AUTOMATE®

Li-ion FT Motor

433 MHz Bi-Directional

Electronic Limit

Favorite Position

Impact Detection

Fabric Tension

Works with Ultra Lock

Battery Check

Automate Radio Communication

Soft Stop

The AUTOMATE® | Li-ion FT tubular motor combines simple, intuitive features of Automate Radio Communication (ARC) , Fabric Tension capability, and the convenience of a rechargeable, internal lithium-ion battery.

Operating Modes:

- **Default Mode** – For Normal operation
- **Manual FT Mode** – For use with conventional locking devices and fabric tensioning
- **Auto FT Mode** – For use with Rollease Acmeda's proprietary Ultra Lock system, providing automatic fabric tensioning

Key Features

- **Favorite Position** – Allows an intermediate setting to be preset for user convenience
- **Battery Check** – Automatically lowers the shade to reflect the battery's remaining charge
- **Impact Detection (Zipscreen Only)** – Detects obstacles and redirects the shade to protect the motor, fabric, and hardware, ensuring product longevity

MT01-1345-069005_ProgrammingManual_GL_v1.2_2025-09-24

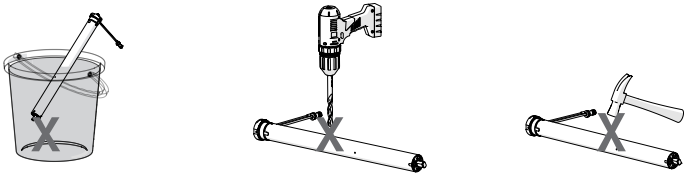
Contents

1. Safety Instructions

WARNING: Important safety instructions to be read before installation.

Incorrect installation can lead to serious injury and will void manufacturer's liability and warranty.

It is important for the safety of people to follow the enclosed instructions. Save these instructions for future reference.



- Read and follow all installation and safety instructions.
- This manual is also available on the website.
- Do not expose to water, moisture, humid and damp environments or extreme temperatures.
- Use or modification outside the scope of this instruction manual will void warranty.
- This motor can be used by children aged 8 years and above, and by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, if they have been given supervision or instruction on the safe use of the motor and understand the hazards involved.
- Children should not play with the motor or remote control.
- Cleaning and user maintenance must not be performed by children without supervision.
- Assembly, installation and programming must be performed by a suitably qualified installer.
- For use with motorized shading devices.
- Frequently inspect the installation for improper operation, signs of wear, imbalance or damage to cables. Do not use if repair or adjustment is necessary.
- Before cleaning or performing any maintenance, ensure the charging cable is disconnected (if connected).
- The motor contains a non-user-serviceable lithium-ion battery. Do not attempt to open or dismantle the product.
- Maintenance or repair must only be carried out by a suitably qualified installer or technician.
- No parts inside the motor are intended to be replaced by the user.
- The A-weighted emission sound pressure level of the appliance is less than or equal to 70dB(A).
- For charging use only protection class II power supply approved for use with household products and SELV output 5V, max. 2A.
- When maintenance or other activities (such as window cleaning) are being carried out in the vicinity of the blinds, ensure any charging cables are disconnected and automatic controls are switched off or disabled to prevent unintentional operation.
- Charging is supported only via the USB Type-C port using a compliant SELV power supply as specified on the marking label.
- Do not use non-compliant chargers or attempt to connect the motor to any other power source.
- Keep clear of the motor when in operation.
- The driven part must be compatible with rated torque, minimum tube diameter and maximum operating time of the motor as outlined below:
  For MT01-1345-069005: rated torque of 15 Nm, maximum operating time of 12 minutes, and minimum tube diameter of ø45 mm.
- Fixed controls have to be clearly visible after installation.
- When the motor is installed at a height of 2.5 meters or more above the floor or accessible level, the moving parts are considered out of reach. If the motor is installed at a height below 2.5 meters, additional precautions must be taken, as per the assembly and installation steps in this manual, to ensure safe access after installation and to ensure motor drives and attachments are inaccessible and pose no risk.
- Before installing the motor, remove any unnecessary cables or components and disable any equipment not needed for powered operation.
- This motor contains a sealed lithium-ion battery that cannot be removed by the user.

