

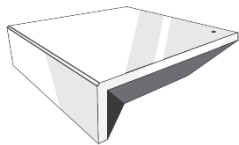
## QUICK START GUIDE

### Automate™ RTI

#### INTEGRATION SUPPORT

##### AUTOMATE PULSE HUB 2 OVERVIEW

Take your Automate experience to the next level by integrating Automate motorized shades into RTI Control Systems. The Automate Pulse is a rich integration supports discrete shade control and features a two-way communication system 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.



##### GETTING STARTED:

In order to integrate your motorized window treatments with RTI Control System, you will need to have:

- Downloaded the free Automate Pulse 2 via the Apple App Store (available under iPhone /iPad apps) or the Google Play Store.
- Purchased one or more Automate Pulse Hub 2 depending on size of the space and additional repeaters if is required.
- Integrated your motorized window treatments onto Automate Pulse app 2.

##### INSTRUCTIONS INCLUDED:

- Set up instructions for both the Automate Pulse app 2 & Automate Pulse Hub 2.
- RTI Driver Installation Specification.
- RTI Control System Driver Operating Guide.
- Integration Diagram.
- Integration FAQ's.

##### REVISION HISTORY:

- Initial release of the driver.

##### GENERAL INFORMATION:

- The Automate Pulse 2 Hub Operating Guide for information on setup of the system. This driver is for control and feedback only. Setup of the Automate Pulse 2 Hub must be completed prior to setting up driver. Contact Rollease Acmeda for information on how to complete setup using the Hub and App. This driver is for the Automate Pulse 2 Hub only and control motors (i.e. shades) via TCP Communication.

**CONNECTION SETTINGS:** The Network TCP is the only method for communicating with the Pulse 2 Hub. Enter the IP Address of the Hub in the TCP Address field.

**MOTOR COUNT (i.e. Shade Count):** Enter the number of motors (Shades) that this Pulse 2 Hub is controlling using the App to have the same capability on RTI Control System Driver.

**MOTOR NAME (i.e. Shade Naming):** Enter a unique name for each motor (i.e. shade). When the driver is running on the processor, the Motor or Shade name is updated automatically accordingly named on the Automate Pulse 2 App.

**MOTOR ADDRESS (i.e. Shade Address):** Enter the motor address that corresponds to the motor (i.e. shade) to be controlled. This address is acquired during the Automate App setup on the system.

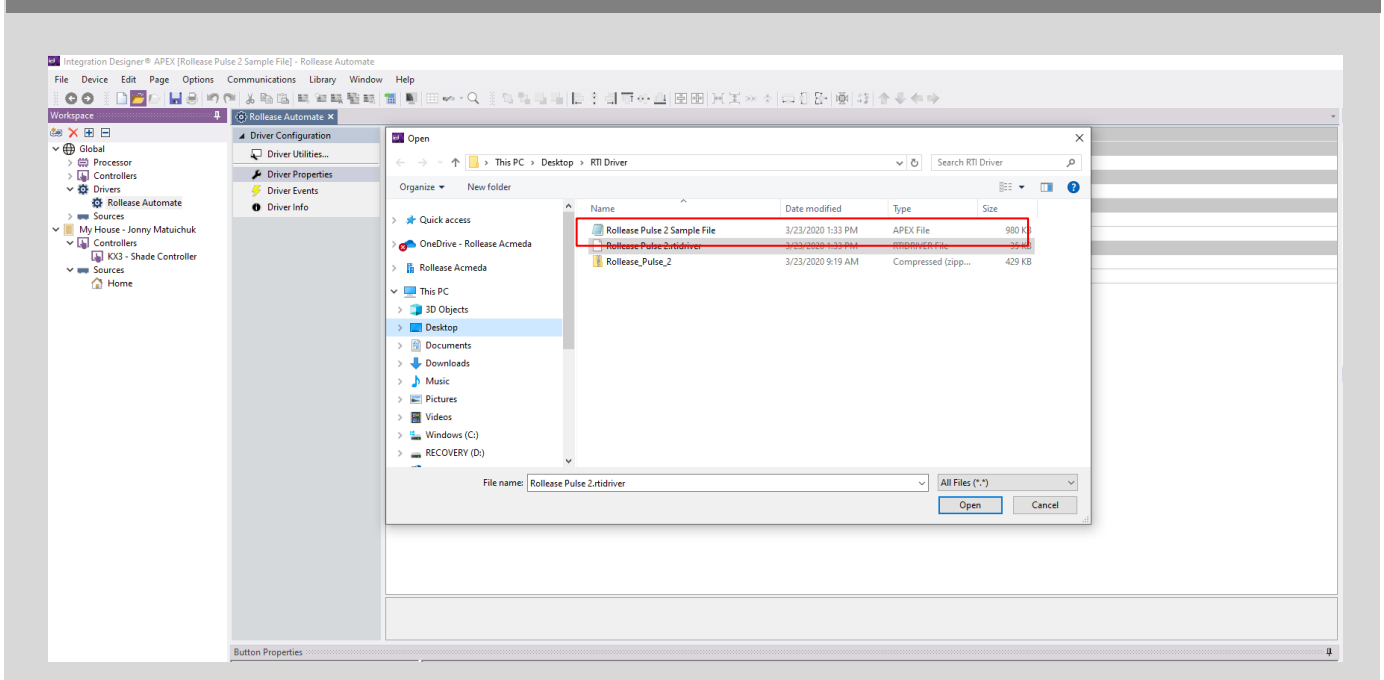
**DRIVER COMMAND:** The control commands are available for movement of motors (i.e. shades) up and down as well as adjusting the shade to a discrete level by entering a value as a percentage.

