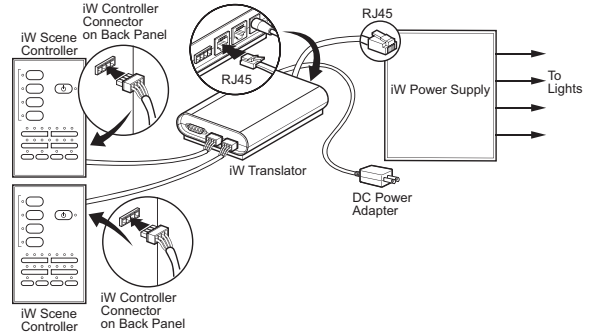


EXPANDER MODE

iW Translator can be used as an expander in two ways:

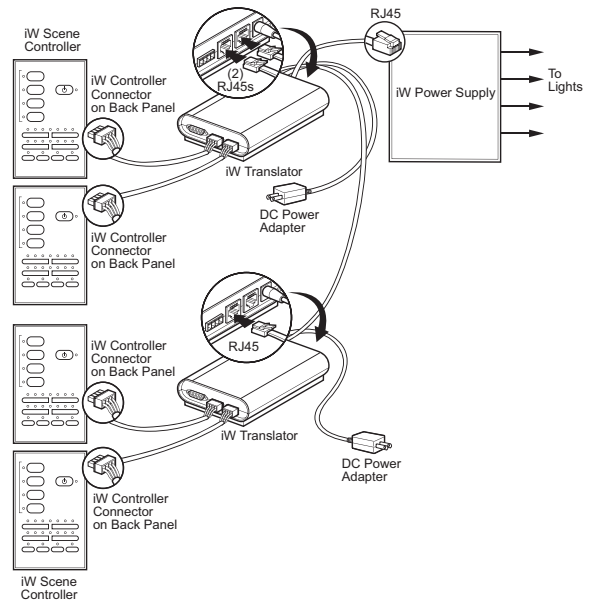
Connecting as an Expander (with Two iW Scene Controller Keypads)

The following configuration allows you to connect iW Translator to two iW Scene Controller keypads:



Connecting as an Expander (Daisy-Chaining iW Translators)

The following configuration allows you to daisy chain iW Translator to use it as a relay for connections over 50 feet.



Note: The DC power supply required for Expander mode is a separate accessory.

Additional Items:
iW Power Supplies
Data Enablers