

Nano Box

Installation Instructions

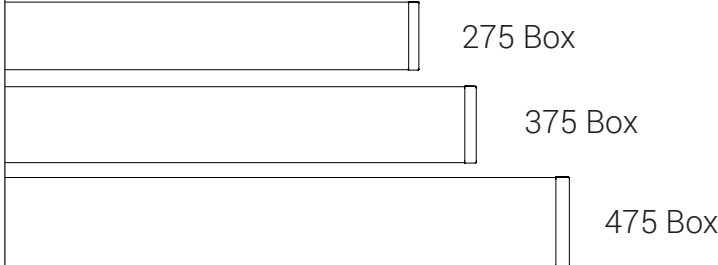

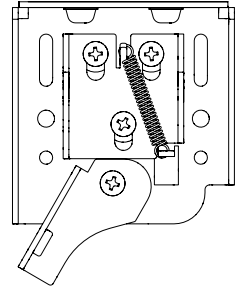

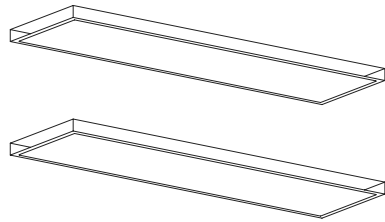
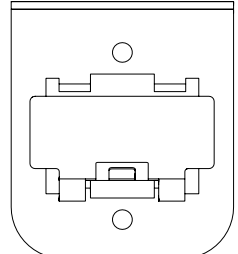
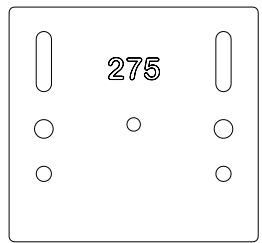
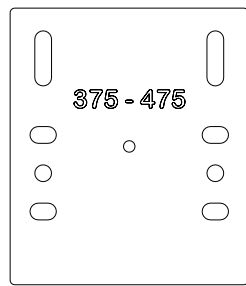
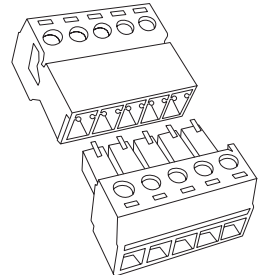
24v DC - Zigbee / RTS



INSTALLERS: Please leave this manual with the owner.

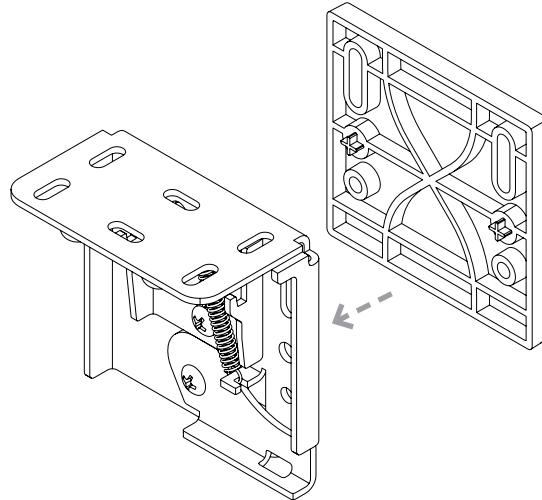


PARTS LIST - NANO BOX - 24v DC - ZIGBEE - RTS

<p style="text-align: center;">Shades</p>  <p style="text-align: center;">275 Box 375 Box 475 Box</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">  <p>Please note all the Serial No.s on your Shade motors. See the last page on these instructions.</p> </div>		<p style="text-align: center;">Wall Brackets</p>  <p style="text-align: center;">Screws Included (3 per Bracket)</p>
<p>Installation Remotes (1 per RTS shade)</p> 	<p style="text-align: center;">Leveling Shims (4 per shade)</p> 	<p style="text-align: center;">Terminal Block Brackets</p> 
<p style="text-align: center;">Spacer Blocks (optional - 4 per shade)</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin: 0 20px; text-align: center;">OR</div>  </div> <p style="text-align: center;">Longer Screws Included</p>		<p style="text-align: center;">Terminal Blocks</p> 

