Quick Motor Commissioning Guide

485 | RTS | Zigbee

⚠ INSTALLERS: PLEASE LEAVE THIS MANUAL WITH THE OWNER.

Doc. # 400160 | v. 1.11 | 22 January 2023

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BEFORE PROCEEDING

⚠ Read the instructions in their entirety before proceeding. Actions contrary to the instructions invalidate the warranty and may result in serious damage and/or injury.

Preparing for installation: It is crucial that all installations are planned out carefully before specifying a screen/shade order.

- Throughout this document, “jog” is defined as a single up/down movement to acknowledge an action.
- During Zigbee motor discovery, a best practice is to discover and name a single motor at a time.

485 COMMISSIONING

- OPTION 1 – with Moab
- OPTION 2 - with TRO.Y
- OPTION 3 – with Decoset
- OPTION 4 – with USB Cable
  485 Control Commisioning with Serial

485 COMMISSIONING – OPTION 1
with **MOAB (Setting Limits)**

Detailed Moab Commissioning and Integration Guide:
Scan the QR code or use the link below to access:
https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/moab-installation-instructions.pdf

Motor limits are set at the SI factory.
Care must be taken when setting limits, as damage to the screen material may occur if the motor is moved too far past the upper or lower limit.
Contact SI Support for help with setting limits on your screen

Upper Limits

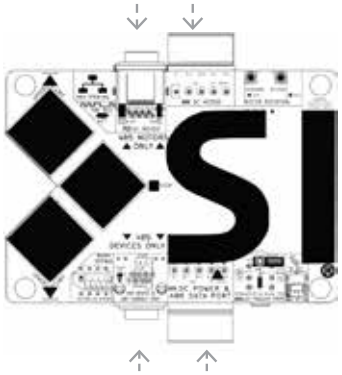
- To adjust the upper limit, set the PROG MODE switch to ON (Refer to illustration on pg 8).
- Using the UP (Red) and/or DOWN (Blue) buttons, move the screen to the desired upper limit.
- Hold both the UP (Red) and STOP (Green) buttons for one second until the UP (Red) and STOP (Green) LEDs flash
- The motor now has a new upper limit set. You may now switch the PROG mode back to OFF and use the buttons to test the newly set limit.

Lower Limits

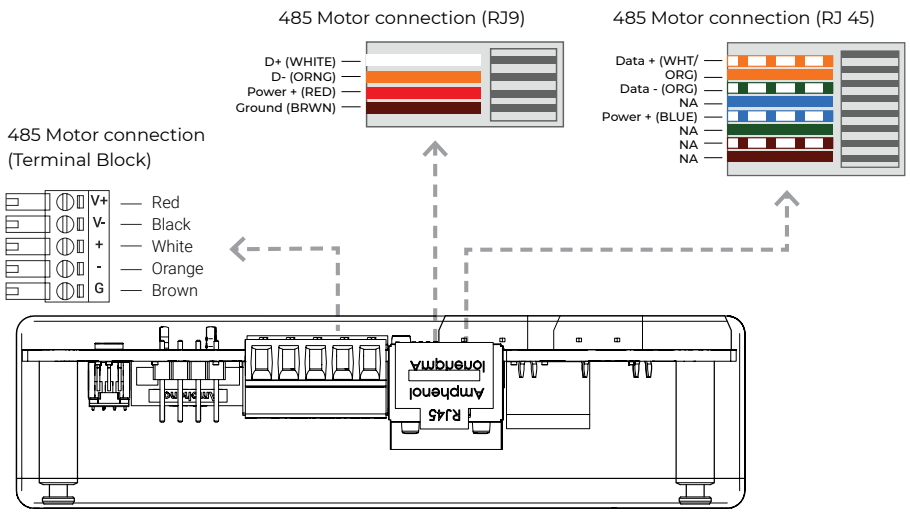
- To adjust the lower limit, then set the PROG MODE Switch to ON (Refer to illustration on pg 8).
- Using the UP (Red) and/or DOWN (Blue) buttons move the screen to the desired lower limit.
- Hold both the DOWN (Blue) and STOP (Green) buttons for 1 second until the DOWN (Blue) and STOP (Green) LEDs flash.
- The motor now has a new lower limit set, and you can now switch the PROG mode back to OFF and use the buttons to test your newly set limit.

Connection Details

Motor Connection (Only 1 of these can be used at a time)



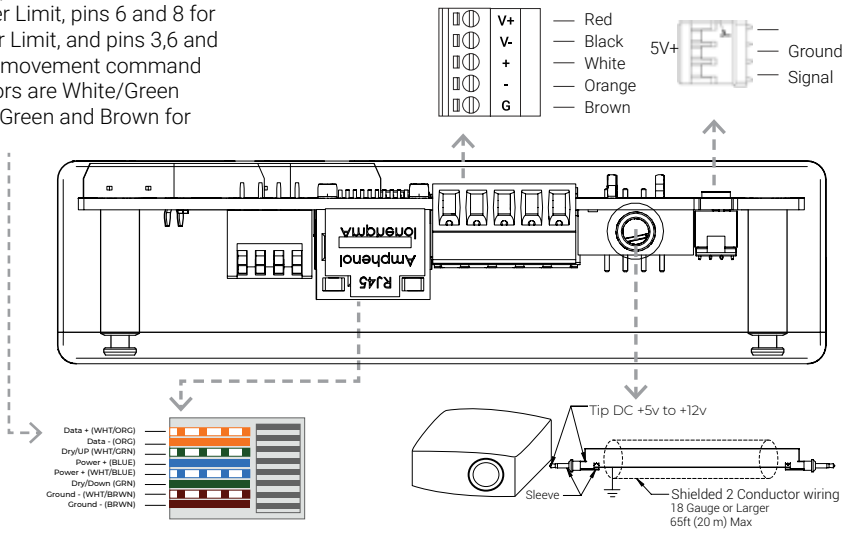
485 Device Connections (Both of these can be used, simultaneously)



