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QUICK START GUIDE
Automate™ URC 2 Way
INTEGRATION SUPPORT

AUTOMATE PULSE HUB 2 OVERVIEW

Take your Automate experience to the next level by integrating Automate motorized shades into URC Integration systems. The Automate Pulse is a rich integration supports discrete shade control and features a two-way communication system with the Pulse 2 App that offering real time shade position and battery level status. The Automate Pulse Hub 2 supports Ethernet Cable (CAT 5) and Wireless Communication 2.4GHz) for home automate integration using the RJ45 port conveniently located on the back of the hub. Each hub can support integration of up to 30 shades.
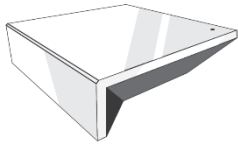
OVERVIEW:
The Pulse 2 driver provides Total Control users with two-way control of their shades, using a two-way IP driver control status feedback of Pulse 2 hubs and connected shades which is in the URC database. Before integrating Pulse 2 shades into the URC System, users must first configure their Pulse 2 Hub and shades. This process is done entirely in the Pulse 2 Android or iOS app.

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

REQUIREMENTS:
An installed and functional Pulse 2 shade system using:

- An Automate Pulse 2 Hub is configured and functioning properly.
- Windows shades installed and configured with the Pulse 2 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 2 app.

MODULE FEATURES:
- Two-way control of shades
- Custom macro integration
- Queries
- Device Events
- All Shades supported by Pulse 2 Hub.

GENERAL INFORMATION:

- Module: Pulse 2
- 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 2 [Core].
7. Select Add Selected Modules to add it to the project.

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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 2 from the Core Module list.
11. Select OK to add it to the project.

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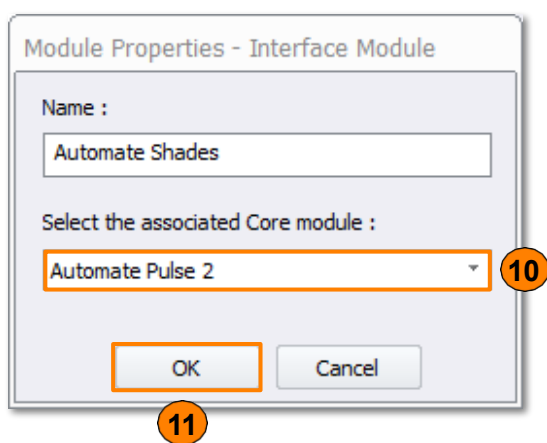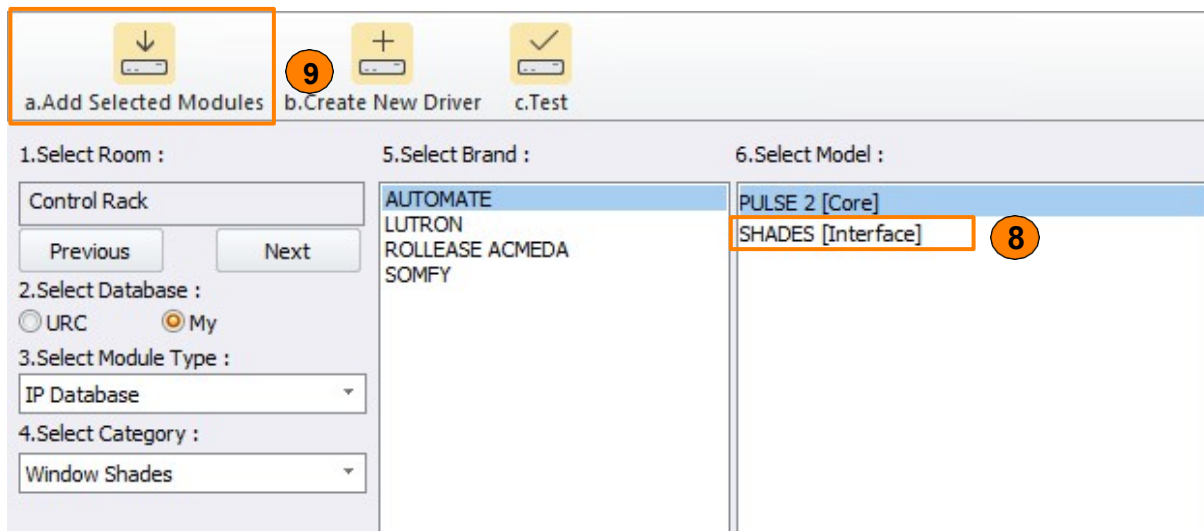
Step 6: Network Setup

