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QUICK START GUIDE Automate™ URC 2 Way INTEGRATION SUPPORT



AUTOMATE PULSE PRO OVERVIEW

Elevate your Automate experience by seamlessly integrating Automate motorized shades into URC Integration systems. The Automate Pulse PRO Hub offers a powerful integration with discrete shade control and two-way communication, providing real-time updates on shade position and battery levels. Featuring both Ethernet (CAT 5) and 2.4GHz wireless connectivity, the Pulse PRO Hub ensures smooth home automation integration through an easy-to-access RJ45 port located on the back of the hub. Each hub supports up to 30 shades, making it a versatile solution for any home automation setup.

OVERVIEW:

The Pulse PRO driver provides Total Control users with two-way control of their shades, using a two-way IP driver control status feedback of Pulse PRO hubs and connected shades which is in the URC database. Before integrating Pulse PRO shades into the URC System, users must first configure their Pulse PRO Hub and shades. This process is done entirely in the Pulse PRO Android or iOS app.

URC COMPATIBILITY:

The URC's Automate Pulse PRO two-way module is compatible with Accelerator 3 and Flex 2 software platforms.

REQUIREMENTS:

An installed and functional Pulse PRO shade system using:

- An Automate Pulse PRO Hub is configured and functioning properly.
- Windows shades installed and configured with the Pulse PRO Hub.

HARDWARE INSTALLATION:

- Install all shades/blinds/motors at desired locations.
- Connect the Hub to the Automate Pulse app on the same network as the URC System.
- Connect all shades/blinds/motors to the Automate Pulse PRO app.

MODULE FEATURES:

- Two-way control of shades
- Custom macro integration
- Queries
- Device Events
- All Shades supported by Pulse PRO Hub.

GENERAL INFORMATION:

- Module: Pulse PRO
- Developer: URC File
- Type: *. tcm3
- Communication: IP
- Category: Window Shades Module Type: Core / Interface Multiple
- Module Support: No
- Unified: No
- URC Compatibility: Accelerator 3 & Flex 2
- Device Events: Yes
- Two-way Module Commands: Yes

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Adding & Configuring the Module:

TCM files are found on the [URC Dealer Portal](#). Once you have downloaded and imported the file, perform the following steps to add the module to a project:

This module can be added to any new or existing Total Control system.

Adding the [Core]

The [Core] module contains all the system data that runs and operates the module. Only one (1) core is needed to use this module.

Step 4: Add Other Devices



1. Select a room for the core to be added to.
2. Select My Database.
3. Select IP Database.
4. Select Window Shades category.
5. Select Automate from the brand list.
6. Select Pulse PRO [Core].
7. Select Add Selected Modules to add it to the project.

