Step 4. Slide Motor into tube.

Insert by aligning keyway in crown and drive wheel to the tube.

Step 5. Mount motorized tube onto brackets.

Refer to Rollease Acmeda System Assembly Manual for recommended crown, drive, and bracket adapter kits.
2 WIRING

2.1 Power options

Automate DC motors are powered from a 12V DC power source. AA Battery wands, re-chargeable battery packs and A/C power supplies are available, with a variety of quick connect extension cords. For centralized installations, power supply range can be extended with 18/2 wire (not available through Acmea Rollease).

- During operation, if voltage drops to less than 10V, the motor will beep 10 times to indicate a power supply issue.
- Motor will stop running when the voltage is lower than 7V and it will resume again when the voltage is greater than 7.5V.

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTBWAND18-25 Battery Tube for 18/25mm DCRF (no Battery) Mtrs (inc Mt clips)</td>
<td>MTDCRF18-0.2 - 18mm DCRF Motor, 2N/80</td>
</tr>
<tr>
<td></td>
<td>MTDCRF25-1.1 25mm DCRF Motor, 1.1N/40r</td>
</tr>
<tr>
<td>MTDCPS-18-25 Power Supply for 18/25-CL/Tilt DCRF (no Battery) Mtr</td>
<td>MTDCRF18-0.2 - 18mm DCRF Motor, 2N/80</td>
</tr>
<tr>
<td></td>
<td>MTDCRF25-1.1 25mm DCRF Motor, 1.1N/40r</td>
</tr>
<tr>
<td>MTDCPS-28-35-45 Power Supply for 28/35/45mm DCRF (no Battery) Mtr 28mm DC ARC</td>
<td>MTDCRF28-2 28mm DCRF Quiet Motor, 2N/28r</td>
</tr>
<tr>
<td></td>
<td>MTDCRF35-3 35mm DCRF Motor, 3N/28r</td>
</tr>
<tr>
<td></td>
<td>MTDCRF45-3 45mm DCRF Quiet Motor, 3N/28r</td>
</tr>
<tr>
<td></td>
<td>MTDCRF45-10 45mm DCRF Motor, 10N/9r</td>
</tr>
<tr>
<td>MTDCKR-28 Rechargeable Wand</td>
<td>MTDCRF18-0.2</td>
</tr>
<tr>
<td></td>
<td>MTDCRF25-1.1</td>
</tr>
<tr>
<td></td>
<td>MTDCRF01-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Extension Cables</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTDC-CBLXT4 DC Battery Motor Cable extender 6&quot; / 155mm</td>
<td>6 inch</td>
</tr>
<tr>
<td>MTDC-CBLXT48 DC Battery Motor Cable extender 48&quot; / 1220mm</td>
<td>48 inches</td>
</tr>
<tr>
<td>MTDC-CBLXT96 DC Battery Motor Cable extender 96&quot; / 2440mm</td>
<td>96 inches</td>
</tr>
</tbody>
</table>

Ensure cable is kept clear of fabric.
Ensure antenna is kept straight and away from metal objects.
3 P1 BUTTON FUNCTIONS

3.1 Motor state test
This table describes the function of a short P1 button press/release (<2 seconds) depending on current motor configuration.

<table>
<thead>
<tr>
<th>P1 Press</th>
<th>Condition</th>
<th>Function Achieved</th>
<th>Visual Feedback</th>
<th>Audible Feedback</th>
<th>Function Described</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Press</td>
<td>If limit is NOT set</td>
<td>None</td>
<td>No Action</td>
<td>None</td>
<td>No Action</td>
</tr>
<tr>
<td></td>
<td>If limits are set</td>
<td>Operational control of motor, run to limit. Stop if running</td>
<td>Motor runs</td>
<td>None</td>
<td>Operational control of motor after pairing and limit setting is completed first time</td>
</tr>
<tr>
<td></td>
<td>If motor is in &quot;Sleep Mode&quot; &amp; limits are set</td>
<td>Wake and control</td>
<td>Motor wakes and runs in a direction</td>
<td>None</td>
<td>Motor is restored from Sleep Mode and RF control is active</td>
</tr>
</tbody>
</table>

3.2 Motor configuration options
The P1 Button is utilized to administer motor configuration as described below and beginning in Section

Activate Pairing Mode

REPLACE P1

Sleep Mode

REPLACE P1

Reverse Direction

RELEASE P1

Reset To Factory Settings

RELEASE P1

NOTE
Reverse motor direction from P1 button only when motor does not have any limits.

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4 INITIAL SET-UP

4.1 Pair motor with controller

Select channel on controller.  Hold P1 button on motor head.  Hold STOP on controller.

⚠️ IMPORTANT
Consult user manual for your controller for information on selecting channel.

Motor Response
- RELEASE P1
- EXT. BEEP
- JOG

⚠️ Motor is now in step mode and ready for setting limits

4.2 Check motor direction

To check travel direction of shade, press UP or DOWN on controller.

Quick Press = Step
Long Press = Continuous Travel

To reverse shade direction, hold both UP and DOWN.

Until the motor responds.

⚠️ IMPORTANT
Damage to shade may occur when operating motor prior to setting limits. Attention should be given.

⚠️ IMPORTANT
Reversing motor direction using this method is only possible during initial set-up.
5 ADJUSTING LIMITS

5.1 Adjust upper limit

Hold **UP** and **STOP** on controller. Move shade to the desired highest position by pressing the **UP** button. To save upper limit, hold **UP** and **STOP**.

