



Performance Concepts Shade Controller Integration Release Notes

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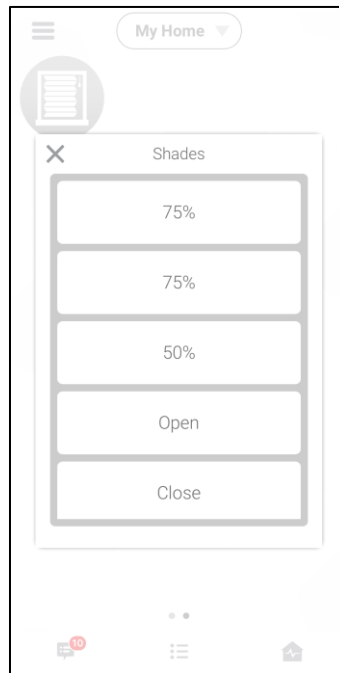
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Introduction

The Performance Concepts Shade Controller integration allows users to control their motorized shades through the ClareHome system.

Shade settings can be controlled via events. Use Fusion's Scenes and Rules to automate the actions your customers want. The following figure shows the Performance Concepts shade controller on the ClareHome UI.

Figure 1: Performance Concepts shade controller icon and controls



Programming the shade controller

The Performance Concepts shade controller must be programmed before it is integrated with the Clare Controls network. See Performance Concepts documentation to program the shade controller.

Installing the controller

A qualified installation technician should install or connect any devices used with Clare Controls products. Refer to the installation instructions that came with our Performance Concepts shade controller. Clare Controls does not assume any responsibility for damages caused by improper installation or connection to the network.

Note: When installing the equipment, your technician must assign each shade motor a numeric group address. Please have the technician note the groups he or she assigns. You will need the group numbers when integrating the shade controller in Fusion.

Connecting the controller to the data network

After installing the Performance Concepts shade controller, connect it to the ClareHome data network. To make the connection, you will need a serial cable or an IP-to-Serial adapter, such as a Global Caché iTach device. Use one of the two connection methods below.

To connect the controller to the ClareHome network using a serial cable:

1. Attach the RJ-12 end of a serial cable to the port on the ClareHome data network.
2. Attach the RS-232 end of the serial cable to the RS-232 port on the Performance Concepts shade controller.

–or–

To connect the controller to the ClareHome data network using an adapter:

1. Attach one end of a Cat 5 networking cable to a port on the ClareHome data network, and then attach the other end of the cable to RJ-45 jack on the IP-to-Serial adapter.
2. Using an RS-232 cable, connect the IP-to-Serial device (Global Caché iTach) to the Performance Concepts shade controller.

Setting the serial parameters in the serial device adapter

To ensure proper communication between the Performance Concepts shade controller and the ClareHome system, you must configure your IP-to-Serial adapter with the following settings. Be sure to follow the manufacturer's instructions included with the device.

Table 1: Serial adapter settings


Serial Parameter	Setting
Baud Rate	2400
Data Bits	8
Parity	None
Stop Bits	1

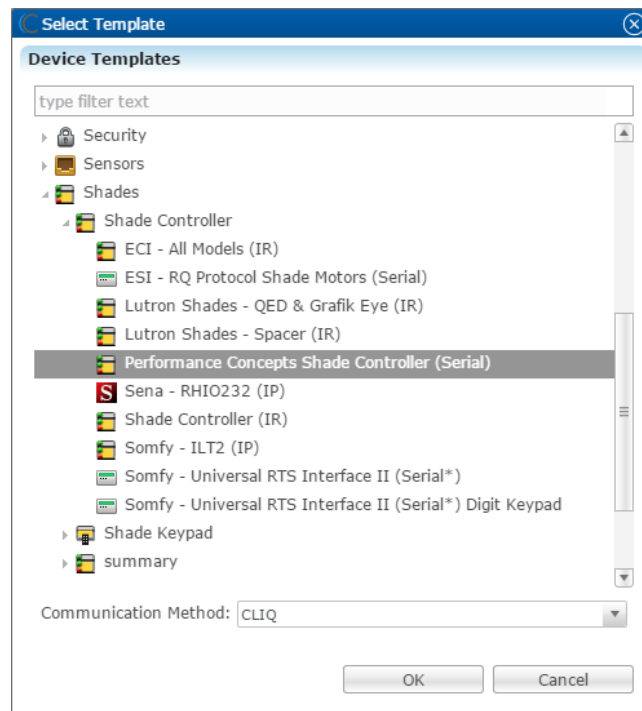
Note: To configure the serial adapter, follow the manufacturer's instructions included with the device.