a. Add Selected Modules b. Create New Driver c. Test

1. Select Room :
Control Rack (1)
Previous Next

2. Select Database :
 URC My (2)

3. Select Module Type :
IP Database (3)

4. Select Category :
Window Shades (4)

5. Select Brand :
AUTOMATE (5)
LUTRON
ROLLEASE ACMEDA
SOMFY

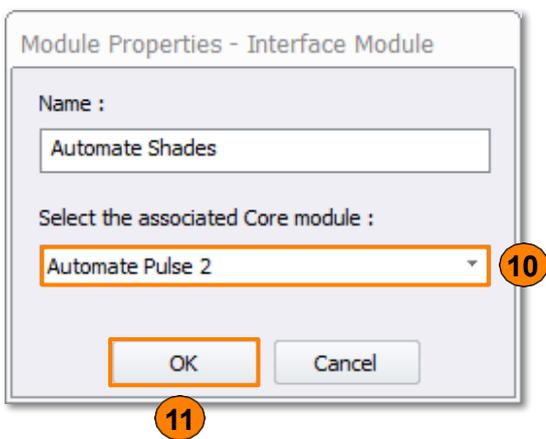
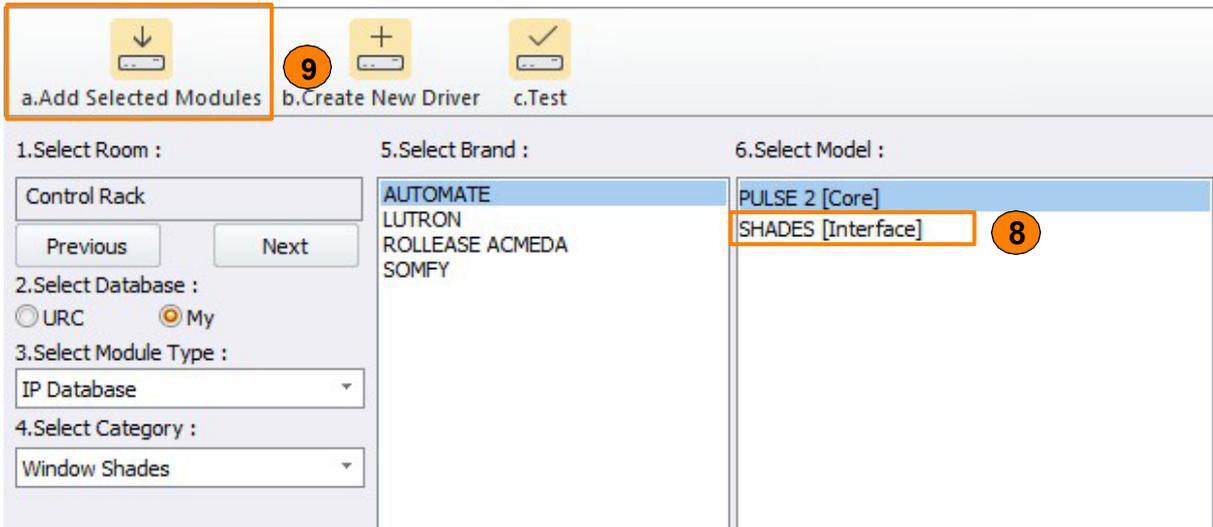
6. Select Model :
PULSE 2 [Core] (6)
SHADES [Interface]

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Adding the [Interface]

The interface represents the physical shade device in the system and is the button the user selects when accessing the shades.

8. Select Shades [Interface].
9. Select Add Selected Modules.
10. The Interface Module Properties window appears. Select the Automate Pulse PRO from the Core Module list.
11. Select OK to add it to the project.



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Step 6: Network Setup

1. Select Non-URC Device.
2. Enter a unique dummy IP Address for the Automate Pulse PRO device.
3. Leave the default port as is.

Room	Device	IP Address	Port
Control Rack	Power	192.168.18.5	80
Control Rack	NVR	192.168.18.130	80
Control Rack	AVR	192.168.18.160	50...
Control Rack	Automate Pulse	0.0.0.1	0
Office	TV	192.168.5.75	80

Step 11: Edit User Interfaces



1. Select **Accelerate!**

Submenu System Options

Included Submenus

Entertainment : Yes No
Music : Yes No
Lights : Yes No
Comfort : Yes No
Security : Yes No
Info : Yes No
Settings : Yes No
Multiple Displays : Yes No [?]
Timer : Yes No

Timers Items

Select an item and a jump to it will be created in the appropriate menu for each room

Sleep Timer
 Event Timer
 Alarm Clock
 Vacation Mode

Music Menu Options

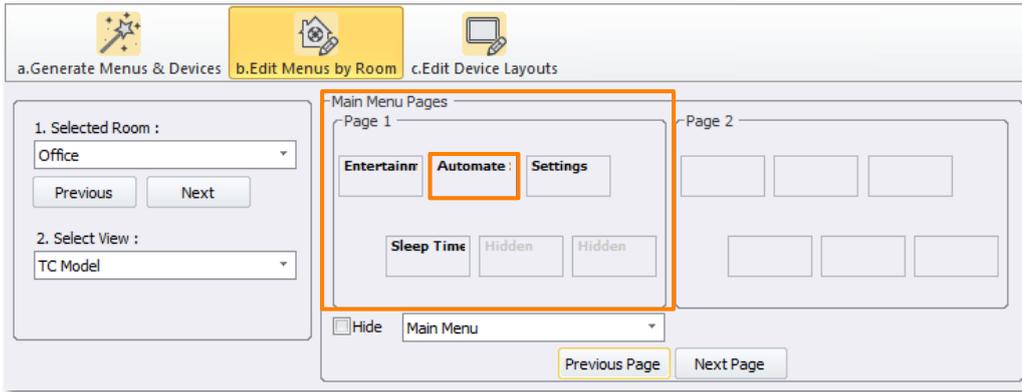
Use dedicated Multi-Room Music submenu
This option will create a dedicated sub menu for the URC Audio Multi-Room Music available to a room, as well as a Music submenu for local music sources available only to that room. Edits made to this URC Audio submenu are duplicated in every room's URC Audio submenu; this should reduce the time spent editing this unique submenu. However it is NOT possible to remove a URC Audio source from the submenu, or add a non-URC Audio source to the submenu.