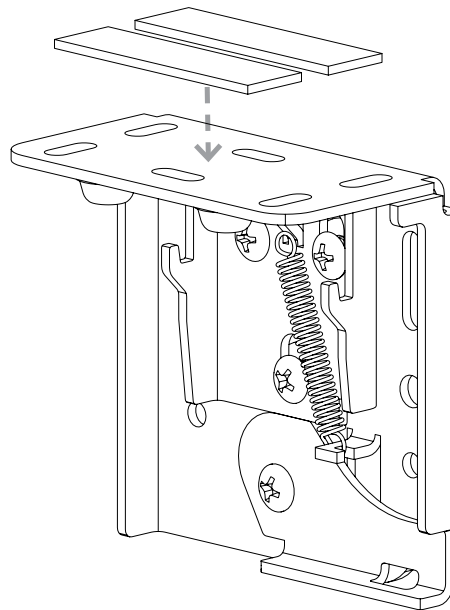
SPACER BLOCKS AND LEVELING SHIMS (OPTIONAL)

Spacer Blocks - used to clear an obstruction in the fabric path.



Connect spacer blocks to shade brackets before installation.
Note: Do not use more than 4 spacer blocks per bracket.

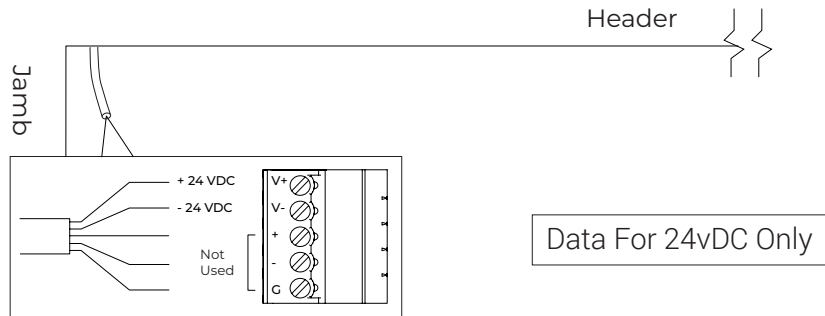
Leveling Shims - used if the window frame is out of level.



Connect to shade brackets before installation
Note: do not use more than 2 leveling shims per bracket.

INSTALLATION - NANO BOX - 24v DC - ZIGBEE - RTS

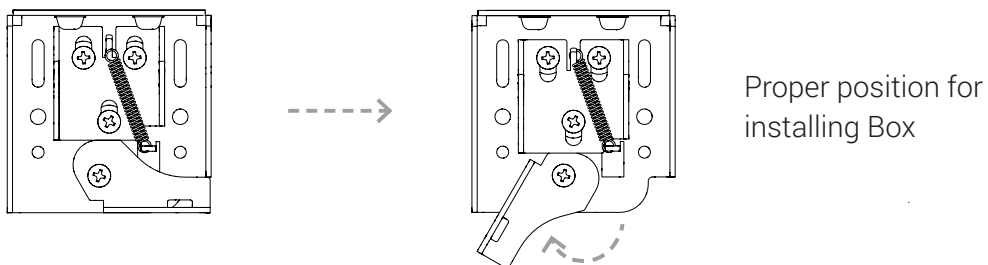
1. Terminate pre-wire with the supplied terminal block.



