

User Manual

Jam protection module for Motorized Roller Shade

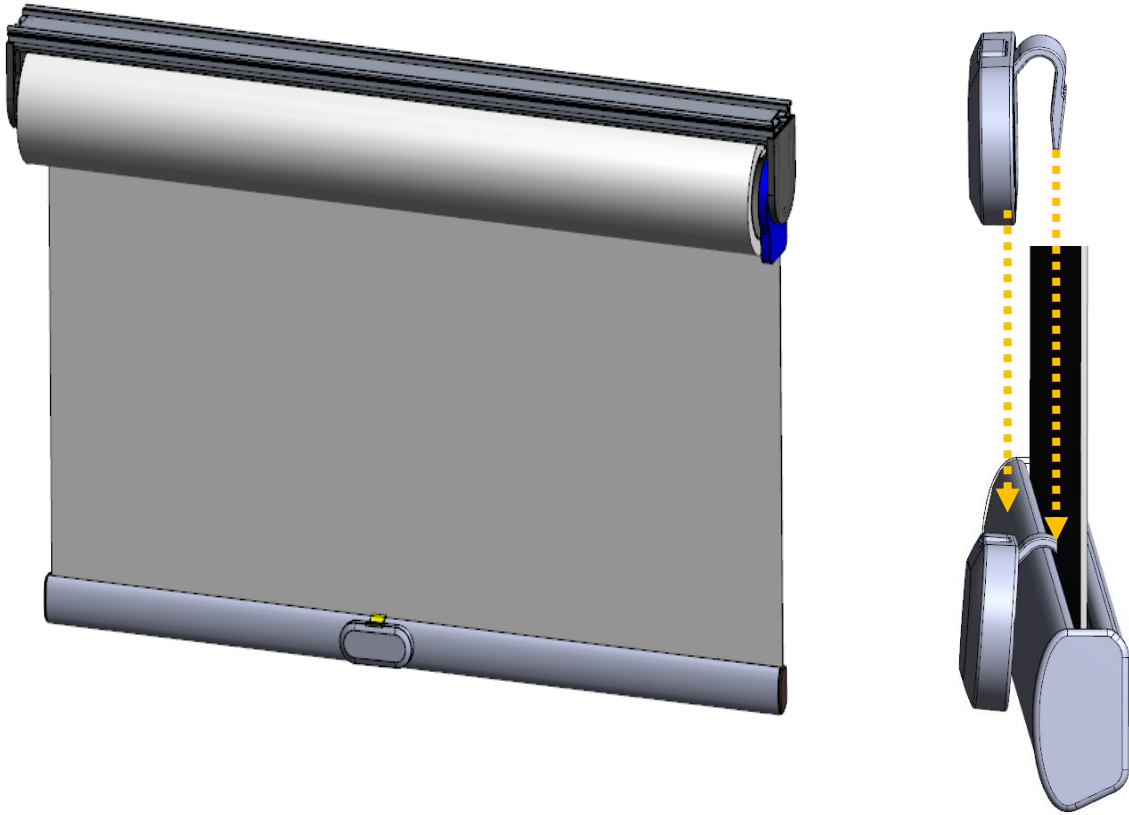
Model : GSM1

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. Save these instructions.
- **WARNING!** The drive shall 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.
- 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.
- Please check there is no jam along the shade track to avoid danger or damage during operation.
- **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.
- **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 product is not to be used by persons such as children, those with reduced physical, sensory or mental capabilities, or those who lack experience and knowledge of the product, unless they have been given supervision or instruction. Children should be advised not to play with the products.
- Do not allow children to play with fixed controls. Keep the product away from children. Frequently examine the installation for imbalance, signs of wear or damage to cables, springs and fixings. Do not use if repair or adjustment is necessary.
- **Do NOT** operate when maintenance, such as window cleaning, is being carried out in the vicinity.

