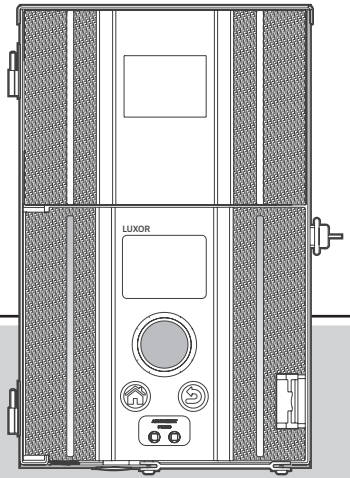
Crestron Integration Guide

Luxor® controllers with ZD Technology™ and ZDC Technology™



Lighting Accessories by Hunter Industries

Table of Contents

3 Overview

3 System Requirements

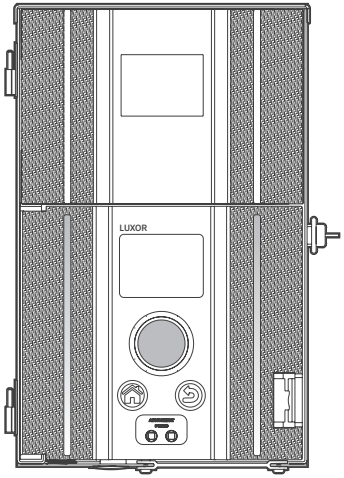
4 SIMPL Windows Software

5 Luxor Module Inputs

6 Luxor Module Outputs

7 Luxor IP Address

8 Troubleshooting



Overview

The Luxor module for Crestron SIMPL software is designed to provide integration between Crestron Control Systems and Luxor controllers containing ZD Technology or ZDC Technology.

Crestron Requirements

- Crestron® SIMPL Windows® software

Luxor Requirements

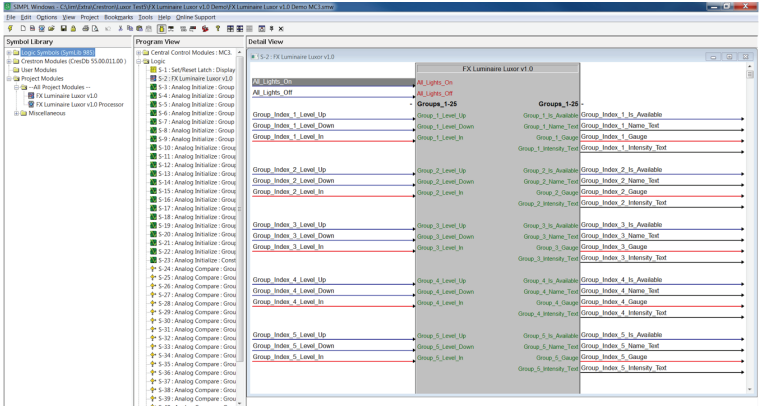
- Facepack firmware Rev 0.157 or above
- Theme setup must be done via the controller facepack or smartphone application
- Naming of Themes and Groups must be done via the smartphone application
- Color pallet setup (ZDC only) must be done via the controller facepack or smartphone application

System Requirements

- Crestron® Control System and Luxor ZD/ZDC controller must be connected to same system router
- System router must have DHCP reservation enabled

Adding Luxor Module

1. Open Crestron® SIMPL Windows® software
2. Add "Luxor Module" to program Logic folder
3. Open "Detail View"



Luxor Module Inputs

IP Address Setup

Enter Luxor controller IP address near the bottom of the Luxor module screen. Set all unused IP addresses to 0. Instructions on finding Luxor controller's IP address can be found on Page 7.

Luxor Module Input Definitions

All_Lights_On: All Groups ON (75% intensity).

All_Lights_Off: All Groups OFF.

Group_XXX_Level_Up: Group XXX (1 to 250) light intensity increases from current value to new value (max 100%).

Group_XXX_Level_Down: Group XXX (1 to 250) light intensity decreases from current value to new value (min 0%).

