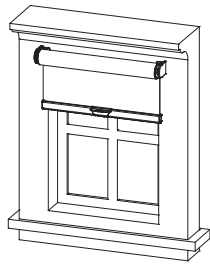


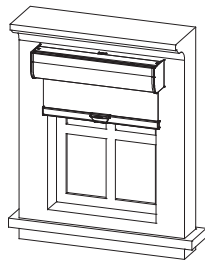
N300710-Q

Roller Shade

INSTALLATION INSTRUCTIONS



Roller Tube/No Fascia



With Fascia

RECOMMENDED TOOLS

- Screw gun / Drill
- Tape Measure
- Screwdriver
- Level
- Pencil



HARDWARE INCLUDED

1. SCREWS NEEDED FOR INSTALLING

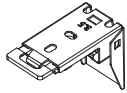
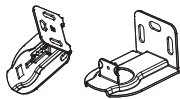



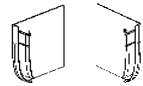
Hardware	Drawing	Usage
1 1/4" Hexagon screw		To install shade brackets
2" Flat head screw		To install safety tension device for continuous cordloop
5/8" Flat head screw		To install magnet catch

2. HARDWARE FOR REGULAR ROLLER SHADE (NO RACEWAY)



Hardware	Drawing	Usage
Shade bracket		To install shade (on control side)
Shade bracket		To install shade (on End Plug side)
Bracket cover		Shade bracket cover (Pre-installed on the shade bracket)

3. HARDWARE FOR ROLLER SHADE WITH RACEWAY SYSTEM*

RACEWAY SYSTEM USED WITH FASCIA IS ORDERED

Hardware	Drawing	Usage
Mounting bracket		To install raceway (for outside mount)
Shade bracket		To install raceway (for inside mount)
Raceway bracket clip		To install shade bracket into raceway (for inside mount, pre-installed on the shade bracket)
Valance bracket		To install fascia / valance (mounted on raceway)
Valance clip		To install fascia / valance (placed on fascia/valance)
Curved Fascia end cap		For curved fascia

4. OTHER HARDWARE

Hardware	Drawing	Usage
Handle		For Cordless shades
Magnet Catch		Optional (For magnetic hold down)

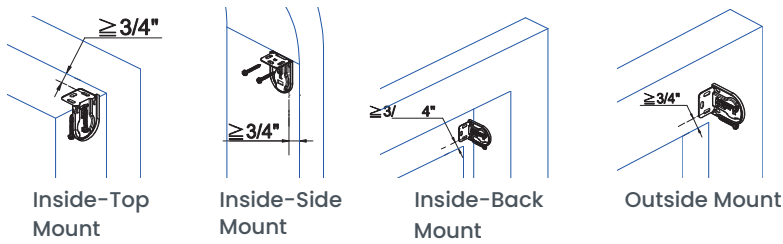
REGULAR SHADE (NO RACEWAY) INSTALLATION AND REMOVAL

INSTALLATION OF SHADE BRACKETS

When installing the shade bracket, the distance from the bracket's front mounting hole to the front edge of the window frame should be at least 3/4". Make sure both shade brackets line up with each other horizontally.

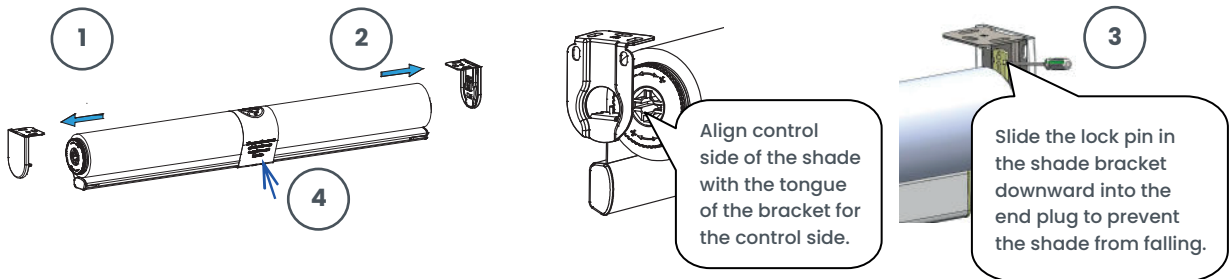
Each shade bracket will require two 1 1/4" hexagon screws for the installation.