**DRIVER VARIABLES:** Feedback variables are available for initialization state, connection state, and motor (i.e. shade) specific information including name, address, and level.

## DRIVER INSTALLATION:

1. Unpack the Equipment:
  - In this case, we used XP3 Processor and a KX3 Touch Panel to exemplify the communication between the RTI Control System and Automate Pulse 2.
  - **XP3** – Use provided power supply to power up processor. Also connect to network (make sure to use ethernet connection and not RS-232). If you have a POE connection, then the XP-3 can be powered that way as well.
  - **KX3** – Use provided power supply (has a RJ-45 end) to power the KX3 through the Control Port on the back of the unit. Connect this to the network as well. If you have a POE connection, then the KX3 can be powered that way as well.
2. Unzip the file containing the driver and sample file. Copy the driver file (Rollease Pulse 2.rtidriver) to Integration Designer's Control Driver Library (Documents\Integration Designer\Control Drivers). We will open the sample file in Integration Designer APEX
3. Load Integration Designer APEX onto your computer and launch software.
4. Open provided Integration Designer APEX file (Rollease Pulse 2 Sample File.apex) from the File menu.

## STEP 1: Open the sample file in Integration Designer.



- Use the Automate Pulse 2 App to get the Hub IP address. On Manage Hub screen, you have the full Hub information. Enter "Hub IP Address" as one variable on the connection settings on Integration Designer Software.

### STEP 2: HUB IP Address

MANAGE HUB

Hub Name

Name RA-Pulse-1022744

Hub Information

Hub ID v2-RA-Pulse-1022744

Mac Address c8:2b:96:b5:49:48

**IP Address 192.168.50.253**

Hub Status Online

Hub Connection Local Wifi

Firmware 1.5.0

Devices 2

Scenes 0

Timers 2

Change Hub Location

Invite User

Remove User

### STEP 3: Shade Address

SHADE SETTINGS

Shade Information

Shade Name Bedroom 1

Room Master Bedroom

ShadeType Rollers

Paired Hub v2-RA-Pulse-1022744

**Shade Address GF9**

Power Source Battery

Power Module Type D24

Shade Health Information

Power Level 73%

Signal Strength -85

Status Online

Position Settings

Top Position

Bottom Position

Delete device

### STEP 4: Shade Address

SHADE SETTINGS

Shade Information

Shade Name Bedroom 2

Room Master Bedroom

ShadeType Rollers

Paired Hub v2-RA-Pulse-1022744

**Shade Address B26**

Power Source DC module

Power Module Type D20

Shade Health Information

Power Level 100%

Signal Strength -76

Status Online

Position Settings

Top Position

Bottom Position

Delete device

- In this example, it was used 2 motors/shades only. The motor "count number" will determine how many motors will be showing available in the list below it. Add a unique "Motor Name" for each motor on that list and enter the "Motor Address" for each shade according to available on Automate Pulse 2 App on the device screen.