Configuring in Fusion

Once you have installed your Performance Concept shade controller, you must add and configure it in Fusion.

To add a Performance Concepts shade controller in Fusion:

1. Click the **Devices** tab, and then click the **New Device** button  to display the Select template dialog.



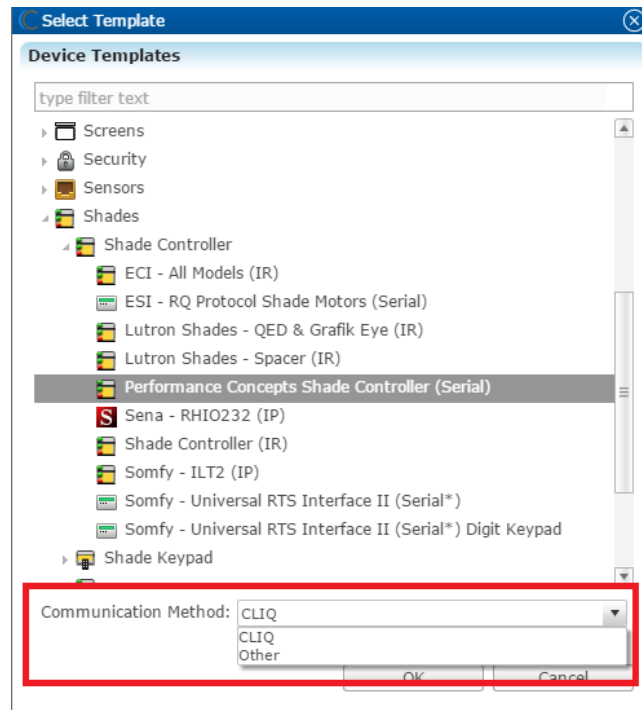
2. Expand the Shades drop-down, and then browse to Performance Concepts Shade Controller (Serial).

Shades > Shade Controller > Performance Concepts Shade Controller (Serial)

3. Select **CLIQ** in the Communication Method drop-down.

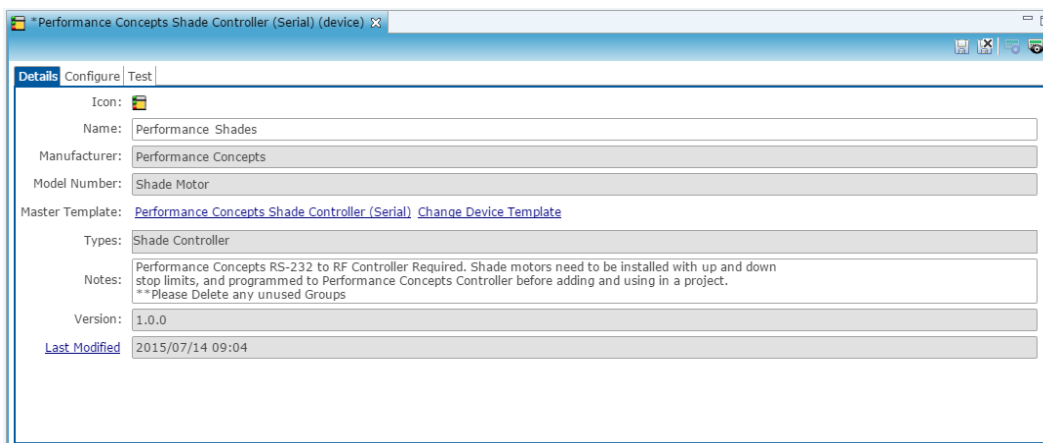
– or –

Select **Other** in the Communication Method drop-down when using an IP-to-Serial device (Global Caché iTach).