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

🔗📶	🖥️	🖥️
a.LAN & Wifi	b.URC Device	**c.Non URC Device** ①

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 ②	0.0.0.1	0	③
Office	TV	192.168.5.75	80	

Step 11: Edit User Interfaces

🖥️	🖥️	⚙️
10.URC Subsystems	**11.Edit User Interfaces**	12.Macro Editing

1. Select **Accelerate!**

✨	⚙️	🖥️
a.Generate Menus & Devices	b.Edit Menus by Room	c.Edit Device Layouts

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

Submenus are only created if there will be buttons present. Empty submenus are not generated.

If a submenu is set "No?any button that would normally be there will instead be generated on the main menu.

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.
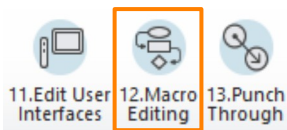
Choose the setup options for the User Interfaces in the system. When ready press the Accelerate Button
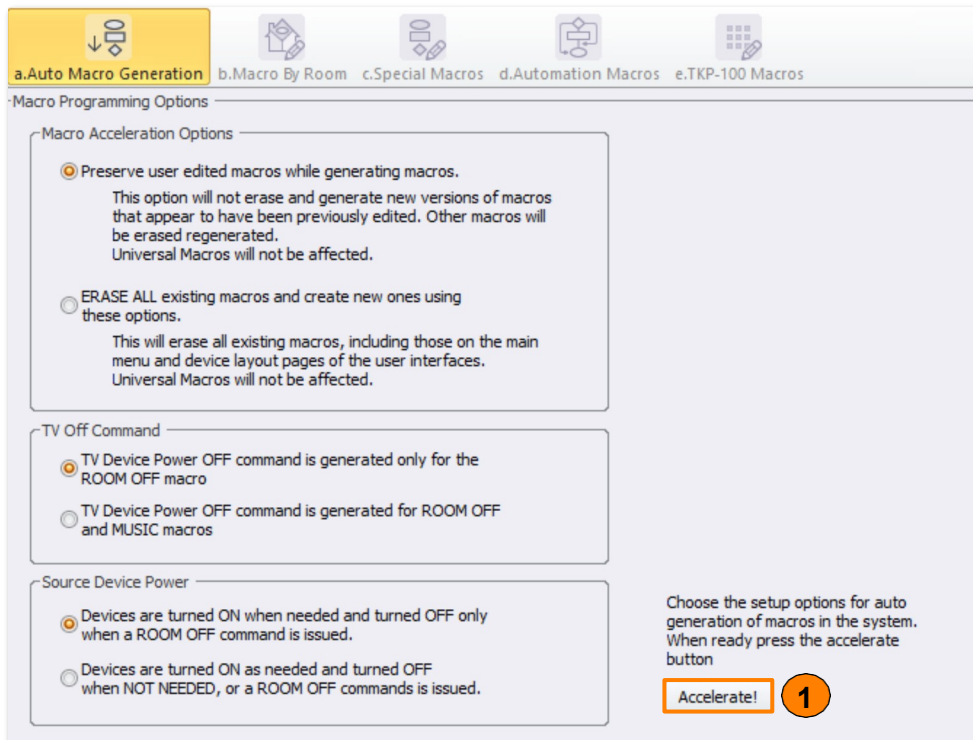
[Accelerate!] ①
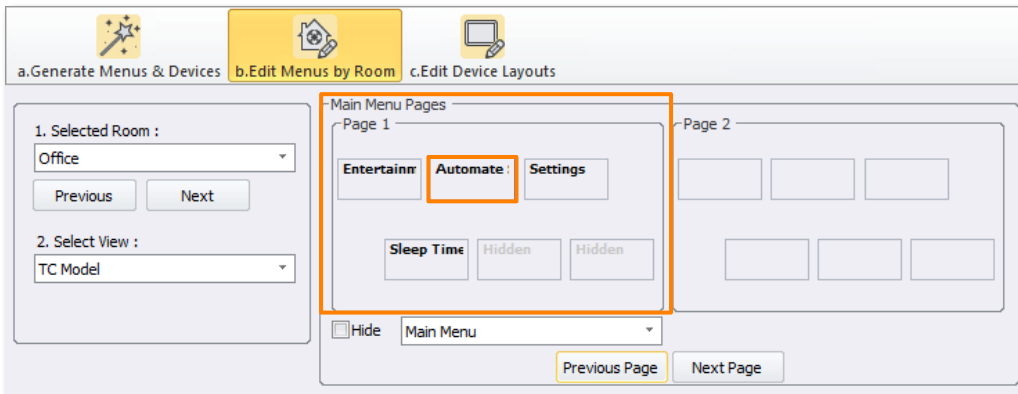
Step 12: Macro Editing

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 2 system.