Use combined Music submenu
This option will create a single Music submenu in all applicable rooms. This submenu will contain both URC Audio sources AND local sources available to that room. Edits must be made on a per-room basis. There are no GLOBAL changes.

Choose the setup options for the User Interfaces in the system. When ready press the Accelerate Button

Accelerate! 1

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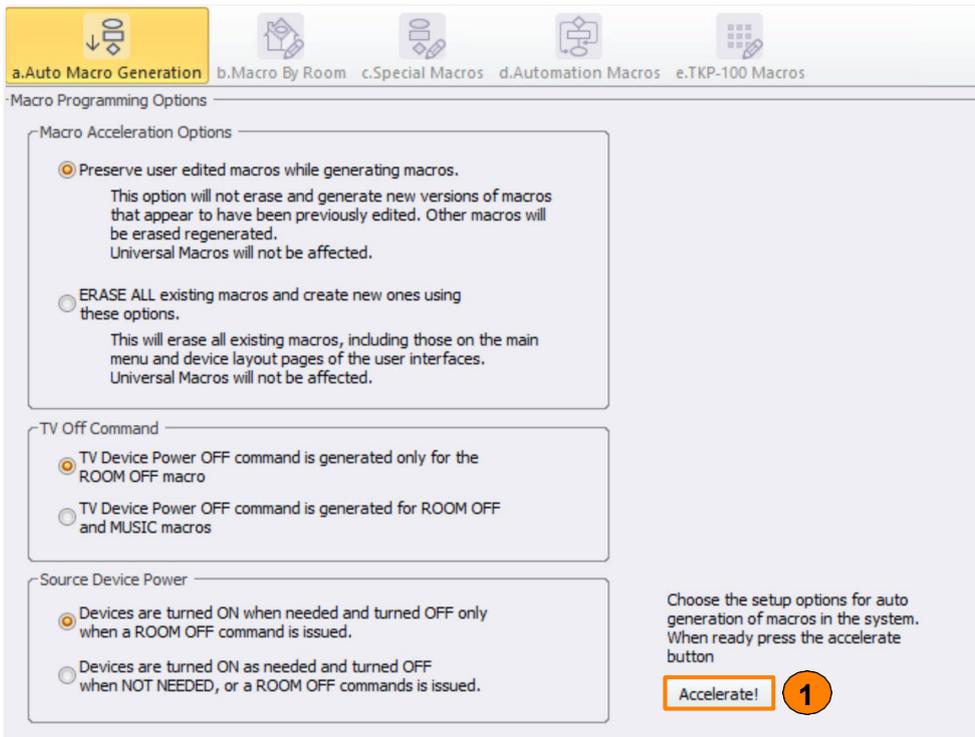


Step 12: Macro Editing



In this section, the steps required to generate macros are provided.

1. Select **Accelerate!**
2. Make additional programming changes as needed within the remaining steps. Once completed, save the project, and **Download** to the system.



Two-way Module Commands:

Two-way module commands are special one-way functions that are derived from the two-way module and are the only way to send discrete commands to the Automate Pulse PRO system.



Move Basic: Basic commands to move a specific shade up, down, or stop it at the current position.

- A. **Shade Name:** Enter the name of the shade as it is listed in the Automate Shades app.
- B. **Action:** Provides basic control options.
 - **Up:** Moves the specified shade **Up**.
 - **Down:** Moves the specified shade **Down**.
 - **Stop:** **Halts** the specified shade in its current position.

2-Way Module Command

Name :

Available Devices :

Available Command :

Parameters

Shade Name

Action

Description

Return

Prev Next

Result

Save the result : int

Variable :

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Move to Percentage: A command that moves a specific shade to a percentage-based position.

- A. **Shade Name:** Enter the name of the shade as it is listed in the Automate Shades app.
- B. **Percentage:** Enter a percentage value. The % symbol is not required.

