

QUICK START GUIDE Automate[™] Control4

AUTOMATE PULSE HUB 2 OVERVIEW



Take your Automate experience to the next level by integrating Automate motorized shades into CONTROL4 Smart Home 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.

OVERVIEW:

Control4 Version Required	2.9.0 minimum
Developer	annex4
Initial Release Date	5/28/2019
Last Modified Date	5/28/2019
Support Email	automate@rolleaseacmeda.com
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Note: For support of real time updates the annex4 Link driver is required. You can find the driver at: https://annex4.link/drivers/link

HARDWARE INSTALLATION:

- Install all shades/blinds/motors at desired locations
- Connect the Hub to the Automate Pulse app
- Connect all shades/blinds/motors to the Automate Pulse app

DRIVE INSTALLATION:

- 1. Place the "Automate Pulse Hub" driver into the project.
- 2. Navigate to the Connections section and select the Network tab.
- 3. Enter the IP address of the Automate Pulse Hub.
- 4. Confirm that shades have been detected by looking at the Detected Drivers property.
- 5. For each shade that the "Automate Pulse Hub" has added to the connections add an "Automate Pulse Shade" driver to the project.
- 6. Bind the "Automate Pulse Shade" drivers to the "Automate Pulse Hub".
- a) Once the connection has been bound the driver will automatically populate shade properties.
- 7. Set the 'Shade Movement Type' to 'Move' or 'Rotate' to determine what the driver should control.
 - a) 'Move' will control basic shade movement.
 - b) 'Rotate' will control the motor rotation.
- 8. Run the 'Calibrate' action on the shade, this will prepare the driver to calculate the travel times of the shades. By doing this the driver will accurately display ramp rates for a better user experience.
- 9. Refresh Navigators.

NOTE: Grayed out sections are part of the hub driver installation.



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STEP 3: The properties of the driver and discovered shade (5WE).

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STEP 5: Documentation available on the Composer Pro. Composer Pro 3.0.0 - RBoucher (Local) File Driver Go Tools Help System Design Pr Properties Summary List View My Dri Locations ^ v 0 Y ies Actions Docur Nest Protect (DS2.7+) Nest Master Driver (DS2.7 System Remote Control St Multime ⊻Local ⊻0 View External Do ine 🗆 Ci Category: -- All Categories --Home - PC Type: -- All Types --~ - Al Manufacturer ~ A DIVISION OF ROLLEASE ACMEDA Control Method: All Methods ~ Sort Relevance ~ Automate Motor v2 Rollease Acmeda 2019-07-10 1:25 PM Local Automate Pulse Hub v2 2019-07-10 1:25 PM Control4 Version Required Developer Initial Release Date Last Modified Date 2.9.0 minimum Local 2.9.0 minin annex4 5/28/2019 5/28/2019 NX-584 RS-232 Automation Module Local 2016-11-08 12:00 AM SuperBus 2000 RS-232 Automation Module Automate@romeaseeurnese.son.. Support Email Automate@romeaseeurnese.son.. Exer For support of real time updates the annex4 UNK driver is required. You can find the driver at: <u>https:/</u> Local WoW Switch Keypad 2016-01-29 10:00 AM Local 🖻 Auto Updater Install all shades/blinds/motors at desired locations Connect the Hub(s) to the Automate Pulse app Connect all shades/blinds/motors to the Automate Pulse app 2015-06-23 2:28 PM Local Door Auto-Lock (OS2.9+) Control4 2017-12-13 9:35 AM Local er Installation TWEF Installation Place the "Automate Pulse Hub" driver into the project Navigate to the Connections section and select the Network tab Enter the IP address of the Automate Pulse Hub Confirm that shades have been detected by looking at the Detected Drivers property. For each shade that the "Automate" Pulse Hub" has addre to the connections add an "Autor Aurora Nanoleaf 1) 2) 3) 4) 2019-02-28 1:19 PM Local Aurora 2018-07-11 9:24 PM Local Nationeral Network File Storage Control 2005-05-09 12:30 PM (Cost)(2) unce the connection has been bound the driver will automatically populate shade properties the 'Shade Movement Type' to 'Move' or 'Rotate' to determine what the driver should control NVidia Shield basis Shore movement I be motor rotation Ion on the shade, this will prepare the driver to calculate the travel times of the shades. By doing this the dri 2017-12-06 8:36 AM Local Automate Motor 2018-05-24 3:41 PM Online 🗸 rate: ē TE: Grayed out sections are part of the motor driver installation < Provious Next > 1-12 of 13 M 🗞 😔 🎫 💈 Ocnnected to 192.168.1.10 (SSL) or Status: Mil

This driver is an Interface Controller for the Rollease Acmeda Automate Pulse Hub 2. It allows IP control over Rollease shades from CONTROL4.

