OneHome™ Management and Control Solutions	Lighting Integration Note
Manufacturer:	Centralite
Model Number(s):	**LiteJet CL24 and CL48**
Comments:	MCP Firmware: 5.50 LiteJet Software: 2.01.02 OneHome Software: 4.1.1133 or later
Document Revision Date:	2/7/2008

IMPORTANT: The baud rate used to communicate from the OneHome system to the LiteJet system must be set to 19200 in the LiteJet configuration software. Dip Switch #8 must be set to <u>ON</u> on the MCP board to allow communication with the OneHome system.

OVERVIEW AND SUPPORTED FEATURES

Installing a Centralite lighting system can be broken down into the following steps:

1. Work with the client to determine what lights will be controlled, where switches will be installed, and where keypads will be installed. Follow Centralite guidelines.

2. Install and test the Centralite system, again according to Centralite standard procedures. See **Installation Overview** below for details on wiring the Centralite hardware to the **One**Home system.

3. Program the Centralite system: refer to **Centralite Programming Overview** below.

4. Integrate the lighting system into the **One**Home system and test proper operation. See **HomeLogic Configuration Details** and **OneHome System Programming Details** below.

CENTRALITE LIGHTING SYSTEMS SUPPORT THE FOLLOWING FEATURES:

Switch Control: Control of individual loads from virtual and simulated keypads.

Scene Control: Control of scenes from virtual and simulated keypads.

Schedule Control: Up to three schedules can be set using the Viewer software. The schedules are tied to the house mode.

Auto Detection: The **One**Home system will automatically detect lighting devices and names into the system. See **OneHome System Programming Overview** for more details.

INSTALLATION OVERVIEW

Installing a Centralite lighting system in conjunction with a **One**Home system includes the following steps:

1. During the rough-in phase, **in addition** to the wire runs needed for the Centralite system, add a single Cat5 cable from the LiteJet Processor to the HomeLogic System Enclosure.

2. Complete the Centralite installation, and test according to Centralite procedures.

3. Terminate, test, and connect the Cat5 cable from the Centralite system and the HomeLogic system.

4. Configure the HomeLogic system.

CONNECTION DIAGRAM

Refer to the **Bill of Materials** and **Wiring Diagram** that follow. Refer to the **RS-232 Connection Options** Integration Note for alternative connections methods.
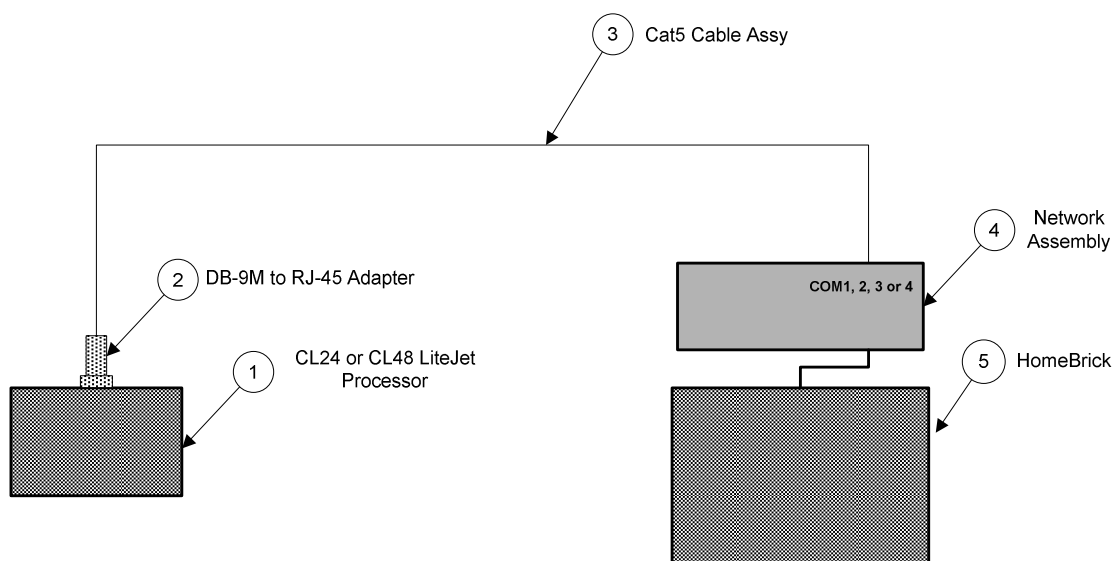
BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Centralite LiteJet MCP	Centralite	CL24	RS-232	DB-9 Female	
2	DB-9 M to RJ-45 Adapter	HomeLogic	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
3	CAT 5 Cable Assembly	Installer	N/A	RS-232	RJ-45 Male X RJ-45 Male	Must terminate and test all 8 conductors
4	Network Assembly	HomeLogic	HW-NA-18X4	RS-232	RJ-45 Female X DB-9 Female / USB	Use COM1, 2, 3, or 4
5	HomeBrick	HomeLogic	HW-HB-1080	RS-232	DB-9 Male / USB	

