WSCMJ & WSCMI CURTAIN MOTOR INSTRUCTIONS p1

ALPHA SUPPORT PHONE (02) 4355 4775

1. TECHNICAL SPECIFICATIONS

a. WSCMJ-AC curtain motor (Fig.a)

AC input: AC220V/50Hz
Insulation Class: F
Protection Index: IP20
Radio Frequency: 433.92MHz
The motor can work with up to 15 remotes

b. WSCMI DC curtain motor (Fig.b)

DC input: DC9V-12.6V
Protection Index: IP20
Radio Frequency: 433.92MHz
The motor can work with up to 15 remotes

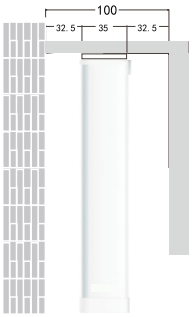
Fig.a:

Fig.b:

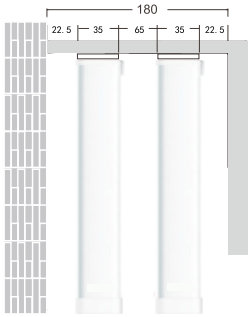
c. DCB005 - Portable power source for WSCMI (Fig.b)

Charge Voltage: DC16.8V (14V-18V)
Charge Current: 1A (max)
Output Voltage: DC9V-12.8V/200mAH
Output Current: 3.5A (max 5A)
Capacity: 25WH
Protection Index: IP50
Operating Temperature Range: -10°C - 60°C

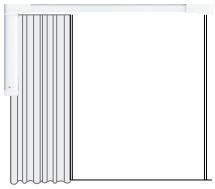
d. minimum space left for curtain box (single-shade)



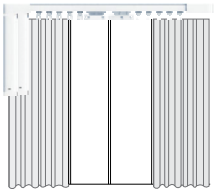
minimum space left for curtain box (double-shade)



A. Opened from one direction

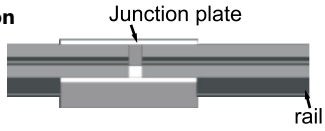


B. Opened from double directions



2. BELT & RAIL INSTALLATION

a. Rail Junction



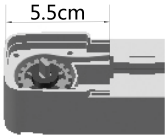
1. Insert junction plate along with rails to the joint of 2 rails.

NOTE: Rail junction is needed when rails are shorter than the requirement.
It's inconvenient to deliver long rail, so most people choose to cut them short, then use rail junction to recover the length.

2. For the following installation steps, refer to "B. Belt & Rail Installation".

b. Belt & Rail Installation

1. Aluminium track size determining.



The length of aluminium track = the length of entire rail (the length of transfer box x2

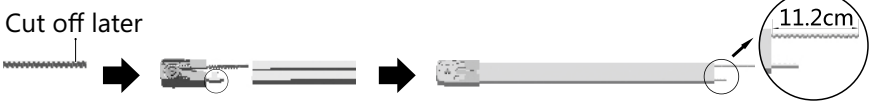
For example, the length of entire rail is 200cm
The length of aluminium track = 200-5.5x2=189cm

2.

Use a screwdriver to install gears into the transfer box and other accessories.

Install the 2 transfer boxes as the Fig. shows.

Insert belt.



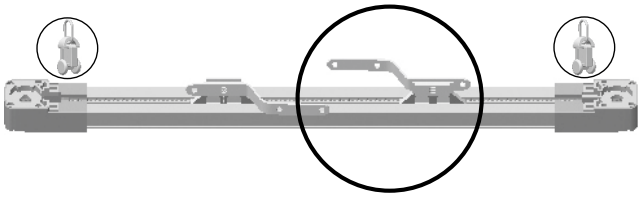
Install fix button into one end of the belt, install one of the carrier as Fig. shows, and put the rail into transfer box.

Move the carrier right to the end of the rail, and then fix it, making sure it is on the same level with the end of the aluminium track. Leave 11.2cm at the other end and cut off redundant.

3.

Separate the transfer box and the aluminium track, know the fix button and install carrier into the button.
Insert the left 11.2cm belt into another transfer box and knot the fix button.

4.



