

Tubular Motor for Electric Roller Blinds Operation Manual

SS4006-R22



- Thank you for purchasing this product.
- To protect your rights , please contact the distributor for the warranty °
- In the warranty card, be sure to fill the date of purchase and distributor's name °

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Safety Precautions

- Before using this product , please read the manual carefully.
- After reading , please keep this manual properly for future reference.
- In this manual, the precautions indicated as Warnings and Cautions. Please observe the following precautions to ensure safety.



Warning

This indicates " Possible death or serious injury may occur ".



Caution

This indicates " Possible injury or material damage may occur ".



Caution

To reduce the fire risk of electric shock or product damage:

- Do not expose the equipment to rain,moist,water dripping or water splashing environment; and do not place objects fully filled with water next to the equipment.
- Do not disassemble this equipment.
- Do not use any power supply with a voltage not complying with the rated voltage of the equipment.
- If there is any abnormal condition or when it needs repair,please contact your distributor or the original dealer.



Caution

1. The appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction
2. Children being supervised not to play with the appliance.
3. Do not allow children to play with fixed controls. Keep remote controls away from children.
4. Important safety instructions. Follow all instructions, since incorrect installation can lead to severe injury.

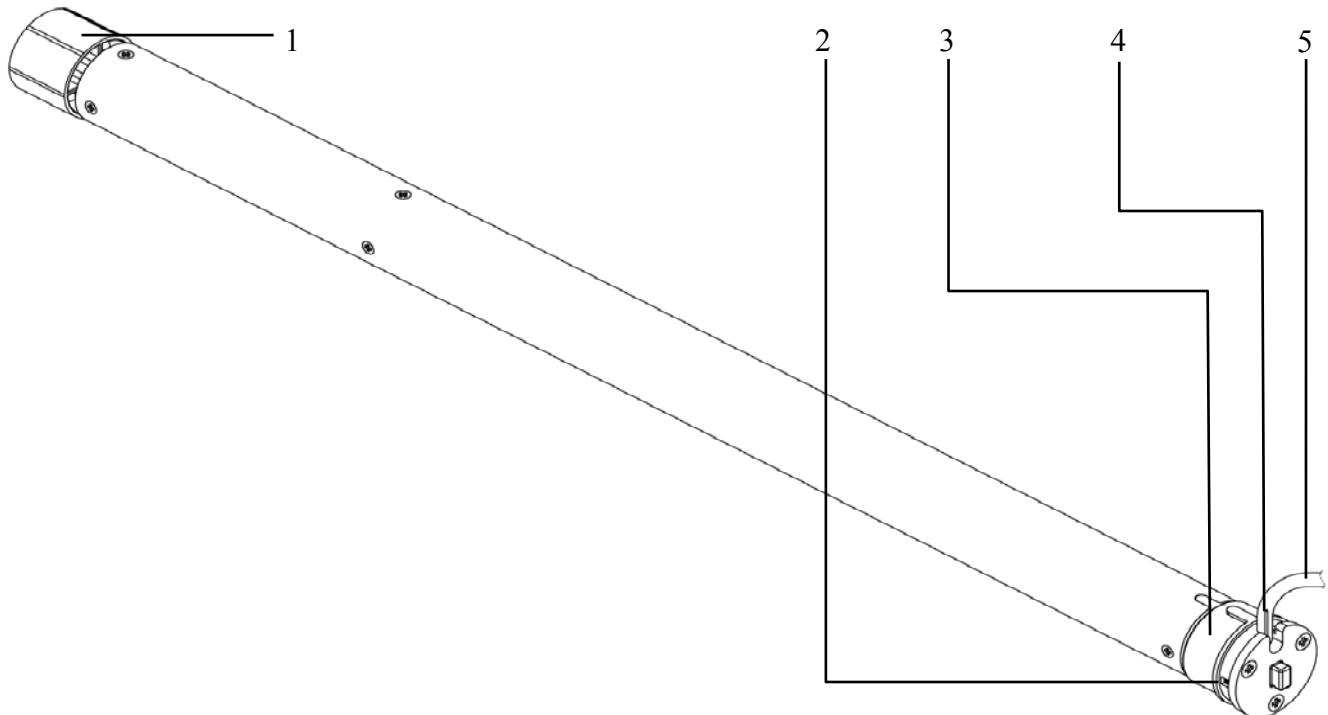
If you find any errors in this manual,or if you are not clear about the description in this manual,please contact the distributor . Thank you!

Accessories

- Before installing this product, make sure the package is supplied with a complete set of the following accessories:
 - Operation Manual × 1
 - SS4006-R22 Tubular Motor × 1
 - Mounting Bracket (with Screws) × 1 set
 - Idler Wheels (with Screws) × 1 set
 - Remote control (with Battery) × 1
 - Rack for Remote control × 1
- The shape of the AC power plug may be different if you purchased the product in different countries or regions.
- Either the equivalent products of the aluminum tubes selected by your local distributor or the aluminum tube specified in the drawing provided by our Company can be used for the roller blinds.
- If any part in the package is missing or lost, please contact your local distributor.

Name of Each Part

■ Tubular Motor



1. Driving Wheel:

- This is for connecting the Tubular Motor and the aluminum tube for the roller blinds so that the rotation of the motor may drive the aluminum tube for the roller blinds to rotate.

2. Code Button:

- The Code button is for setting the communication code between the Remote Control and the tubular motor.

3. Coronal Ring

4. Antenna:

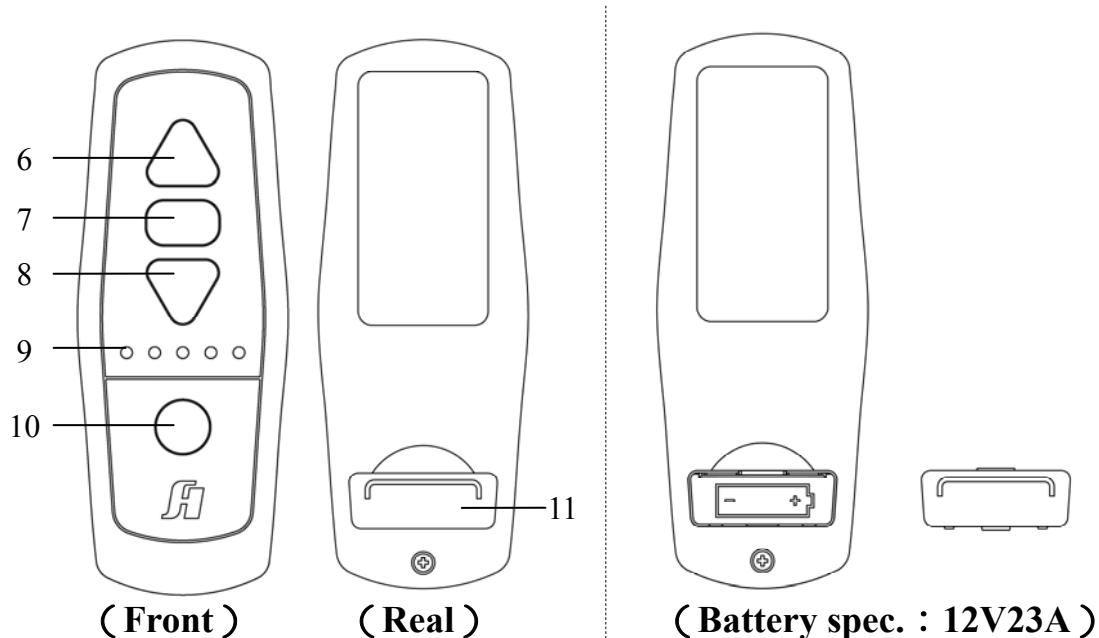
- The antenna is for receiving the instructions from the Remote Control.

5. AC Power Cord:

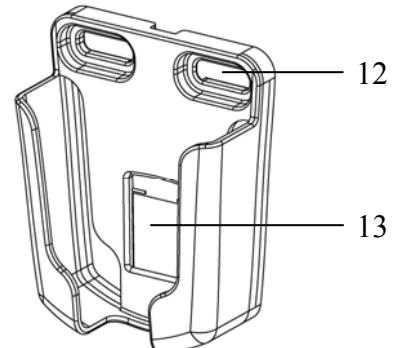
- The maximum allowed voltage is 300V.

Name of Each Part

■ Remote control



■ The seat of remote controller



6. Up button:

- It is for controlling the roller blinds to move upwards.