CENTRALITE PROGRAMMING OVERVIEW

The Centralite CL24 LiteJet should be programmed using the LiteJet programming software and following the guidelines provided on their web site, http://www.centralite.com/support/ and your PC. Use the software provided to set up lights, buttons, keypads, and scenes. Save the configuration file to an easy to find location. The following items should be observed during the setup process:

- While using the Centralite Programming Software, all of the DIP switches on the MCP should be set to the "off" position.
- If the system has been already set up, the software can read in the settings from the MCP
- The "Load RS-232" box should be checked for all loads to allow communication with the **One**Home system.
- On the "Settings" page, check that the baud rate for "RS-232-1" is set to 19200and that no thrd party carriage return is selected.
- Save the configuration as a ".CL" file from the LiteJet software.
- When finished programming with the LiteJet software, set DIP switch #8 on the MCP to "ON" and cycle power to motherboard to allow the MCP to communicate with the **One**Home system over the RS-232 connection.
- Set up schedules in **One**Home rather than in the LiteJet software to prevent conflicts.
- Be sure to plug into COM1 on the MCP.

HomeLogic Configuration Details

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

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

Refer to the **OneHome System Programming Details** below for additional information.

Devices	Variable Name	Setting	Comments
Communication Devices	**Name**	<User Defined> (Default: **Lighting**)	
	Type	**Serial Port**	
	Communication Type	**Standard Connection**	
	Location	<User Defined> (Not Required)	
	COM Port	<Select from list>	COM1, 2, 3 or 4
Lighting Interface	**Name**	<User Defined> (Default: **Centralite LiteJet**)	
	Location	<Select from list> (Not Required)	
	COM Device	<Select from list> (Default: **Lighting**)	
<Discover Devices>	Click the "Discover Devices" button in the configurator to populate Loads, Switches and Keypads		
<Read Config File>	Click the "Read Config File" button in the Configurator to read in the relationships between loads, keypads, buttons and scenes		
Lighting Devices	**Name**	<Auto Detect>	
	Device Type	<Auto Detect>	
	Location	<Select from list> (Not Required)	
	Load Number	<Auto Detect>	

Notes:
 1. Add Virtual Keypads as needed to control the system.

ONEHOME SYSTEM PROGRAMMING DETAILS

Once you have completed the initial configuration steps above, add Keypad Interfaces and link them to the appropriate keypad. Keypads can be renamed to provide an easier to understand interface.

COMMON MISTAKES

1. Incorrect serial port settings on the LiteJet MCP: Make sure that the baud rate is set to 19200 and DIP switch #8 on the MCP is set to "ON".

2. Failing to plug the Cat5 cable assembly into the correct serial port on the Network Assembly. Make sure the RJ-45 connector is plugged into the correct serial port as specified in the Configurator.

3. Failing to plug the Cat5 cable assembly into the correct serial port on the MCP. Make sure that the DB-9 to RJ-45 adapter is plugged into COM 1 on the MCP.

4. Configuring 2 subsystems with the same serial port.