1. Safety Instructions (Continued)

- At the end of its life, dispose of the product in accordance with local regulations for electronic waste.
- The battery will be removed and recycled by an authorized service centre or recycling facility.
- Do not attempt to remove the battery yourself.
- This motor is designed for outdoor use.
- The motor is supplied with a dedicated charging adapter. Only use the supplied adapter or approved Automate extension cable to connect to a USB Type-C charger.
- Do not attempt to modify the charging cable or use non-approved adapters or extensions.
- Charging cables are not intended to be permanently exposed to outdoor conditions (sunlight, rain, moisture).
- If any cables are exposed to direct sunlight, they must comply with requirements of IEC 60245-57.
- Disconnect and store the charger indoors after charging.

2. Compliance Statement

This device complies with Part 15 of the FCC Rules / Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To satisfy FCC / IC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.

To ensure compliance, operations closer than this distance are not recommended.

Les antennes installées doivent être situées de facon à ce que la population ne puisse y être exposée à une distance de moin de 20 cm. Installer les antennes de facon à ce que le personnel ne puisse approcher à 20 cm ou moins de la position centrale de l' antenne.

La FCC des éltats-unis stipule que cet appareil doit être en tout temps éloigné d'au moins 20 cm des personnes pendant son functionnement.

Do not dispose of in general waste.
Please recycle batteries and damaged electrical products appropriately.

CAN ICES-3(B)/NMB-3(B)

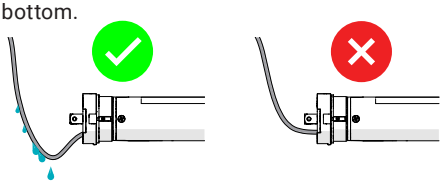
RECOGNIZED COMPONENT
C ETL LISTED US
Intertek
5005833

3. Assembly

Please refer to Rollease Acmeda System Assembly Manual for full assembly instructions relevant to the hardware system being used.

IMPORTANT

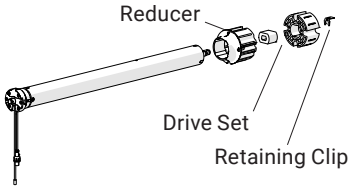
Ensure Motor is rotated so that the cable has a drip loop and enters the motor from the bottom.



1. Fit required crown/reducer, drive and bracket adapters.

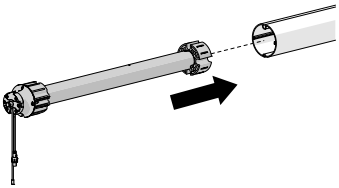
IMPORTANT (ZIPSCREEN ONLY)

For impact detection to function correctly, a two-piece drive set must be used. Using a standard one-piece drive is incompatible with the impact detection feature even if the feature is turned on.



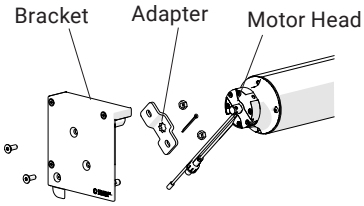
2. Slide Motor into tube.

Insert by aligning key-way in crown/ reducer and drive wheel into the tube.



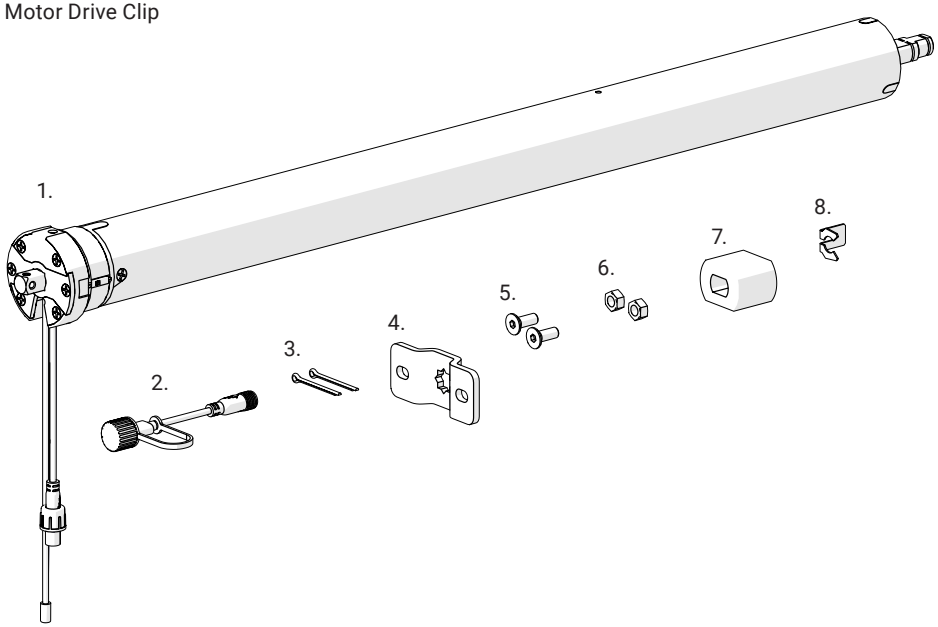
3. Mount motorized tube onto brackets.