7. Stop button:

- It is for controlling the roller blinds to stop and switch between forward and reverse rotations. **(P.13)**

8. Down button:

- It is for controlling the roller blinds to move downward.

9. Channel indicators:

- It indicates the window number to be controlled – from the left to the right: 1, 2, 3, 4, 5; if all indicators are lit, it represents the group control.
- The cycle of the indicators is 1→2→3→4→5→all indicator lit (this is skipped in the Setting Mode)→1.

10. Channel Selection button:

- It is for selecting the window number to be controlled or for group control.

11. Battery cover:

- It is to prevent the battery from falling out.

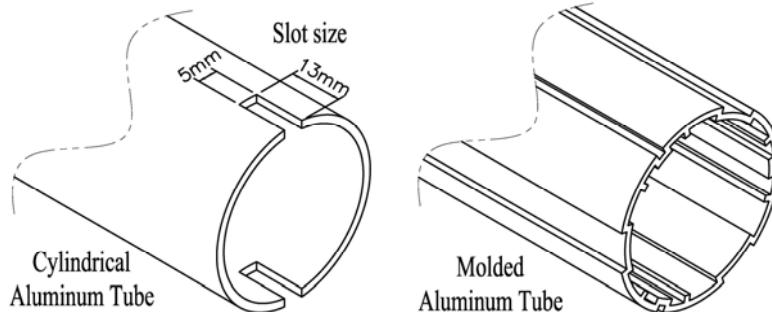
12. Screw Mounting Holes for the Remote Control Socket.

13. Remote Control Socket Mounting Hole for use with 3M Hook.

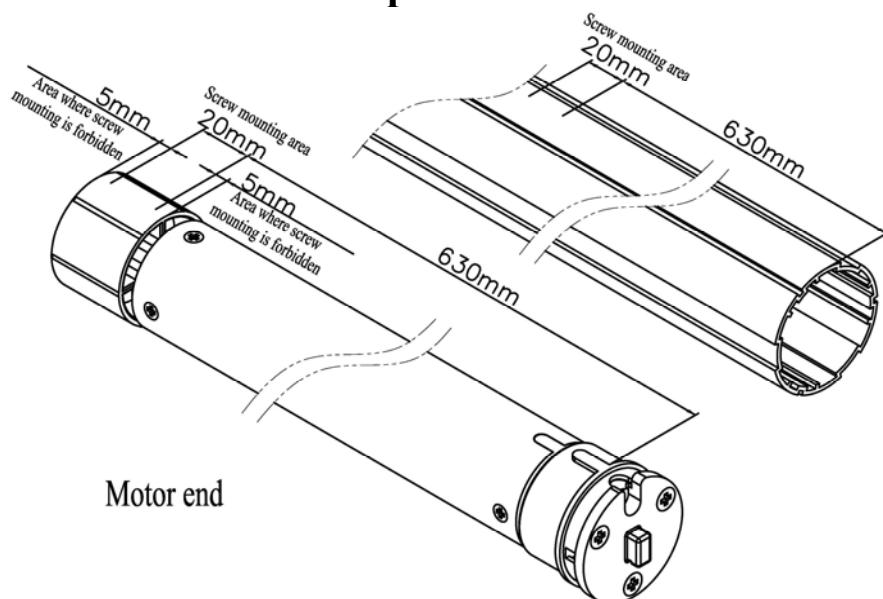
Installation

■ Installation of Electric Roller Blinds:

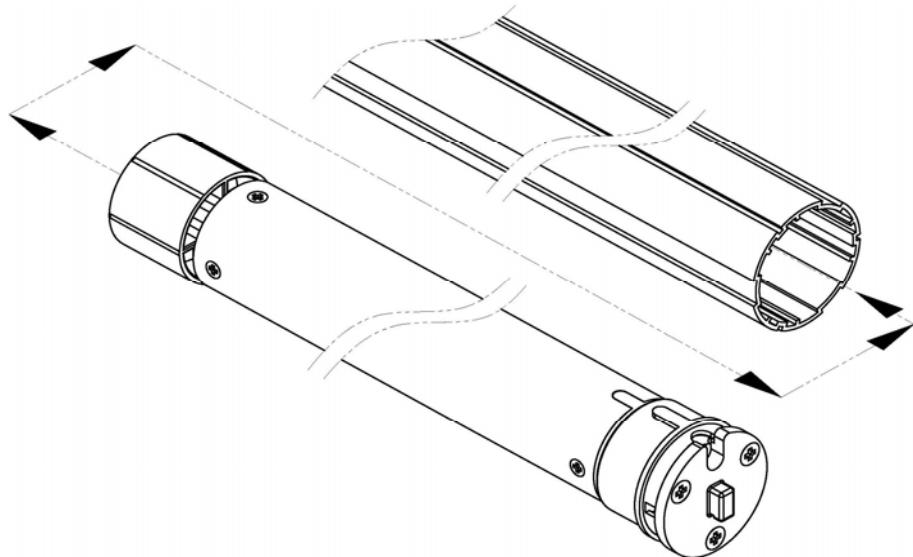
1. Select the aluminum tube for the roller blinds (inner diameter $\varphi 40$ mm):



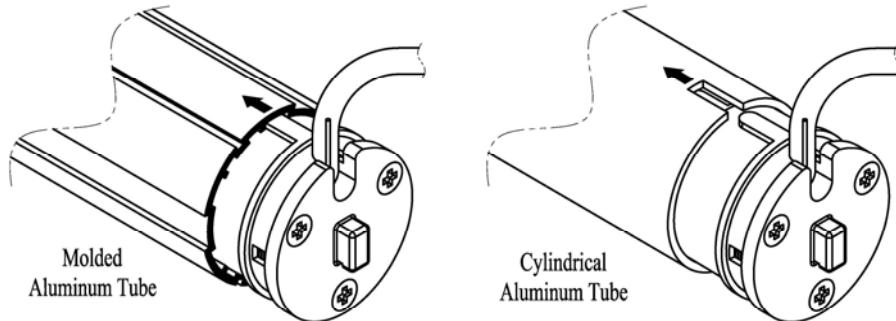
2. Measure the correct position at the motor end:



3. Inset the Tubular Motor:

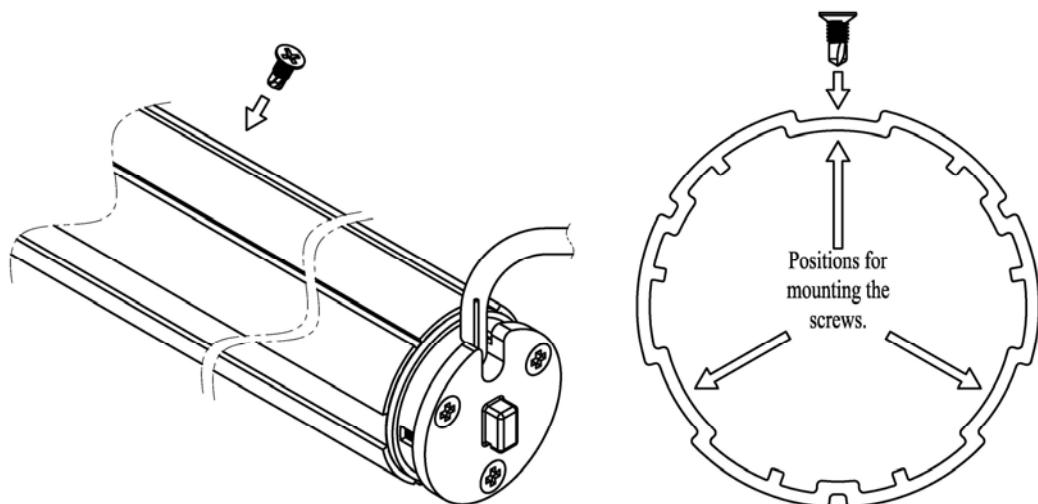


4. Position the Coronal Pin to the slot:

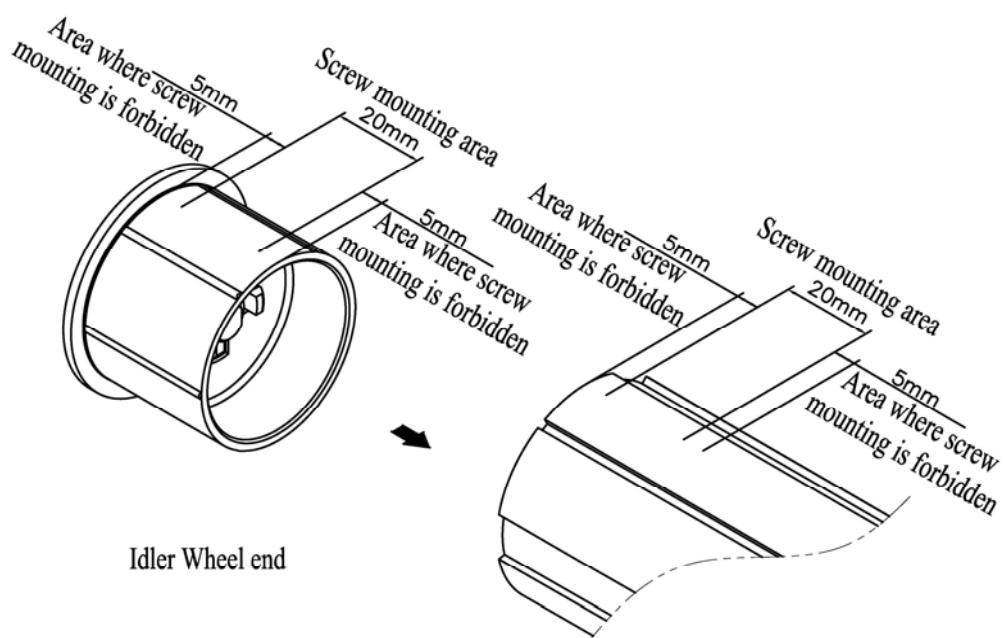


Position for inserting the Positioning Pin of the Coronal Ring

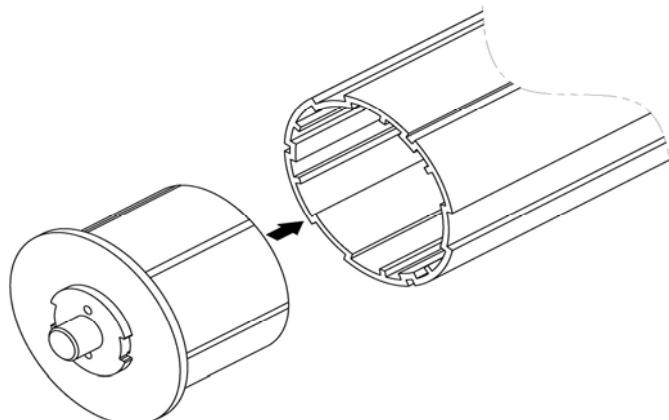
5. Fasten the tube at the motor end with screws:



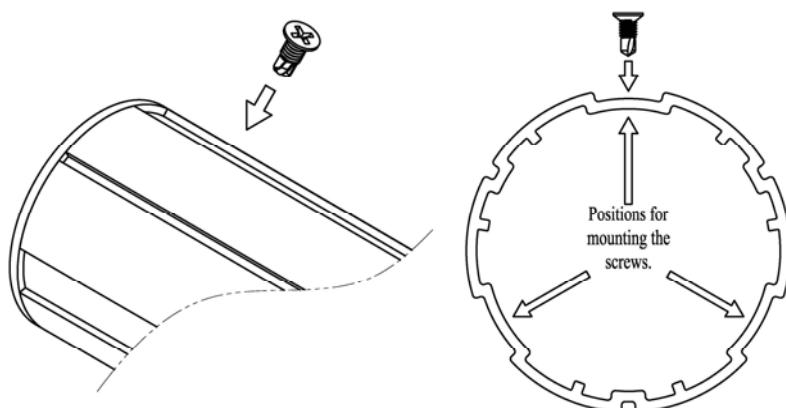
6. Measure the mounting position at the idler wheel end:



7. Insert the Idler Wheel assembly:



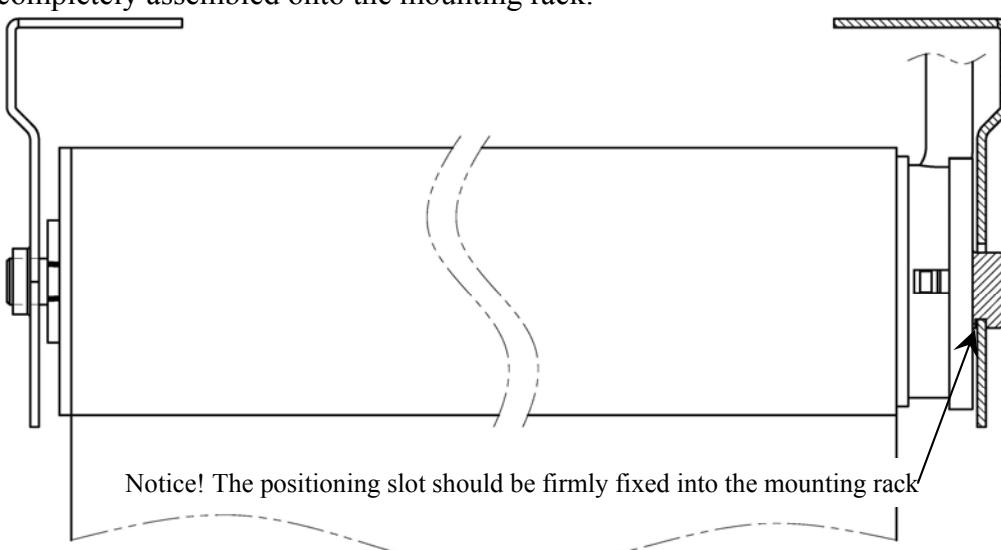
8. Fasten the tube at the Idler Wheel end with screws:



9. Install the Roller Blinds Fabric: Attach the mounting section of the roller blinds fabric smoothly on the aluminum tube for the roller blinds

10. Install the Bracket: Measure a suitable distance for installing the roller blinds rack to the target position (in the curtain box or on the wall).

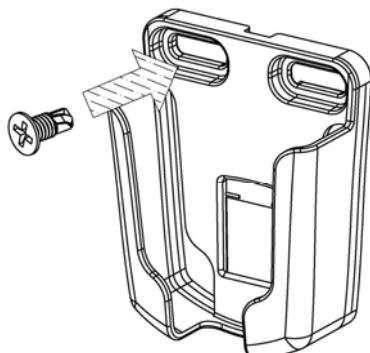
11. Install the Electric Roller Blinds: Install the Electric Roller Blinds that have been completely assembled onto the mounting rack.



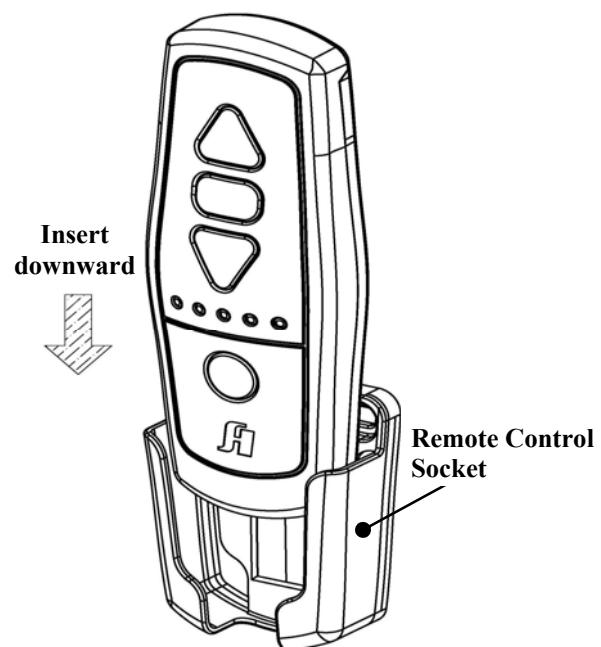
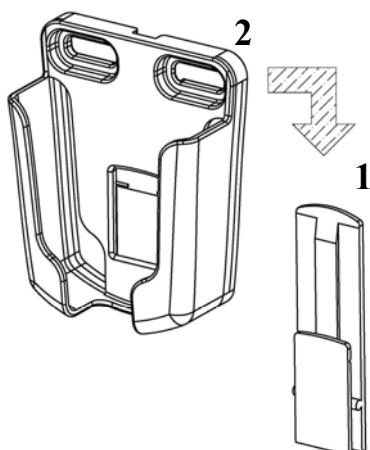
12. Install the Power Supply: Insert the plug into the power outlet before performing operation and settings.