### STEP 5: Integration Designer Set up

Integration Designer - APEX (Rollease Pulse 2 Sample File) - Rollease Automate

File Device Edit Page Options Communications Library Window Help

Workspace

Rollease Automate

Driver Configuration

Driver Utilities

Driver Properties

Driver Events

Driver Info

System Settings

Connection Settings

TCP Address 192.168.1.4

Hub Configuration

Motor Count 2

Motor 1

Motor Name Shade 1

Motor Address F09

Motor 2

Motor Name Shade 2

Motor Address 0D9

Include the total of motor/shades on Automate Pulse 2 App

Button Properties

<To create or edit a macro, select an item in the tree control on the left.>

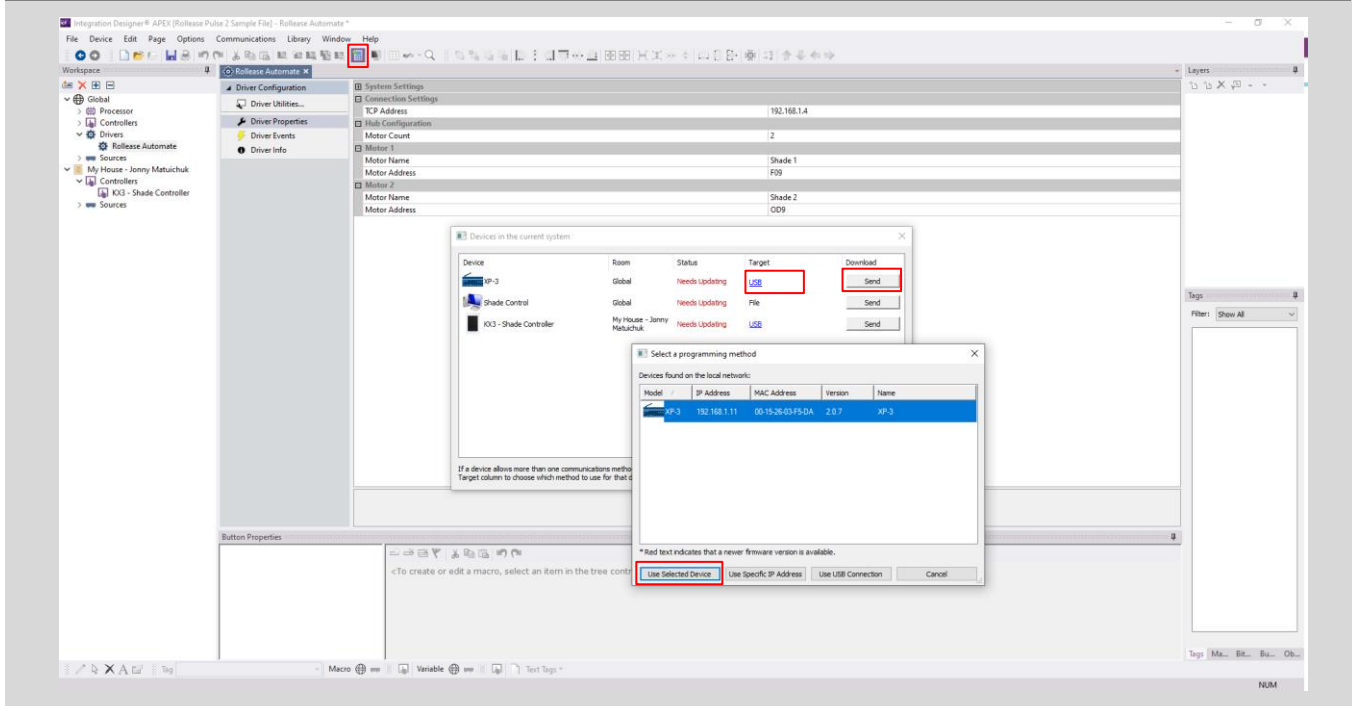