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



4. What's in the Box

1. Li-ion FT 15 Nm Motor
2. USB-C Charge Adapter
3. Motor Retaining Clips
4. Bracket Adapter
5. Screws
6. Hex Nuts
7. Drive Wheel Metal Insert
8. Motor Drive Clip

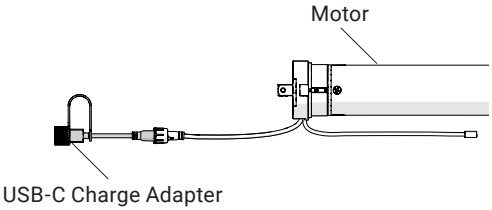


5. System Configuration Options

5.1 AU Region

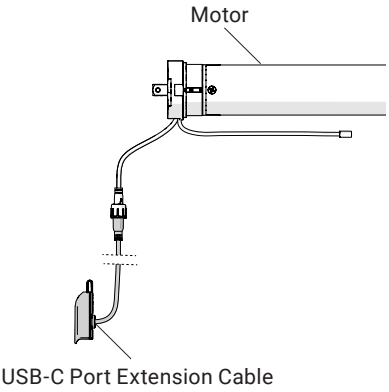
Option 1:

Motor with USB-C Charge Adapter



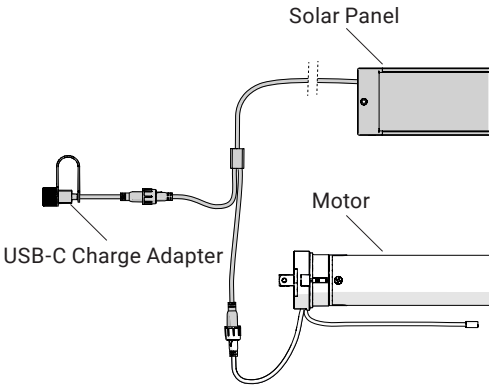
Option 2:

Motor with USB-C Port Extension Cable



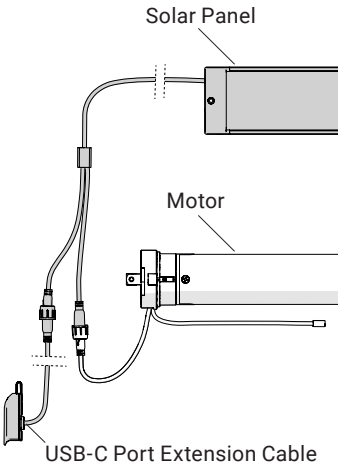
Option 3:

Motor and Solar Panel with
USB-C Charge Adapter



Option 4:

Motor and Solar Panel with
USB-C Port Extension Cable

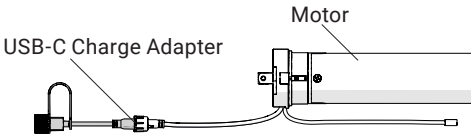


5. System Configuration Options (Continued)

5.2 US Region

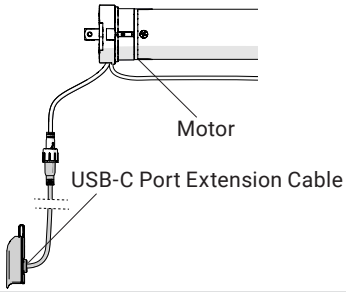
Option 1:

Motor with USB-C Charge Adapter



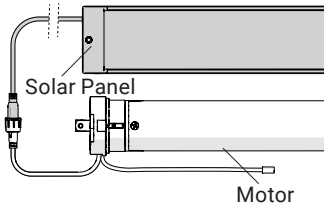
Option 2:

Motor with USB-C Port Extension Cable



Option 3:

Motor and Solar Panel

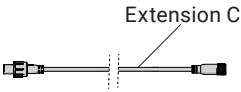


Extension Cable (Optional):

Use extension cables to reposition the solar panel for better sunlight exposure.