■ Installation of the Remote Control Socket

- Method 1: Mount the socket with screws.



- Method 2: Mount the socket with a 3M hook.



1. Attach the hook mount on the wall with 3M adhesive tape.
2. Slip the Remote Control Socket into the hook mount.

※ Notice:

⊕ About the Remote Control:

- Please do not install the socket at a location that may be exposed to direct sunlight.
- If the Remote Control activates other electronic appliances, please contact the distributor.

⊕ Caution:

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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.

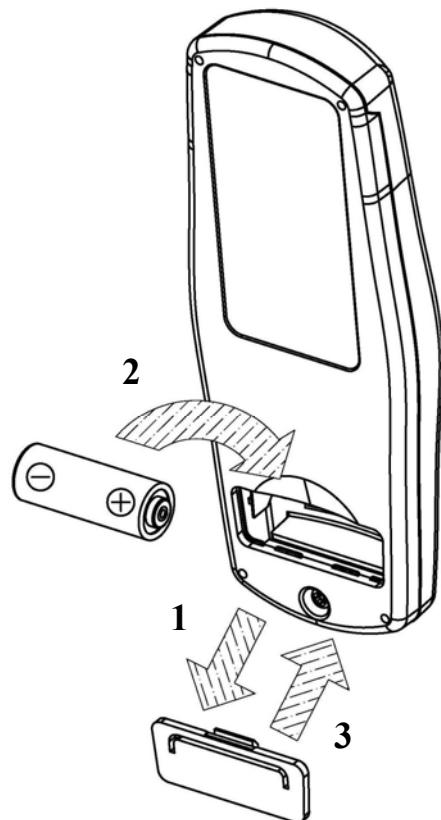
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment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

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

■ Install the Battery for the Remote Control



1. Open the Battery Cover
2. Insert the Battery(Notice the polarity $+$ / $-$)
3. Close the Battery Cover

※ Notice:

About the Battery

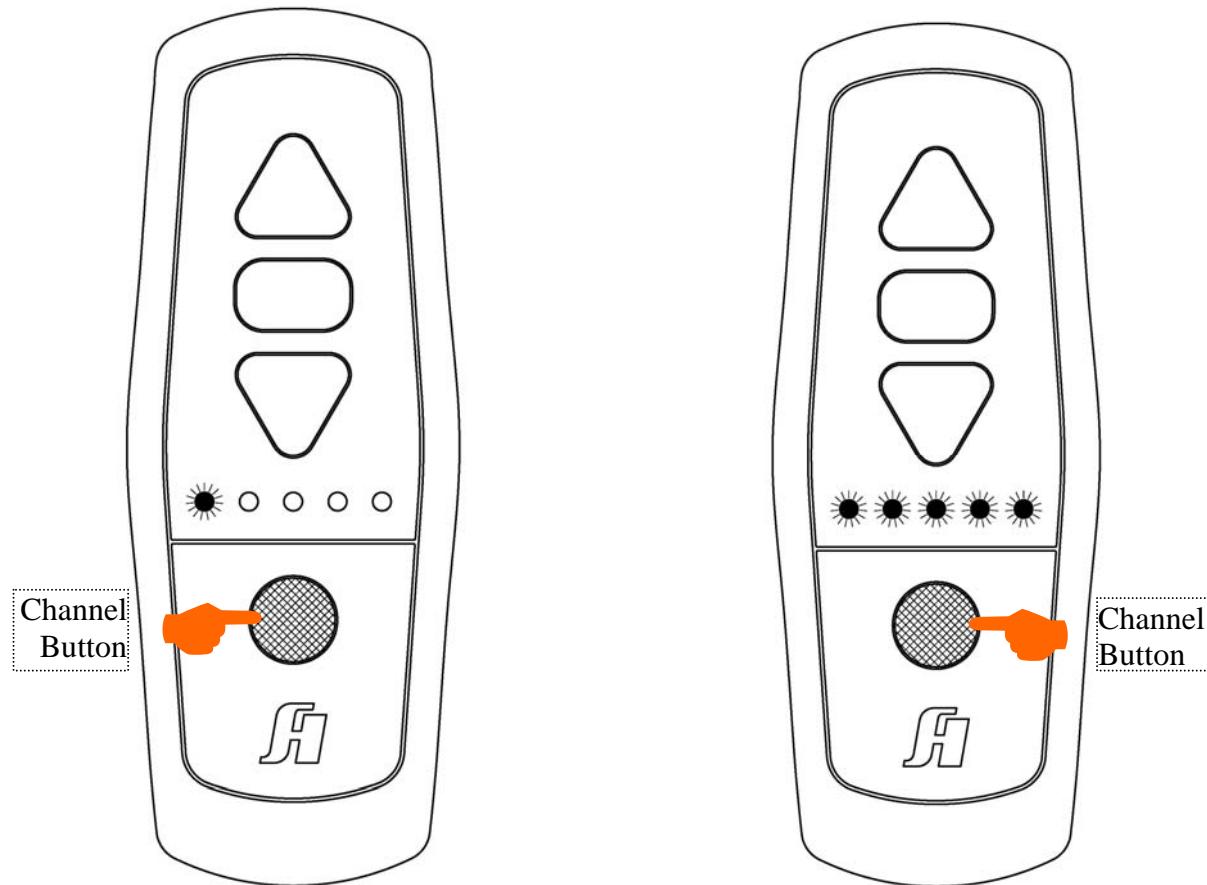
- The battery provided with the product is prepared for your initial use.
- For the battery replacement, please use a battery with the same specifications.
- If the remote control is not going to be used for a long time, please take the battery out.

Switch Settings and User Mode

1. To switch between operation modes should be achieved by the **[Remote Control]** operation.

2. Mode check:

- Press the **【Channel】** button several times. If all five LEDs are not lit at the same time, it is in the **【Setting Mode】** .
- Press the **【Channel】** button several times. If all five LEDs are lit at the same time, it is in the **【User Mode】** .



[Setting Mode]

Press the button 6 times or more,
and only each single LED is lit.

[User Mode]

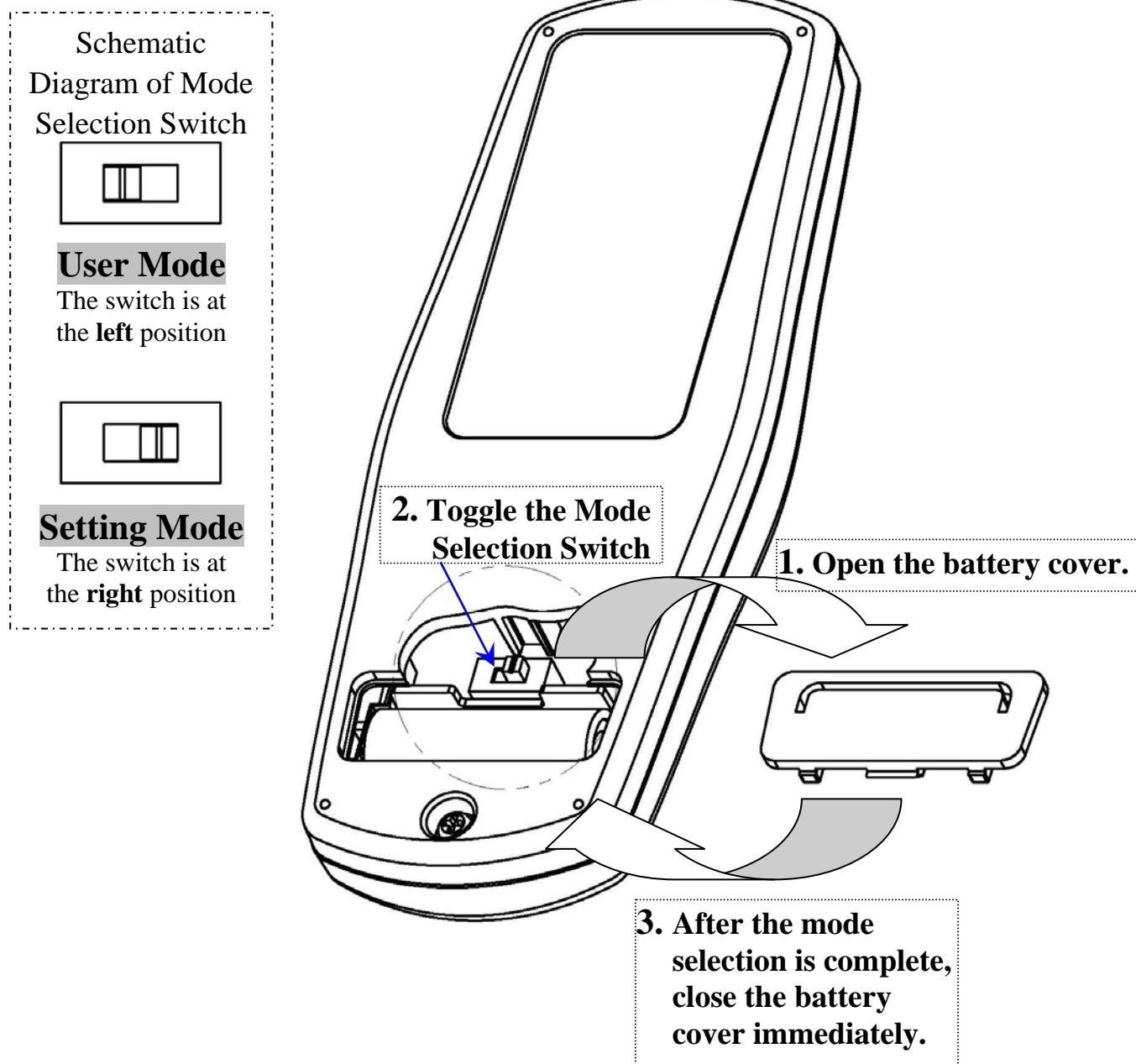
Press the button several
times to enter this mode.

