

Ultra-silent Smart Curtain Motor

- Use Bluetooth 5.0 SIG Mesh technology that provides stable communication and reliable performance with its high networking capacity.
- Control it on your iOS or Android device via Bluetooth.
- Wide voltage design meets input voltage requirements worldwide.
- Motor will stop running automatically if it meets resistance, protecting the system.
- Manually pull the curtain to open or close it when the power is off.
- Ultra-silent & high-precision DC motor. Soft start and soft stop function makes it run more smoothly.
- When the power is on, gently pull the curtain 5 cm towards a direction so as to start the automated opening and closing.
- Work with a gateway to achieve the advanced functions, such as remote control, cloud scenes and automation.



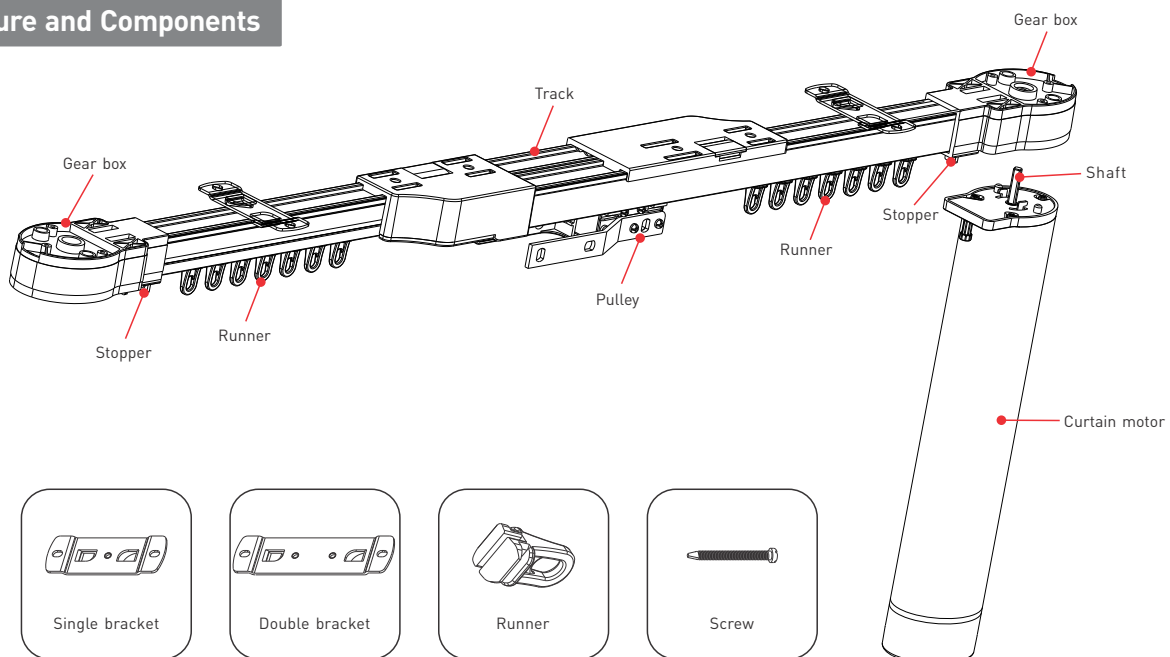
Parameters

Product model	Rated torque	Running speed	Motor housing dimensions	Rated voltage	Rated power	IP rating
CG-CUR15	1.2Nm	14cm/s	310×67×52mm	100–240Vac 50/60Hz	65W	IP20