DRIVE FOR THE MOTOR:

SUPPORTED FEATURES:

- Drag and drop installation
- Easy calibration of shade travel time
- Control of motor rotation and shade movement

PROPERTIES:

Property		Description			
Auto Update	Enables or disables real time updates of the driver from annex4				
	For support of this property	the annex4 Link driver is required			
Driver Version	The current version of the d	iver			
Server Version	The server version of the driver				
	For support of this property the annex4 Link driver is required				
Debug Mode	Reports information to the log and Lua output window				
Dobog Modo		Modes			
	Debug	Reports the data being moved around			
	Trace	Reports the flow of the driver			
	Info	Reports basic pieces of information			
	Warning	Reports any small issues that arise			
	Error	Reports any large issues that arise			
	Fatal	Reports issues that cause the driver to fail			





Shade Movement Type	'Move' to control shade movement 'Rotate' to control motor rotation
Shade Address	The address of the shade
Shade Type	The motor type operating the shade
Shade Speed	The speed in rotations per minute
Reverse Operation	Reverse the UI level displayed
Open Travel Time	The time it takes for the shade to go from closed to opened in milliseconds
Close Travel Time	The time it takes for the shade to go from opened to closed in milliseconds
Current Motor Level	The current level of the motor, this is the opposite of what is shown in Control4. A motor level of 30 is displayed as 70 in Control4.
Current UI Level	The current level that Control4 is displaying

ACTIONS:

Action Name	Description
Stop	Stops the shade
Jog	Jogs the shade open
Open	Opens the shade
Close	Closes the shade
Calibrate	Create bindings for paired shades on the serial connection
Identify	Moves all other shades to 'Open' and sets this shade to '50'
	This allows a dealer to quickly identify a shade
Get Shade	Forces the driver to retrieve the shade information to update
Info	properties
Update Now	Updates the driver to the latest version

Control Name	Connection Type	Description
Automate Pulse Hub	automate_shade	The communication binding that lets the shade relay
		commands to the hub driver
Open Button Link	BUTTON_LINK	Click to open, push to start opening, release to stop
Close Button Link	BUTTON_LINK	Click to close, push to start closing, release to stop
Toggle Button Link	BUTTON_LINK	Click to toggle, push to start the toggle, release to stop
Stop Button Link	BUTTON_LINK	Click to stop

FOR THE HUB:

SUPPORTED FEATURES:

- Simple installation of the hub driver by connecting the network connection;
- Automatically calculates the travel time of the motors accurate to within 50ms;

PROPERTIES:

Property		Description		
Auto Update	Enables or disables real time update	s of the driver		
	For support of this property the anne:	x4 Link driver is required		
Driver Version	The current version of the driver			
Server Version	The server version of the driver.			
	For support of this property the annex4 Link driver is required.			
Debug Mode	Reports information to the log and Lua output window			
		Modes		
	Debug	Reports the data being moved around		
	Trace	Reports the flow of the driver		
	Info	Reports important pieces of information		
	Warning	Reports any small issues that arise		
	Error	Reports any large issues that arise		
	Fatal	Reports issues that cause the driver to fail		





Serial Number	The serial number of the hub
MAC Address	The mac address of the hub
Detected Shades	Lists the addresses of all shades discovered on the hub
Terminal	Allows the dealer to manually send commands to the automate hub.
	Commands should be formatted with a starting "!" and an ending ";"
	Responses will show in the property shortly after the command is sent

ACTIONS:	
Action Name	Description
Retrieve	Create bindings for paired shades on the serial
Shades	connection
Clear Shades	Clear the bindings created for shades on the serial
	connection
Close All	Closes all shades
Open All	Opens all shades
Calibrate All	Informs each motor endpoint to calibrate its motor travel
	times
Update Now	Updates the driver to the latest version

CONNETIONS:

Control Name	Connection Type	Description
<room>:<shade>:<address></address></shade></room>	AUTOMATE_SHADE	The communication binding for a shade endpoint driver
Link Reveal	LINK_REVEAL	This connection is used for annex4's notification and display type devices. By using this binding, you can get notifications on display type devices with minimal programming.

COMMOMS MISTAKES:

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

CONTROL4 SYSTEM CONNETION:



NUTOMATE





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 CONTROL4 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 CONTROL4 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 don't 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 CONTROL4 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 <u>www.rolleaseacmeda.com</u>.



