



Integration Note

Manufacturer:	Luxom
Model Number(s):	All addressable devices
Comments:	Integration based on Luxom ASCII protocol document
Minimum Core Module Version:	6.7.12
Document Revision Date:	9/23/2014

OVERVIEW AND SUPPORTED FEATURES

Luxom lighting systems are comprised of devices connected via standard Cat5/6 cabling, with communication via a proprietary protocol. This driver supports control from a **g!** system controller via RS232, using a Luxom DS32L interface device, or via Ethernet, using a Luxom DS65L network interface.

NOTE: RS232 control is untested.

LUXOM LIGHTING SYSTEMS SUPPORT THE FOLLOWING FEATURES:

Lighting Load Control: Control and feedback of lighting load devices in the Luxom system is supported.

Curtain/Blind Control: Control and feedback of Luxom Curtain/Blind devices.

Schedule Control: Multiple schedules can be set using the Viewer software allowing timed control of the Luxom system.

Scene Creation: The **g!** system can be used to create lighting scenes and also offer the ability for the user to create custom scenes within the user interface.

Event Mapping: Event mapping allows events in Luxom (such as a keypad button press) to initiate a command (or group of commands) in **g!**.

LUXOM LIGHTING SYSTEMS DO NOT SUPPORT THE FOLLOWING FEATURES:

Auto Detection of Loads: No mechanism exists in the Luxom system to facilitate an auto discovery process. All lighting devices will need to be added manually in **g!**.

Virtual Keypads: No pre-designed Luxom keypads are available in the **g!** system.

Any feature not specifically noted as "supported" is not supported.

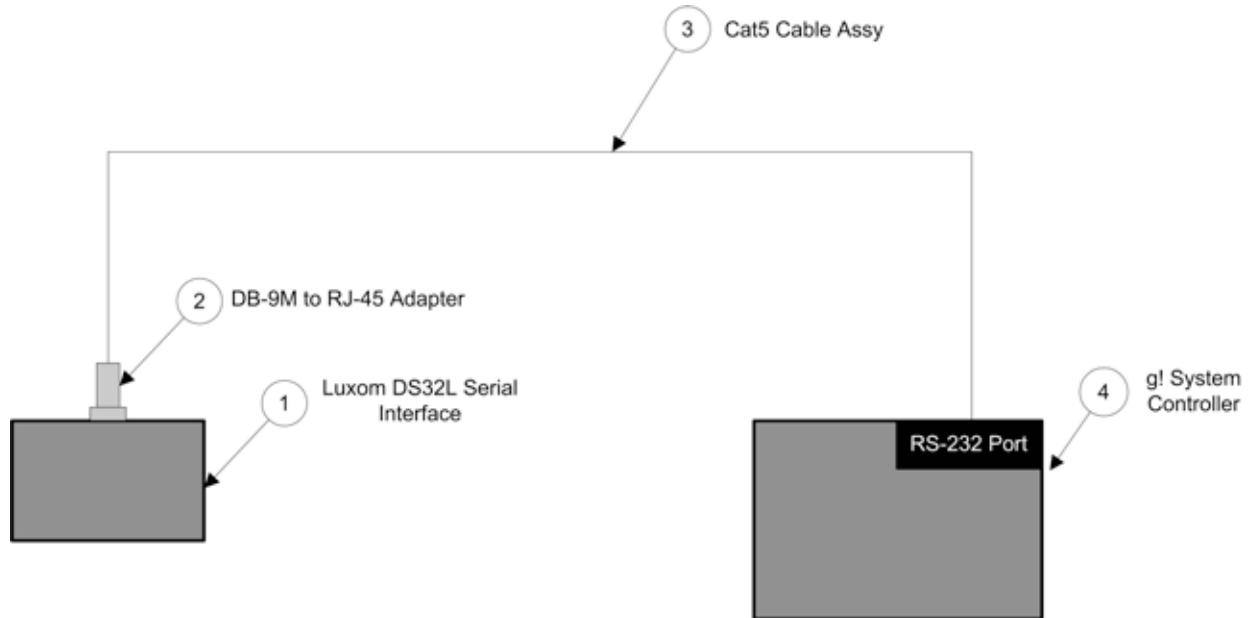
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CONNECTION DIAGRAM: RS232

Refer to the **Bill of Materials** and **Wiring Diagram** that follow.