485 COMMISSIONING – OPTION 1
with **MOAB (Bottom Connection Detail, Basic Programming)**

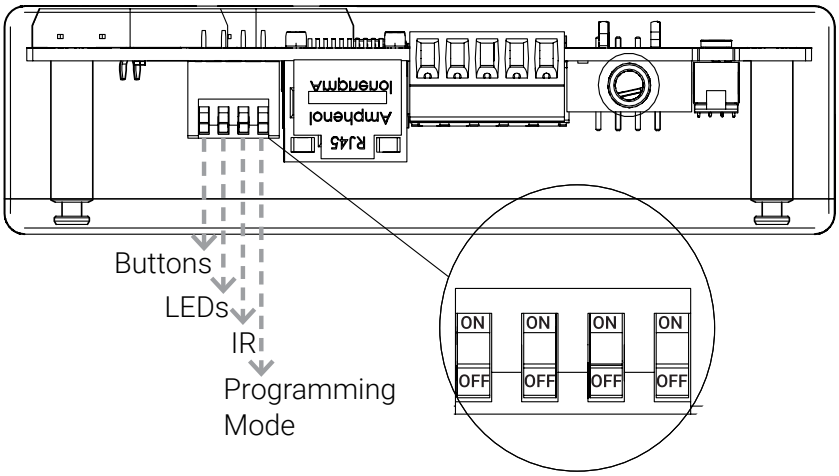
Bottom Connection Detail

The Dry contact using pins 3 and 8 for movement to the Upper Limit, pins 6 and 8 for movement to the lower Limit, and pins 3,6 and 8 for sending the Stop movement command
If using T568B the colors are White/Green and Brown for UP and Green and Brown for DOWN



485 Device connections (RJ 45 and Terminal Block)

Basic Programming



IR:

- **ON**: Activates the built-in IR Rec
- **OFF**: Inactivates the built-in IR Rec

Programming Mode:

- **ON**: Places board in Programming Mode
- **OFF**: Places board in User Mode

Buttons:

- **ON**: Three (3) buttons will work in both User or Programming mode
- **OFF**: Buttons are not allowed to work in User or Programming mode

LEDs:

- **ON**: Activates all LEDs
- **OFF**: Inactivates all LEDs

*The 485 Pairing LED and button LEDs may be active regardless of the LED setting switch

485 COMMISSIONING – OPTION 1
with **MOAB (Button Details)**

User Mode (Default)

BUTTONS	ON PRESS	ON RELEASE < 3 Seconds	ON HOLDING > 3 Seconds
Red	Nothing sent	Moves motor to upper limit	Auto programs 485 device(s) to motor
Green	Nothing sent	Stops any motor move-ment	Starts 485 device channel to 485 motor assignment
Blue	Nothing sent	Moves motor to lower limit	Auto programs 485 device(s) to motor
Red + Blue	Nothing sent	Nothing sent	Erases 485-device channel to 485 motor assignment
Red + Green + Blue	Nothing sent	Nothing sent	Erases paired motor ID from Moab, Erases Moab group address

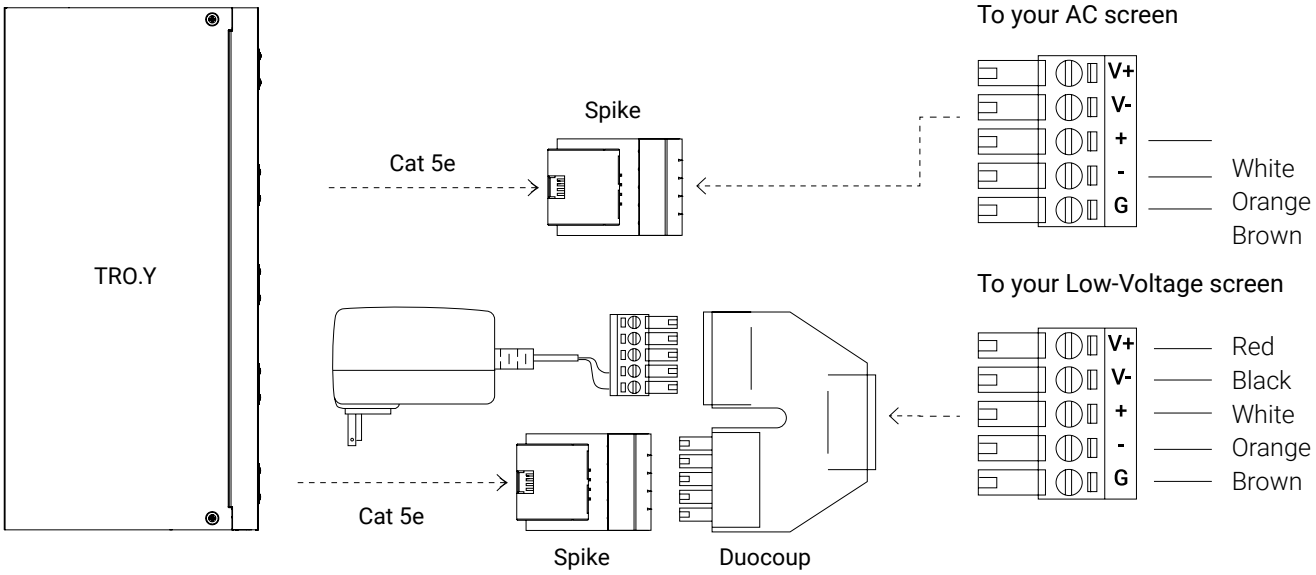
Programming Mode

BUTTONS	ON PRESS	ON RELEASE <1 Second	ON HOLDING >1 seconds
Red	Sends fine UP cmd	Nothing sent	Continuously sends limit fast UP to motor
Green	Nothing sent	Send STOP cmd	Discover and pair motor (Broadcast)
Blue	Sends fine DOWN cmd	Nothing sent	Continuously sends limit fast DOWN to motor
Red + Green	Nothing sent	Nothing sent	Sends set upper limit at current location to motor
Blue + Green	Nothing sent	Nothing sent	Sends set lower limit at current location to motor
Red + Blue	Nothing sent	Nothing sent	Sends rotation toggle to Motor (3 times)
Red+ Green+ Blue	Nothing sent	Nothing sent	Sends factory reset cmd to a paired Motor, erases paired motor ID from Moab, erases Moab group address

485 COMMISSIONING – OPTION 2
with **TRO.Y** (optional)

1. Make your connections as shown below.
2. Then apply to your Low-Voltage power supply or AC voltage screen.
3. Connect TRO.Y to a PoE port on your switch or use the included PoE injector.
4. Using a web browser enter the IP address of TRO.Y and click on the Integration table.
5. Select the device table and click 485 Discovery. Once your screen/shade has been found, click “Stop 485 Discovery.”
6. Click on the Config button of your imported screen.
7. You can now adjust your limits and other settings and send them to your screen when complete.