2. Box bracket position is recommended 2"-4" from end caps.

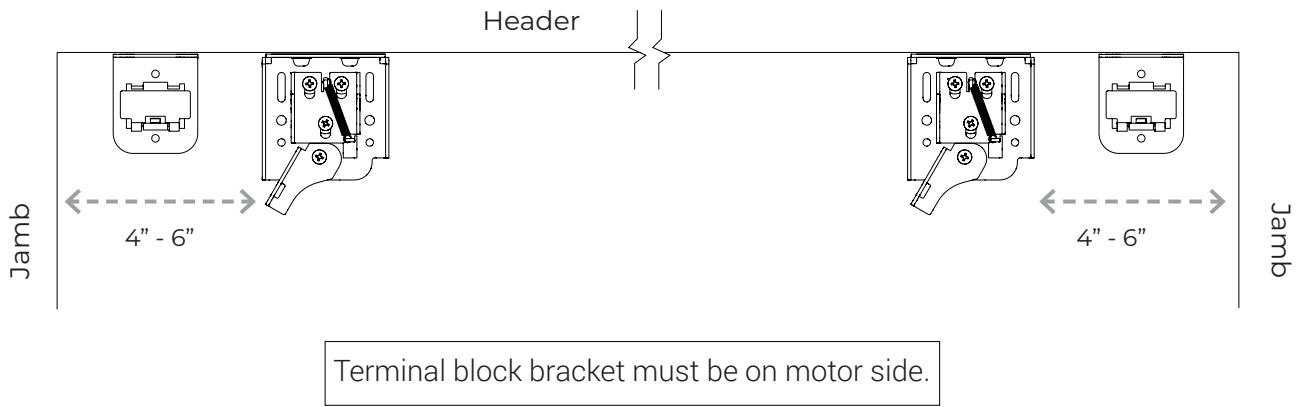


3. Make sure the wall bracket lever is down (may already be down).

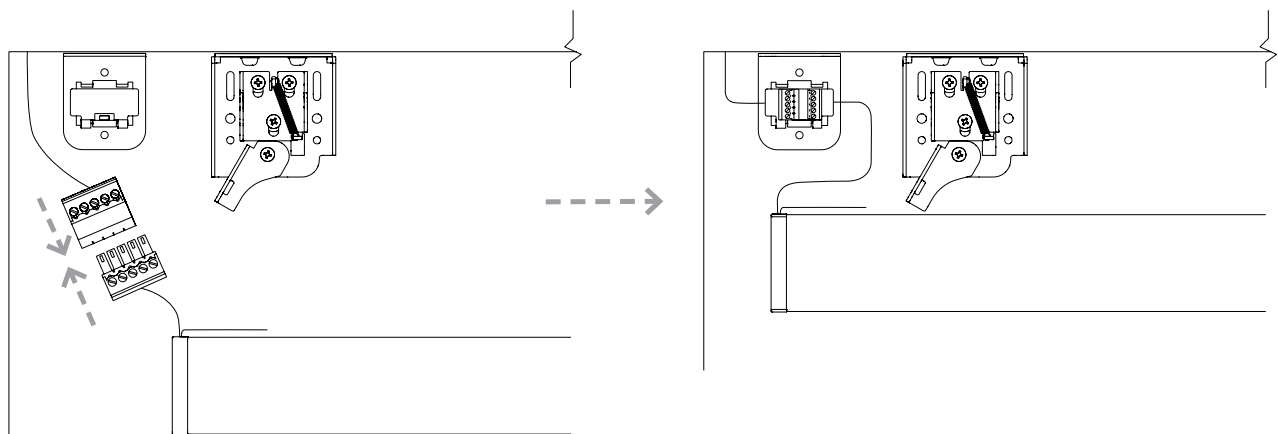


INSTALLATION - NANO BOX - 24v DC - ZIGBEE - RTS

4. Install terminal block bracket between jamb and wall bracket on the motor side using the supplied screws

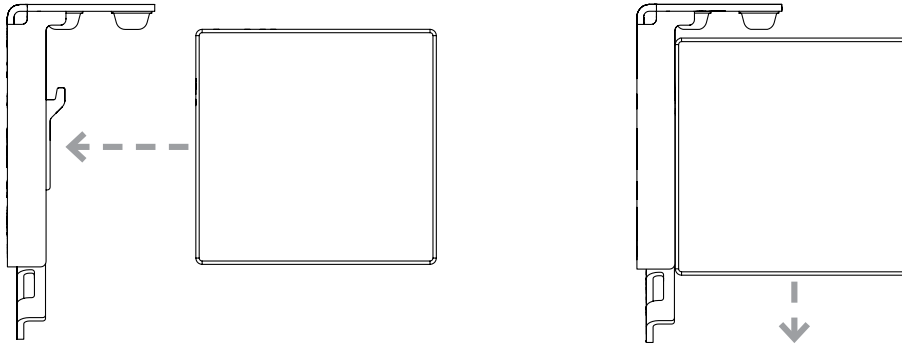


5. Connect the shade and pre-wire connectors, then snap into the terminal block bracket



INSTALLATION - NANO BOX - 24v DC - ZIGBEE - RTS

6. Hang shade onto wall brackets and center in opening

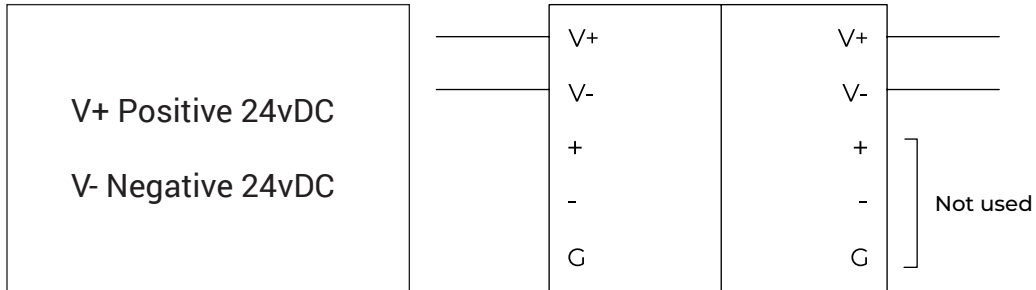


7. Use thumb to lock shade in place



WIRING - NANO BOX - 24v DC - ZIGBEE - RTS

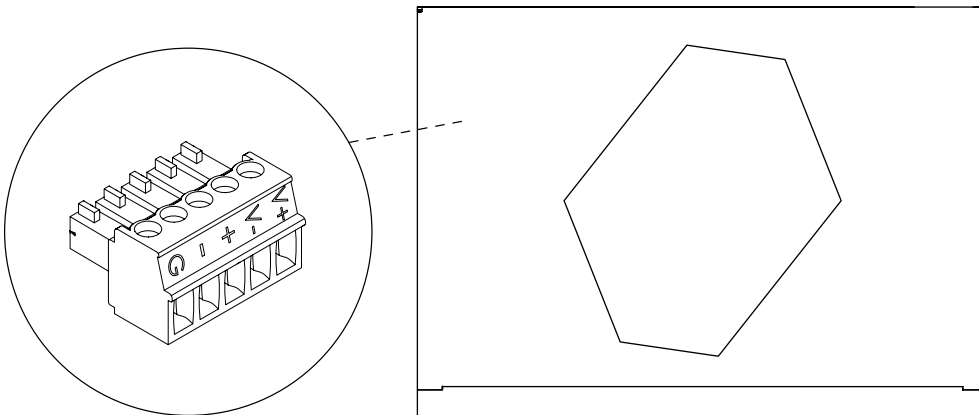
24v DC




For guaranteed motor performance the supplied voltage for 24v motors **must be 24v DC**. See the table below for maximum wire lengths.

Wire Gauge (AWG)	Maximum Supported Wire Length (FT.)
14	250
16	150
18	100

If the motors are powered using a Janus connect the motors to the "+v" and "-v" ports on the terminal blocks. The RS485 ports are unused.



 Only connect to +v and -v

PROGRAMMING - 24V DC - ZIGBEE

PROGRAMMING STEPS

(TaHoma/LinkPro Z must be plugged in and on the network)

Step 1: Fine tune lower limit.

Step 2: Assign shades to groups and remotes.

Step 3: Pair devices and groups with remotes.

The lower limit of every shade is preprogrammed to 1/2" from the bottom of the window. After installing each shade, follow these steps to adjust the lower limit:

STEP 1 - Fine tuning lower limit :

1. Click on the 3 dots in the lower right hand corner of the TaHoma app.
