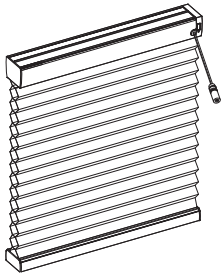
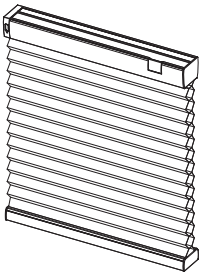


MOTORIZED CELLULAR SHADE MANUAL



(MCS1-A for AC Adapter)




(MCS1-B for Battery)

NO.	Item	Specification
1	Power Source	MCS1-A: AC Adapter MCS1-B: Li-ion Battery
2	Input	MCS1-A: 100-240V, 50/60 Hz MCS1-B: 24V, 1.5A Max
3	Output	MCS1-A: 24V, 1.32A Max. MCS1-B: 10.89V, 1.65A Max.
4	Radio type	2.4G RF
5	Motor type	Brush DC motor
6	Charging type	Power Charger PB-01S Power Charger PB-02
7	Charging Time	< 2 hours
8	Charging Temperature	5°C ~ 35°C / 41°F ~ 95°F
9	Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
10	Relative Humidity	0% ~ 90% (Non-condensing)
11	MCS EIRP	1.95 dBm
12	Ave. Sound Level @1m	≤ 50 dBA

SAFETY PRECAUTIONS

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

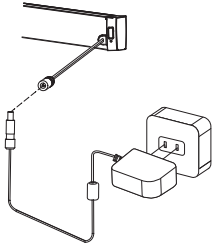
- **WARNING!** Important safety instruction: It is critical for your safety and the safety of those around you to follow these instructions. Save these instructions.
- **WARNING!** The device shall be disconnected from its power source during cleaning, maintenance and when replacing parts.
- The products may contain Lithium-ion batteries; the battery contains flammable materials such as organic solvents. Please read the Important Safety Precautions before using the product.
- 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 Power Charger, Remote Control, Hub, and Repeater are designed to be used with : authorized 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. (When the Hub is installed)
- **WARNING!** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance ( UHVUA3036-240015SA).
- **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.
- **DO NOT** operate the shade or swing the Power Charger while charging.
- 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 remote controls 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.
- **IMPORTANT:** Please reserve space for connecting the Power Charger while installing the shade, please refer to “Read Before Installation” Section for more information.

READING BEFORE INSTALLATION

▲ **WARNING!** Important safety instructions. Follow all instructions since incorrect installation can lead to severe injury.
Before installing the device, remove any unnecessary cords or components and disable any equipment not needed for powered operation.
▲ **WARNING!** The installation height will vary according to product type or installation situation and may exceed 2.5m.

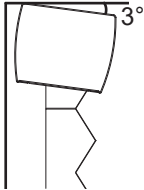
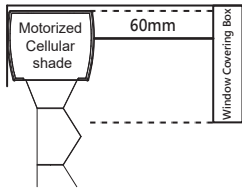
Reserve space before installation :

For Model# MCS1-A : Make sure to provide proper accessibility to an electrical outlet.
▲ **IMPORTANT!** Wiring and servicing of these products should be referred to qualified personnel.



For Model# MCS1-B : with built-in Li-ion battery pack and charging accessories.
▲ **IMPORTANT!** Please reserve a space of minimum depth 60mm for connecting the Power Charger before you install this model.

▲ **IMPORTANT!** Please mount the shade bracket horizontally and ensure the installation is not defective, or it may fail to charge the shade with a Power Charger. The shade system installation allows a Maximum 3° tolerance of deflection.






TOOLS YOU WILL NEED

- Level
- Measuring Tape
- Pencil
- Power drill (6mm hex driver and drill bit)
- Screwdriver



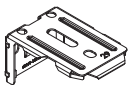
You will need to use the following fasteners for your particular mounting surface.

Surface	Fastener
Wood	Screws (Provided) 
Drywall/Plaster	Wall Anchors, Expansion Bolts (Not Provided) 
Metal	Sheet Metal Screws (Not Provided) 

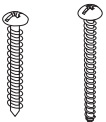
GETTING STARTED

Check Standard Components/Hardware:

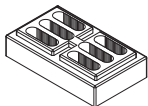
Installation Bracket



Installation Bracket Screw

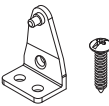


Spacer (Optional)



With spacer block Screw

Hold Down Bracket (Optional) & Its Screw

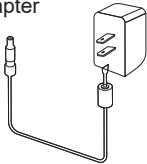


Hardware Standard Quantity:

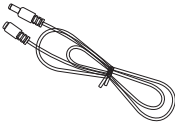
Order Width (X)	X ≤ 64" (1625mm)	64" < X ≤ 112" (1625mm) (2844mm)	X > 112" (2844mm)
Installation Bracket	2	3	4
Installation Bracket Screw	4	6	8
Spacer Block (Optional)	Vary per order request: 1pc / bracket or 2pcs/bracket		
Hold Down Bracket (Optional)	2	2	2
Hold Down Bracket Screw (Optional)	4	4	4

Check Components for MCS1-A for AC Adapter:

36W AC Adapter



Extension Cable, 2M (Optional)



Check Components for MCS1-B for Battery:

Power Charger/ 36W AC Adapter (Optional)



Model#PB-01S
(with battery)



Model#PB-02
(without battery)

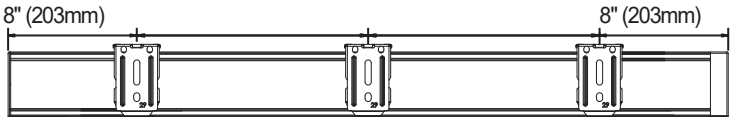
MOUNTING INSTALLATION BRACKETS

The installation bracket may be used for **INSIDE** or **OUTSIDE** mounts.

Mounting the brackets level is essential for proper operation of the shade.

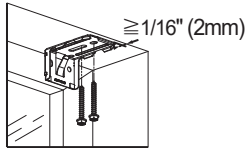
Shim the brackets if necessary to achieve a level alignment. The bracket requirements and placement are the same for inside

Measure 8"(203mm) from both ends of the headrail. Mark the bracket location on the mounting surface. Proper alignment of brackets will make installation easier.

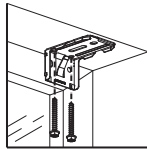


Inside Mount:

Align the front of brackets ≥ 1/16"(2mm) to the edge of window opening as below drawing. Use two installation screws to secure brackets. Use wall anchors for drywall or plaster wall.

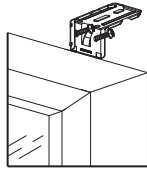


* For shallow mounting, use 2pcs of flat head screws to secure the bracket as below

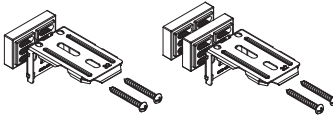


Outside Mount:

Use two installation screws to secure brackets. Use wall anchors for drywall or plaster wall.

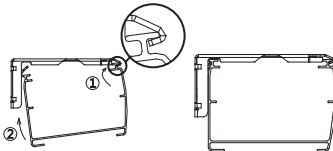


Note: If spacer block is required, please follow this guide:
Please always make sure the raised side of the spacer block is against the bracket.



Install the Shade:

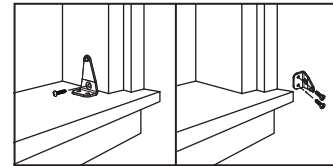
Position the head rail at an angle so that it is hooked to the front of the bracket. Then push it upward at the back to snap into the bracket.



Install Hold Down Bracket (Optional):

A.For Hold Down Brackets.

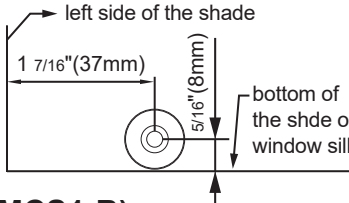
Use screw to secure each bracket.



Inside Mount Outside Mount

B. For Magnetic Hold Down

Use M3x15mm screw to secure the magnet catch at the below location. Make sure the magnet catch align with the pre-installed magnet on shade bottom rail.

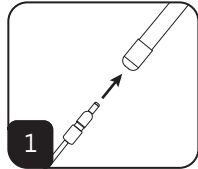


CHARGE THE SHADE (MCS1-B)

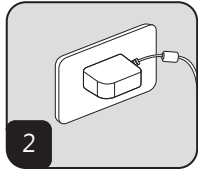
▲ **WARNING!**

- Please DO NOT operate the shade or swing the Power Charger while charging.
- Please recharge your shade every 3-6 months to ensure optimal performance of batteries.
- Please only use the 36W AC Adapter included with this product. If using the extension cable, please DO NOT bend or twist the cable to avoid product damage or raise safety concerns.
- Please charge the shade before use!
- For Power Charger(PB-01S), please DO NOT use it to charge the shade while it is being charged/plugged into the outlet.

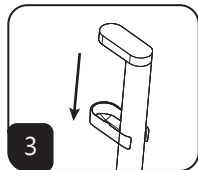
Charge the Shade by Power Charger (PB-02 without Battery)



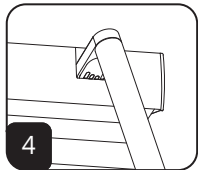
1 Plug the DC connector of adapter into the power charger.



