

Partner: Renaissance Lighting
Model: EVO
Device Type: Lighting



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Renaissance Lighting EVO
CATEGORY:	Lighting
VERSION:	1.00
SUMMARY:	This module controls most functions of the EVO protocol used to control the Renaissance Lighting EVO series down lights.
GENERAL NOTES:	<p>This module controls most functions of the EVO protocol used to control the Renaissance Lighting EVO series lights. RL Protocol v1.1 is not intended for rapid color shows. There is a minimum time between packets, which must elapse for proper operation of the luminaries. If packets are sent quicker than the minimum time, the luminaries may stop responding and will need to be rebooted. At least 80 milliseconds should elapse between packets, which are sent from the controller.</p> <p>At the time of development, two-way communication was not available; so all feedback is based on the last command sent. It does not reflect any changes made by any other devices such as the Palm Pilot.</p> <p>NOTE: THIS MODULE IS FOR 2-SERIES PROCESSORS ONLY.</p>
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM-*
SETUP OF CRESTRON HARDWARE:	RS485 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	As per vendor manual
CABLE DIAGRAM:	Vendor supplied cable

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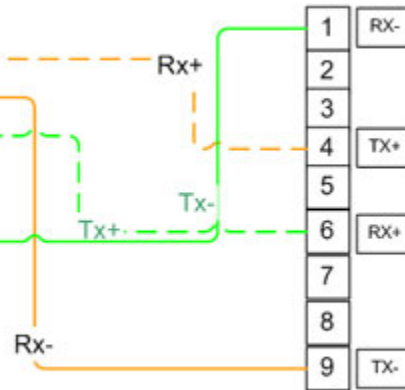


Renaissance EVO Downlight

Pin	Color	Functionality
1	Orange-White	Rx +
2	Orange	Rx -
3	Green-White	Tx +
4	Blue	Not Used
5	Blue-White	Not Used
6	Green	Tx -
7	Brown-White	GND on Luminaire
8	Brown	24 V from Luminaire

Table 1. RJ-45 Pin Out for Input to Luminaire.

Crestron



No ground necessary

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CONTROL:

Lights_Off	D	Pulse to turn fixture off
Preset_Red	D	Pulse to select the desired red preset of the fixture
Preset_Green	D	Pulse to select the desired green preset of the fixture
Preset_Blue	D	Pulse to select the desired blue preset of the fixture
Preset_Yellow	D	Pulse to select the desired yellow preset of the fixture
Preset_Magenta	D	Pulse to select the desired magenta preset of the fixture
Preset_Cyan	D	Pulse to select the desired cyan preset of the fixture
Preset_*	D	Pulse to select the desired numeric preset of the fixture 1 to 12
Recall	D	Pulse to set presets to recall the desired numeric preset of the fixture 1 to 12
Store	D	Pulse to set presets to store the desired numeric preset of the fixture 1 to 12
CGA_Color_*	D	Pulse to pick a CGA color from the CGA palette
Gamut_X_Coordinate	A	Analog value determined by slider to pick an x coordinate from the advanced palette gamut n the x direction 0-18
Gamut_Y_Coordinate	A	Analog value determined by slider to pick a y coordinate from the advanced palette gamut n the y direction 0-18
Intensity	A	Analog value determined by slider to pick a y intensity value from the advanced palette gamut n the y direction 1-100

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**FEEDBACK:**

Red_Bar	A	Feedback indicating the last Red Level command sent to the fixture
Green_Bar	A	Feedback indicating the last Green Level command sent to the fixture
Blue_Bar	A	Feedback indicating the last Blue Level command sent to the fixture
Recall_Fb	D	Feedback indicating whether a preset is to be recalled
Store_Fb	D	Feedback indicating whether a preset is to be stored
Intensity_%	A	Analog value showing percentage 1-100 of intensity used on advanced palette gamut
To_Device\$	S	Serial signal to be routed to the TX side of the com port used to control the device

TESTING:

OPS USED FOR TESTING:	PRO2 Cntrl Eng [v3.155.1143 (Jun 20 2006), #7F0056A2]
SIMPL WINDOWS USED FOR TESTING:	2.08.26
CRES DB USED FOR TESTING:	18.5.0
SYMBOL LIBRARY USED FOR TESTING:	444
SAMPLE PROGRAM:	Renaissance Lighting EVO Demo Pro2.smw
REVISION HISTORY:	V. 1.0