Macro :

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 Pulse 2 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.

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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 Pulse 2 app.
    B.   **Percentage:** Enter a percentage value. The % symbol is not required.

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 Pulse 2 app.

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

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 Pulse 2 app.

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 Pulse 2 app.

Device Events:

The Automate Pulse 2 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 2 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.

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 Pulse 2 app.
B.   Operator: Provides basic control options.
C.   Percentage: Enter a percentage value. The % symbol is not required.
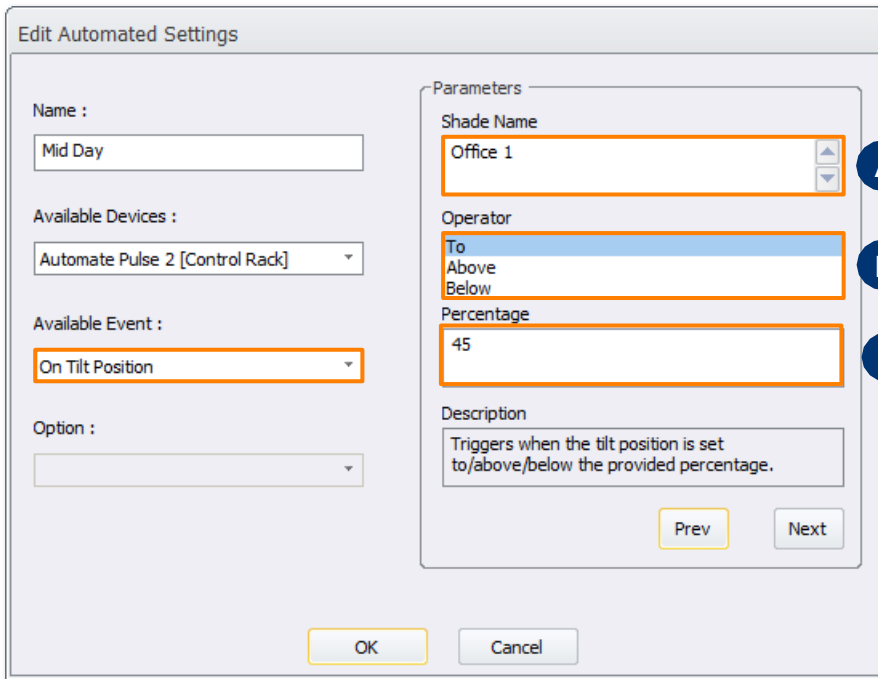
Using the Module:

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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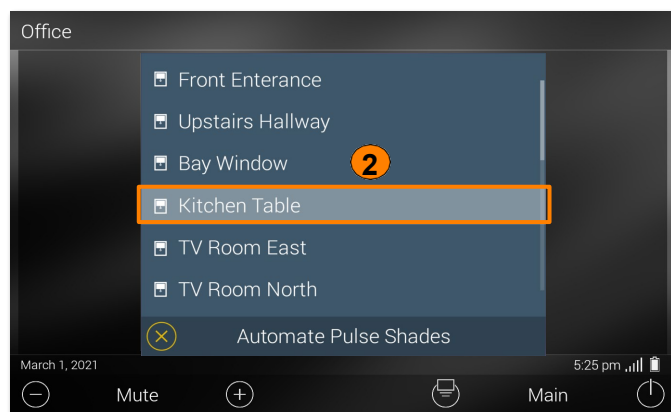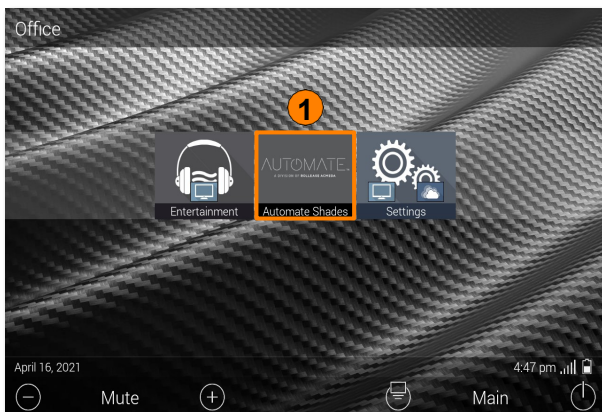
3. The shade control window appears.