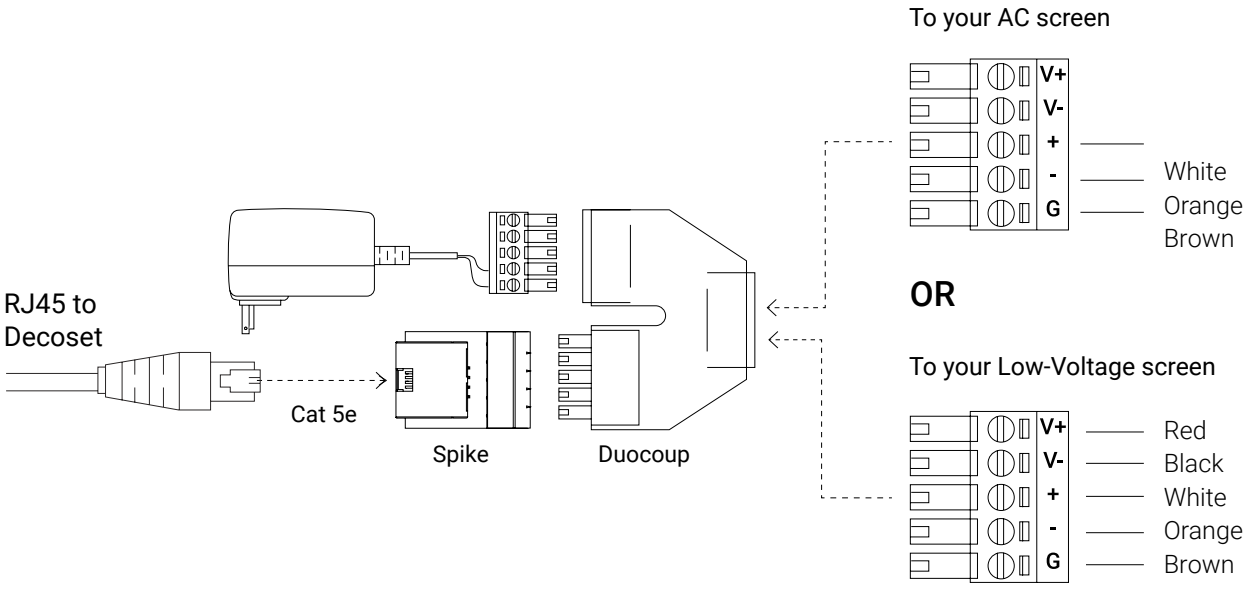
For a complete instructions for TRO.Y scan this QR code, or use this link https://si-website-files.s3.amazonaws.com/Downloads/Programming+Guides/Shade/troy-programming-guide.pdf



485 COMMISSIONING – OPTION 3
with **Decoset** (optional)

1. Make your connections as shown below.
2. Apply to your Low-Voltage power supply or AC voltage screen.
3. A red LED on the back of the Decoset will begin to flash, indicating that you are ready to set limits.
4. Review movement and setting commands listed on the next page to set your limits.

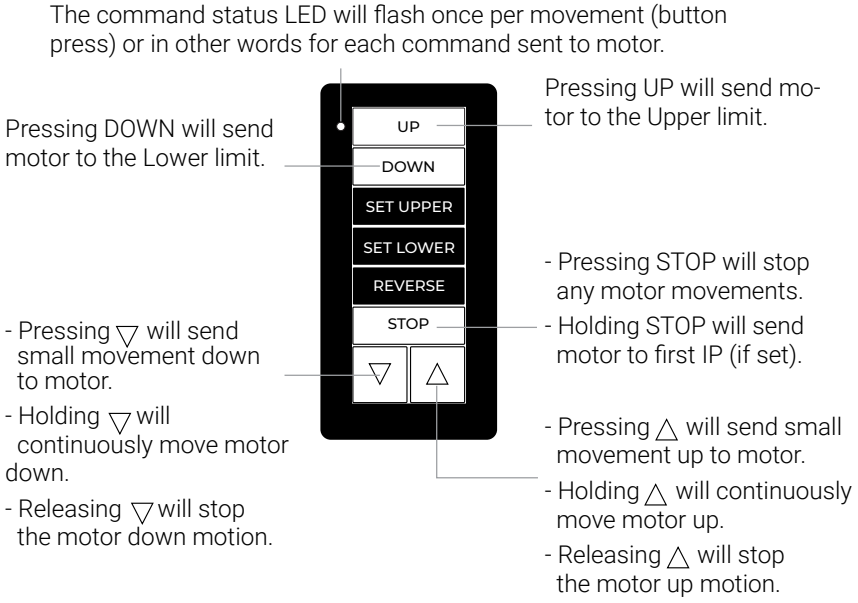
For a complete instructions for Decoset scan this QR code, or use this link
https://si-website-files.s3.amazonaws.com/Downloads/Installation+Instructions/Accessories/decoset-keypad-installation-instructions.pdf