3. Mode Selection Switch:

- Open the battery cover on the remote control.
- Toggle the **【Mode Selection Switch】** located above the battery.

Note: It is necessary to use a thin rod to toggle the switch.

- After finish toggling **【Mode Selection Switch】** , close the battery cover immediately.



※Notice:

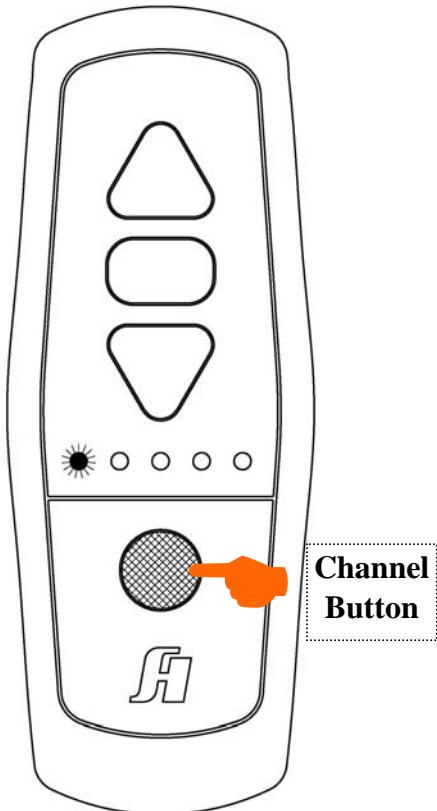
- Unless that the Electric Roller Blinds required re-setting, please keep the **【Mode Selection Switch】** in **【User Mode】** state.

Electric Roller Blinds and Remote Control Connection

1. Switch the Remote Control to **【Setting Mode】** (P12).

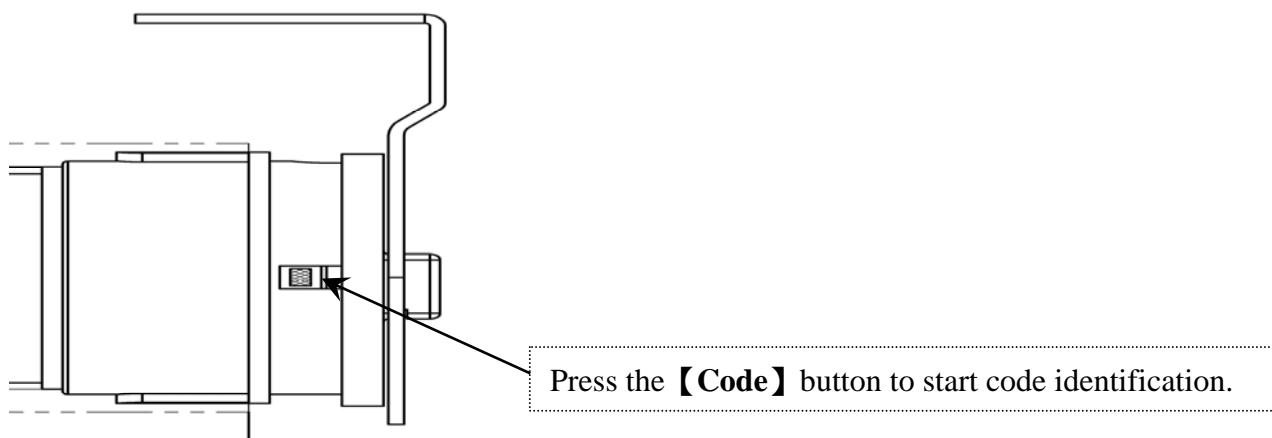
2. Channel Selection:

Press the Remote Control **【Channel】** button, to select Connection channel.

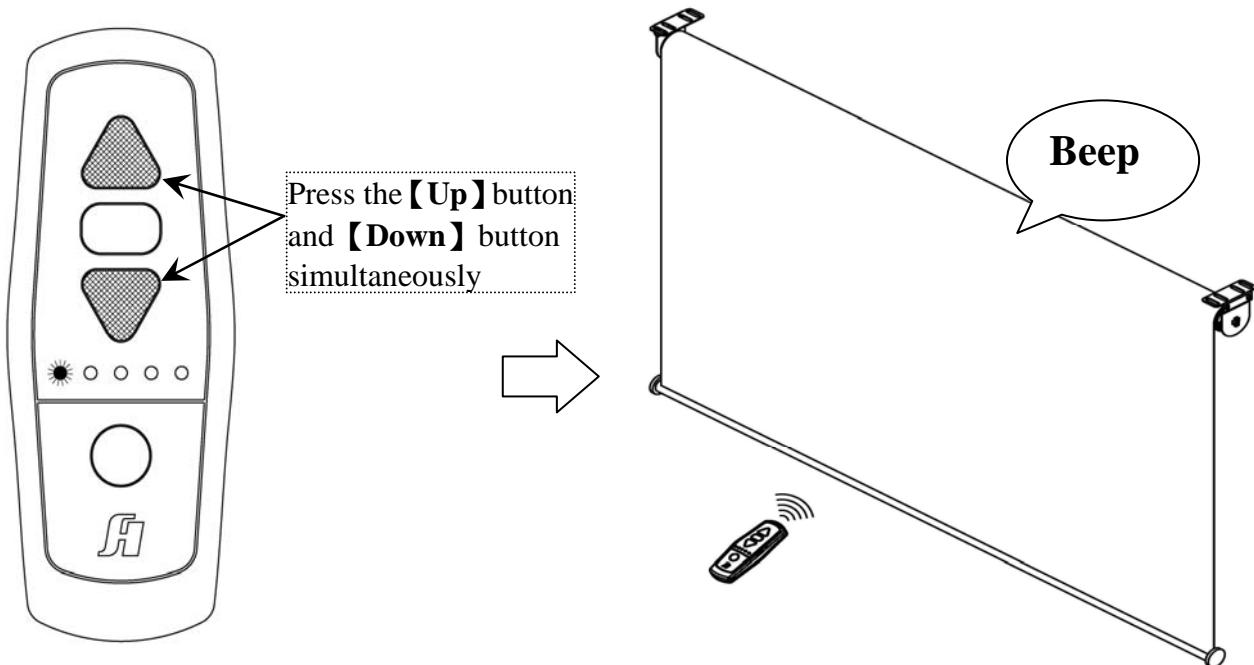


3. **Code:** To establish a connection between the Electric Roller Blinds and the Remote Control.

- Press the **【Code】** button on the Electric Roller Blinds.



- Press the **【Up】** button and **【Down】** button on the Remote Control simultaneously ; when the Electric Roller Blinds respond with a “**beeping**” sound, the code identification process is complete and it is now ready for you to use the Remote Control to control the Electric Roller Blinds.