For Inside Mount installation, first fit the bracket cover over the shade bracket, and then screw brackets into wall.



INSTALLATION OF THE SHADE

1. First, insert the control side into the tongue of the bracket for the control side.
2. Second, press the end plug and insert the end plug into the hole of bracket of the other side.
3. Third, slide the lock pin in the shade bracket downward into the end plug to prevent the shade from falling.
4. Finally remove the paper band from the shade.

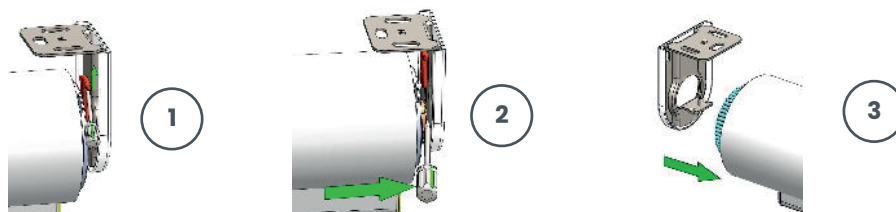


Shade Installation Tips: After shade is installed into shade brackets, use a Level to check if the fabrics roll is horizontal; if not, please adjust the position of shade brackets to keep the fabrics roll level.



REMOVAL OF THE SHADE

1. Use a tool to push the lock pin on end plug bracket upward.
2. Use tool to draw back the end plug from bracket.
3. Finally remove shade from mounting bracket. As shown in drawing.

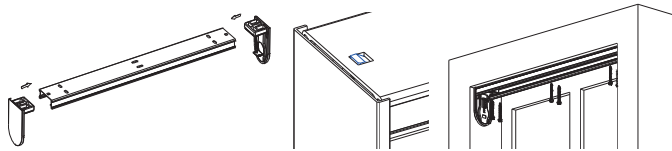


RACEWAY SYSTEM INSTALLATION AND REMOVAL

INSTALLATION OF MOUNTING / SHADE BRACKETS

INSIDE MOUNT

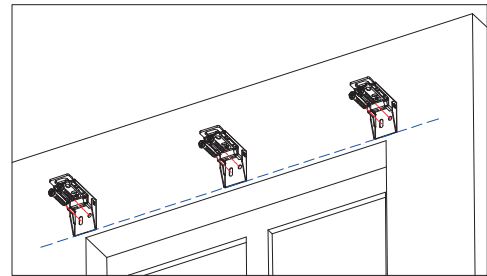
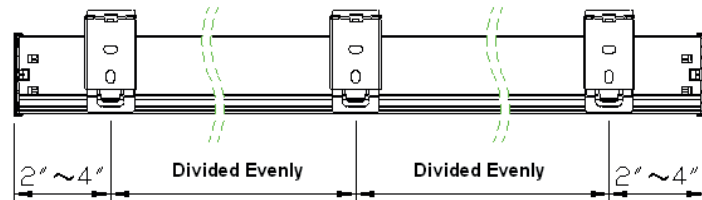
Attach the shade brackets and raceway bracket clips into the two ends of the raceway. Make sure the raceway bracket clip's bolt locks into the raceway's dedicated hole. Install the raceway into the window opening. We recommend securing the screws into the middle holes of the raceway first. This would allow you to adjust the raceway left or right if required. Once the correct position has been located, secure the screws for the holes. Take care that the distance between the 1st screw and the window edge is at least 3/4".



OUTSIDE MOUNT

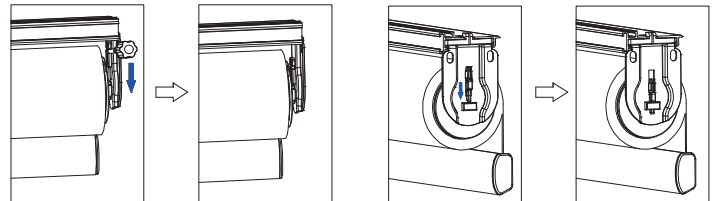
When installing the mounting brackets, the distance from the bracket's front mounting hole to the front edge of the window frame should be at least 3/4". Make sure all brackets line up with each other horizontally. Each bracket will require two 1 1/4" hexagon screws for the installation.