485 COMMISSIONING – OPTION 3
with **Decoset** (optional)

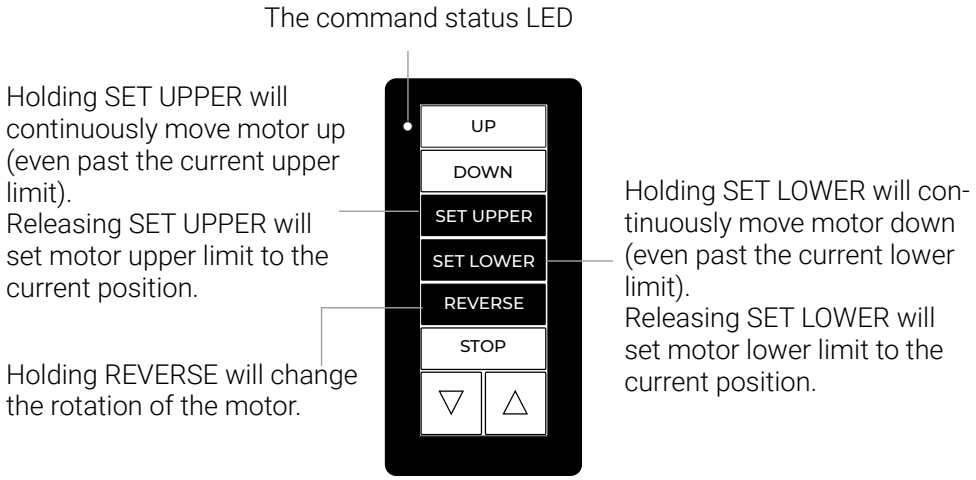
DECOSET MOVEMENT COMMANDS (WHITE BUTTONS & LED)

Scan the QR code to download the software or, use this url below to download it under the guides on this page, https://support.screeninnovations.com/accessories/usb-programming-kit/#dd8bc475ccd3e5ba0



DECOSET SETTING COMMANDS (BLACK BUTTONS)

⚠ Setting upper/lower limits past min/max could cause damage to the viewing material and would void the warranty.



485 COMMISSIONING – OPTION 4

with **USB Cable** (included with most screens)

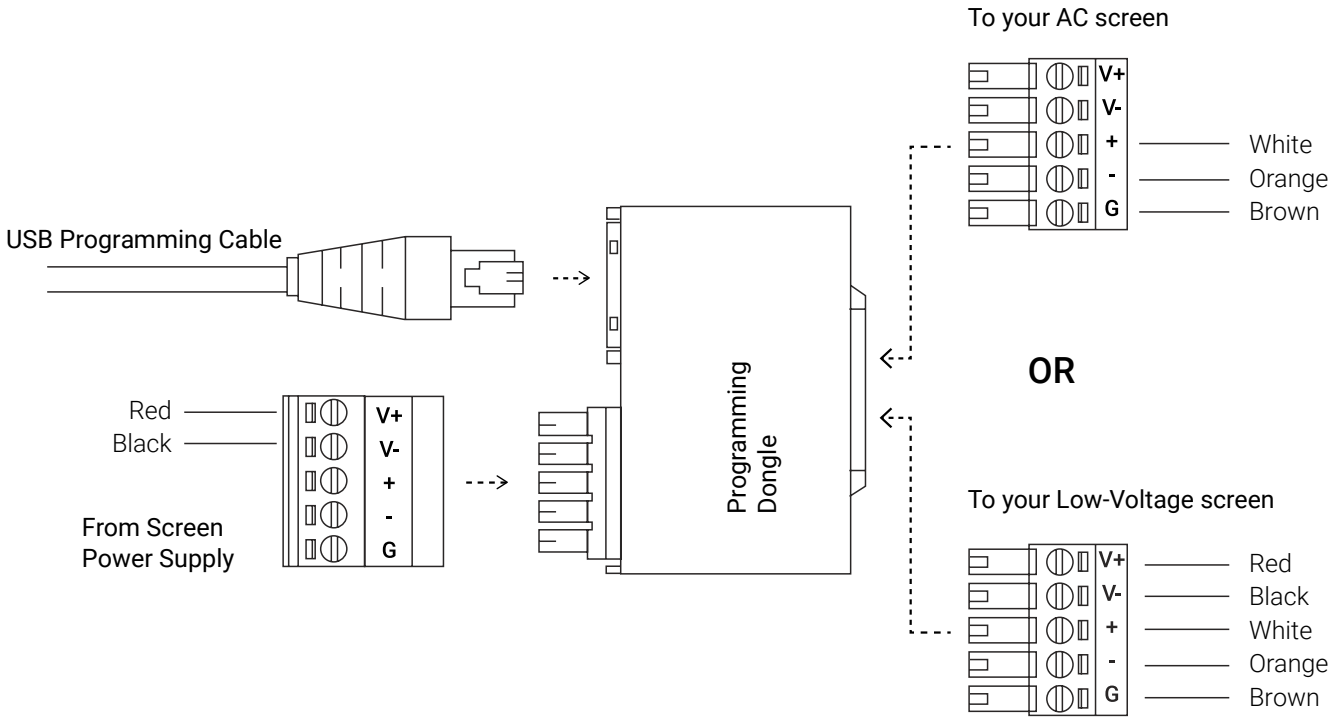
1. Install Somfy Motor Configuration Software on a **Windows PC (not compatible with MAC).**

Scan the QR code to download the software or, use this url below to download it under the guides on this page, https://support.screeninnovations.com/accessories/usb-programming-kit/#dd8bc475ccd3e5ba0

2. Included with the software download is a comprehensive programming guide which will step you through setting the limits and other settings.

3. Connect the USB programming cable to the RJ45 connector on the included Programming Dongle, and then connect both your Screen/Shade and Power supply, as shown below.

4. Open the Somfy SDN Motor Configuration Software, and select the USB cable com port from the upper left box, and now click on get single motor address and you are ready to set your limits.