Tags

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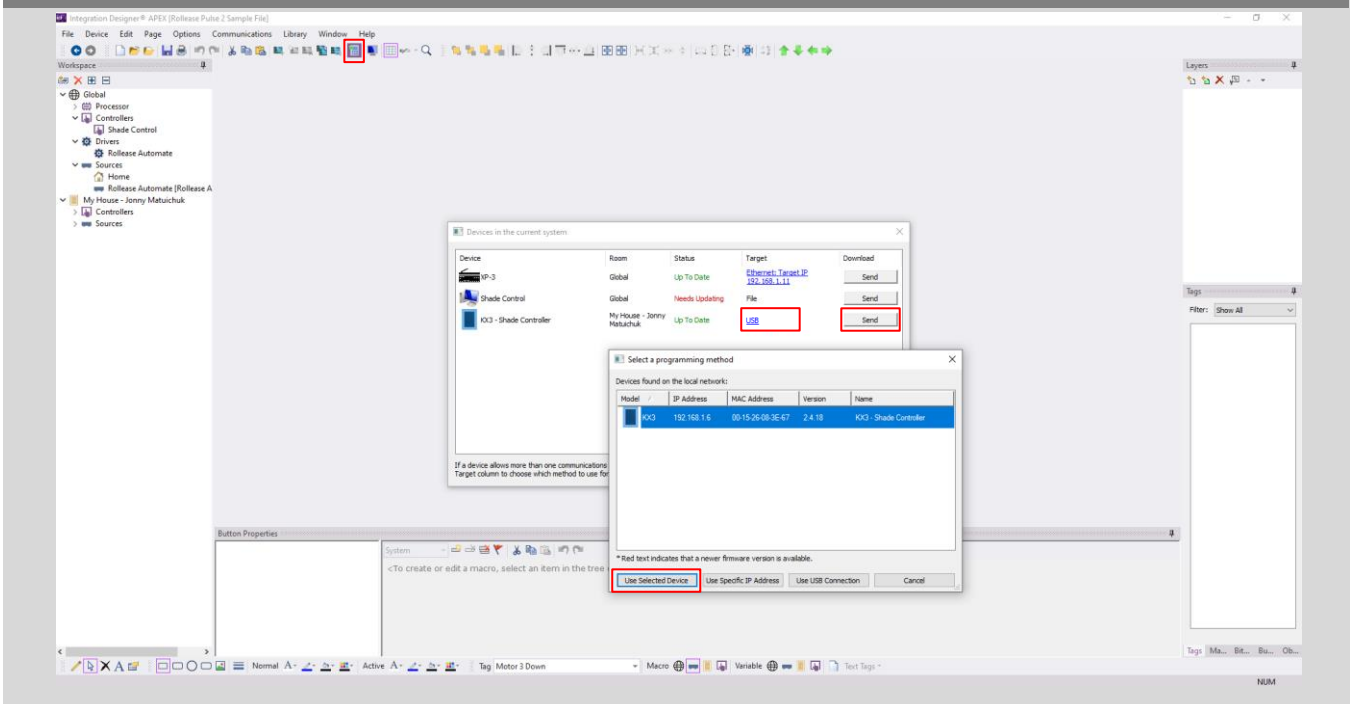
- Click on the "Download" icon from the top toolbar. This will open a screen with all devices available on Integration Designer. After that, click on the "USB" link that corresponds to your processor (in this case for the XP-3) in the Target column. When clicking that, a new window will open that shows all processors in your system. Select that one it corresponds to your processor and click on "Use Select Device". Then after the window closes click the "Send" button in the Download column.

## STEP 6: Programming the XP-3 Processor



- Repeat the same process for KX3 Touch Pad.