Note: You may see a pop-up warning window which could damage the shade.
2. In settings click on advanced settings.
3. Select the shade you want to set the limits to.
4. You only want to select and adjust the lower limit.
Note: Do not set upper limit or change rotation.
5. Press the down button in the app to move the shade to the Factory set lower limit.
6. Click Next.
7. Now make up or down adjustments to shade using the Up / Down increments. Each (button press) adjustment can take a couple seconds, to execute. Once you are satisfied with the new lower limit, press save Limit.

STEP 2 - Assign shades to groups :

All grouping of devices is completed within the TaHoma application:

1. Open the TaHoma application and navigate to the configuration tab.
2. Press the + symbol in the upper right corner.
3. Choose the Zigbee device type.
4. Select "Add Zigbee Group".
5. Label the group.
6. Select the devices you would like to be included in this group.

STEP 3 - Pair devices or groups with a remote:

All pairing of devices and groups to remotes is completed within the TaHoma application. In order to pair more than one shade to a channel, a group must be created first.

1. Open the TaHoma application and navigate to the configuration tab.
2. Press the chain/link button next to the remote being configured.
3. Select the shade or group to pair from the list and deselect any other devices.
4. Quick press the programming button on the back of the remote and click OK in the application to confirm.

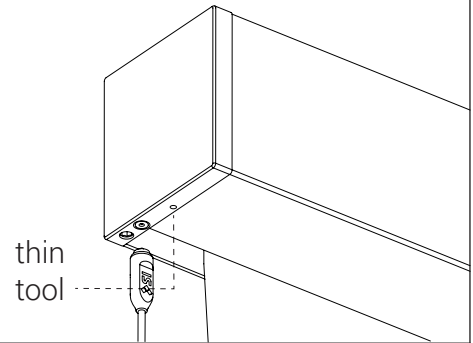
NOTE: Each Zigbee Situo remote channel will be capable of pairing to a group containing up to 20 motors.