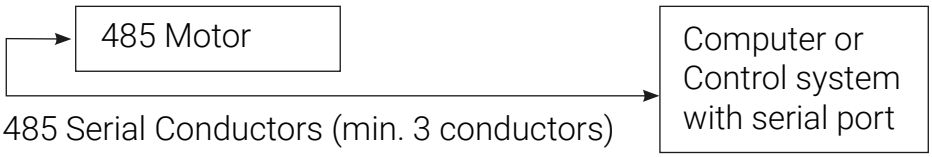


485 CONTROL COMMISSIONING
with **Serial** (if supported by control system)

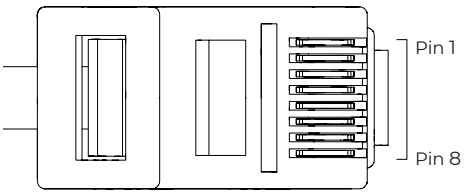
Additional third party integration information is also available in the corresponding technote and/or the system manufacturers instructions.

Note: To change the motor settings (lower limit) you will need an SI limit setting tool.

For connection to your control system refer to pinouts below. Next, use the SDN (485) string calculator (scan the QR code) to generate desired control strings. These strings can be cut and paste for use with many control systems. For further integration help call support at 512.832.6939.



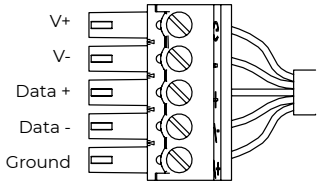
Janus/TRO.Y/Suite XVI – RJ 45 Pinouts



Utilizing RJ-45 TIA-568B termination standard

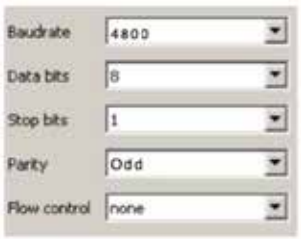
Pin#	Color	Function
1	Orange White	SDN Data RS485 (+)
2	Orange	SDN Data RS485 (-)
3	Green White	Spike sense*
4	Blue	Power 24v DC (V+)
5	Blue White	Power 24v DC (V+)
6	Green	Spike sense*
7	Brown White	SDN RS485 Ground (G)
8	Brown	SDN RS485 Ground (G)

Low-Voltage Nano/Solo/Fontus – Terminal Block pinouts



5 Conductor Cable for 485-LV motor

3rd Party Terminal block		SI Screen/ Shade Terminal Block
Ground	485 Ground*	G
B/Z	485-	-
A/Y	485+	+



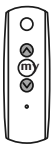
RTS COMMISSIONING

- Set Limits
- Zen Motor Reset

RTS COMMISSIONING – SET LIMITS

Adjusting the Limits in User Mode

To change the lower limit
Send the motor to it's current lower limit.



Press both ▲ and ▼ at the same time until the motor jogs. Adjust to a new lower limit position.

Press my until motor jogs.

To change the upper limit
Send the motor to it's current upper limit.

Press both ▲ and ▼ at the same time until the motor jogs. Adjust to a new lower limit position.

Press my until motor jogs.

Setting an Intermediate Position (Preferred Position)

Setting
Press the ▲ or ▼ to operate motor. At the desired intermediate (preferred) position press my (Stop) to stop the motor.

Once the desired Intermediate position is reached, Press and hold my (stop) until the motor jogs. The intermediate position is now added to memory.

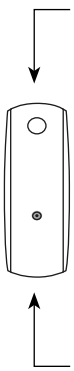
Using
Send the motor to the intermediate position by pressing my (stop) from ANY motor position.

Note
- Motor should be stationary prior to activating intermediate position function.

- If motor is actively moving (in - motion) my Should be pressed twice.

To Delete:
Activate motor to intermediate position, then press and hold my (stop) for 5 seconds. Motor will jog to confirm deletion.

Adding or Deleting a Transmitter or Channel

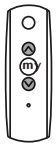


Programmed Transmitter
Step 1: Using already programmed transmitters select the transmitter (single channel) or the channel, (1–5) of a multi-channel transmitter.
Step 2: Press and hold the programming button of that transmitter until the motor jogs.

Transmitter to Add or Delete
Step 3: Select the transmitter (single channel) or the channel, (1–5) of a multi-channel transmitter, to be added or deleted.
Step 4: Press and release the programming button of that transmitter until the motor jogs.

RTS COMMISSIONING – SET LIMITS

Setting the Limits



1. Use ▲ and ▼ to move the screen to the desired *upper limit*.
2. Hold my and ▼ until the screen begins to move down. Press my to stop the screen near the desired lower limit.
3. Fine tune the lower limit using ▲ and ▼.
4. Hold ▲ and my until the screen moves up.
5. Stop the screen by briefly pressing my. Save the limits by holding my until the motor jogs once.
6. Save the remote by briefly pressing the "Program" button on the back of the remote. The screen will jog once.

The screen is now in "run" mode. A momentary press of ▲ or ▼ will move the screen to the upper or lower limit respectively. Use my to stop the screen at any time.

Changing Motor Speed

1. Hold ▲ , my , and ▼ until the screen jogs once.
2. The screen will move up and down automatically in 10 second cycles/intervals.
3. While the screen is moving, hold ▲ or ▼ until the screen stops and jogs once. After jogging, the screen will start moving again at the new speed. Use ▲ to increase the speed, and ▼ to decrease the speed.
4. To save the new speed, hold my until the screen jogs once. .

NOTE: While the motor is in "speed changing" mode, the LED on the motor head will flash green and yellow.

Motor Factory Reset, Deactivation, and Reactivation

Erase Motor Memory

1. Hold the Program button on the motor head until the screen jogs three times.

NOTE: This will completely reset the motor including remotes, limits, and speed settings.

Deactivate Motor (Shipping/Storage Mode)

1. Hold the Program button on the back of the remote until the screen jogs once.
2. Hold ▲ , my , and ▼ until the screen jogs once. The motor is now deactivated.

NOTE: The "Program" button on the motor head can be used instead of the "Program" button on the back of the remote, if necessary.

Reactivate Motor

1. Briefly press the Program button on the motor head until the screen jogs once. The motor is now reactivated. This can also be achieved by plugging it into the charger.