4. Click **OK**.

The **Details** tab displays.



5. Enter a name and notes for the device, and then click the **Configure** tab.

- When connecting the shade controller directly to the CLIQ using a serial cable, enter the **CLIQ Serial Port**.

Verify that the **Serial Baudrate**, **Serial Data Bits**, **Serial Parity**, and **Serial Stop Bits** match the settings in Table 1.

The screenshot shows the configuration window for a Performance Concepts Shade Controller (Serial) device. The 'Configuration Properties' table is displayed with the following data:

Name	Value	Mandatory	Description
General			
Connector Number	Network	yes	The address/port on the device, that is used to send the command sequences.
Device Model	Multiple	yes	The model of the device, as given in the OnlyOneRemote database.
Device Type	Shade Motor	yes	The type of the device, as given in the OnlyOneRemote database.
Value Format	HEX	yes	Specifies the format of the operation property values.
CLIQ Serial Port	CLIQ.host Serial 1	no	The CLIQ serial port to use for communicating to the device. Necessary for direct serial communication.
Serial Baudrate	2400	no	The baud rate serial setting.
Serial Data Bits	8	no	The data bits serial setting.
Serial Parity	None	no	The parity serial setting.
Serial Stop Bits	1	no	The stop bits serial setting.
Custom/Additional Properties			

– Or –

When using an IP-to-Serial device, enter the adapters **Network Address**.

The screenshot shows the configuration window for a Performance Concepts Shade Controller (Serial) device. The 'Configuration Properties' table is displayed with the following data:

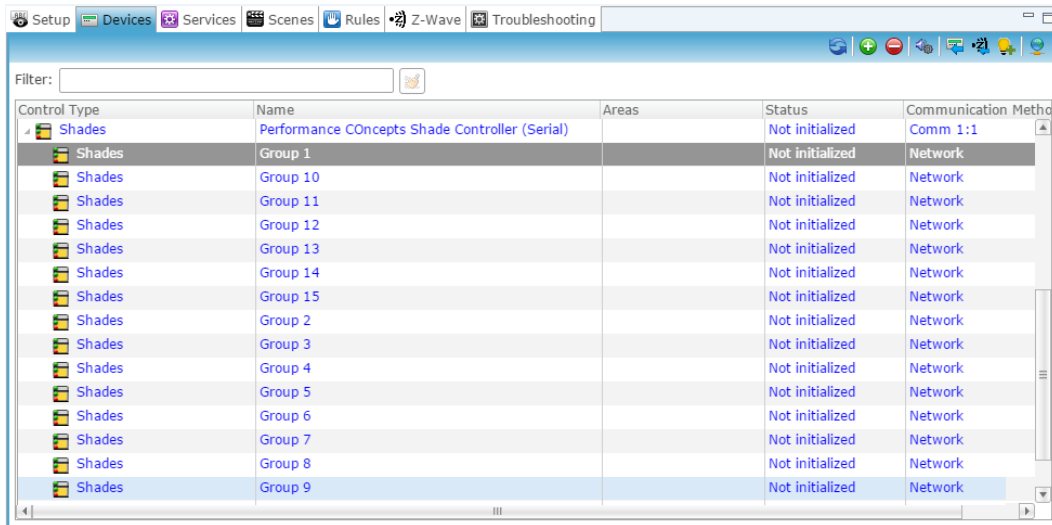
Name	Value	Mandatory	Description
General			
Connector Number	Network	yes	The address/port on the device, that is used to send the command sequences.
Device Model	Multiple	yes	The model of the device, as given in the OnlyOneRemote database.
Device Type	Shade Motor	yes	The type of the device, as given in the OnlyOneRemote database.
Value Format	HEX	yes	Specifies the format of the operation property values.
Network Address	120.10.0.1	no	This is a device configuration property used by ALL HDM adapters that need network access.
Network Port	4999	no	This is a device configuration property used by ALL HDM adapters that need network access.
Custom/Additional Properties			

- Click the **Save** button .

To organize the shade groups:

1. Return to the **Devices** tab, and then expand the shade controller.

Note: The shade controller supports and adds 15 groups.