Brackets position:

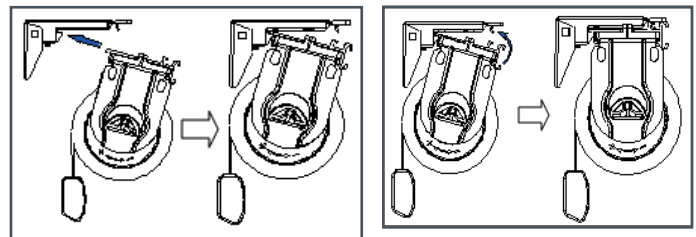


INSTALLATION OF SHADE

For inside mount, the shade installation is same as regular shade. Refer to the previous regular shade installation instructions for details. For outside mount, before installing the shade into the mounting brackets, please locate the lock pin in the shade bracket on the end plug side. Slide the pin downward into the end plug to prevent the shade from falling.



Insert the back edge of the raceway into the back plastic part of the bracket, and then turn the raceway upwards so that the front rib of the raceway snaps into the bracket.



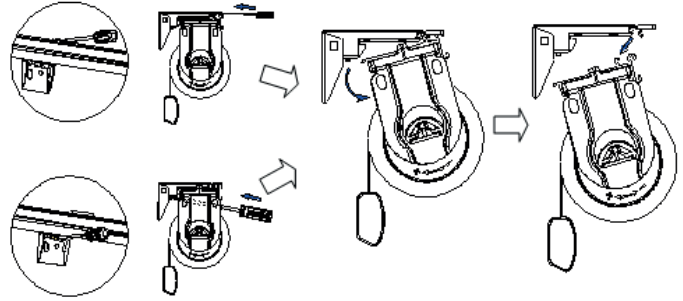
1

2

REMOVAL OF SHADE

For inside mount, the shade removal is same as regular shade. Refer to the previous regular shade removal instructions for details.

For outside mount, use a tool to push back the front or back plastic part of the brackets, and then turn the back side of the raceway downward so that it detaches from the bracket. Finally remove the raceway by pulling downward from the brackets.



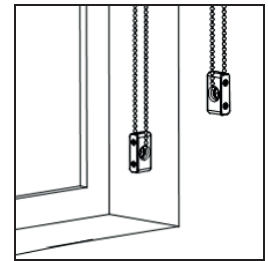
CONTINUOUS CORDLOOP

INSTALLATION

INSTALL SAFETY TENSION DEVICE

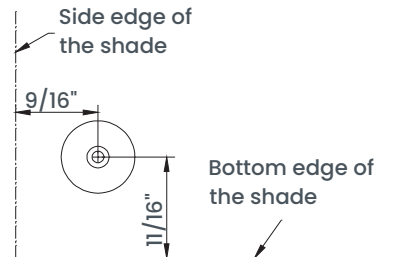
For Continuous Cordloop Shades

Use two 2" flat head screws to install the safety device. The bead chain should be fully extended upon installation of the device.

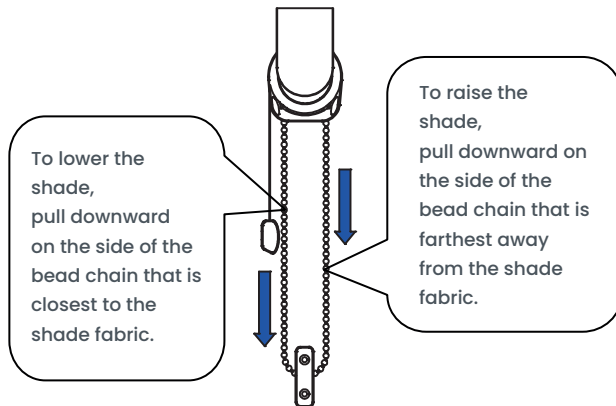


B. MAGNETIC HOLD DOWN

Use 5/8" flat head screw to secure the magnet catch at the below location. Make sure the magnet catch aligns with the pre-installed magnet on shade bottom rail.