Note: The motor can also be reactivated by plugging it into the charger.

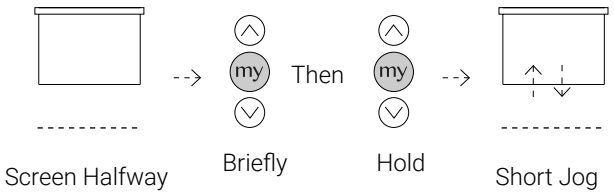
RTS COMMISSIONING

Obstacle Detection for Zen Shades Only – Change the Level of Detection or Deactivate

NOTE: When Programming, all button presses must be completed within 2 seconds of the previous press.

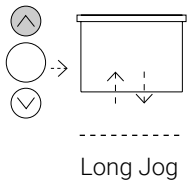
This function gives the possibility to deactivate the obstacle detection or increase the sensitivity up from the default level during the downward movement.

1. Enter the Obstacle Setting Mode
   Move the screen to half-way position, press MY and UP briefly and again MY and UP until the screen jogs.

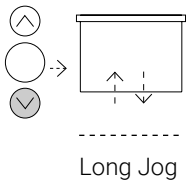


2. Change the Obstacle Detection Level
   If the actuator goes back to USER MODE (short jog) repeat Step 1.

To De-activate:
Press UP briefly within 2 seconds and then press UP briefly again. The sceen will jog slowly and is now deactivated.
If the jog is short you've reached the default setting. To deactivate press up again.



To Increase Sensitivity:
Press DOWN briefly within 2 seconds and then press DOWN briefly again. The sceen will jog slowly and is now more sensitive.
If the jog is short you've reached the default setting. To increase sensitivity press down again



3. Confirm the New Setting and Exit the "Setting" mode.

   Press MY/STOP until the screen jogs to confirm the new setting.
   The registered level of Obstacle Detection will be reached when entering Step 1 again.

RTS COMMISSIONING – ZEN MOTOR RESET

Zen Reset Instructions

WARNING: Somfy RTS motors use the same procedure to Pair and Unpair an RTS transmitter. You MUST power only one motor at a time when configuring Somfy channels.

Motor Reset and Pairing with Remote

1. Start with having power applied to the motor.
2. Remove the power for 2 seconds
3. Re-apply power for 10 seconds.
4. Remove the power for 2 seconds.
5. Re-apply power. The shade will begin to move.
6. When it stops moving, press and hold the programming button on the back of the remote until the shade jogs twice (a single Jog is one (1) Up and one (1) Down movement). Do not release the button until the shade jogs twice or you will have to restart the power-cut process.
7. To Pair the RTS remote to the Shade (if using a multi-channel remote, select the needed channel on the remote before programming), Press and hold the UP and DOWN buttons simultaneously until the shade jogs once.

Setting the Limits and Placing into User Mode

1. If the remote is already paired to the motor, continue to Step. 2. Otherwise, press and hold the UP and DOWN buttons simultaneously on the remote until the shade jogs once.
2. Check that the motor direction is correct (UP moves the shade up and DOWN moves it down). If incorrect, reverse the motor direction by pressing and holding MY/STOP until the shade jogs once.
3. Move the shade to the desired upper limit. Press and release the MY/STOP and DOWN buttons until the shade starts to move down. If it does not start moving on button release, repeat this step.
4. Once the shade starts to travel down by itself, press MY/STOP when it gets close to the desired lower limit.
5. Move the shade to the desired lower limit and then press and release the MY/STOP and UP buttons until the shade starts to move up. If it does not start moving on button release, repeat this step.
6. While the shade is travelling up, press the MY/STOP button to stop the shade anywhere between the newly created limits.
7. Press and hold the MY/STOP button until the shade jogs once to complete and exit the Motor Programming.
8. Press and release (do not hold) the Programming Button on the back of the remote. The shade will jog one time, confirming the Programming completion, finalizing the programming and commiting the Programming to memory and puts the shade into User mode.

ZIGBEE/RTS COMMISSIONING

- TaHoma App

ZIGBEE/RTS COMMISSIONING
using TaHoma App

Sections:

Initial Considerations

Thank you for your purchase of your Screen Innovations shading products.

This Quick Start Guide is designed to help you with your deployment. All Screen Innovations projects are designed using our patent pending Flow design tool. In this tool amongst many other things, shade project designers will have the ability to name all the shades.

Once your shades have been built as per your order, our production will label each shade and apply a QR code. SI's production does all the heavy lifting for you, such as setting all the limits and the motor Rotation. After the quality control of the shade is complete, the shades are placed into a sleep mode and carefully packaged and shipped.

SECTION 1. TaHoma/Link Pro Z DEPLOYMENT STEPS

Note: SI only supports the Somfy app called "TaHoma North America" for Zigbee/RTS shade systems.

1. Locate the end-user's control device that the Application will be installed.

2. Find and install the TaHoma/Link Pro Z in a central location for the Zigbee Devices. You will need 110v Power for the PoE adapter and a Live Ethernet connection for the TaHoma/Link Pro Z to contact the TaHoma Zigbee Servers for Account Creation, Device Add and Configuration.

3. Download, install and open the TaHoma North America application. Select the "Create an Account" to continue.

ZIGBEE/RTS COMMISSIONING
using TaHoma App - contd

4. Here you will need to follow information for proper Account Creation.

   a. The 12-Digit TaHoma/Link Pro Z PIN Number (located on the Box and on the side of the unit)
   b. End-users Email Address (access to the email is required to complete the Email Activation)
   c. Location Address

Note: Please ensure to enter the correct end-user email address. Currently you will not be able to change or correct any wrongly entered email address and will have to contact SI customer support to fix.

5. After completing the Account Creation and Email Activation of the TaHoma/Link Pro Z you can now begin the Pairing process for the Zigbee and RTS Devices. Best practice, steps for adding Zigbee devices to the TaHoma/Link Pro Z.