2-Way Module Command

Name : Mid Day

Available Devices : Automate Pulse 2 [Control Rack]

Available Command : Move To Percentage

Parameters

ShadeName: Office 1 (A)

Percentage: 50 (B)

Description: Moves the selected shade to the desired percentage.

Instructions: Enter a percentage from 0-100.

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Result

Save the result : int

Variable : Create Variable

OK Cancel

Tilt: A command that tilts a specific shade to a percentage-based position. This command requires a shade that supports tilt functionality.

- A. **Shade Name:** Enter the name of the shade as it is listed in the Automate Shades app.
- B. **Percentage:** Enter a percentage value. The % symbol is **not required**.

2-Way Module Command

Name : Mid Day

Available Devices : Automate Pulse 2 [Control Rack]

Available Command : Tilt

Parameters

Shade Name: Office 1 (A)

Percentage: 45 (B)

Description: Moves the selected shade to the desired percentage.

Instructions: Enter a percentage from 0-180.

Prev Next

Result

Save the result : int

Variable : Create Variable

OK Cancel

Query Commands

Query commands allow the Total Control system to ask a device for information. This information can be saved as a variable, allowing for advanced macro creation based on conditional logic.

Get Shade Position: Retrieves the current position percentage of a specific shade.

- A. **Shade Name:** Enter the name of the shade as it is listed in the Automate Shades app.

The screenshot shows the '2-Way Module Command' dialog box. The 'Name' field contains 'Start Day'. The 'Available Devices' dropdown is set to 'Automate Pulse 2 [Control Rack]'. The 'Available Command' dropdown is set to 'Get Shade Position'. In the 'Parameters' section, the 'Shade Name' dropdown is set to 'Office 1' and is highlighted with an orange box and a blue circle containing the letter 'A'. The 'Description' field contains the text 'Gets the position percentage for the selected shade.' The 'Return' field contains 'Integer / 0-100 on success / -1 if unknown'. At the bottom, there is a 'Result' section with a checkbox for 'Save the result : int' and a 'Variable' dropdown. 'OK' and 'Cancel' buttons are at the bottom.

Get Tilt Position: Retrieves the current tilt percentage of a specific shade.

- A. **Shade Name:** Enter the name of the shade as it is listed in the Automate Shades app.

The screenshot shows the '2-Way Module Command' dialog box. The 'Name' field contains 'Start Day'. The 'Available Devices' dropdown is set to 'Automate Pulse 2 [Control Rack]'. The 'Available Command' dropdown is set to 'Get Tilt Position' and is highlighted with an orange box. In the 'Parameters' section, the 'Shade Name' dropdown is set to 'Office 1' and is highlighted with an orange box. The 'Description' field contains the text 'Gets the position percentage for the selected shade.' The 'Return' field contains 'Integer / 0-100 on success / -1 if unknown'. At the bottom, there is a 'Result' section with a checkbox for 'Save the result : int' and a 'Variable' dropdown. 'OK' and 'Cancel' buttons are at the bottom.

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Device Events:

The Automate Pulse PRO module has the ability to trigger custom macros based on events or changes in the system. On Shade Position: Allows for a macro to be triggered based on a specific shade's position.

A. Shade Name: Enter the name of the shade as it is listed in the Pulse PRO shade settings.

B. Operator: Chose a comparison operator. The operator works with the

Percentage to determine when the event is triggered.

- To: Triggers the macro when the specified shade reaches the specified position percentage.
- Above: Triggers the macro when the specified shade moves above the specified position percentage.
- Below: Triggers the macro when the specified shade moves below the specified position percentage.

C. Percentage: Enter a percentage value. The % symbol is not required.

Edit Automated Settings

Name : Start Day

Available Devices : Automate Pulse 2 [Control Rack]

Available Event : On Shade Position

Option :

Parameters

Shade Name: Office 1

Operator: To, Above, Below

Percentage: 100

Description: Triggers when the shade position is set to/above/below the provided percentage.