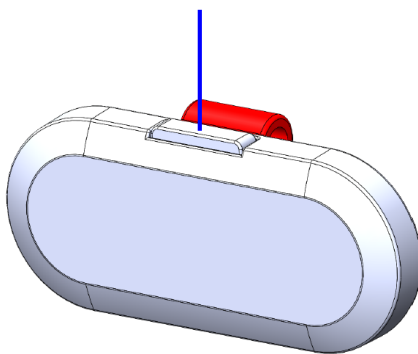
Installation & Parts Description



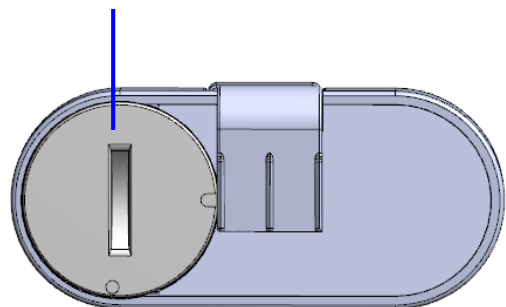
Step.1 Align the module hook with bottom rail and fix it on the rail.

Step.2 Refer to “Setup & Operation” section to operate the shade with the module.

Button & LED Indicator

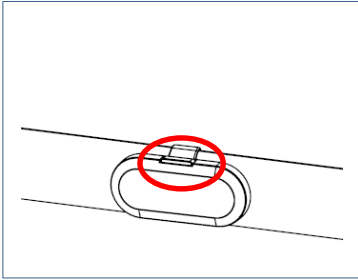


Battery Cover



Setup & Operation

Power ON / OFF



Power ON

Hold the module button for 3 seconds and the green light will flash 4 times.

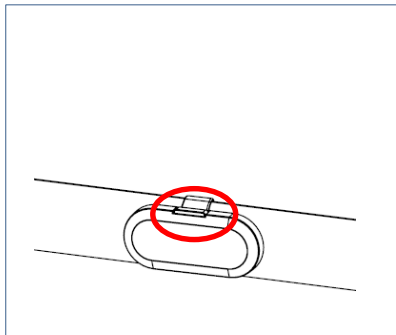
Power OFF

Hold the module button for 3 seconds and the red light will flash 4 times.

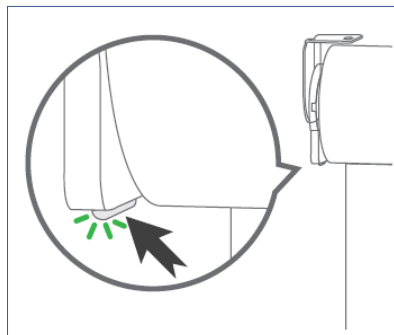
Pair shades with a Jam Protection module

The shades are already paired with the module, If needed, please follow the steps to re-assign the shades to another module.

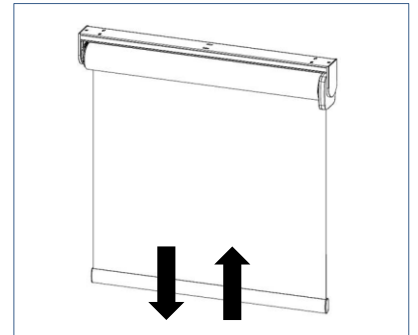
IMPOTANT! Please pair only one shade to the module.



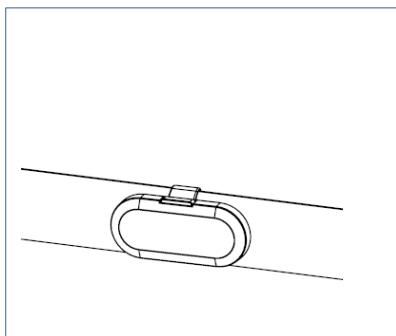
Press the module button 3 times to enter Pairing mode. The green light will start flashing.



Press the shade button 3 times to enter Pairing mode.



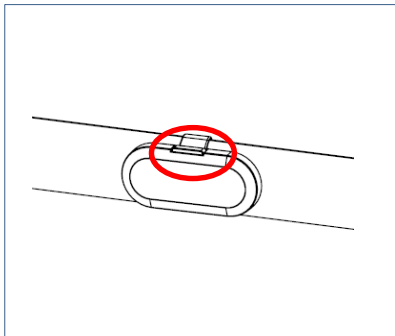
The shade will move up and down to indicate successful pairing. The green light will stop flashing.