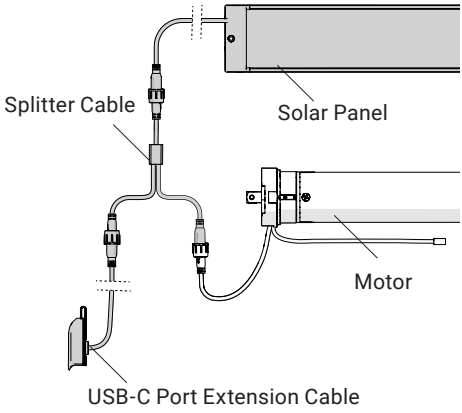
Available lengths:

1. 3 m [10 ft]
2. 0.9 m [3 ft]



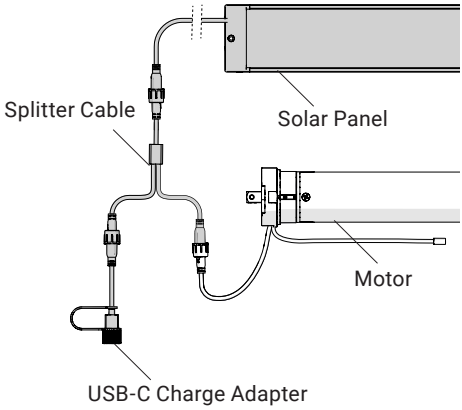
Option 4:

Motor, Solar Panel, Splitter Cable and USB-C Extension Cable



Option 5:

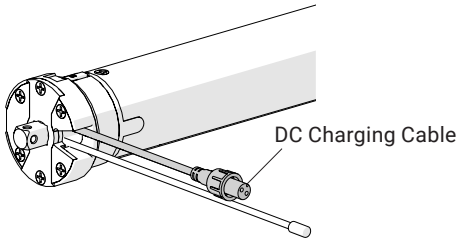
Motor, Solar Panel, Splitter Cable and USB-C Charge Adapter

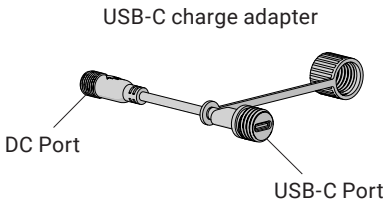


6. Charging the Li-ion FT Motor

The Li-ion FT Motor includes a built-in DC charging cable located at the motor head.

To enable charging using a standard USB-C cable, a USB-C charge adapter (DC to USB-C female) is supplied. This adapter converts the motor's DC port into a USB-C charging interface.





IMPORTANT

Fully charge the motor before first use.

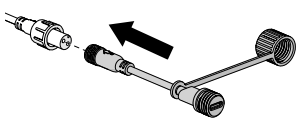
For best performance, allow the motor to charge continuously for 12–24 hours.

Battery Charging Safety:

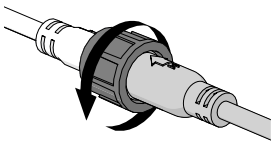
- Charge only in a dry, ventilated environment with an ambient temperature of 0–45 °C.
- Stop charging and disconnect power if you notice smoke, odor, or unusual noise from the product.
- Do not exceed the maximum charging time of 48 hours.
- Do not leave on charge unattended.

To Use the USB-C Charge Adapter:

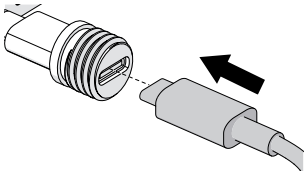
1. Plug the DC end of the adapter into the motor cable.



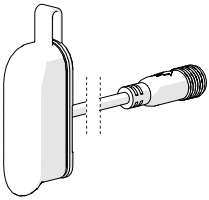
2. Screw the cap over the DC connection to secure it and maintain water resistance.



3. Connect your USB-C charger cable to the USB-C end of the adapter.



Note: If using a USB-C port extension cable (sold separately), the USB-C charge adapter is not required.

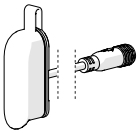


7. USB-C Extension Cable (Optional)

USB-C port extension cable is available as an optional accessory. It can be installed directly on the side channel extrusion to provide a more convenient and water-resistant user-accessible charging point.

Available Lengths:

1. 1.5 m [4.9 ft]
2. 2.5 m [8.2 ft]

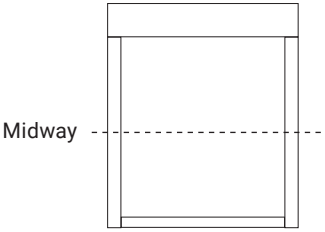


Installation :

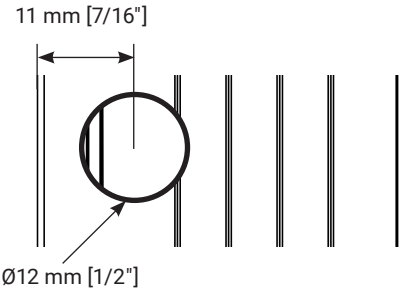
IMPORTANT

Complete all steps shown below before installing the inner rail.