Office

3

Kitchen Table

March 1, 2021   5:36 pm

—   Mute   +   Main
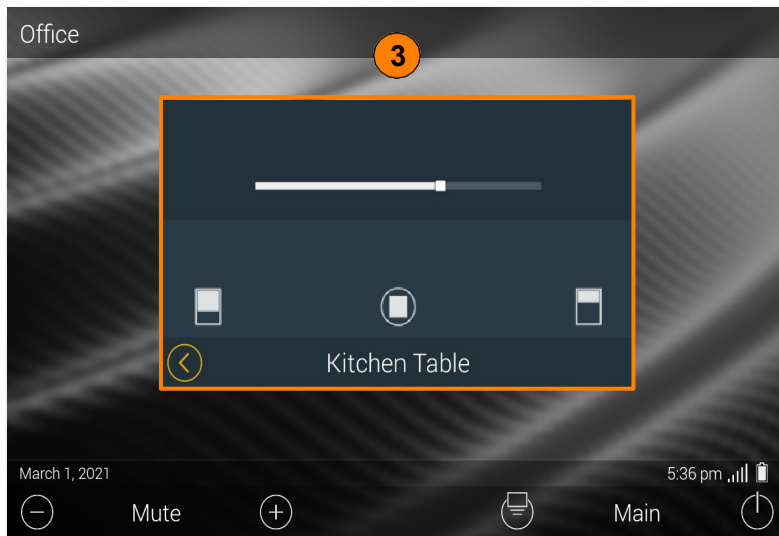
Shade Controls

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.

Office

A

B

Kitchen Table

1   2   3

March 1, 2021   5:36 pm

—   Mute   +   Main
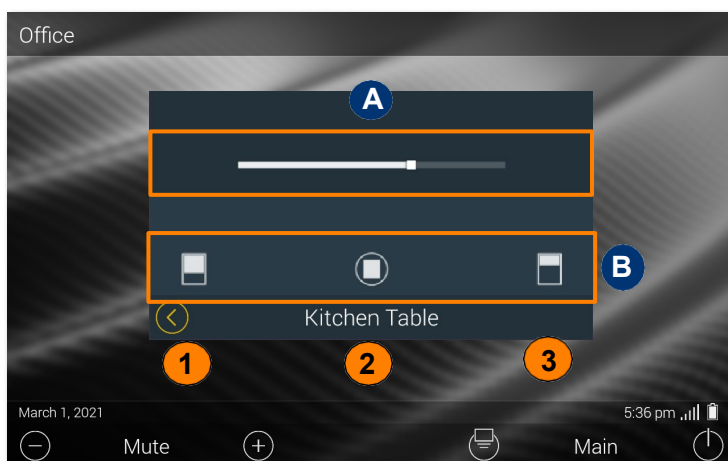
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Wand UI:

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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INTEGRATION TOPOLOGY

AUTOMATE PULSE HUB 2

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:

ADDITIONAL INFORMATION:

- The CAT 5 cable should be no longer than 100 meters (328ft).
- Router, switch or access point are required to connect the Hub via LAN connection;
- Wi-fi repeater is required depending on the cover of the Wi-fi Router signal.
- The AUTOMATE PULSE HUB 2 works only with Wi-fi in 2.4Ghz (not 5Ghz)

FREQUENTLY ASKED QUESTIONS

Q. No Pulse Hub 2 detected.

A. Make sure that your Automate Pulse 2 is connected to the correct network and get an IP Address available and still communicating with the network using the Automate Pulse App 2.

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 Hub 2 is the correct Pulse Hub 2 for the shade to be controlled. Confirm the correct bindings are set in the URC System connections tab between the Pulse Hub 2 and Shade drivers.

Q. I have multiple Pulse Hub's 2, what do I do?

A. Load two Automate Pulse Hub 2 drivers. After selecting "Retrieve Hubs" located in the driver actions tab, you will see different Automate Pulse Hubs 2 - select the desired one.

Q. I do not see any shade bindings in the Pulse Hub 2 driver?

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

Q. How do I scan for available Automate Pulse Hub's 2?

A. Once the Automate Pulse Hub 2 is properly connected via the Ethernet cable or Wireless network, navigate to the Automate Pulse Hub 2 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 RESOUCES:

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