CONTINUOUS CORD LOOP OPERATION

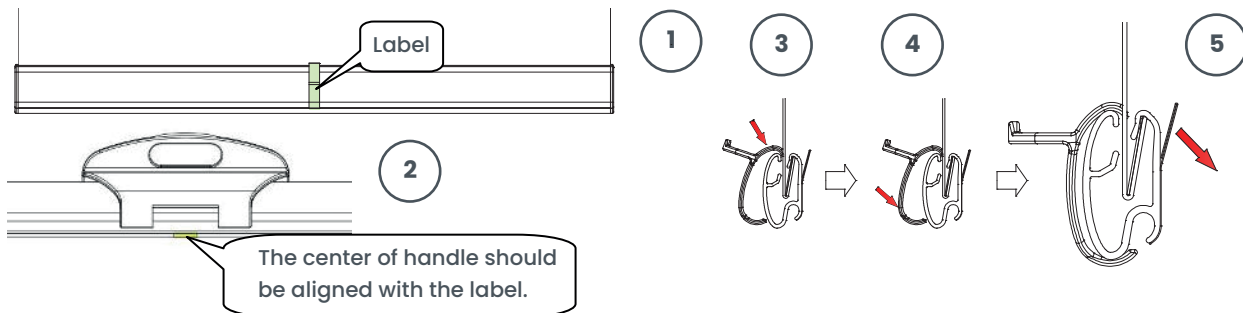


CORDLESS INSTALLATION

HANDLE INSTALLATION AND REMOVAL

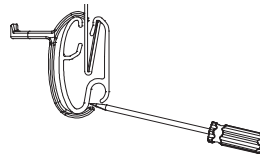
ATTACH HANDLE TO HEM BAR

1. Turn over hem bar and you can see a label attached at the center of the hem bar.
2. Align the center of the bottom of the handle with the label.
3. Hook the handle to the hem bar from top to bottom.
4. Press the handle from top to bottom to make the top of the handle clip into the hem bar.
5. Tear off the label from hem bar.



REMOVE HANDLE FROM HEM BAR

Use straight screwdriver to pry the bottom of Handle from hem bar and then the handle can be removed.



CORDLESS OPERATION

Pull the handle downwards or upwards and the shade will be lowered or raised.

The tension in our cordless roller shades can be adjusted to provide optimal light control and to ensure easy and dependable operation on a variety of window types and sizes. If a cordless shade begins to slide down on its own or it fails to roll up, the issue can be easily fixed by turning the adjustment dial towards "+" to increase the tension. Conversely, if the cordless shade cannot stop at the desired height and tends to roll up by itself, the tension can be decreased by turning the adjustment dial towards the "-".

The shade must be installed on the brackets when adjusting.

Place the U-shape channel of pole under the handle and push up to hook the handle.

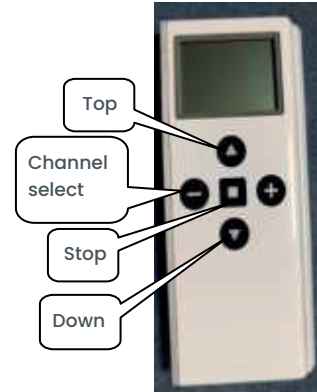
Use the "hook" portion to hook the handle to lower the shade.

AUTOMATE MOTORIZATION

To avoid motors waking and running during shipping process, motors are set as sleeping mode before shipped out. Please short press P1 once to activate motors before operating. After short pressing P1, the motors will wake, enabling it to run in a direction.

15-CHANNEL REMOTE:

There are total 15 channels (channel# 1-15) available. The shade will be default pre-program in channel 1 unless specified at the factory before shipping. The default setting from the factory for channel 0 is to operate all shades at once.



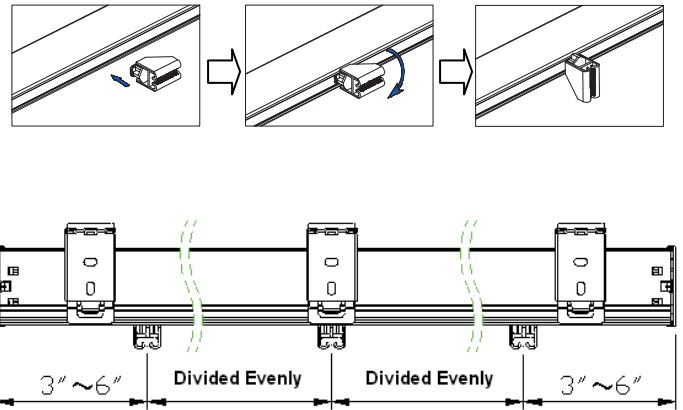
FASCIA

INSTALLATION

FASCIA BRACKET INSTALLATION

After installing the shade and raceway, the brackets for the fascia come next. Align the fascia bracket with the raceway first and then push the bracket onto the raceway. The top groove of the fascia bracket should hook onto the top of the raceway while the bracket's bottom groove clips into the bottom rib of the raceway, as shown below.