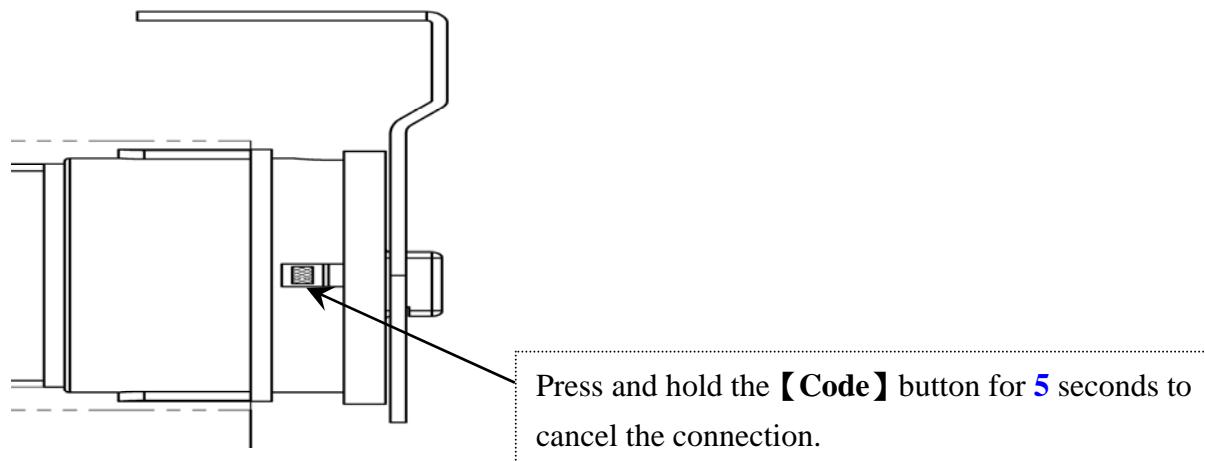
※Notice:

- Unless it is necessary to establish a connection for Electric Roller Blinds Connection again, please do not press and hold the **【Code】** button for more than **2** seconds.

Cancel Connection

1. Cancel Connection:

Press and hold the **【Code】** button on the Electric Roller Blinds for **5** seconds; when the Electric Roller Blinds respond with a “**beeping**” sound, its connection with the Remote Control is cleared.

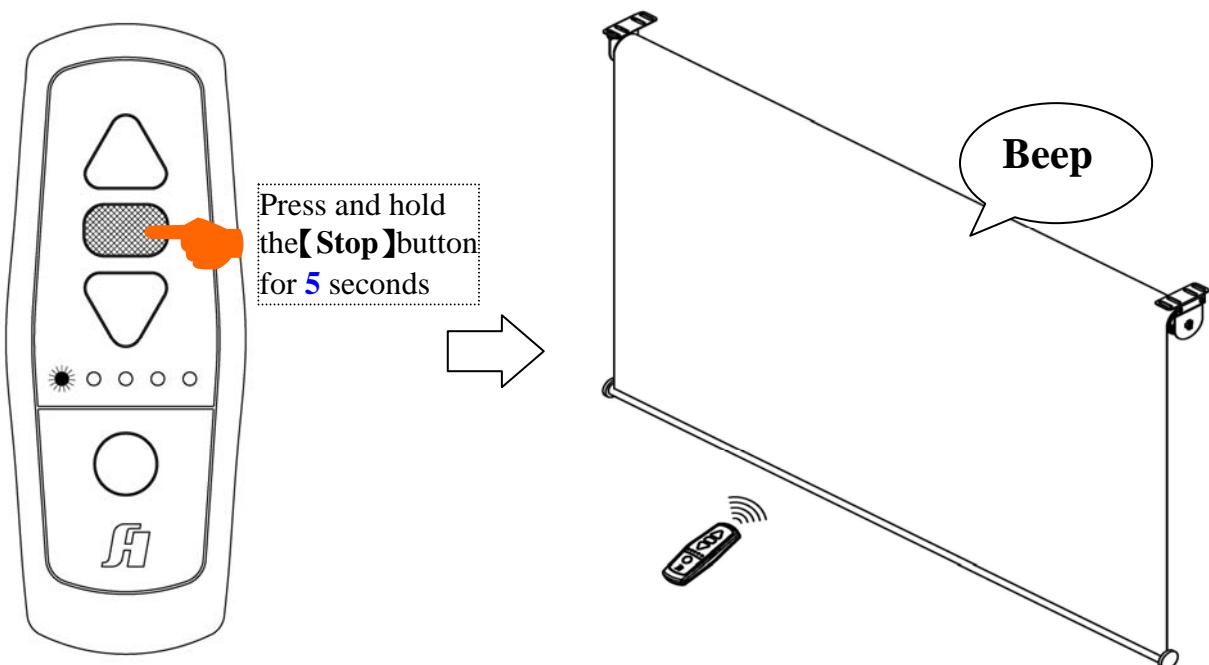


Switch Between Forward and Backward Rotations

1. Switch the Remote Control to **【Setting Mode】** (P12).

2. Switch Between Forward and Backward Rotations:

Press and hold the **【Stop】** button on the Remote Control for **5** seconds; when the Electric Roller Blinds respond with a “**beeping**” sound, the process for switching between forward and backward rotation is complete.



※Notice:

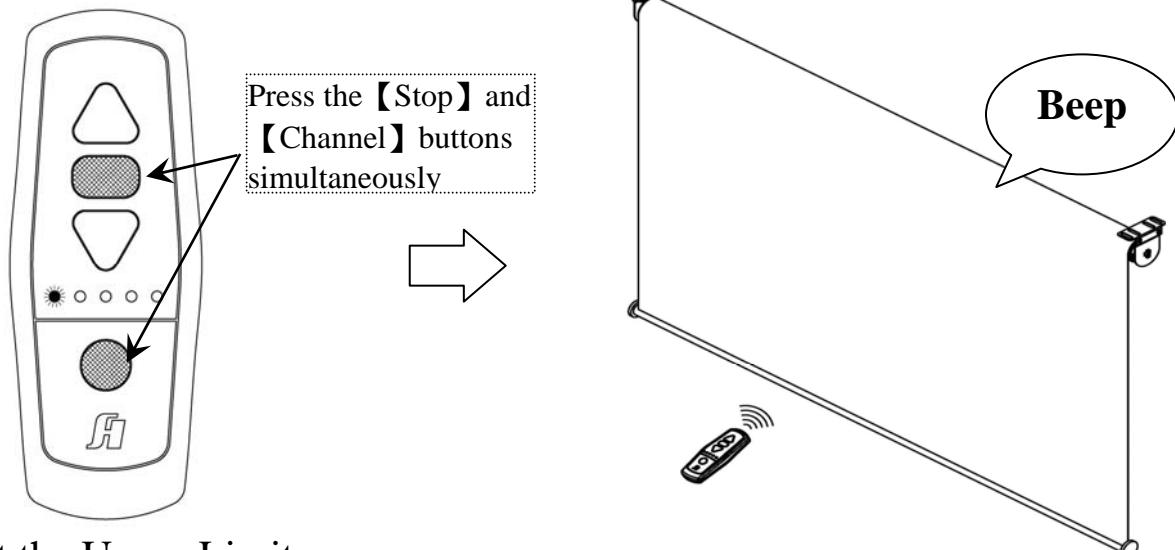
Unless it is necessary to change the rotation direction for the Electric Roller Blinds, please do not press and hold the **【Stop】** button for more than **2** seconds.