Motor Response

5.2 Adjust lower limit

Hold **DOWN** and **STOP** on controller. Move shade to the desired lowest position by pressing the **DOWN** button. To save lower limit, hold **DOWN** and **STOP**.

Motor Response
4.3 Set limits

To save upper limit, hold UP and STOP.

To save lower limit, hold DOWN and STOP.

⚠️ IMPORTANT
Cycle shade up and down prior to setting limits to settle fabric.

Motor Response

⚠️ IMPORTANT
After setting limits, motor will automatically exit from initial set-up mode.

⚠️ Initial set-up is now complete
5.2 Hide unused channels

Your multi channel remote can be configured to have anywhere between 1 or 15 visible channels. Inactive channels will not be visible when scrolling through the CH selection.

Hold STOP and CH
Continue holding CH and select required channel qty by pressing UP or DOWN
Press STOP to confirm

CH
Continue holding CH

Response
Channel 15 flashes

Response
Flashing stops

5.3 Disable limit setting function of remote

⚠️ IMPORTANT

This mode is intended to be used after all shade programming is completed. User Mode will prevent accidental or unintended changing of limits.

To switch modes hold right button for 5 Seconds

Pressing the right button for 1 second or less will display the current mode

15 CH

1 CH

Response
LCD displays "L" when locked

LED solid on when locked

Response
LCD displays "U" when unlocked

LED blinking when unlocked

⚠️ It is still possible to add or delete channels and perform P2 functions, while the lock function is enabled.
6 ADDING OR REMOVING CONTROLLERS AND CHANNELS

6.1 Using motor P1 button

Hold P1 button on motor head.

Hold STOP on controller to add or remove.

Motor Response

6.2 Using a pre-existing controller

A = Existing controller or channel (to keep)
B = Controller or channel to add or remove

Press P2 on existing controller.

Press P2 on existing controller.

Press P2 on new controller.

Motor Response

Motor Response

Motor Response

⚠️ IMPORTANT

Consult user manual for your controller or sensor.
7 FAVORITE POSITIONING

7.1 Set a favorite position

Move shade to the desired position by pressing the UP or DOWN button on the controller:

Press P2 on controller.  Press STOP on controller.  Press STOP on controller.

7.2 Send shade to favorite position

Hold STOP on controller.

7.3 Delete favorite position

Press P2 on controller.  Press STOP on controller.  Press STOP on controller.

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8 ADJUSTING MOTOR SPEED

8.1 Increase or decrease motor speed

To adjust motor speed, follow these three steps for each level of speed adjustment.

There are three speeds available:

- Press UP.
- Press DOWN.

Press P2 on controller.

Motor Response

- Jog x1
- Beep x1

- Jog x1
- Beep x1

- Jog x2
- Beep x1

⚠️ IMPORTANT

If motor does not react to speed adjustment, the maximum or minimum speed has already been reached.
9 TILT & ROLLER MODE

9.1 Enter tilt mode

For slat adjustment on venetians.

Hold UP and DOWN on controller. Press STOP.

Motor Response

9.2 Enter roller mode (Default)

Hold UP and DOWN on controller. Press STOP.

Motor Response

10 SLEEP MODE

Enter Sleep Mode

Sleep mode is utilized to prevent a motor from moving during shipping of a fabricated shade

Hold P1 button on the motor head

Motor Response

Release P1

Exit Sleep Mode

Exit sleep mode once the shade is installed

Hold P1 button on the motor head

Motor Response

RELEASE P1
## 11 TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor is not responding</td>
<td>Batteries in wand are depleted</td>
<td>Replace 8 x AA alkaline batteries.</td>
</tr>
<tr>
<td></td>
<td>A/C power supply not plugged in.</td>
<td>Check motor to power cable connection and AC plug.</td>
</tr>
<tr>
<td></td>
<td>Transmitter battery is discharged</td>
<td>Replace battery</td>
</tr>
<tr>
<td></td>
<td>Battery is inserted incorrectly into transmitter</td>
<td>Check battery polarity</td>
</tr>
<tr>
<td></td>
<td>Radio interference/shielding</td>
<td>Ensure transmitter is positioned away from metal objects and the aerial on motor or receiver is kept straight and away from metal</td>
</tr>
<tr>
<td></td>
<td>Receiver distance is too far from transmitter</td>
<td>Move transmitter to a closer position</td>
</tr>
<tr>
<td></td>
<td>Power failure</td>
<td>Check power supply to motor is connected and active</td>
</tr>
<tr>
<td></td>
<td>Incorrect wiring</td>
<td>Check that wiring is connected correctly (refer to motor installation instructions)</td>
</tr>
<tr>
<td>Motor beeps 10 times when in use</td>
<td>Battery voltage is low.</td>
<td>Replace batteries in battery wand. &lt;br&gt;<strong>OR</strong>&lt;br&gt; Recharge rechargable battery pack.</td>
</tr>
<tr>
<td>Cannot program a single Motor (multiple motors respond)</td>
<td>Multiple motors are paired to the same channel.</td>
<td>Always reserve an individual channel for programming functions. &lt;br&gt;<strong>SYSTEM BEST PRACTICE</strong> - Provide an extra 15 channel controller in your multi motor projects, that provides individual control for each motor for programming purposes. &lt;br&gt;Place all other motors into sleep mode (ref to P1 button function overview - Section 3)</td>
</tr>
</tbody>
</table>