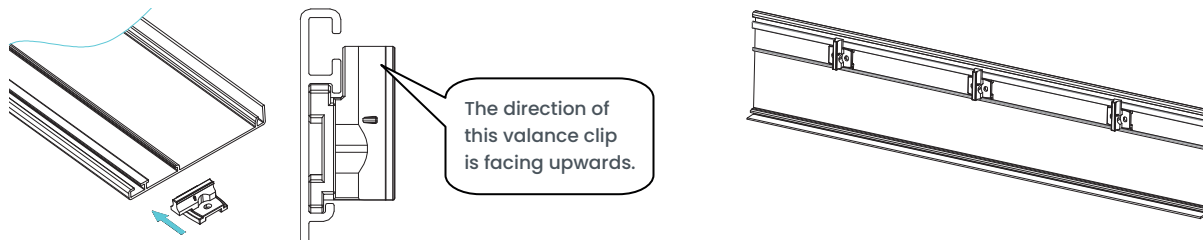
This drawing shows the fascia brackets installed in an ideal position. They are placed far enough apart so that the space is divided evenly.



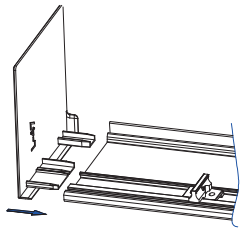
FASCIA CLIP INSTALLATION

Insert the fascia clip into the dedicated groove on the aluminum strip, paying special attention to the direction of the fascia clip. The fascia clip should face up and should align with the fascia bracket as pictured.

For Fascia:



ATTACH FASCIA END CAP TO FASCIA

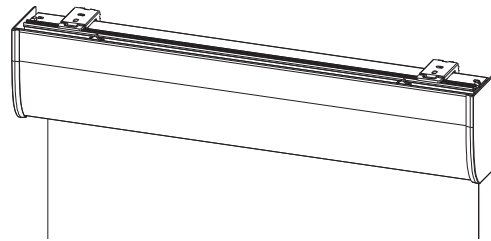
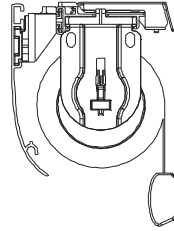
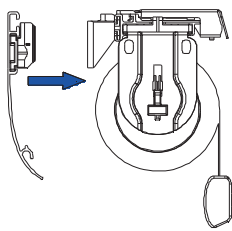


Note: please skip this step if there is no returns

ATTACH FASCIA TO RACEWAY

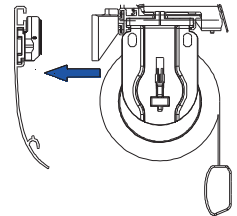
Slide the clips to a position on the fascia so that they are each aligned with a bracket on the raceway, and then push the clips into the bracket.

For Fascia:

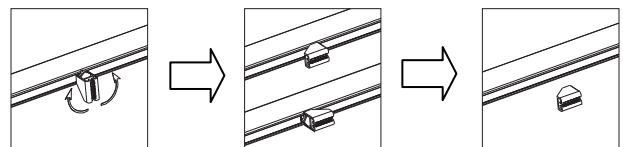


FASCIA REMOVAL

- First, remove fascia together with clips and detach them from the brackets.



- Take down shade from mounting brackets before removing brackets from raceway.
- Turn the brackets 90 degree, and then take off brackets from raceway, as shown below.



Note: The installation & removal for all fascias are the same.

NORMAN SMART MOTORIZED SHADE

INSTALLATION

SPECIFICATION

NO.	ITEM	Specification
1	Power Source	MRS-32A: AC Power 100-240V, 50 / 60Hz
2	Battery operating voltage range	4.2V~3.4V (Single cell)
3	Radio type	2415-2459MHz
4	Frequency band(s)	2.4G RF
5	Motor type	Brush DC motor
6	Charging Time	< 3 hours
7	Charging Temperature	0°C/32°F ~ 40°C/104°F
8	Operating Temperature	0°C/32°F ~ 40°C/104°F
9	Relative Humidity	0% ~ 90% (Non-condensing)
10	Ave. Sound Level @1m	≤ 50dBA

SAFETY PRECAUTIONS



Thank you for your purchase. Please review the instructions carefully before using the product, and save these instructions for future consultation.