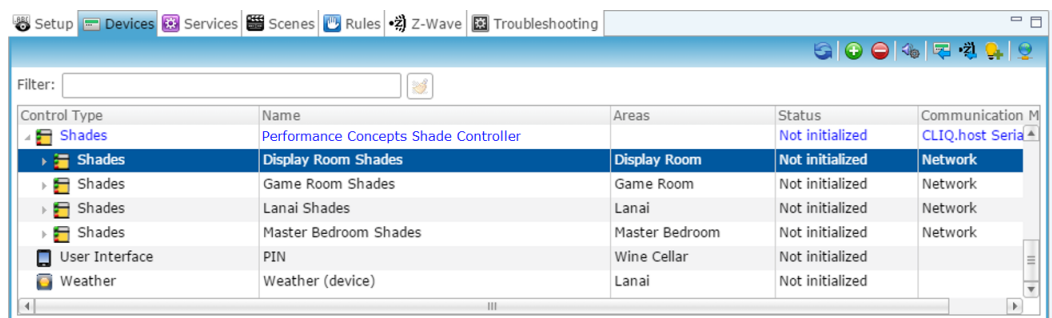


The screenshot shows the Fusion software interface with the 'Devices' tab selected. A table lists the shade groups under the 'Shades' control type. The table has columns for Control Type, Name, Areas, Status, and Communication Method.

Control Type	Name	Areas	Status	Communication Method
Shades	Performance Concepts Shade Controller (Serial)		Not initialized	Comm 1:1
Shades	Group 1		Not initialized	Network
Shades	Group 10		Not initialized	Network
Shades	Group 11		Not initialized	Network
Shades	Group 12		Not initialized	Network
Shades	Group 13		Not initialized	Network
Shades	Group 14		Not initialized	Network
Shades	Group 15		Not initialized	Network
Shades	Group 2		Not initialized	Network
Shades	Group 3		Not initialized	Network
Shades	Group 4		Not initialized	Network
Shades	Group 5		Not initialized	Network
Shades	Group 6		Not initialized	Network
Shades	Group 7		Not initialized	Network
Shades	Group 8		Not initialized	Network
Shades	Group 9		Not initialized	Network

2. Delete any unused groups
3. Assign the shade groups to areas.
4. Name each shade group according to the room it is in.

Note: We recommend naming the shade groups according to their location for convenience.



The screenshot shows the Fusion software interface with the 'Devices' tab selected. The table lists the shade groups, now with names and areas assigned. The table has columns for Control Type, Name, Areas, Status, and Communication Method.


Control Type	Name	Areas	Status	Communication Method
Shades	Performance Concepts Shade Controller		Not initialized	CLIQ.host Serial
Shades	Display Room Shades	Display Room	Not initialized	Network
Shades	Game Room Shades	Game Room	Not initialized	Network
Shades	Lanai Shades	Lanai	Not initialized	Network
Shades	Master Bedroom Shades	Master Bedroom	Not initialized	Network
User Interface	PIN	Wine Cellar	Not initialized	
Weather	Weather (device)	Lanai	Not initialized	