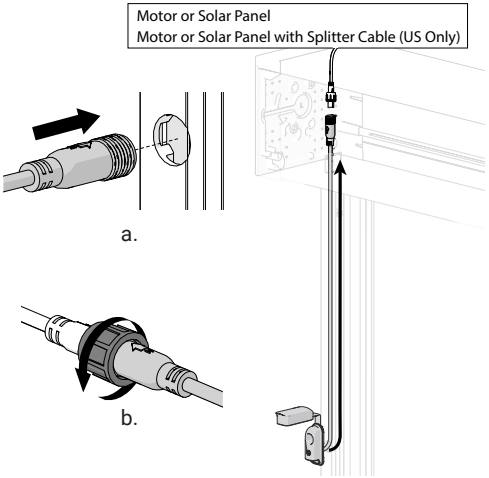
1. Mark the hole midway up the extrusion for maximum adjustability.



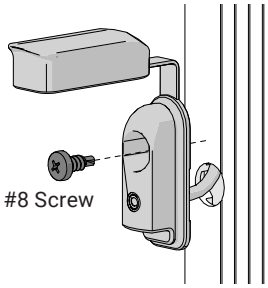
2. Drill a Ø12 mm hole, 11 mm from the edge at the marked point.



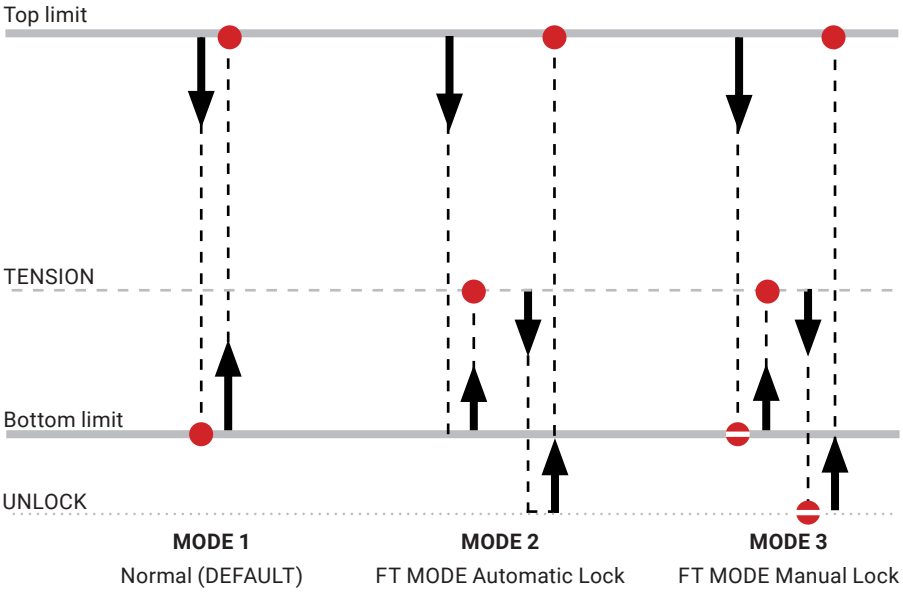
3. a. Feed the cable through the hole.
b. Connect the DC plug to either the motor or solar panel.



4. Attach the charging port to the side channel using a suitable self-tapping screw (not supplied).



8. Selectable Mode



LEGEND	
END OF CYCLE ●	CYCLE PAUSE ⛔

8.1 Impact Detection (Zipscreen Only)

Impact detection is deactivated by default. It may be activated in all three modes.
If an obstacle is detected twice in the shade path during downward movement, the motor lifts the shade approximately 7.87 in. (20 cm).

Top limit

Inactive zone of impact detection ↕ **300 degrees x tube diameter**

Active zone of impact detection

⚠ For impact detection to be functional, a specific two-part drive adapter must be used. Using a standard one-piece drive will render the collision detection feature inoperable even if the feature is turned on.

Inactive zone of impact detection ↕ **300 degrees x tube diameter**

Bottom limit

9 P1 Button Functions

9.1 Motor State Test

This table describes the function of a short **P1** Button press/release (<2 seconds) depending on current motor configuration.

