



# Bus Ethernet Gateway Installation Guide

## Supported Model

- C4-DIN-BEG Bus Ethernet Gateway

## Introduction

The Control4® Bus Ethernet Gateway is intended for use in a Control4 system. This device installs in a Control4 Panelized Lighting panel or in any standard DIN rail panel with 35mm rails. The Bus Ethernet Gateway provides the communication bridge between keypads on the RS-485 bus and the Control4 system. For RS-485 wiring topologies, refer to the *Keypad Bus Wiring Guide*.

## Box Contents

- Bus Ethernet Gateway
- Warranty Card
- Two (2) Pluggable Terminal Blocks

## Warnings and Considerations



**WARNING!** Improper use or installation can cause SERIOUS INJURY, DEATH or LOSS/DAMAGE OF PROPERTY.

**ATTENTION!** Une mauvaise utilisation ou installation peut entraîner des blessures graves, décès ou perte / dommages à la propriété.



**WARNING!** Disconnect the power for all lines feeding into the panel before installing this device.

**ATTENTION!** Assurez-vous que tous les disjoncteurs d'alimentation dans le panneau sont éteints avant d'installer l'appareil.



**IMPORTANT!** Using this product in a manner other than outlined in this document voids your warranty. Further, Control4 is NOT liable for any damage incurred with the misuse of this product. See "Troubleshooting."



**IMPORTANT!** This is an electronic device with intricate components. Handle and install with care!

## Requirements and Specifications

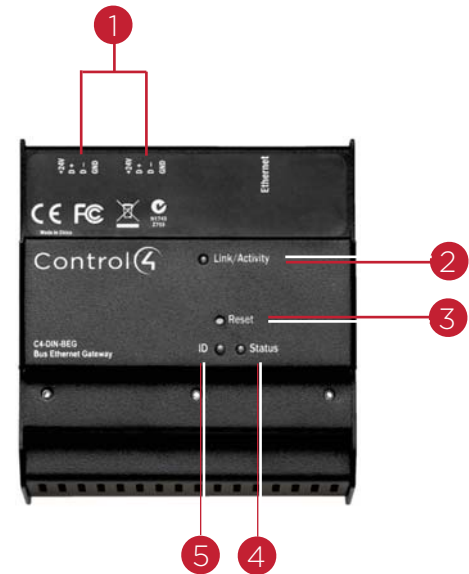
Prior to installing this product, ensure that the Control4 5-Slot or 2-Slot Panel or the cabinet to house the gateway has been installed.

The Bus Ethernet Gateway specifications include:

<b>Power Input</b>	48VDC
<b>Power Consumption</b>	1.5w
<b>Communications</b>	10/100 Ethernet
<b>Connectors</b>	One (1) Ethernet, RJ-45  Two (2) RS-485 Pluggable Terminal Blocks  36AWG to 14AWG (.14mm to 1.5mm)
<b>Operating Temperature</b>	32°F to 104°F (0°C to 40°C)
<b>Humidity</b>	5% - 95% Non-condensing
<b>Storage</b>	-4° F - 158° F (-20° C - 70° C)
<b>Dimensions (HxWxD)</b>	4.23" x 4.48" x 2.32" (107.5mm x 113.9mm x 59mm)
<b>DIN Module Width</b>	6M
<b>Weight</b>	1.15 lbs. (.521 kg)
<b>Shipping Weight</b>	1.55 lbs. (.70 kg)

## Front View

Figure 1. Front View



- 2x RS-485 pluggable connectors
- Link/Activity LED
- Reset button (recessed)
- Module Status LED
- Module ID button

## Pre-Installation Instructions

### Before You Install in a Control4 Panel

- Use Composer Pro to add the Bus Ethernet Gateway to a project, define its location in a panel, and print the panel report. See the *Composer Pro User Guide* for details.
- Install the panel following the instructions in the *5-Slot and 2-Slot Panel Installation Guide*.