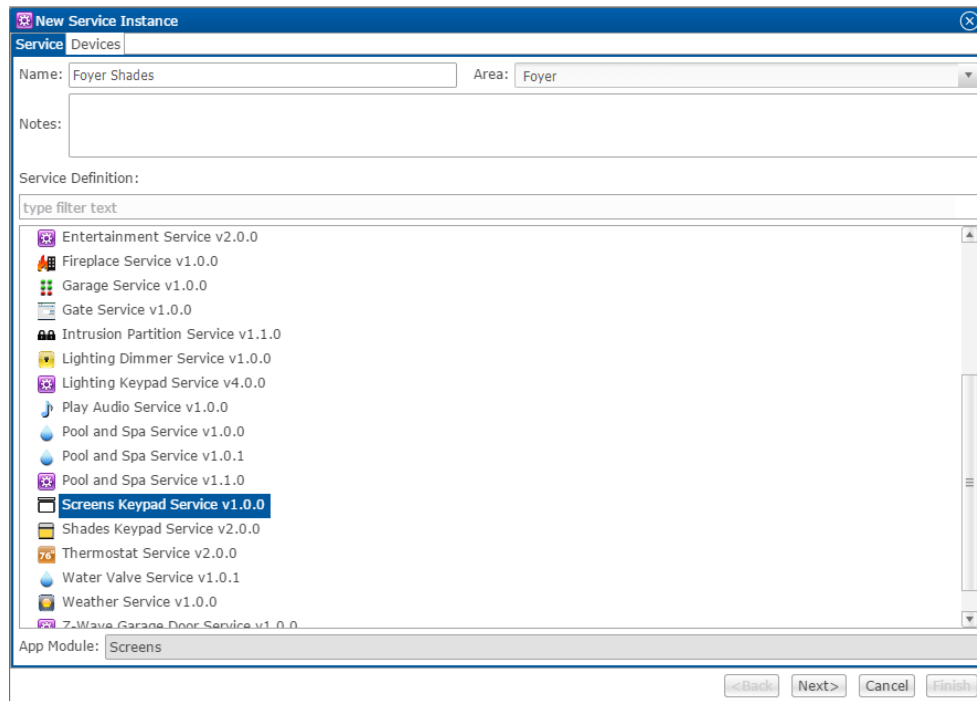
Creating a service for the shade groups

Once you have configured the shade controller in Fusion, create a service for the shade groups.

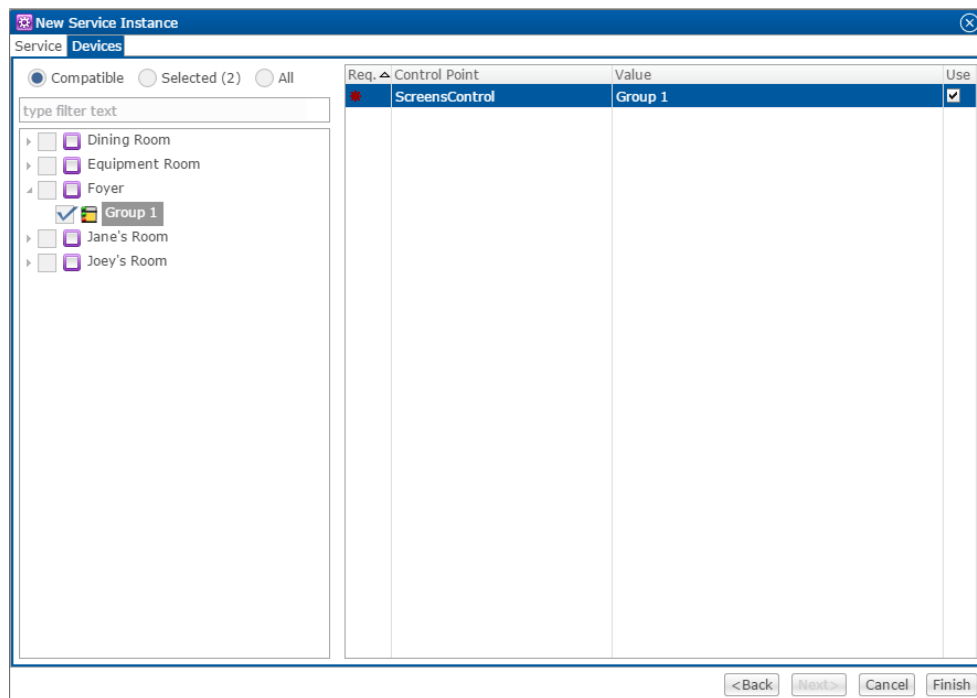
Note: You will need the correct shade group numbers to create services in Fusion.

To create a service for the shade groups:

1. Click the **Services** tab, and then click the **New Service** icon . The New Service Instance dialog displays.



2. Enter the name of the service in the **Name** field, select the area, and then click **Screen Keypad Service**.
3. Click **Next** to display the **Devices** tab.



4. In the left panel, select the desired shade group.
5. In the right panel, set the values for the screen control.
Click the **Value** field to view the drop-down menu, and then select the device.
6. Click **Finish**.
7. Repeat steps 1 through 6 for each shade group.
8. Deploy the project.

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