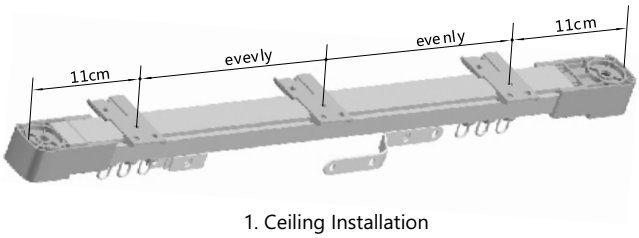
After installation of the 2 carriers, insert runners (8 pcs runner per metre)

The installation of runners is finished.

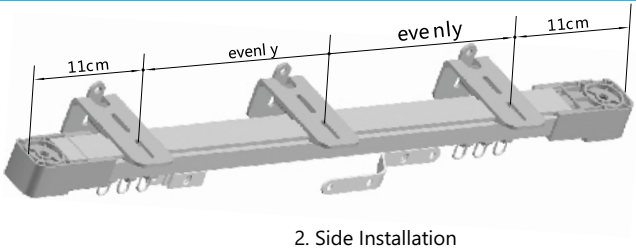
WSCMJ & WSCMI CURTAIN MOTOR INSTRUCTIONS p2

ALPHA SUPPORT PHONE (02) 4355 4775

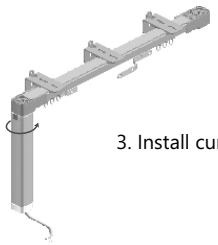
3. TRACK AND MOTOR INSTALLATION



1. Ceiling Installation

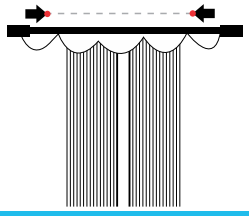


2. Side Installation



3. Install curtain motor and check whether it works.

4. TOUCH CONTROL FUNCTION

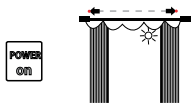


Gently pull the curtain fabric, it easily opens and closes.

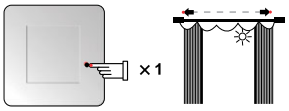
5. CODE LEARNING

WAY 1. POWER ON LEARNING

a. Single channel remote (RE204)

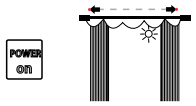


1. After installation, power on, curtain motor vibrates and power light is normally on.



2. When the power light is off, press learning button on remote once, the curtain motor will vibrate, you can control the motor by the remote.

b. Double channel remote RE206 (this remote has A & B channels, can control 2 receivers without interference).

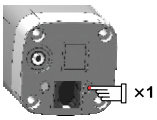


1. After installation, power on, curtain motor vibrates and power light is normally on.

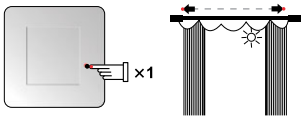
2. When the power light is off, short press the STOP button of A channel, and then short press learning button of remote once in 10s, you can control the motor by the A channel. So does B channel.

WAY 2. BUTTON LEARNING

a. Single channel remote (RE204)

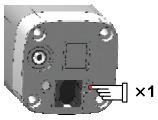


1. Press button on curtain motor once, power light off.



2. Press learning button of remote once, the curtain motor will vibrate, you can control the motor by the remote.

b. Double channel remote RE206

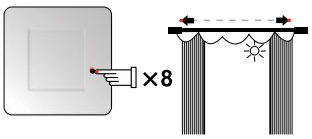


1. Press button on curtain motor once, power light off.

2. Short press the STOP button of A channel, and then short press learning button of the remote once, you can control the motor by A channel. So does B channel.

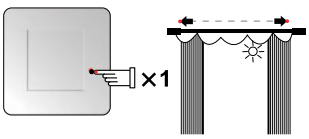
6. COPY

a. Single Channel Remote (RE204)



A

1. Short press the learning button of remote A 8 times, the motor will vibrate and the power light off.



B

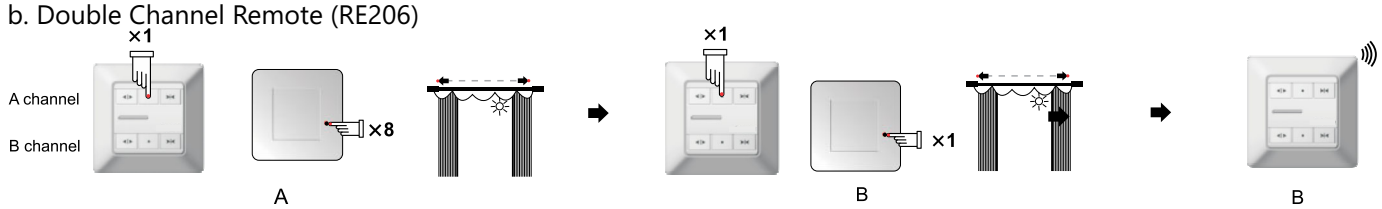
2. Short press the STOP button of remote B, the motor will vibrate.