Section 2. Adding Zigbee Mesh Routers and Remote Controls

1. Install ALL Zigbee Mesh Routers in the required locations before pairing to the TaHoma/Link Pro Z (this includes Smart Plugs, Switches and Outdoor Plugs)

2. Begin Pairing the Zigbee Mesh Routers and Remote Controls prior to the Zigbee Motors (This builds the required Zigbee Mesh network for adding the Zigbee end-point Motors)

Note: Some Zigbee Mesh Routers such as the Smart Switch, Smart Outdoor Plug and the Smart Outlet will show up in the TaHoma app with a light bulb icon. This is normal as many users connect lamps to these devices. DO NOT DELETE.

3. Pairing the Zigbee Mesh Routers and Accessories. Open the TaHoma application and Login, Select the Three (3) Dots "..." at the bottom right-hand corner of the application, this will take you to the main menu.

4. Select the "My Products" section to enter the "CONFIGURATION" page. Here, select the Add function (+) in the top right-hand corner of the application to add your Zigbee Device to the Project.

5. In the "Add Product" screen select the "Zigbee" option, next in the "Add Device" screen select the "Add Zigbee Product" option.

6. Scan the QR code on the new Mesh Router or Remote to be added to the Zigbee Network. Follow the Add Device instructions in the application.

7. Upon Discovery of the Device, add a Device Name to easily identify the device in the project.

Repeat steps 3-7 as needed to add all Zigbee Accessory devices.

IMPORTANT NOTE: If QR Codes are not available, see alternative commisioning method / Troubleshooting section below!

ZIGBEE/RTS COMMISSIONING
using TaHoma App - contd

Section 3. Adding New Zigbee Nano Shade/Screen Motors

1. Now, install ALL Zigbee Shade/Screen products into their final end location.

2. Your Zigbee shades have been paired to TaHoma/ LinkProZ and they should already be listed in the TaHoMA app, if any are not listed then follow the steps below.

Now, begin Pairing the Zigbee end-point Motors (this includes all Shade/Screen products)

3. Pairing the Zigbee Shade/Screen devices. Select the Three (3) Dots "..." at the bottom right-hand corner of the application, this will take you to the main menu.

4. Select the "My Products" section to enter the "CONFIGURATION" page. Here, select the Add function (+) in the top right-hand corner of the application to add your Zigbee Device to the Project.

5. In the "Add Product" screen select the "Zigbee" option, next in the "Add Device" screen select the "Add Zigbee Product" option.

6. Scan the QR code of the Shade/Screen product to be added to the Zigbee Network. Follow the Add Device instructions in the application.

7. Upon Discovery of the Device, add a Device Name to easily identify the device in the project. For reference, Labels are supplied on the Front side of the Shade containing the Shade Name per the original order.

Repeat steps 3-6 as needed to add all Zigbee Shade/Screen Motors.

Adding a Zigbee Drapery Track Motor

1. Unpack the new/replacement drapery track and motor

2. Install the drapery track in its final location, connect the motor to power

3. Select the Three (3) Dots "..." at the bottom right-hand corner of the application, this will take you to the main menu."

4. Select the "My Products" section to enter the "CONFIGURATION" page. Here, select the Add function (+) in the top right-hand corner of the application to add your Zigbee Device to the Project.

5. In the "Add Product" screen select the "Zigbee" option, next in the "Add Device" screen select the "Add Zigbee Product" option

6. Gently pry off the plastic cover on the bottom side of the Veil motor, then scan the QR code

ZIGBEE/RTS COMMISSIONING
using TaHoma App - contd

7. Using a paperclip or other thin rigid tool, hold the “S” button until the motor jogs twice a. A “jog” is a quick back and forth motion

8. Press “Next” in the TaHoma application

9. Once the drapery is identified by the TaHoma, the motor will jog

10. Press “test” to verify the connection – the motor will jog

11. Name the drapery the same way as it was ordered, then press “Next”

12. Add the drapery to groups or scenes as necessary

Section 4. Adding New RTS Shade/Screen Motors

1. Pairing the RTS Shade/Screen devices. Select the Three (3) Dots “...” at the bottom right-hand corner of the application, this will take you to the main menu.

2. Select the “My Products” section to enter the “CONFIGURATION” page. Here, select the Add function (+) in the top right-hand corner of the application to add your RTS Device to the Project.

3. In the “Add Product” screen select the “RTS” option, next in the “Add Device” screen select the option for the corresponding device type for the product you would like to add

4. Name the Device and then select “Next” to continue. Follow the Add Device instructions in the application. For reference, Labels are supplied on the Front side of the Shade containing the Shade Name per the original order.

NOTE: If you have more RTS Shades to add to the project click Yes and click “Add more devices” and again follow the Add Device Instructions in the application.

CREATING GROUPS

1. Select the Three (3) Dots “...” at the bottom right-hand corner of the application, this will take you to the main menu.

2. Select the “My Products” section to enter the “CONFIGURATION” page. Here, select the Add function (+) in the top right-hand corner of the application to create your Zigbee Group.

3. In the “Add Product” screen select the “Zigbee” option, next in the “Add Device” screen select the “Create Zigbee Group” option.

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4. Name your group and then select the “Next” button to continue.

5. Select all the devices from the list presented in the app to add to your new Group and then select the “Create Group” button.

Repeat this sequence, for any additional groups needed.

ADDING 3RD PARTY INTEGRATION

1. Select the Three (3) Dots “...” at the bottom right-hand corner of the application, this will take you to the main menu.

2. Select the “Third Party Integration” section to enter the “THIRD-PARTY INTEGRATION” page. Here, select the Control System being used to continue. Select “Continue” on the warning pop-up message.

3. Here you will find the IP Address of the local Gateway device as well as the Zigbee, RTS and Group device Addresses if needed by the 3rd Party Control system.

4. Scroll to the bottom of the “THIRD-PARTY INTEGRATION” page and select the “Enable/Refresh Integrations” button to allow the security token to be passed to the 3rd Party system.