## STEP 7: Programming the KX3 Touch Pad

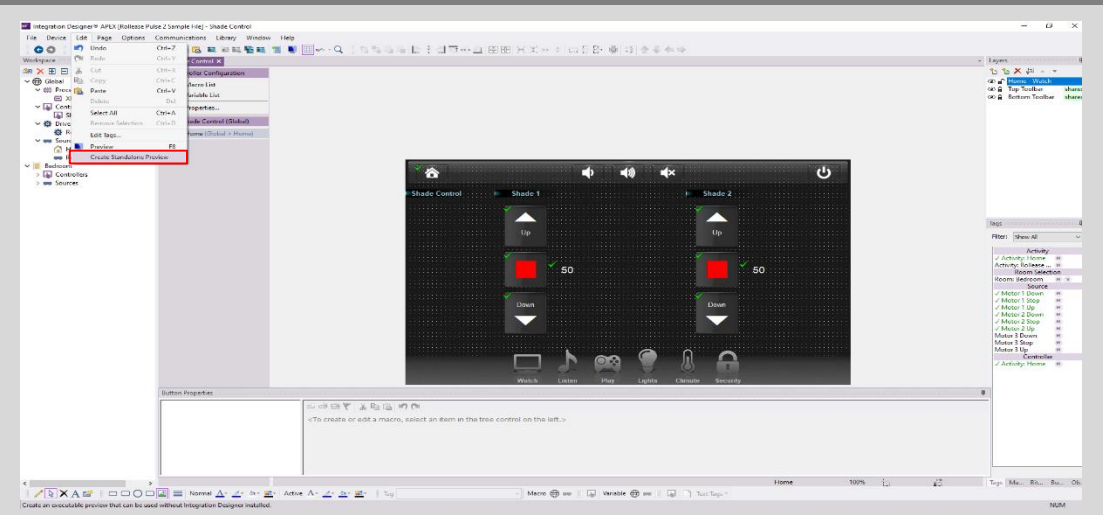


## STEP 8: Controlling the Shades using Touch PAD



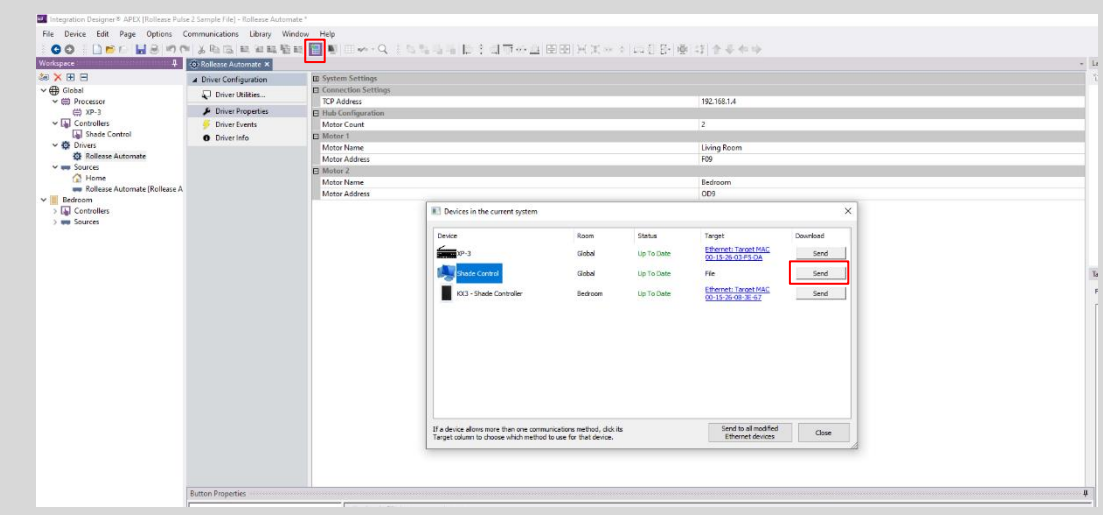
## STEP 8: Creating a Virtual Panel

puter.

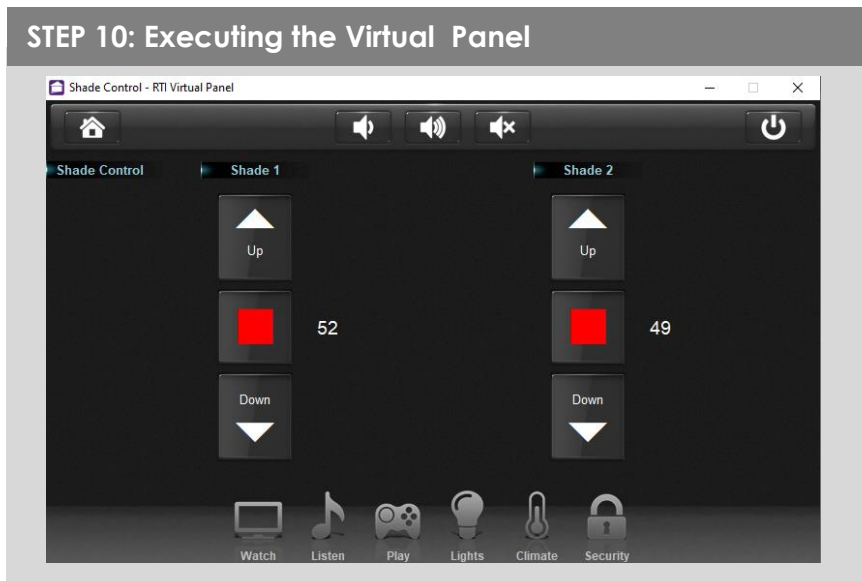


10. To launch the Virtual Panel, click the "Send" button like you did with the previous devices. Since this is a virtual device you will be directed to save the Virtual Panel to a location on your computer.

## STEP 9: Compiling the Virtual Panel



11. Once you save the Virtual Panel it will launch.



**Common Mistakes:**

- Entering the wrong IP address in the "IP Address" configuration line.  
If you're failing to communicate with the devices, double check this!

**RTI CONTROL SYSTEM CONNECTION:**

### INTEGRATION TOPOLOGY

DOTTED LINE DENOTES THE "KIT"

### 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:

**RJ45 Pinout T-568A**

1. White Green	5. White Blue
2. Green	6. Orange
3. White Orange	7. White Brown
4. Blue	8. Brown

**RJ45 Pinout T-568B**

1. White Orange	5. White Blue
2. Orange	6. Green
3. White Green	7. White Brown
4. Blue	8. Brown

RJ45 SOCKET

**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 RTI Control 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 RTI Control System connections tab between the Pulse Hub 2 and Shade drivers.

**Q. We get unexpected responses from the RTI 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.rolleaseacmeda.com](http://www.rolleaseacmeda.com).