B

3. You can now control the motor by remote B.

6. COPY (cont.)

b. Double Channel Remote (RE206)



1. Short press STOP button of A channel of remote A once, and then the learning button 8 times, the motor will vibrate and the power light off.

2. Short press the STOP button of A channel of remote B once, then the learning button, the motor will vibrate.

3. You can control the motor by A channel of remote B.

7. DELETE

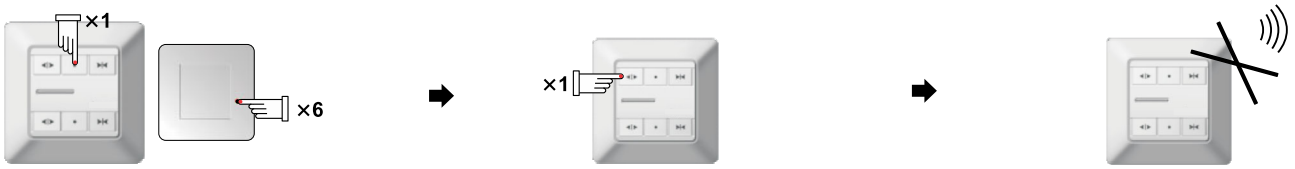
a. Single Channel Remote (RE204)

1. Short press learning button 6 times.

2. Short press left button once.

3. All remotes cannot control motor.

b. Double Channel Remote (RE206)



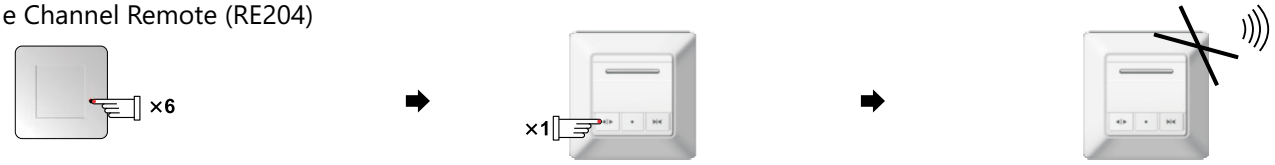
1. Short press STOP button of current channel once, and then learning button 6 times.

2. Short press left button once.

3. All remotes cannot control motor.

8. DELETE CURRENT REMOTE

a. Single Channel Remote (RE204)

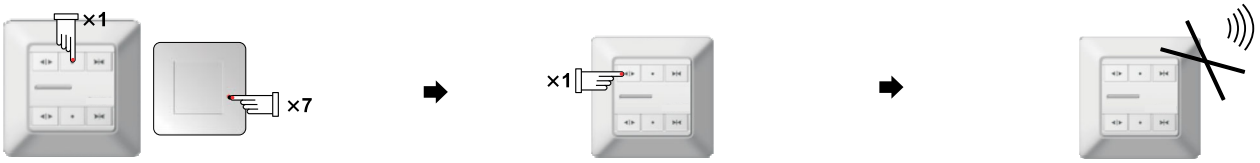


1. Short press learning button 7 times.

2. Short press left button once.

3. Current remotes cannot control motor.

b. Double Channel Remote (RE206)



1. Short press STOP button of current channel once, and then learning button 7 times.

2. Short press left button once.

3. Current remotes cannot control motor.

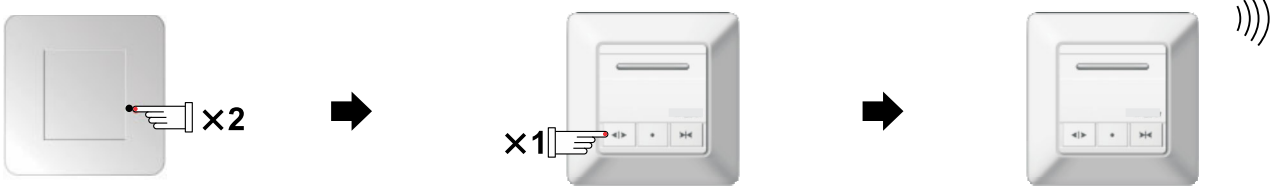
9. SET LIMIT

1. Automatically Set Limit Under the condition of no limit, when the motor first stops for an obstacle, it will automatically set open and close limits.