P1 Press	Condition	Function Achieved	Visual Feedback	Audible Feedback	Function Described
Short Press	If limit is NOT set	None	No Action	None	No Action
	If limits are set	Operational control of motor, run to limit. Stop if running	Motor Runs	None	Operational control of motor after pairing and limit setting is completed first time
	If motor is in "Sleep Mode" & limits are set	Wake and control	Motor wakes and runs in a direction	None	Motor is restored from Sleep Mode and RF control is active

9.2 Motor Configuration Options

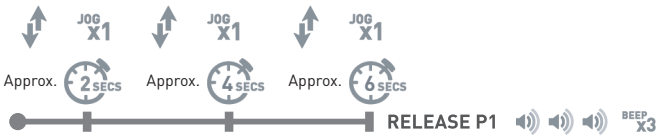
The **P1** Button is utilized to administer motor configurations as described below.

Hold **P1** button on motor head.

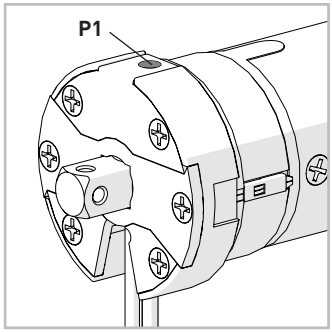
Activate Pairing Mode

Sleep Mode

Reverse Direction



Reset To Factory Settings



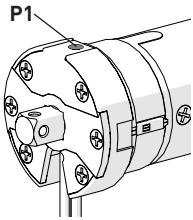
P1 button on motor head.

10 Initial Set Up

10.1 Pair Motor with Controller

Select channel on controller.

Press the **P1** button until the motor responds then release.



Motor Response

Hold **STOP** on controller.

Motor Response

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

IMPORTANT

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

10.2 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.

Motor Response

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.

10.3 Set Limits

IMPORTANT

Unroll the entire shade to bottom before setting limits to settle fabric

Upper Limit

Move shade to the desired highest position by pressing the **UP** button on controller.

To save upper limit, hold **UP** and **STOP**.

Motor Response

Approx. 5 SECS

Lower Limit

Move shade to the desired lowest position by pressing the **DOWN** buttons on controller.

To save lower limit, hold **DOWN** and **STOP**.

Motor Response

Approx. 5 SECS

IMPORTANT

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

IMPORTANT (ULTRA-LOCK V2 ONLY)

When using the Ultra-lock, the lower limit must be set within the 'locking zone'.
Jog the weight bar down until you hear both the locking pins click into the latch housing.

Once the lower limit is set, immediately activate Fabric Tension Mode by following the steps in the Fabric Tension Setting section.

11 Adjusting Limits

11.1 Adjust Upper Limit

Hold **UP** and **STOP** on controller.

Move shade to the desired highest position by pressing the **UP** or **DOWN** button.

To save upper limit, hold **UP** and **STOP**.

Motor Response

Approx. 5 SECS JOG X1 EXT. BEEP X1

Motor Response

Approx. 5 SECS JOG X2 BEEP X3

11.2 Adjust Lower Limit

Hold **DOWN** and **STOP** on controller.

Move shade to the desired lowest position by pressing the **UP** or **DOWN** button.

To save lower limit, hold **DOWN** and **STOP**.

Motor Response

Approx. 5 SECS JOG X1 EXT. BEEP X1

Motor Response

Approx. 5 SECS JOG X2 BEEP X3

IMPORTANT (ULTRA-LOCK V2 ONLY)

When using the Ultra-lock, the lower limit must be set within the 'locking zone'.
Jog the weight bar down until you hear both the locking pins click into the latch housing.

Once the lower limit is set, ensure Fabric Tension is activated following the Fabric Tension Setting section.

12 Favorite Positioning

12.1 Set a Favorite Position

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

Press **P2** on controller.

Motor Response

Press **STOP** on controller.

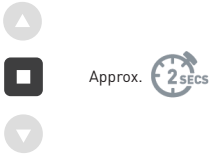
Motor Response

Press **STOP** on controller.

Motor Response

12.2 Send Shade to Favorite Position

Hold **STOP** on controller.



12.3 Delete Favorite Position

Press **P2** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

Press **STOP** on controller.

Motor Response

13 Fabric Tension Setting

13.1 Activate/Deactivate FT Mode

⚠ **Note: When activating FT Mode for the first time, AUTOMATIC Lock Mode is selected. FT Mode is deactivated by default.**

Press **P2** on controller.

Press **UP** on controller.