2 Plug the 36W AC Adapter securely into wall outlet.

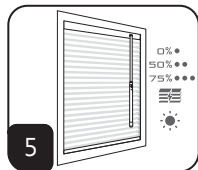


3 Remove Dust Cover from Power Charger.

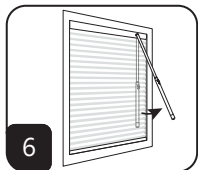


4 Align and insert the Charging Connector to Charging port to charge the shade.

▲ **WARNING! DO NOT release the power charger from you hand until it's inserted securely to avoid damage or personal injury caused by falling.**



5 When the green light of power meter of shade started flashing, it indicates it's charging. When the 'shade' is fully charged, the green light stays on and stop flashing.



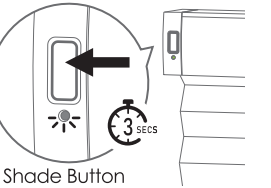
6 After charging, to detach and disconnect the Power Charger, and lift it slightly and then remove it from the shade.

After charging, please store the 36W AC Adapter, Extension Cables, Power Charger and other accessories for later use.

Charge the Shade by Power Charger (PB-01S with Battery)
Repeat the same step 3 ~ 6 of the section **“Charge the Shade by Power Charger (PB-02)”** to charge the shade.
After charging, please recharge Power charger (PB-01S) for next use.

SHADE OPERATION

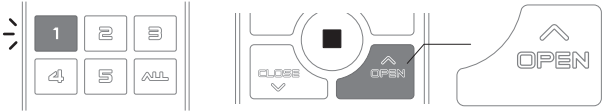
For Shade model# **MCS1-A** for AC Adapter: the shade will power on as soon as the power is connected.
For Shade model# **MCS1-B** for Battery: Press and hold the shade button for 3 seconds and the green light will flash for power on before operation.



Press and hold the shade button for 3 seconds and the red light will flash for power off when necessary.

Operate the Shade by Remote Control:

Select the group of the shade, press OPEN to move shade to fully open.



Select the group of the shade, press CLOSE to move shade to fully closed.



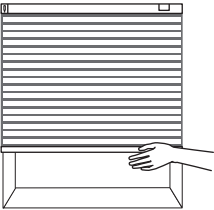
Select the group of the shade, press ^ or v to adjust shade location.



■ : Stop the shade ▲ : Move to Best View
▲ : Move to Best Privacy ☆ : Move to My Favorite

One-Touch Function to Operate the Shade:

When remote is out of reach, the shade can be operated by One-Touch function.



Lift bottom rail to move the shade downwards when the shade is still.

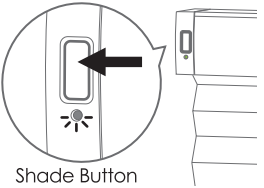
Lift bottom rail to stop the shade while the shade is in motion.

Lift bottom rail again to move the shade upwards.

Operate the Shade by Shade Button:

When remote is out of reach, the shade can be operated by Shade Button.

Press the shade button to lower down the shade when the shade is still.
Press the shade button to stop the shade while the shade is in motion.
Press the button again to raise up the shade.



REMOVE THE SHADE

Fully raise the shade, and then gently remove the bracket off the headrail with a flat screwdriver. Remove the shade.

TROUBLESHOOTING

Problems	Possible Cause	Description
No reaction upon operation	No Signal	Operate the shade by a remote and check the light 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 the remote group lights works normally, or replace new batteries.
	Low battery of shade,model# MCS1-B	Please use power charger to charge the shade.
	The shade is not paired with the remote	Press and hold the paired group button,and check if the shade responds. Shade response as shiftx1 means it has been paired. Shade no response means it need to be paried first. Please refer to Remote Control Manual" for pair steps.
	Exposure to High Temperatures	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 specification for applicable operating temperature.
	The limits are not fully setup.	Press ▲/▲ on remote to operate the shade and check if the shade light blinks green and the shade works normally. If not, 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! Top and Bottom limits must be setup for full function of the shades.
Limits Shift	Other Problems	Re-power ON: Hold the shade button for 3 seconds to power ON/OFF the shade. 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 customer service for further assistance.
	Abnormal power failure	Abnormal power failure may cause a shift of limits, please refer to "Remote Control Manual" to set up limits again.
	Others	Please contact customer service for further assistance.

SAFETY INSTRUCTIONS FOR LITHIUM BATTERY

The product may contain lithium-ion batteries; the battery containsflammable 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.