Prev Next

OK Cancel

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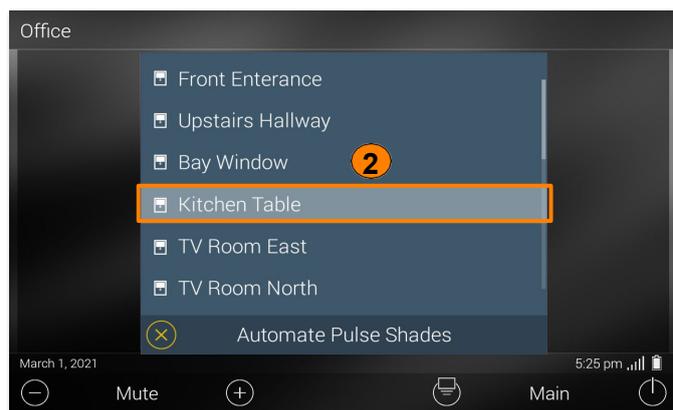
On Tilt Position: Allows for a macro to be triggered based on a specific shade's tilt position.

- A. Shade Name: Enter the name of the shade as it is listed in the Automate Shades app.
- B. Operator: Provides basic control options.
- C. Percentage: Enter a percentage value. The % symbol is not required.

Using the Module:

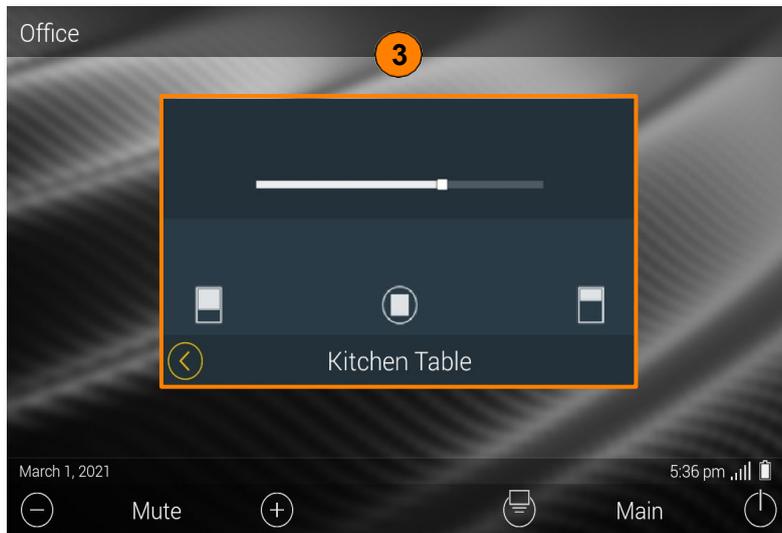
This section of the document explains how to operate and navigate the shades module. Launching the Module:

1. Navigate to where the Shades button is located and select it.
2. Select an individual shade to control. All shades are listed here.



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3. The shade control window appears.



Shade Controls

The shade control windows provide several options for controlling a specific shade or shade group.

- A. Shade Slider: Allows the shade to be moved to a specific position based on slider position.
- B. Basic Shade Control: Provides basic controls for moving a specific shade up, down, and can halt it at the current position.
- C. Down: Moves the shade down.
- D. Stop: Halts the shade in its current position.
- E. Up: Moves the shade up.

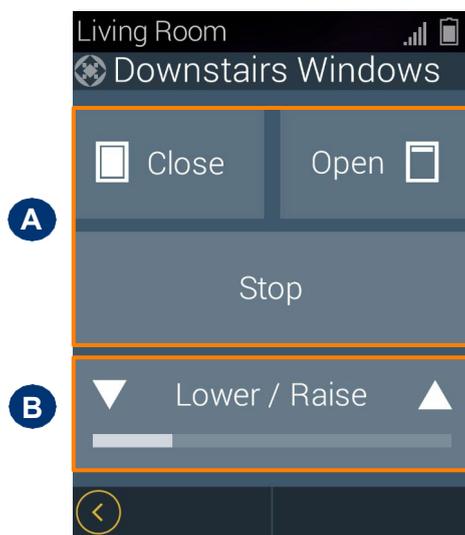


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Wand UI:

The UI for controlling shades from a wand remote varies slightly when compared to the touchscreens.