Press **UP** on controller.

FT MODE:

Motor Response

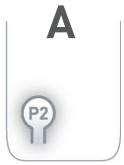
NO FT MODE:

Motor Response

13.2 Switching Auto & Manual Lock Modes

⚠ **Note: Motor must be in FT mode before switching between lock modes.**

Press **P2** on controller.



Press **STOP** on controller.

Press **DOWN** on controller.

AUTO MODE:

Motor Response

MANUAL MODE:

Motor Response

13.3 Auto Mode Operation

LOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** and **UP** to engage the Ultra Lock.

UNLOCK

Press **UP** on controller.

Motor Response

Shade moves **DOWN** to release Ultra Lock and then **UP** to the top limit.

13.4 Manual Mode Operation

LOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** to the bottom limit, then pauses.

Press **UP** on controller.

Motor Response

Shade moves **UP** to engage the locking device.

UNLOCK

Press **DOWN** on controller.

Motor Response

Shade moves **DOWN** to release the Locking device, then pauses.

Press **UP** on controller.

Motor Response

Shade moves **UP** to the top limit.

13.5 Activate/Deactivate Impact Detection Mode

The Impact Detection feature only works in the active zone during downward movement.
All three modes have this impact detection feature deactivated by default.

Repeat sequence to turn on or off as required.

Press **P2** on controller.

Motor Response

Press **DOWN** on controller.

Motor Response

Press **DOWN** on controller.

Impact Detection ON

Motor Response

Impact Detection OFF

Motor Response

IMPORTANT

The top tube must be able to freely rotate ~ 5 degrees after installation.

14 Soft Stop Configuration

14.1 Activate Soft Stop

Soft Stop is deactivated by default.

Hold **UP** & **DOWN** on controller for 5 seconds.

Motor Response

Approx. 5 SECS

Press **P2** on controller.

Motor Response

Press **UP** on controller.

Motor Response

14.2 Deactivate Soft Stop

Hold **UP** & **DOWN** on controller for 5 seconds.

Motor Response

Approx. 5 SECS

Press **P2** on controller.

Motor Response

Press **DOWN** on controller.

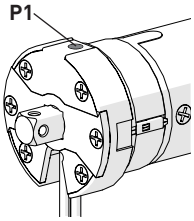
Motor Response

15 Controllers and Channels

15.1 Using Motor P1 Button to Add a New Controller or Channel

B (Controller) = Controller or channel to add.

Press **P1** on motor head.



Motor Response

Hold **STOP** on controller **B** to add it. Motor keeps original limits.

Motor Response

IMPORTANT

Consult user manual for your controller or sensor.

15.2 Using P2 Button to Add a New Controller or Channel

A = Existing controller, remote or channel that is paired to the motor.

B = Controller or channel to add.

Press **P2** on controller **A**.

Motor Response

Press **P2** again on controller **A**.

Motor Response

Hold **STOP** on controller **B** to add it.

Motor Response

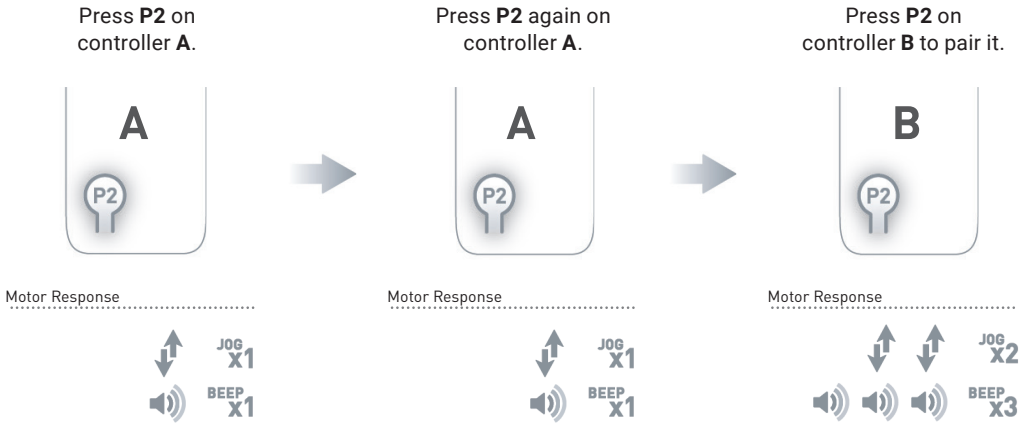
IMPORTANT

Consult user manual for your controller or sensor.