2. Set Limit by Remote

Set open limit

a. Single channel remote (RE204)

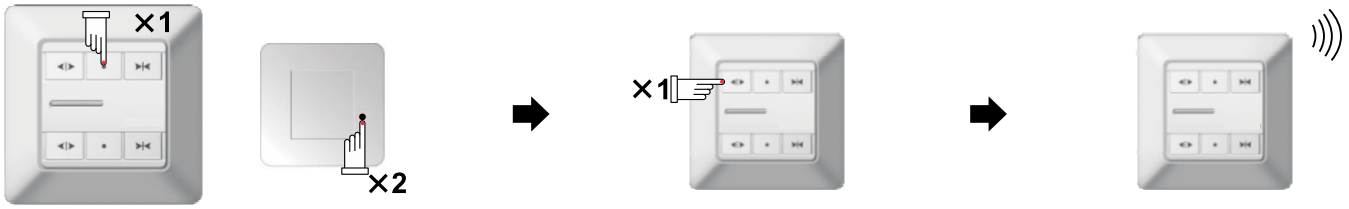


1. Short press learning button 2 times.

2. Short press left button once.

3. The open limit is set.

b. Double channel remote (RE206)



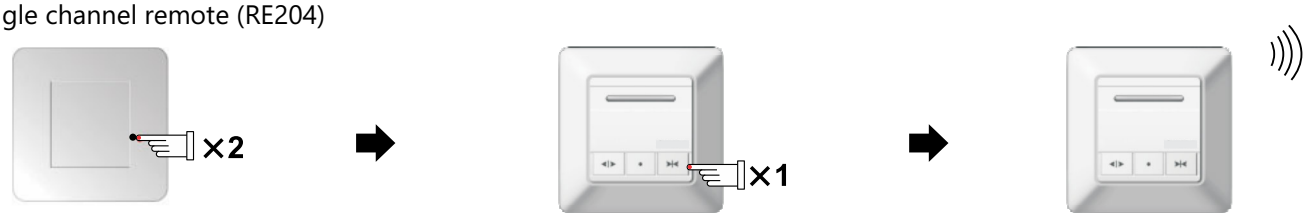
1. Short press STOP button of current channel once, and then the learning button 2 times.

2. Short press left button once.

3. The open limit is set. So does B channel.

2. Set close limit

a. Single channel remote (RE204)

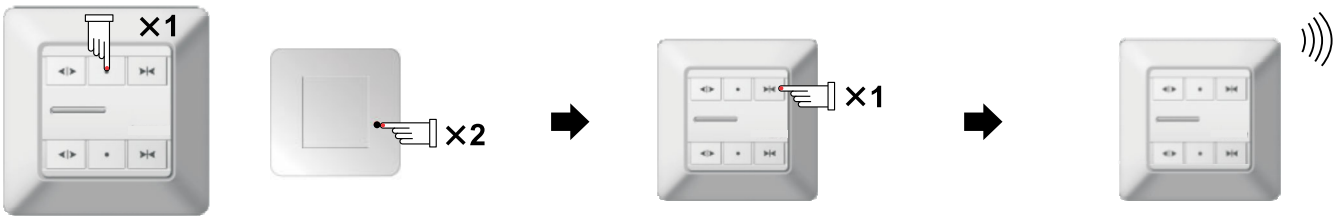


1. Short press learning button 2 times.

2. Short press right button once.

3. The close limit is set.

b. Double channel remote (RE206)



1. Short press STOP button of current channel once, and then the learning button 2 times.

2. Short press right button once.

3. The close limit is set. So does B channel.

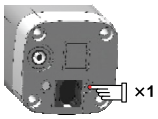
10. DELETE LIMIT

1. Automatically delete limit

Under the condition of limits already, if the motor encounters obstacles during operation, the original limit will be automatically deleted. When blocks again, it will reset the limit.