- **WARNING!** Important safety instruction: It is critical for your safety and the safety of those around you to follow these instructions. Please save these instructions for future use.
- **WARNING!** The motor/shade must be disconnected from its power source during cleaning, maintenance and when replacing parts.
- The products may contain Lithium-ion batteries; the battery contains flammable materials such as organic solvents. Please read the Important Safety Precautions before using the product.
- Please recharge the batteries every 3-6 months to ensure optimal performance of batteries.
- Product operation is intended for temperatures between 0°C/32°F~40°C/104°F.
- Please note that the limited warranty will be voided if the product is modified, dismantled or used in any manner other than its intended purpose.
- The accessories, including Charging Wand, Adapter, and Remote are designed to be used with our Motorized Shades. Do NOT use them for any other purpose.
- Please make sure the shade route is clear when operating to avoid danger or damage.
- In order to improve the user experience and functionality, the firmware and software of this product will automatically update from time to time.
- **WARNING!** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.  Detachable supply unit (UHVUU3036-240015SA)
- Do NOT disassemble the products or any of their components. They do not contain serviceable parts. Servicing of these products should be referred to qualified personnel.
- This appliance contains batteries that are only replaceable by skilled personnel, trained authorized retailer or electrician.
- Do NOT operate the product with wet hands to avoid risk of electrical shock. The product needs to be powered off and disconnected from its power source during cleaning, maintenance and/or replacing parts.
- The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- The appliance is only to be used with the power supply unit provided with the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- **WARNING:** Important safety instructions. It is important for the safety of persons to follow these instructions. Save these instructions.
- **WARNING:** Important safety instructions. Follow all instructions, since incorrect installation can lead to severe injury.
 - Before installing the drive, remove any unnecessary cords or components and disable any equipment not needed for powered operation; -the characteristics of the driven part must be compatible with the rated load and rated operating time.
 - The mass and the dimension of the driven part shall be compatible with the rated torque and rated operating time;
 - Fixed controls have to be clearly visible after installation.
- This appliance contains batteries that are only replaceable by skilled persons.
- Do NOT operate when maintenance, such as window cleaning, is being carried out in the vicinity.
- **IMPORTANT:** Please reserve space for connecting the Power Charger while installing the shade, please refer to "Installation" Section for more information.
- Do not allow children to play with fixed controls. Keep remote controls away from children.
- Frequently examine the installation for imbalance and signs of wear or damage to cables springs and fixings. Do not use if repair or adjustment is necessary.
- LpA ≤ 70 dB (A).

INSTALLATION

Please take a moment to review the following installation guide. The installation of mounting brackets and shades is same as non motorized shades.

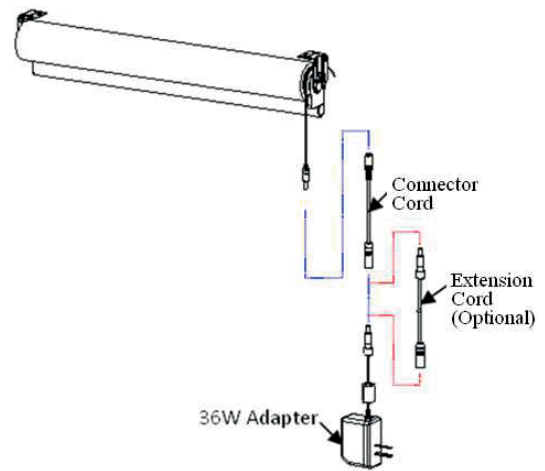
Check components for AC adapter Plug-In (MRS-32A)

36W Adapter	
	
36W Adapter	Connector Cord

AC ADAPTER PLUG-IN (MRS-32A) WITH 36W ADAPTER:

Please connect the connector cord to the adapter, and then plug the connector cord into the cable of the motor, last plug the adapter to the outlet. If there is extension cord ordered, then connect the extension cord between connector cord and adapter.