Problem	Possible Cause	Action to Take
For Zigbee		
TaHoma LED is Red.	No internet connectivity.	Check network connection to the internet, and ensure the TaHoma is properly connected via ethernet or Wifi.
Shade won't operate.	Low-voltage power supply	Verify wiring, terminations and AC power connections to your power supply.

TROUBLESHOOTING WITH SUPPORT

With our Support team guidance, you may be instructed to press the motor programming button using a thin tool (e.g. a paperclip). If instructed, pressing this button for 2 seconds, can take the motor out of delivery mode and will result in 1 jog.

Note: Under no circumstances, should you hold this programming button for more than 2 jogs.



Please use this QR Code to access the updated installation instructions

Technical Support: 512.832.6939

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

screeninnovations.com

support@screeninnovations.com

PROGRAMMING - 24v DC - RTS

PROGRAMMING STEPS (must follow in order)

Step 1: Fine tune lower limit

Step 2: Assign shades to groups

Step 3: Pair groups to control system (Mylink, LinkPro)

⚠ Warning: Do not attempt to use any installation remote until all the shades are installed.

Each RTS Nano shade includes an installation remote that is used to adjust limits and program group controls. These installation remotes are uniquely numbered to the shade they are paired with. The lower limit of every shade is preprogrammed to ½" from the bottom of the window. After installing each shade, follow these steps to adjust the lower limit:

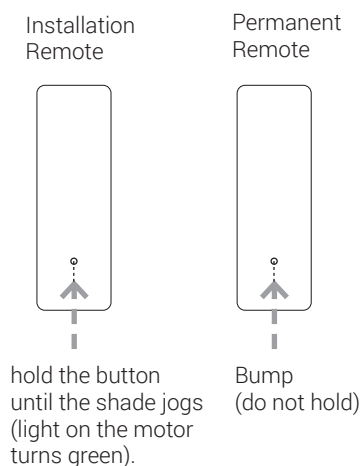
STEP 1 - Fine tuning lower limit :

1. Beginning with the first shade, pull plastic tab from remote and press ▽ allowing shade to run to lower limit set at the factory.
2. When shade has stopped, adjust the lower limit by holding △ and ▽ simultaneously until the shade jogs.
3. Use △ or ▽ to move the shade to the desired lower limit.
4. Hold the "My" button until the shade jogs again.
5. Repeat this procedure at each window until all shades have lower limits set to desired positions.

STEP 2 - Assign shades to groups :

Next, program group controls. To pair with a permanent transmitter such as a multichannel Telis or DecoFlex, follow these steps.

1. Press and hold the program button on the back of the installation remote until the shade jogs.
2. Select the channel where you want to create a group, then bump (do not hold down) the program button on the back of the remote - the shade will jog.
3. Both remotes now control the shade.
4. Continue doing this with each shade until all shades are programmed in the desired groups.




NOTE: Each RTS motor can be paired with 12 unique transmitters.

STEP 3 - Pair Groups to control system (LinkPro, myLink) :

1. Download the myLink app.
2. Pair the grouped shades with LinkPro or MyLink according to the instructions in the myLink app.

TROUBLESHOOTING - RTS

Tech Support: 512.832.6939

Problem	Possible Cause	Action to Take
For RTS		
Shade won't operate.	Motor is not powered.	Ensure that 24Volt motors have 24v DC supply and that the polarity is correct.
	Remote button presses are too short.	When operating an RTS remote hold the buttons down for at least 2 seconds.
	The remote is being used out of range.	Move within 30ft. of the shade. If the issue persists, adjust the antenna to a new position, and make sure the antenna does not touch metal.
	The remote battery is out of place or drained.	Check that the red LED on the remote flashes when buttons are pressed. On the installation remote, pry off the back by hand and ensure the battery is fully seated in the battery tray. If the remote remains unresponsive, replace the battery with a CR2430 3V lithium cell.
 <p>Please use this QR Code to access the updated installation instructions and related documents.</p>		<p>Technical Support: 512.832.6939 screeninnovations.com</p> <p>Hours of Support: 7:30am - 5pm CST support@screeninnovations.com</p>

MOTOR SERIAL NO.S

Please keep a note of all the Serial No.s on your shade motors. OR for larger shade orders, refer to your Sales Order document for the list.

Room

Shade 1

Shade 2

Shade 3

Shade 4

Shade 5

Shade 6

Room

Shade 1

Shade 2

Shade 3

Shade 4

NOTES

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