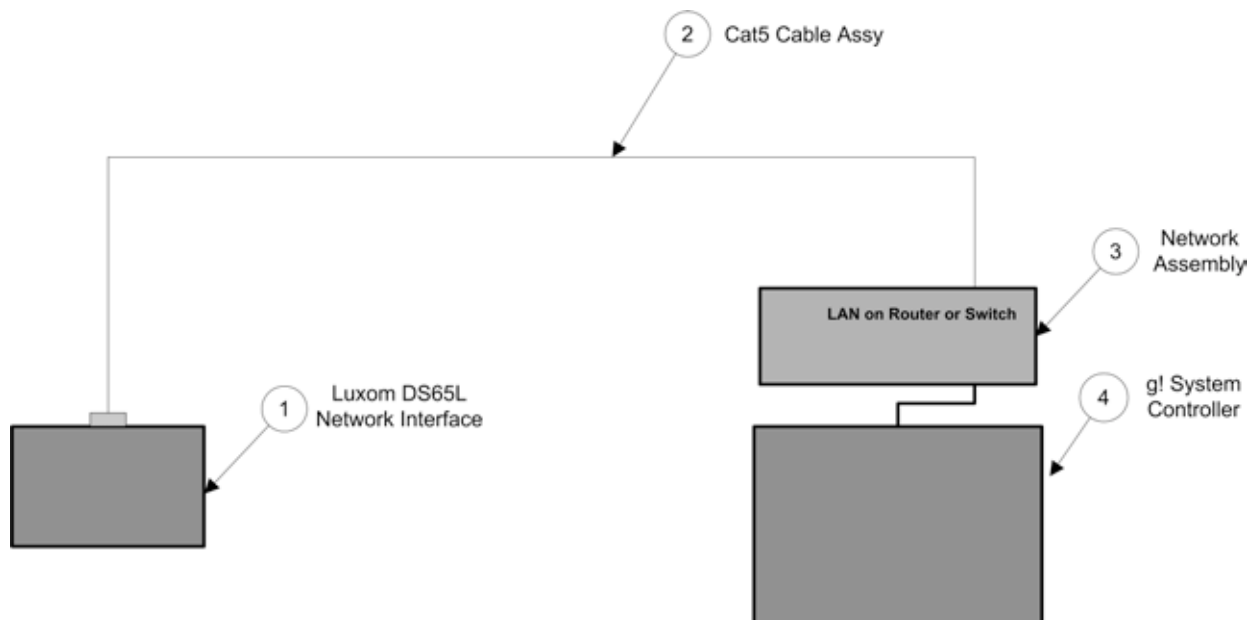


BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Serial Interface	Luxom	DS32L	RS-232	DB-9 Female	*example of Luxom part number, refer to Luxom interfaces
2	DB-9M to RJ-45 Adapter	ELAN	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
3	Cat5 Cable Assy.	Installer	N/A	RS-232	RJ-45 Male X RJ-45 Male	Must terminate all 8 conductors
4	g! Controller	ELAN	Various (e.g. HC12)	RS-232	RJ-45 Female	

CONNECTION DIAGRAM: ETHERNET

Refer to the **Bill of Materials** and **Wiring Diagram** that follow.