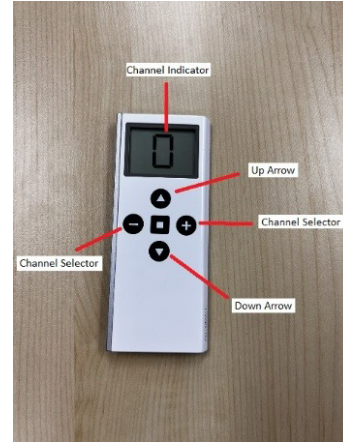
The shade will turn on automatically after plug into the outlet. And the indicator light will blink green.



OPERATE THE SHADE BY REMOTE CONTROL

For shades with MRS-32A AC Adapter, the shade will power on as soon as the power is connected.

- By using the channel selectors (+/-) on your remote, select the channel that the preferred shade is programmed.
- To raise the shade, click the up arrow and the shade should glide up. To lower the shade, click the down arrow and the shade should glide down.
- To stop the shade at any point, click the square in the center. This is your stop button.



OPERATE THE SHADE BY SHADE BUTTON

- When the remote is out of reach, the shade can be operated by shade button.
- Press the button to move the shade in first direction when the shade is still.
- Press the button to stop the shade while the shade is in motion.
- Press the button again to move the shade in the opposite direction.



TROUBLESHOOTING

Problems	Possible Cause	Description
No reaction upon operation	No Signal	Operate the shade with the remote and check the LED indicator on the shade. Green light blinks: The shade receives signal normally. Red light blinks: Low battery / Over temperature limit Red/Green light blinks: Other problems No light: Not receiving signal / Not paired with a Remote / The shade is powered OFF.
	Low battery of Remote	Please check if the remote group lights work normally, or replace with new batteries.
	The shade is not paired with the Remote	Shade has no response means it needs to be paired first. Please refer to "Remote Control Manual" for pairing steps.

Problems	Possible Cause	Description
No reaction upon operation	Over Temperature Protection	The shade might be overheated when the LED indicator on shade blinks red during operation. Please wait at least 30 minutes and operate the shade again. Please refer to the Specifications for applicable operating temperature.
	The limits are not fully setup.	The shade limits might not be fully set up for full functionality. Please refer to "Remote Control Manual" to set up shade limits again. IMPORTANT! Upper and Lower limits must be setup for full function of the shades.
	Other Problems	Re-power ON: Hold the shade button for 3 seconds to power the shade ON/OFF. If the problem still exists, please try "Hardware reboot". Hardware reboot: Hold the shade button for 10 seconds until the red light illuminates and the shade will reboot. If the problem still exists, please contact your customer service for further assistance.
Limits shift	Abnormal power failure	Abnormal power failure may cause an unintended change to the shade limits. Please refer to "Remote Control Manual" to set Limits shift up limits again.
	Others	Please contact customer service for further assistance.

SAFETY STATEMENT

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. 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.

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada Equipment Standard for Digital Equipment (ICES)–Canada

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. CAN ICES-3 (B)/NMB-3(B)

Innovation, Science and Economic Development Canada (ISED) Compliance Statement

This device complies with ISED's licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the unit & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements FCC/ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20cm entre le radiateur et votre corps.

SAFETY INSTRUCTIONS FOR LITHIUM BATTERIES

The product may contain lithium-ion batteries; the battery contains flammable materials, such as organic solvents. Mishandling of the battery may cause fire, smoke, or explosion.

DANGER

Do not immerse the battery in any liquid, such as water, beverages, or other fluids. Exposure to liquid may damage the battery or the battery pack. Damaging the battery may generate heat, smoke, catch fire, or explode.

Do not use or place the battery in or near an open flame, heater or high temperature areas (above 80°C or 176°F), such as those near a microwave or other cooking appliance.

Subjecting the battery to high temperature or near electromagnetic radiation may damage the polyolefin separator and can cause short circuit. This may cause the battery to generate heat, smoke, catch fire, or explode.

About Charging: Do not use unauthorized chargers.

Only charge the battery within recommended conditions (e.g., temperature range, voltage, and current). Use of an unauthorized charger could cause the battery to generate heat, smoke, catch fire, or explode.