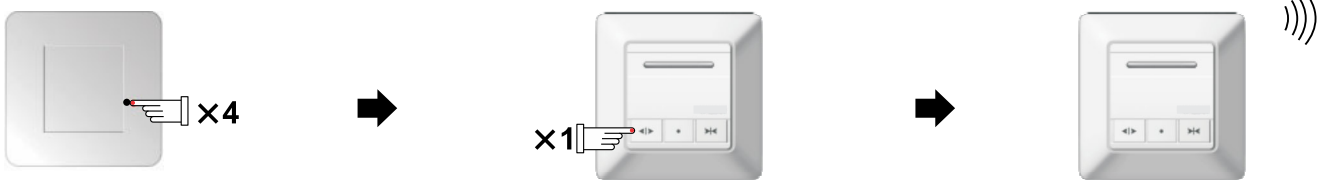
2. Delete limit by button

Long press the button as Fig. shows, the original limit will be automatically deleted.



3. Delete limit by remote

a. Single channel remote (RE204)

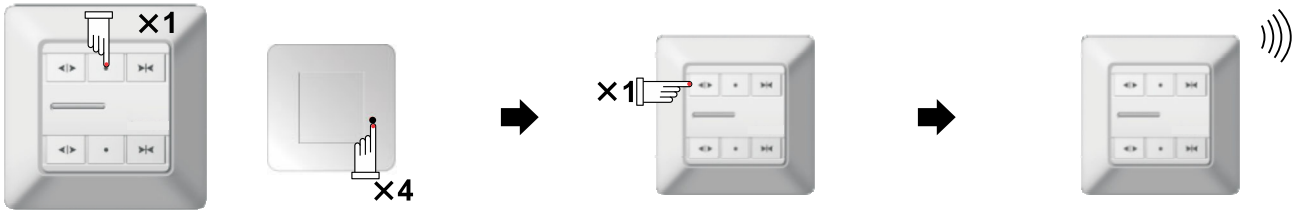


1. Short press learning button 4 times.

2. Short press left button once.

3. The open limit is deleted.

b. Double channel remote (RE206)



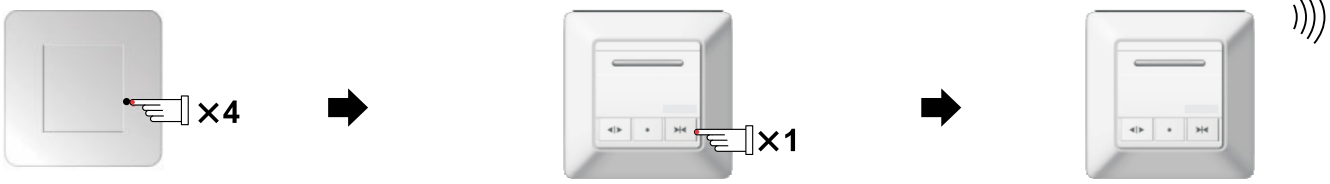
1. Short press STOP button of current channel once, and then the learning button 4 times.

2. Short press left button once.

3. The open limit is deleted. So does B channel.

2. Delete close limit

a. Single channel remote (RE204)

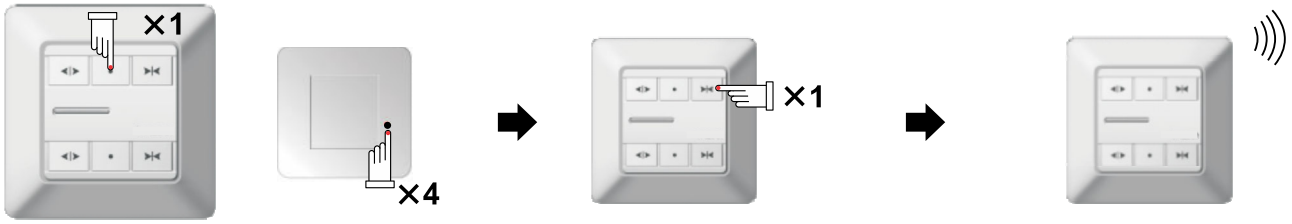


1. Short press learning button 4 times.

2. Short press right button once.

3. The close limit is deleted.

b. Double channel remote (RE206)