Note: Optionally for your 3rd party control you may be required to transfer the node IDs which are displayed in Red characters and the IP address and Pin of the paired wireless gateway.

Adding RMA and/or Replacement Zigbee Shade/Screen Motors

This instruction set describes the procedure to add a pre-configured Zigbee 3.0 Nano roller shade or Drapery track back to an existing Screen Innovations Zigbee 3.0 network.

Additional resources including tech notes, design guides, and training videos are available at support@screeninnovations.com. Give us a call at (512) 832 –6939 option 1 for technical support.

If the Shade Name still exists in the TaHoma Configuration

1. Install the RMA/Replacement Shade/Screen device into its final location. Press and Hold the Programming Button on the Motorhead until the Shade/Screen Jogs once (a jog is a single UP and DOWN motion).

2. After the Press-and-Hold function, test the Motor operation by pressing and releasing the Motorhead Program button. The Shade/Screen should move, this press and release is a toggle function for up/stop/down. If the Shade moves then continue to Test the Shade/Screen from the TaHoma interface.

ZIGBEE/RTS COMMISSIONING
using TaHoma App - contd

If the Shade Name does not exist in the TaHoma configuration

1. Install the RMA/Replacement Shade/Screen device into its final location. Then Press-and-Hold the Programming Button on the Motorhead until the Shade/Screen Jogs once (a jog is a single UP and DOWN motion).

2. Follow the "Adding New Zigbee Motors" in Section 4 above to add the Zigbee Shade/Screen Motor.

ALTERNATIVE COMMISSIONING/TROUBLESHOOTING

ALTERNATIVE COMMISIONING / TROUBLESHOOTING
Adding New Zigbee Nano Shade/Screen Motors

NOTE: This method is used when having difficulty discovering the motor.

Step 1. Ensure the motor is out of "Delivery Mode;" press and release motorhead button. If the screen/shade does NOT move, it is in Delivery Mode; press and hold motorhead button for one jog. If the screen/shade does move, shade is OUT of Delivery Mode and may proceed to the next step.

Step 2. Prepare the Zigbee Motor to be added to the TaHoma device. Press-and-Hold the Motorhead Programming Button until the Shade jogs twice.

a. If the Motorhead begins to Blink Amber in color roughly once every 2-3 seconds it is in Pairing Mode, continue to Step 2.

b. If the Motorhead does not start flashing Amber, we will need to Perform the 10 Button press function (Tap and release, do not hold) which will put the Motor into Zigbee Communication Mode. The 10 Button Press process should be roughly 0.5 second between button presses (about 5-6 seconds total for all 10 button presses). Upon completion, watch the Motorhead LED Button for roughly 15 seconds to see if the Motorhead LED begins to flash Amber in color (roughly one flash every 2-3 seconds). If the Motorhead LED flashes Amber, continue to Step 2.

Step 3. From the "My Products" page of the TaHoma application select the "+" sign located in the Upper-right corner to ADD a new Device. On the next page, Select the "Zigbee" option and then again on the next page select the "Add Zigbee Product" option. This time we will select the "No QR Code?" option to enter the Zigbee Network page. Here we will select the "Next" option and wait for the Zigbee device to be discovered.

Step 4. Upon Discovery of the Device, add a Device Name to easily identify the device in the project. For reference, Labels are supplied on the Front side of the Shade containing the Shade Name per the original order.

Repeat steps 1–4 as needed to add all Zigbee Shade/Screen Motors.

ALTERNATIVE COMMISSIONING/TROUBLESHOOTING

Alternate Method for Adding/Pairing Zigbee Accessories

NOTE: This method is typically used when Accessory Device QR Codes are not available.

Step 1. From the "My Products" page of the TaHoma application, select the "+" sign located in the Upper-right corner to ADD a new Device. On the next page, select the "Zigbee" option and then again on the next page select the "Add Zigbee Product" option.

Step 2. Scan the QR Code for the Device to be added to the TaHoma Bridge. Here the application will either Error out or will freeze on the Scan QR Code page, wait 5-10 seconds and then Exit/End the TaHoma application.

Step 3. Prepare the Zigbee device to be added to the TaHoma device.

Zigbee Remote Control – Press and Hold the Programming Button on the back of the remote control until the LEDs on the front go Solid Green for 2-3 seconds, release the programming button.

Smart Plug – Press and Hold the Programming Button on the front of the Smart Plug while inserting it into the electrical outlet, continue to hold the Programming Button until the LED on the programming button turns Solid Red, release the programming button.

Zigbee Smart Outlet – Supply Power to the Smart Outlet, Auto-scan mode will begin and will eventually time out if the smart outlet has not joined a Zigbee network. Press the program button on the smart outlet to restart pairing process following timeout. Timeout will only occur twice. If the smart outlet is not paired before the second time out, manual reset will be required before pairing. To Reset the unit, press the button four times, holding the button on the fourth for at least 6 seconds until light flashes blue. This will again put the Smart Outlet into Auto-scan Mode.

Zigbee Smart Switch – Supply Power to the Smart Outlet, Auto-scan mode will begin and will eventually time out if the smart switch has not joined a Zigbee network. To Reset the unit, Press the ON button quickly 10 times. This will again put the Smart Outlet into Auto-scan Mode.

Zigbee Smart Outdoor Plug – Supply Power to the Smart Outdoor Plug, Auto-scan mode will begin and will eventually time out if the smart switch has not joined a Zigbee network. To Reset the unit, Press the ON button quickly 4 times, holding on the 4th. This will again put the Smart Outlet into Auto-scan Mode.

Step 4. Now re-open the TaHoma application and then again from the "My Products" page of the TaHoma application select the "+" sign located in the Upper-right corner to ADD a new Device. On the next page, Select the "Zigbee" option and then again on the next page select the "Add Zigbee Product" option. This time we will select the "No QR Code?" option to enter the Zigbee Network page. Here we will select the "Next" option and wait for the Zigbee device to be discovered.

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Technical Support: 512.832.6939
Hours of Support: 7:30am - 5pm CST

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