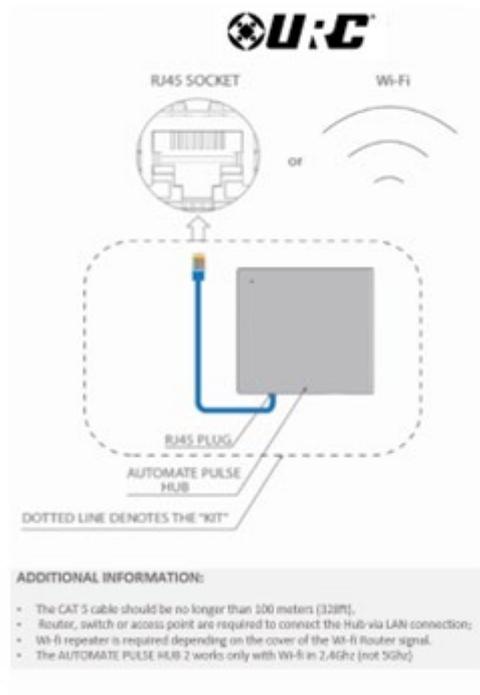
- A. Basic Shade Control: Provides controls for moving the shade up (Open), down (Close), and can halt (Stop) any current movement.
- B. Discrete Percentages: Using the arrows, a user is able to toggle between the five (5) preset positions for a shade or group.
 - C. 0%
 - D. 25%
 - E. 50%
 - F. 75%
 - G. 100%



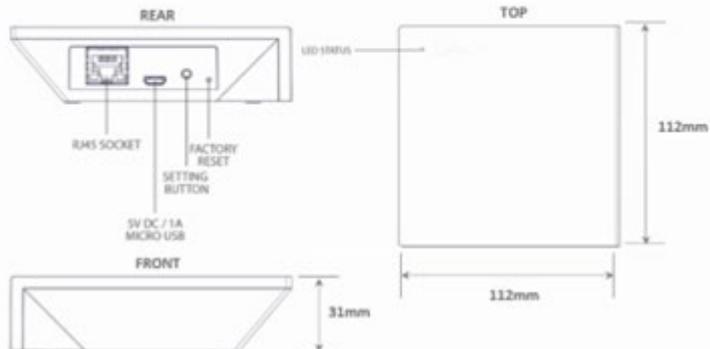
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URC SYSTEM CONNECTION:

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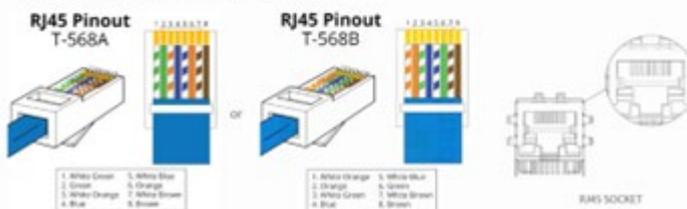


AUTOMATE PULSE PRO HUB



CONNECTIONS

The standard connections of the Automate Pulse Hub 2 is Ethernet or Wi-Fi. For a LAN connection, you can use a straight Through wiring accordingly indicated below:



FREQUENTLY ASKED QUESTIONS

Q. No Pulse PRO Hub detected.

A. Make sure that your Automate Pulse PRO is connected to the correct network and get an IP Address available and still communicating with the network using the Automate Shades App.

Q. Shade limits are not set properly.

A. Calibrate shade limits with your Rollease Acmeda remote before setting the appropriate open and close time within URC SYSTEM.

Q. Shade is not moving at all.

A. Make sure the selected Pulse PRO Hub is the correct Pulse PRO Hub for the shade to be controlled. Confirm the correct bindings are set in the URC System connections tab between the Pulse PRO Hub and Shade drivers.

Q. I have multiple Pulse PRO Hubs, what do I do?

A. Load two Automate Pulse PRO Hub drivers. After selecting "Retrieve Hubs" located in the driver actions tab, you will see different Automate Pulse PRO Hubs - select the desired one.

Q. I do not see any shade bindings in the Pulse PRO Hub driver?

A. Select "Retrieve Shades" located in the driver actions tab.

Q. How do I scan for available Automate Pulse PRO Hub?

A. Once the Automate Pulse PRO Hub is properly connected via the Ethernet cable or Wireless network, navigate to the Automate Pulse Hub Properties page within Composer. Select "Retrieve Hubs" located in the driver actions tab.

Q. We get unexpected responses from the URC system, or "?" symbols.

A. Ensure that all connections using the ethernet port or Wi-Fi are working properly. The missed connection has been known to yield unwanted or unexpected results.

SUPPORT RESOURCES:

For further assistance, contact your retailer, visit our website at www.automateshades.com.