15.3 Using a Pre-existing Controller to Add or Delete a Controller or Channel

A (Controller) = Existing controller, remote or channel that is paired to the motor.

B (Controller) = Controller or channel to add or remove.



Note: Repeating this section with an existing Remote (A) and a paired Remote (B) will unpair the Remote (B) from the motor.

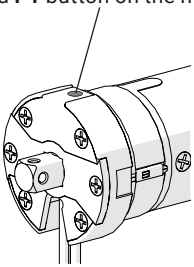
16 Sleep Mode

If multiple motors are grouped on a single channel, Sleep Mode may be used to put all but 1 motor to sleep, allowing programming of just the one motor that remains “Awake”.

Enter Sleep Mode

Sleep mode is utilized to prevent a motor from incorrect configuration during other motor setup.

Hold **P1** button on the motor head



Motor Response

Approx. 4 SECS — JOG X2

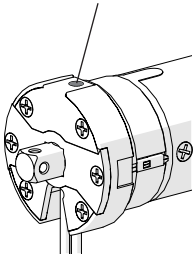
RELEASE P1

BEEP X2

Exit Sleep Mode: Method 1

Exit sleep mode once the shade is ready.

Press and release **P1** button on the motor head



Motor Response

JOG X1

Exit Sleep Mode: Method 2

Remove power and then re-power the motor.

17 Battery Check Function

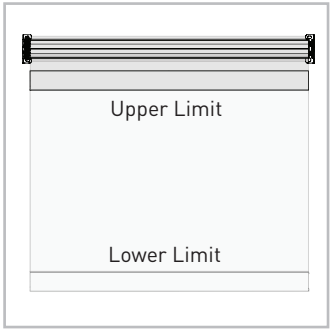
17.1 Send Shade to Battery Charge Level

Shade must be at Upper Limit.

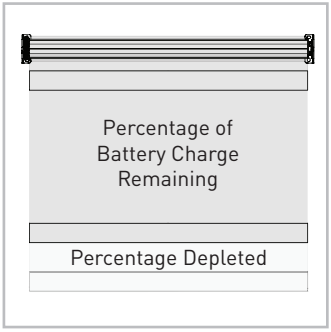
Hold **UP**

Motor Response

Approx. 5 SECS



Shade must be at Upper Limit
Hold **UP** for Approx. 5s



Shade moves to percentage of battery charge remaining

18 Sun and Wind Sensor

Ensure the Sun and Wind sensor functionality on the motor is activated prior to pairing the sensor.

18.1 Activate/Deactivate Sensor Functionality

Note: Functionality activated by default.

Press **P2** on controller

Motor Response

Press **UP** on controller

Motor Response

Press **STOP** on controller

Motor Response (Activated)

Motor Response (Deactivated)

18.2 Pairing Wind and Sun Sensor to Motor

On Remote

Press **P2** on controller

Motor Response

Press **P2** on controller

Motor Response

On Sensor

Press **P2** to wake the sensor

Press **P2** on an existing controller to add or remove it.

Motor Response

IMPORTANT

Once the motor receives a trigger from the wind sensor, the motor will respond accordingly. At this point the motor will ignore any other remote or sensor commands for 8 minutes. This is needed to avoid contradicting multiple triggers. Keep this in mind when testing the motor with the remote after the wind sensor has been triggered. The wind sensor function is ON by default.

Note: Motor will jog to alert user if operated within 8 minutes.

19 Tilt & Roller Mode

Switch the motor between Tilt Mode and Roller Mode.

19.1 Toggle Motor to Tilt Mode

Default motor mode is Roller after the initial limits are set. Use the following steps to change to Tilt Mode.

Hold **UP** & **DOWN** on controller for 5 seconds.

Motor Response

Approx. 5 SECS JOG x1

Press **STOP** on controller.

Motor Response

JOG x1

EXT. BEEP x1

19.2 Toggle Motor to Roller Mode

If the motor is in Tilt Mode, use the following steps to change to Roller Mode.

Hold **UP** & **DOWN** on controller for 5 seconds.

Motor Response

Approx. 5 SECS JOG x1

Press **STOP** on controller.

Motor Response

JOG x2

BEEP x3

Problem	Cause	Remedy
Motor is not responding.	Battery is depleted.	Recharge with a compatible charger.
	Insufficient charging from Solar Panel.	Check connection and orientation of Solar Panel.
	Receiver distance is too far from transmitter.	Move transmitter to a closer position.
Motor beeps x10 when in use.	Battery voltage is low.	Recharge with a compatible charger.

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