Set Upper/Lower Limit

1. Switch the Remote Control to **【Setting Mode】** (P12).

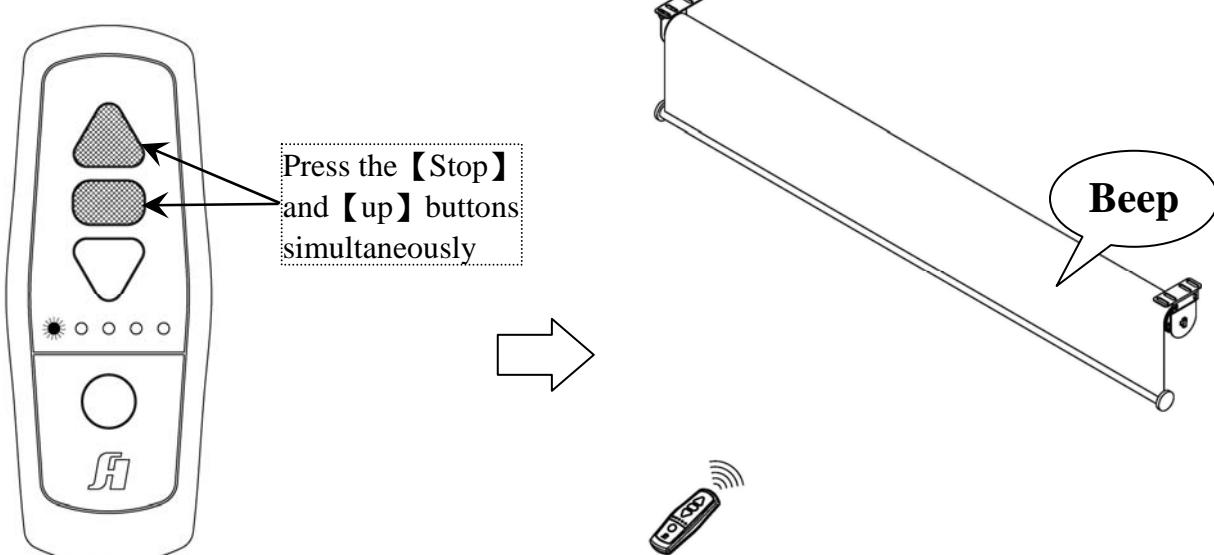
2. Enter the Upper/Lower Limit Setting:

- Press the **【Stop】** and **【Channel】** buttons on the Remote Control simultaneously; when the Electric RollerBlinds respond with a “beeping” sound, it enters the Upper/Lower Limit Setting Mode.



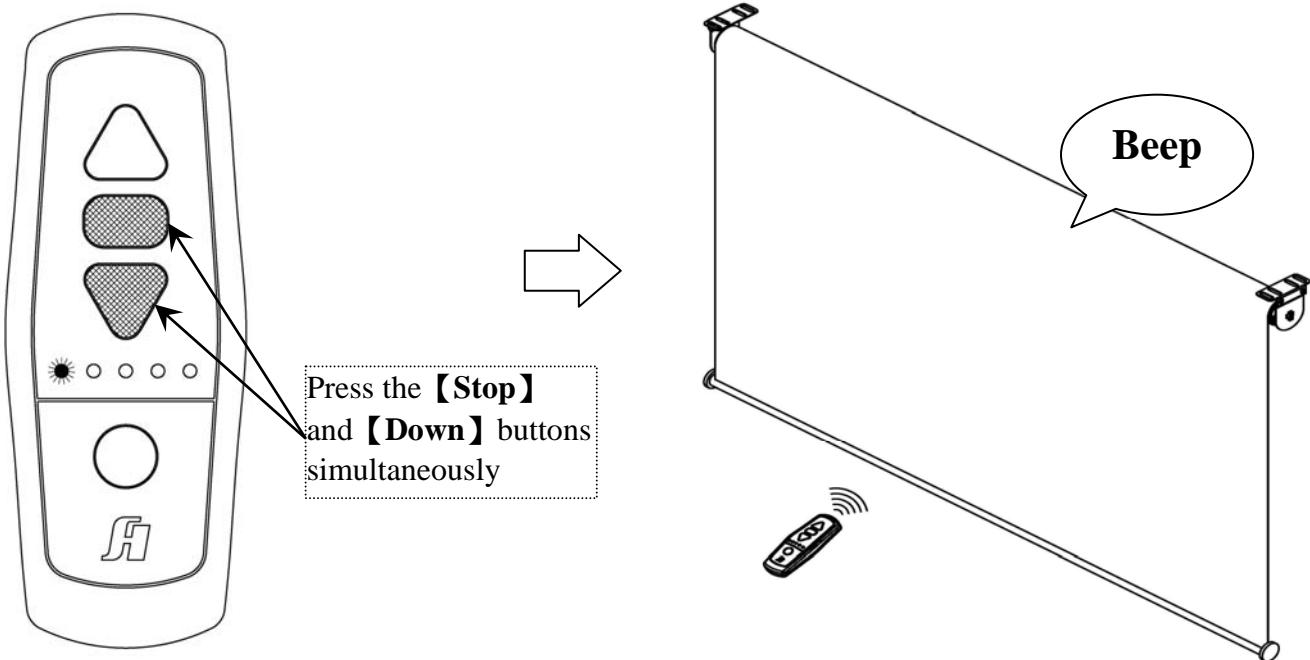
3. Set the Upper Limit:

- Use the Remote Control to allow the Electric Roller Blinds to rotate to the target position for setting the Upper Limit.
- During the operation of the Electric Roller Blinds, if the rotation direction is reversed, please perform the process **【Switch Between Forward and Backward Rotations】** (P16).
- Press the **【Stop】** and **【Up】** buttons on the Remote Control simultaneously; when the Electric Roller Blinds respond with a “beeping” sound, the Upper Limit setting is complete.



4. Set the Lower Limit:

- Use the Remote Control to allow the Electric Roller Blinds to rotate to the target position for setting the Lower Limit.
- Press the **【Stop】** and **【Down】** buttons on the Remote Control simultaneously; when the Electric Roller Blinds respond with a “**beeping**” sound, the Lower Limit setting is complete.



5. After the **『Step 4』** is complete, the Remote Control will exit the Setting Mode without receiving any commands from **『Steps 3&4』**.

6. If it is required to perform the setting process again, please repeat **『Steps 2~4』**.

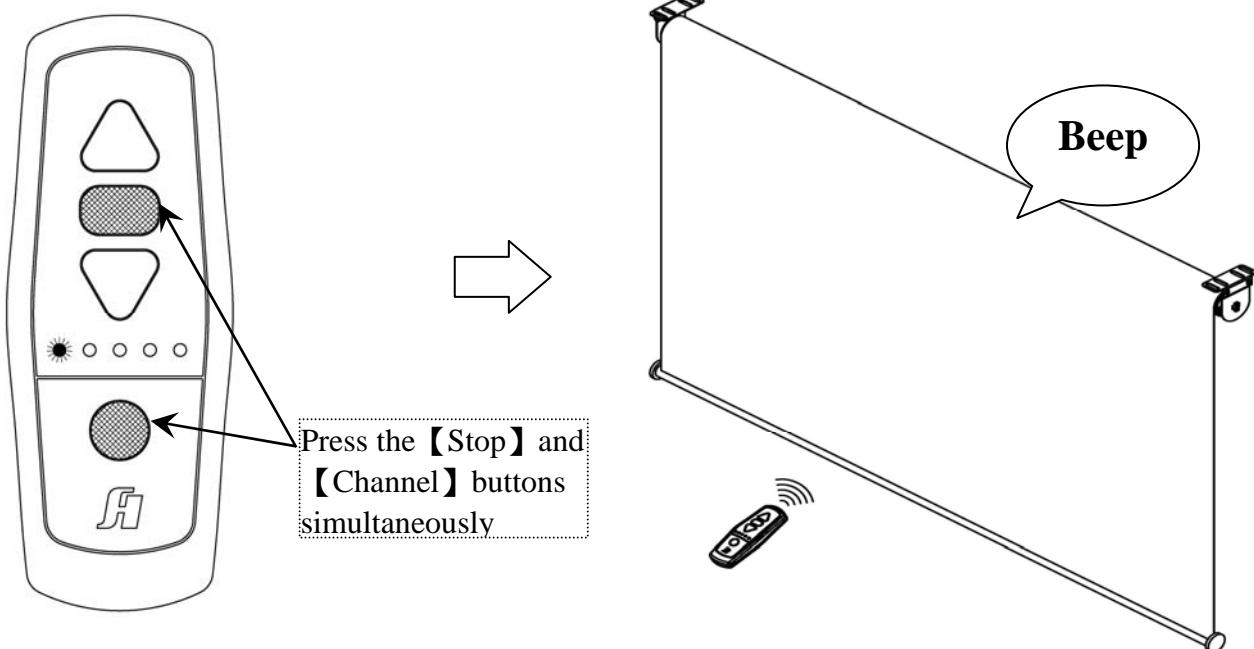
※Notice:

- ⊕ After the **【Upper/Lower Limit Setting】** is complete, please toggle the **【Mode Selection Switch】** back to **【User Mode】**.

Set the Preferred Position

1. Switch the Remote Control to **【User Mode】** (P12).
2. The user can set **2** Preferred Positions (excluding the Upper/Lower Limit).
3. **Set the Preferred Position:**

- Use the Remote Control to allow the Electric Roller Blinds to rotate to your Preferred Position.
- Press the **【Stop】** and **【Channel】** buttons on the Remote Control simultaneously; when the Electric Roller Blinds respond with a “**beeping**” sound, the Preferred Position setting is complete.