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Network Interface	Luxom	DS65L	Ethernet	RJ-45 Female	*example of Luxom part number, refer to Luxom interfaces
2	Cat5 Cable Assy.	Installer	N/A	Ethernet	RJ-45 Male X RJ-45 Male	Must terminate all 8 conductors
3	Network Assembly	ELAN	NWA18	Ethernet	RJ-45 Female	
4	g! Controller	ELAN	Various (e.g. HC12)	Ethernet	RJ-45 Female	

LUXOM CONFIGURATION

When the Luxom system is installed, cabling should include provision for a serial link or a network connection between the **g!** controller and the Luxom interface. All Luxom devices must be pre-programmed by the installer using the Luxom PlusConfig software (including the chosen communication interface) and details passed on to the **g!** programmer.

g! CONFIGURATION

The Luxom driver uses a standard Serial or Ethernet communication device and the lighting interface can be added according to standard procedure. Where Ethernet is the chosen communication method, the IP address of the Luxom DS65L must be entered. The Port number should be set to "2301" (the Port field will be automatically populated when the communication device is associated with the Luxom lighting interface). All lighting devices must be manually added as no auto discovery process exists.

The following lighting device types can be manually added:

- Luxom 1-Button Shutter
- Luxom 2-Button Shutter
- Luxom Action
- Luxom Curtain/Blind
- Luxom Dimmer Load
- Luxom On/Off Load

When a device is added, **Group** and **Address** numbers, as well as an appropriate device name, will need to be entered manually. These are defined by the Luxom programmer and can be ascertained using the PlusConfig software.

CONFIGURATION DETAILS

The following table provides settings used in the Configurator: please refer to the Configurator Reference Guide for more details.

- “<Select from list>” Select the appropriate item from the list (or drop-down) in the Configurator.
- “<User Defined>”, etc. Type in the desired name for the item.
- “<Auto Detect>”, etc. The system will auto detect this variable.

Devices	Variable Name	Settings (Ethernet)	Settings (Serial)	
Communication Devices	Name	<User Defined> (Default: Ethernet)	<User Defined> (Default: Serial Port)	
	System #	<Auto Detect>	<Auto Detect>	
	Device Type	Ethernet / Standard Connection	Serial Port / Standard Connection	
	Enable Sharing	<Select from list>	<Select from list>	
	Sharing Port	<Auto Detect>	<Auto Detect>	
	IP Address	<User Defined> (Enter address of Luxom Network Interface)	*Not Applicable*	
	Port	<User Defined> (Enter port number defined in Luxom)	*Not Applicable*	
	COM Port	*Not Applicable*	<Select from list>	
	Protocol	*Not Applicable*	<Auto Detect>	
	Baud Rate	*Not Applicable*	<Auto Detect>	
	Flow Control	*Not Applicable*	<Auto Detect>	
	Parity	*Not Applicable*	<Auto Detect>	
	Data Bits	*Not Applicable*	<Auto Detect>	
Stop Bits	*Not Applicable*	<Auto Detect>		
Lighting Interface	Name	<User Defined> (Default: Luxom Lighting Controller)	<User Defined> (Default: Luxom Lighting Controller)	
	System #	<Auto Detect>	<Auto Detect>	
	Driver Version	<Auto Detect>	<Auto Detect>	
	Device Type	Luxom Lighting Controller	Luxom Lighting Controller	
	Communication Device	<Select from list> (Choose Ethernet Communication Device)	<Select from list> (Choose Serial Communication Device)	
Lighting Devices	Name	<User Defined>	<User Defined>	
	System #	<Auto Detect>	<Auto Detect>	
	Device Type	<Auto Detect>	<Auto Detect>	
	Hide Device From Scheduler	<Select from list>	<Select from list>	
	Group/Address	<Select from list>	<Select from list>	
	(Luxom 2-Button Shutter)	Open Gr/Ad;Close Gr/Ad	<Select from list>	<Select from list>
Notes: No devices are auto detected.				

COMMON MISTAKES

1. Failing to plug the Cat5 cable assembly into the correct serial port. Make sure the RJ-45 connector is plugged into the correct serial port as specified in Configurator.
2. Failing to enter correct group and address numbers for Luxom devices.