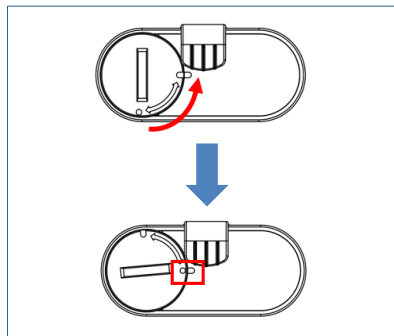
The module will leave Pairing mode. The LED will stop blinking.

Battery Replacement

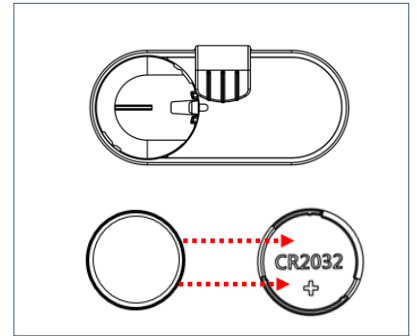
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- The battery type for GSM1 is CR2032.
- The battery voltage of CR2032 for GSM1 is 3V.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 50°C or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.



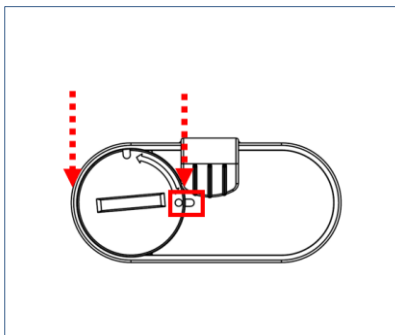
Power-off the module and remove it from bottom rail of the shade.



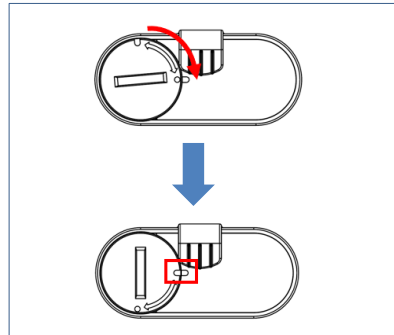
Use a coin to rotate and open the battery cover.



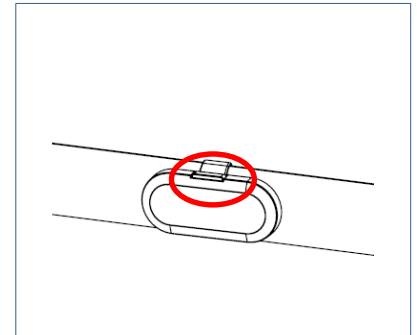
Place a new battery into battery cover with positive (+) side facing down.



Match the dot on cover with the mark on module to properly position the cover.



Use a coin to rotate and lock the battery cover in place.



Re-Install the sensor to bottom rail of the shade and power it on.

Setup & Operation

Calibration

STEP 1. Press the button 8 times to enter Setup mode (green light illuminates).

STEP 2. In Setup mode, press the button 2 times (green light blinks).

STEP 3. The module will execute calibration.

Note: Please make sure the module stays stable and still during calibration.

Clear Pairing Data

STEP 1. Press the button 8 times to enter Setup mode (green light illuminates).

STEP 2. In Setup mode, press the button 6 times (green light blinks).

Hardware Reboot

STEP 1. Hold the button for 10 seconds until the red light illuminates.

STEP 2. The module will reboot.

Specification

NO.	Item	Specification
1	Power Source	3V CR2032
2	Radio type	2.4G RF
3	Frequency band(s)	2415~2459MHz
4	Maximum Transmit Power EIRP	<10mW
5	Operating Temperature	0°C/32°F ~ 40°C/104°F
6	Relative Humidity	0% ~ 90% (Non-condensing)

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

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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.

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.

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.

Safety Instructions for Lithium batteries

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.

WARNING

Ingestion

Keep away from children.

Keep the battery away from 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.

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.

Safety Instructions for Lithium batteries

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.

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.