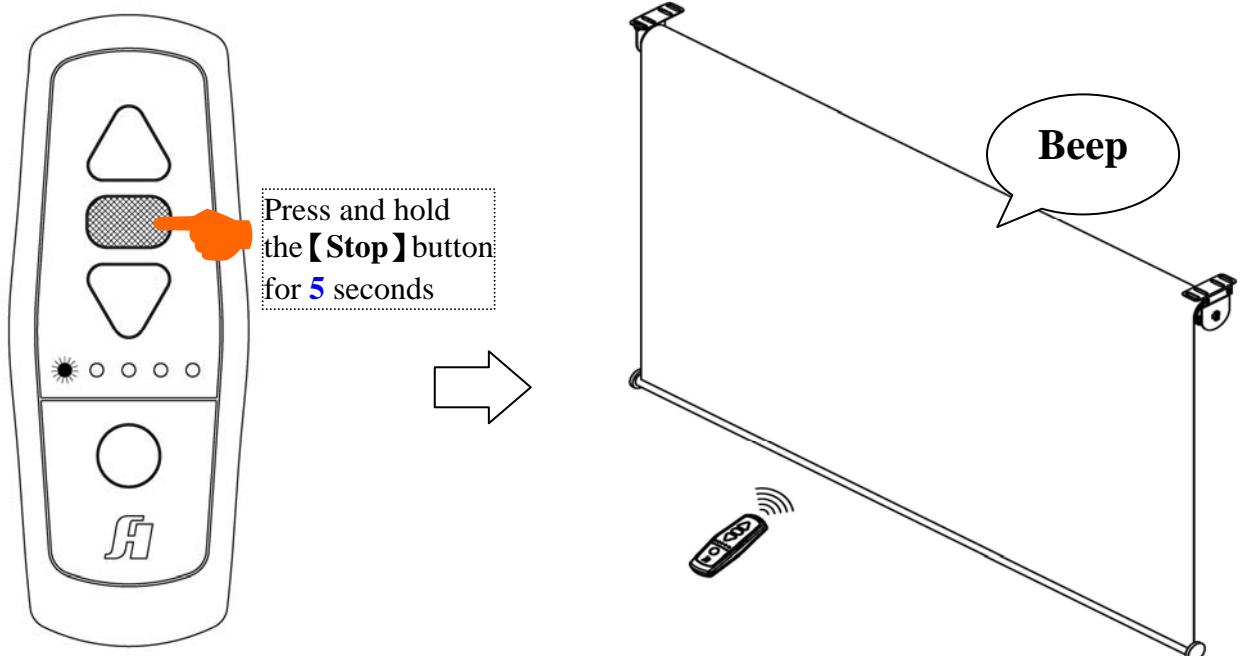
※Notice:

- Before setting the Preferred Position, please make sure that the **【Mode Selection Switch】** has been toggled to **【User Mode】**.

Cancel the Preferred Position

1. Cancel the Preferred Position:

- Use the Remote Control to allow the Electric Roller Blinds to rotate to the Preferred Position to be cancelled.
- Press and hold the **【Stop】** button on the Remote Control for **5** seconds; when the Electric Roller Blinds respond with a “**beeping**” sound, the Preferred Position is cancelled.



2. **Notice!** If **2** Preferred Positions are configured, the Electric Roller Blinds will not receive the command **【Set the Preferred Position】** any more.
3. If it is necessary to **【Change the Preferred Position】**, please cancel **one** of the preferred positions.

※Notice:

- Before cancelling the Preferred Position, please make sure that the **【Mode Selection Switch】** has been toggled to **【User Mode】**.

Command Quick Reference

<i>Command</i>	<i>Operations</i>	<i>Page</i>
Setting Mode	Toggle 【Mode Selection Switch】 to the right	P12~13
User Mode	Toggle 【Mode Selection Switch】 to the left	

Setting Mode

<i>Command</i>	<i>Operations</i>	<i>Page</i>
Code Identification	1.Press the 【Code】 button 2.Press the 【Up】 and 【Down】 button on the Remote Control simultaneously	P14~15
Cancel Connection	Press and hold the 【Code】 button for 5 seconds	P16
Switch Between Forward and Backward Rotations	Press and hold the 【Stop】 button on the Remote Control for 5 seconds	P17
Set the Upper / Lower Limit	<ol style="list-style-type: none"> Enter the Setting Mode: Press the 【Stop】 and 【Channel】 buttons on the Remote Control simultaneously. Set the Upper Limit: Press the 【Stop】 and 【Up】 buttons on the Remote Control simultaneously. Set the Lower Limit: Press the 【Stop】 and 【Down】 buttons on the Remote Control simultaneously 	P18~19

User Mode

<i>Command</i>	<i>Operations</i>	<i>Page</i>
Set the Preferred Position	Press the 【Stop】 and 【Channel】 buttons on the Remote Control simultaneously	P20
Cancel the Preferred Position	Press and hold the 【Stop】 button on the Remote Control for 5 seconds	P21

Troubleshooting

<i>Condition</i>	<i>Cause</i>	<i>Solution</i>
No reaction	No Power	Check the Power Supply
	Not connected with Remote Control	Perform the connection again (P14)
	Remote Control is running out of energy	Replace the Battery
	Remote Control is damaged	Contact the distributor for service.
	Motor is damaged	Contact the distributor for service.
Connection and Code Identification Fail	No Power	Check the Power Supply
	Remote Control is running out of energy	Replace the Battery
	Remote Control mode error	Switch the operation mode (P12)
	Remote Control is damaged	Contact the distributor for service.
	Motor is damaged	Contact the distributor for service.
No “beeping” sound during connection	No Power	Check the Power Supply
	Remote Control is running out of energy	Replace the Battery
	Buzzer is damaged	Contact the distributor for service.
	Remote Control is damaged	Contact the distributor for service.
Not be able to perform the setting operation	Remote Control is running out of energy	Replace the Battery
	Remote Control mode error	Switch the operation mode (P12)
	Remote Control is damaged	Contact the distributor for service.
	Motor is damaged	Contact the distributor for service.
No “beeping” sound during the setting operation	Buzzer is damaged	Contact the distributor for service.
After the setting is complete, it cannot rotate to the target position.	Motor is damaged	Contact the distributor for service.

Troubleshooting

<i>Condition</i>	<i>Cause</i>	<i>Solution</i>
Not able to set the Preferred Position	Remote Control mode error	Switch the operation mode (P12)
	Remote Control is damaged	Contact the distributor for service.
	Motor is damaged	Contact the distributor for service.
Channel indicator on the Remote Control is not lit	Remote Control is running out of energy	Replace the Battery
	Remote Control damage	Contact the distributor for service.
Not able to perform the multi-window control	Remote Control mode error	Switch the operation mode (P12)
	Remote Control is running out of energy	Replace the Battery
	Remote Control is damaged	Contact the distributor for service.

※ If the above conditions occur, it is necessary to contact the distributor for services.
Please do not disassemble the device by yourself.

Appendix

● *Product Specifications:*

■ **Tubular Motor:**

- ◆ **Power Supply (input):** AC 90~240V±10%; 50~60Hz .
- ◆ **Operating Voltage:** DC 27V.
- ◆ **Power Consumption:** Rating 32W.
- ◆ **Weight:** 1.4 kg.
- ◆ **Dimensions:** 660 mm (L) × 40 mm (Dia.).
- ◆ **Rotation Speed:** approx. 22 RPM.
- ◆ **Noise Level:** approx. 50 dB.
- ◆ **Torque:** approx. 6N-m (MAX: 20 kg).
- ◆ **Preferred load:** within 10 kg.
- ◆ **Warranty:** 5 years.

■ **Remote Control:**

- ◆ **5 channel multi-window control.**
- ◆ **Power Supply (input):** DC 12V / 23A(Battery).
- ◆ **Power Consumption:** \leq 5 mA.
- ◆ **Emission frequency:** 433.92MHz.
- ◆ **Code set:** more than 16 million sets.
- ◆ **Working distance:** 30~150 meters (may vary due to obstacles).
- ◆ **Warranty:** 1 year.

● **Patents:**

1. U.S. Invention Patent—
2. R.O.C. Invention Patent—96P00172-4375 (patenting)
3. R.O.C. Utility Model Patent—
4. China Invention Patent—4375-P-21797 (patenting)
5. China Utility Model Patent—



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