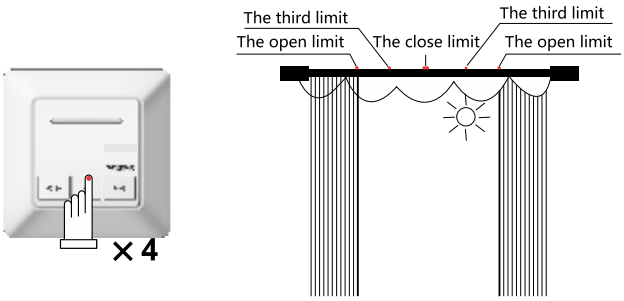


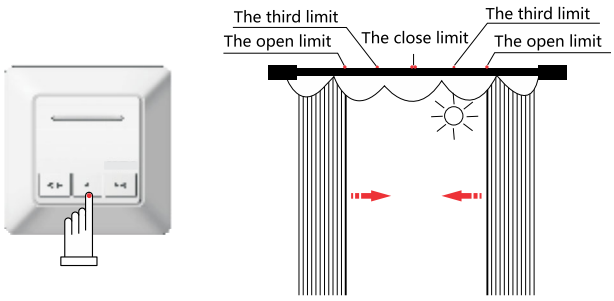
1. Short press STOP button of current channel once, and then the learning button 4 times.

2. Short press right button once.

3. The close limit is deleted. So does B channel.

11. THE THIRD LIMIT (RE204)





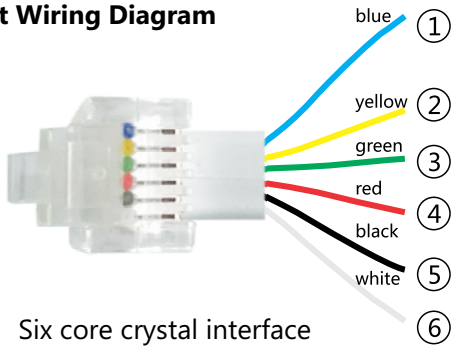
1. Set the third limit
Short press STOP button of remote 4 times, the motor will vibrate, the third limit is set.

2. Operate the third limit
Long press STOP button of remote, curtain will operate to the third limit.

3. Delete the third limit.
When delete limit, the third limit will also be deleted.

12. OPTIONAL FUNCTION

Dry Contact Wiring Diagram



Six core crystal interface

1. Open/Close
2. Common Line
3. Close/Open
4. GND
5. RS485B
6. RS485A

1. Connect the yellow line ②and the blue line ① the motor will run open or close.
Reconnect and the motor will stop.

2. Connect the yellow line ②and the green line ③ the motor will run close or open.
Reconnect and the motor will stop.

13. COMMON FAULTS AND RULED OUT

No.	FAULTS	REASONS	RULED OUT METHODS
1	Power on, the motor does not work or operate unstably and slowly.	A. Overload B. Improper installation C. Low voltage	A. Change large torque motor. B. Check connection of all parts. C. Adjust voltage AC200-260V/50Hz (100V-260V/60Hz)
2	Motor fails to fully match up the under cover of rail.	Output end of the motor is not in vertical with transfer box.	Slightly pull curtain.

NOTE: The voltage in parentheses is voltage configuration data for AC 110V

At Alpha Tubular Motors, your safety and the effective operation of our tubular motors with lithium-ion batteries are our top priorities. We kindly ask you to follow these important safety guidelines:

Avoid Overcharging

Please disconnect the motor from the charger as soon as the green light indicates a full charge. Overcharging can lead to overheating and may pose a fire risk.

Prevent Overheating

To help prevent overheating, ensure the motor is not exposed to high temperatures or direct sunlight for extended periods.

Immediate Action

If you notice any unusual warmth, discolouration, or odours coming from the motor, please disconnect it from the power source and stop using it right away.

Proper Storage

Store the motor in a cool, dry place, away from flammable materials. For best results, keep it within a temperature range of -20°C to 65°C

Use Approved Chargers

Always use the charger that comes with the motor or an approved replacement. Using incompatible chargers can create safety hazards.

Disposal

Please dispose of lithium-ion batteries according to local regulations. Avoid incinerating or submerging them in water, as this can lead to dangerous reactions.

Additional Notes

To keep your motor in top shape, charge it every six months.
For safety, please ensure that children do not play with the remote or motor.

Liability Disclaimer

While we at Alpha Tubular Motors strive to provide safe and reliable products, we cannot accept liability for any damage or personal injury resulting from improper use, charging, storage, or handling of our motors or their lithium-ion batteries. By using our products, you acknowledge that you have read, understood, and agree to follow these safety guidelines.