Group_XXX_Level_In: Sets the light level on Group XXX (1 to 250) from the current light level to the value of Group_XXX_Level_In (0 to 100 percent).

Theme_XX_On: Theme XX (1-26 corresponds to Themes A-Z) ON.

Theme_XX_Off: Theme XX (1 -26 corresponds to Themes A-Z) OFF.

Theme_XX_Toggle: Toggles Theme XX (1-26 corresponds to Themes A-Z) ON/OFF.

Poll_Enable: A value of 1 enables an automatic sending of Poll Groups and Poll Themes alternating every 5 minutes. A value of 0 turns off this feature.

Poll_Groups: Retrieves latest information on the state of the named Groups.

Poll_Themes: Retrieves latest information on the state of the named Themes.

Note: 1 second delay between turning ON/OFF groups/themes and polling groups/themes.

Luxor Module Outputs

Luxor Module Outputs Definitions

Group_XXX_Is_Available: If Group has been named, then Group_XXX_Is_Available = 1. If Group has not been named, then Group_XXX_Is_Available = 0.

Only available (Group_XXX_Is_Available = 1) Groups will be displayed when Poll_Groups are issued. Non-available groups (Group_XXX_Is_Available = 0) will be set to 0 when Poll_Groups are selected.

Group_ XXX _Name_Text: Group name defined within smartphone application.

Group_XXX_Gauge: Value is updated when using Group_ XXX_Level_Up or Group_ XXX _Level_Down. This value has a range of 0 to 65536 corresponding to a light output of 0 to 100 percent for that group.

Group_ XXX _Intensity_Text: Value corresponds to the light intensity of that Group, 0 to 100 percent. For example, if Group_ 2 _Intensity_Text is 50, then Group 2 is set to 50 percent light intensity.

Theme_XX_Is_Available: Theme_XX_Is Available = 1, if a name has been assigned to Theme XX. Theme_ XX_Is Available = 0, if a name has not been assigned to Theme XX.

Note: Only named Themes (Theme_XX_Is Available = 1) will have feedback when Poll_Theme is issued. Non-available Themes (Theme_XX_Is Available = 0) will be set to 0 when Poll_Theme is issued. Non-available Themes (Theme_XX_Is Available = 0) cannot be toggled.

Theme_ XX_Name_Text: Theme name defined within smartphone application.

Theme_ XX _Is_On: Theme_XX_Is ON = 1, if Theme ON. Theme_XX_Is_ON = 0, if Theme OFF.

Theme_ XX _Is_Off: Theme_XX_Is OFF = 1, if Theme OFF. Theme_XX_Is_OFF = 0, if Theme ON.

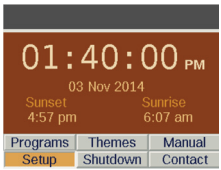
Status_Text: Message status response received from Luxor controller. Potential responses are; OK, Command Not Found, Bad JSON format, JSON item is not an interger, Color Value Out of Range, Item not found, Duplicate item, Item does not exist, Bad Group Number, Bad Theme Index, Theme Changes Restricted.

Note: "Communication Error" will occur for responses other than OK.

Luxor IP Address

Luxor IP Address

1. From **HOME** screen, navigate to **SETUP**



2. Select **Wi-Fi** or **LAN**

3. Record IP address displayed on **Wi-Fi** or **LAN** setup screen

Troubleshooting

Group or Theme not responding

Verify IP Address of Luxor controller and confirm it is entered correctly in the Luxor module within the SIMPL Windows program.

Verify Theme/Group response via smartphone application and controller facepack.

Verify router has DHCP Reservation enabled.

Theme ON/OFF but do not toggle

Verify Themes have been named. Unnamed Themes cannot be toggled.

Incorrect/No feedback from Group/Theme

Verify Group or Theme have been named. Unnamed Groups or Themes have feedback set to 0.

Notes

HUNTER INDUSTRIES
1940 Diamond Street, San Marcos, California 92078 USA
corporate.hunterindustries.com

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