## Before You Install in a Third-Party DIN Rail Panel

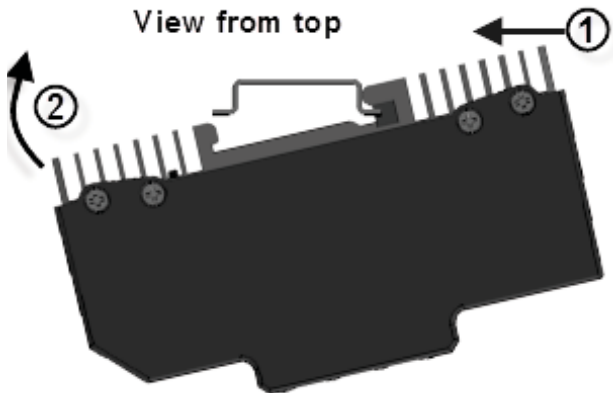
- 1 Install the third-party panel according to the third-party instructions.

## Installation Instructions

### Install in a Control4 Panel

- 1 With the Ethernet port facing right, hold the Bus Ethernet Gateway upright and angle it to the right so that the right side of the module fits onto the rail in the panel.
- 2 With the right side already in place, push forward on the left side of the Bus Ethernet Gateway to snap it onto the rail (see Figure 2).

Figure 2. Snap on the Bus Ethernet Gateway - Control4 Panels

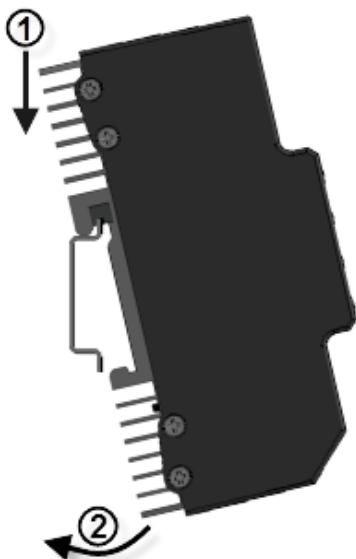


**NOTE:** To remove the module, push the module toward the left side, pull out from the left side, and remove it from the right side.

### Install in a Third-Party Panel

- 1 With the Ethernet port facing up, hold the module lengthwise and angle it up so that the top side of the module fits onto the rail.
- 2 With the top side already in place, rotate the module down to snap it onto the rail (see Figure 3).

Figure 3. Snap on the Bus Ethernet Gateway - Third-Party Panels



**NOTE:** To remove the module, push the module toward the bottom, rotate the module up, and lift it off.

- 3 On the top of the Bus Ethernet Gateway, connect the Ethernet CAT5 cable to the RJ-45 port.
- 4 Install the other modules in the panel as defined in their respective installation guides.

## Wiring Diagrams

For information about bus wiring details, refer to the *Keypad Bus Wiring Guide*.

## Operations and Configuration

### Button Taps

The button taps are defined in the table below.

Function	Button Taps
Identify	4
Factory Reset	9
Reboot	15

### LED Indicators

The indicator lights on the front of the Bus Ethernet Gateway communicate the status of the device.

Indicator	Color	Status	Notes
Status	Blue	Power On	
	Black	No Power	
Link/Activity	Solid Green	Link	
	Orange	Activity	
	Flashing Green	Firmware is updating	Flashing gets faster as the update proceeds

### Reset Button



**NOTE:** The Reset button is recessed and must be pressed using a paper clip or similar device. A single click of the **Reset** button is equivalent to powering the Bus Ethernet Gateway off and back on.

## Regulatory/Safety Compliance

To review regulatory information for your particular Control4 products, see the information located on the Control4 website at: <http://www.control4.com/regulatory/>.

## Warranty

For complete warranty information, including details on consumer legal rights as well as warranty exclusions, review the Warranty card or visit [www.control4.com/warranty](http://www.control4.com/warranty).

## About this Document

Part Number: 200-00345 Rev. B 7/26/2013 BN