Do not attach or insert battery with polarity reversed. If the battery does not easily fit into the charger or device, check the battery orientation. Do not force the battery into the compartment. If the battery is inserted incorrectly, the battery may generate heat, smoke, catch fire, or explode. Do not connect the battery to an AC outlet or DC automotive plug. The battery requires a specific charger. If the battery is connected directly to a power outlet, the battery may generate heat, smoke, catch fire, or explode. Do not use the battery in equipment for which it was not intended. If the battery is used in unapproved applications or systems, the battery may be damaged and generate heat, smoke, catch fire, or explode. Keep the battery away from heat and fire. Excessive heat will damage the battery and may cause it to generate smoke, catch fire, or explode.

Do Not connect the positive (+) and negative (-) terminals with a conductive material. Do not carry or store the battery with any metal objects. If the battery is shorted, it may overheat and the battery may generate heat, smoke, catch fire, or explode. Avoid excessive impact to the battery.

Impact beyond specification may damage the battery. This may cause the battery to leak, generate heat, smoke, catch fire, or explode.

Do not penetrate the battery with any sharp object. If subjected to a hard strike or penetrated by an object, the battery may be damaged, thereby causing the battery to short-circuit. This may cause the battery to generate heat, smoke, catch fire, or explode.

Do not directly solder to the battery. Soldering directly to the battery could melt the separator, damage the fume release vent or other safety mechanisms. This may cause the battery to generate heat, smoke, catch fire, or explode.

Do not disassemble the battery. Disassembly or modification of the battery may damage the protection circuit. This may cause the battery to generate heat, smoke, catch fire, or explode. Do not charge the battery near high temperature. If the battery is charged while exposed to high temperature, the battery's protection circuit may activate and prevent charging, or fail and cause the battery to generate heat, smoke, catch fire, or explode.

WARNING

Ingestion

Keep away from small children. Keep the battery away from small children. If the battery or any of its component parts is swallowed, seek medical attention immediately.

Mixed Use

Do not mix with other batteries. The battery should not be used with other batteries having a different capacity, chemistry, or manufacturer. Doing so could cause the battery to generate heat, smoke, catch fire, or explode. Rust, Discoloration and Deformities Do not use abnormal batteries. Immediately stop using the battery if there are noticeable abnormalities, such as smell, heat, discoloration, or deformity. The battery may be defective and could generate heat, smoke, catch fire, or explode with continued use.

Charging Time

Stop charging if the charging process cannot be finished. If the battery cannot finish the charging process within the specified time, halt the charging process. The battery may generate heat, smoke, catch fire, or explode.

Leakage -1

Do not use a leaking battery near open flame. If the battery or liquid leaking from the battery has an irritating odor, the battery should be kept away from any open flame. If exposed to an open flame, the battery could ignite and explode.

Leakage -2

Do not touch a leaking battery. If liquid leaking from the battery gets into your eyes or makes contact with your skin, immediately flush your eyes or skin with clean water and seek medical attention. If left untreated, it will cause significant eye or skin damage.

Transport

Pack the battery securely for transport. To prevent short-circuit or damage during transport, securely pack the battery in a case or carton.

CAUTION

Exposure to Direct Sunlight

Do not use or leave the battery in a location exposed to excessive heat, such as in direct sunlight or in a car. Doing so could cause the battery to generate heat, smoke, catch fire, or explode. It may also cause the battery's performance and life to deteriorate.

Use with other Equipment or Power

The battery pack has a protection circuit. Do not use the battery with other equipment or power as it may damage the protection circuit. If the protection circuit fails, the battery may generate heat, catch fire, smoke, or explode.

Charging Temperature Range

Only charge the battery between 5°C and 35°C. Charging outside of this temperature range may cause the battery to leak, generate heat, or result in serious damage. It may also cause the battery's performance and life to deteriorate.

Charging Method

Read the user's manual for proper product charging method. First Time Usage Please contact the supplier if the battery gives off an unusual odor, generates heat, or shows signs of rust prior to its initial use.

Flammable Materials

Do not charge or discharge near flammable materials. Doing so could result in fire. Handling of Exposed Contacts or Conductors If the battery pack has a system interface consisting of stripped lead wires or exposed contact plates, handle with due care. Temporarily insulate exposed contacts and conductors with an insulator such as polypropylene tape or polyvinylchloride tape. Failure to do so could result in an electrical shock; a short circuit causing the battery to generate heat, smoke, catch fire, or explode; or the combustion of other materials.

Recycling

When disposing of the battery, recycle it according to local rules and regulations.