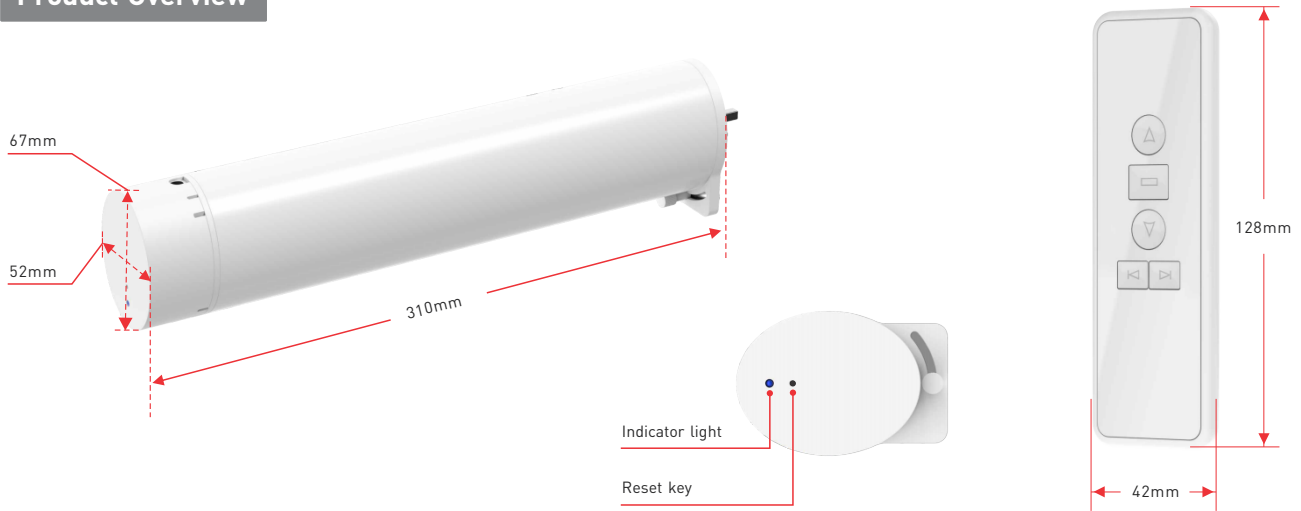
Attached list: track load parameters

Curtain weight Track length	Type of curtain track		R500		R500		R3000	
	Two-way draw	One-way draw	Two-way draw	One-way draw	Two-way draw	One-way draw	Two-way draw	One-way draw
4m	60kg	50kg	45kg	40kg	35kg	30kg	31kg	21kg
8m	55kg	45kg	40kg	35kg	30kg	25kg	21kg	16kg
12m	50kg	40kg	35kg	30kg	25kg	20kg		

Structure and Components



Product Overview

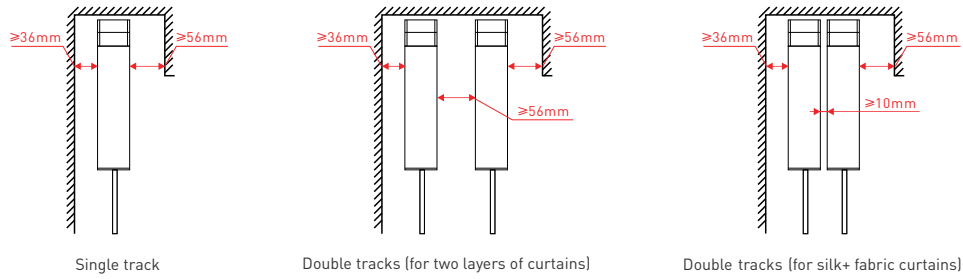


* Reset key: Insert an ejection pin into the reset key and long press it for 6s until the blue indicator light flashes, meaning it's ready for network connection.

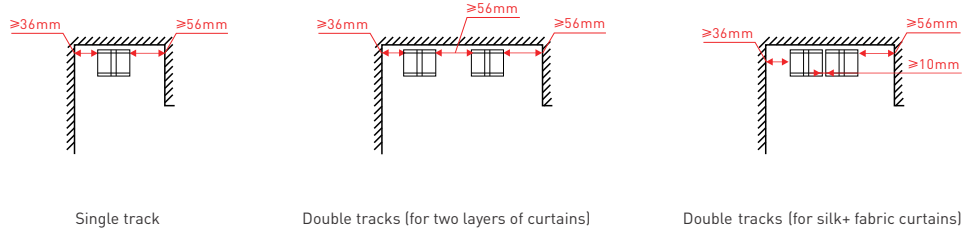
* The remote and the curtain motor are sold separately.

Installation Distance

Curtain Motor

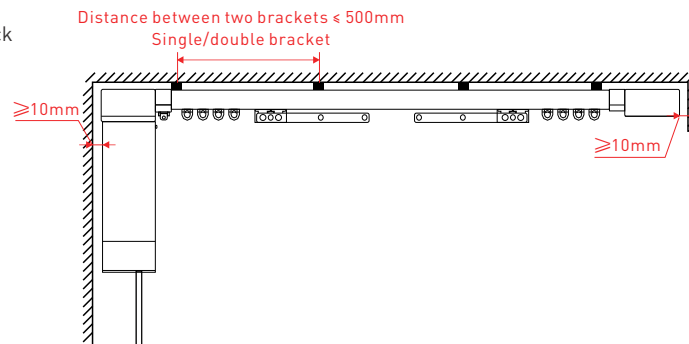


Telescopic Curtain Track

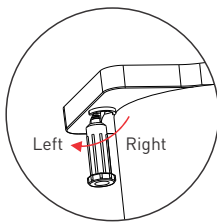
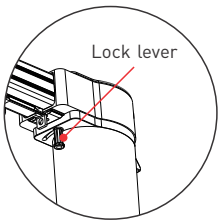


* Please refer to the telescopic curtain track manual for detailed information.

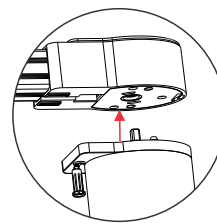
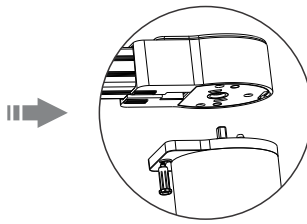
Ordinary Curtain Track



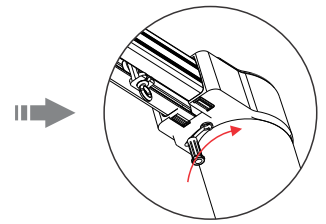
Install the Curtain Motor



1. Keep the lock lever on the left. If it is in the right position, please pull down the lock lever and push it to the left.

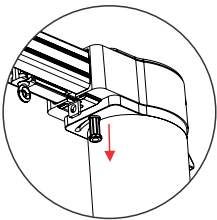


2. Attach the curtain motor to the gear box.

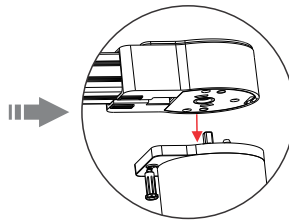
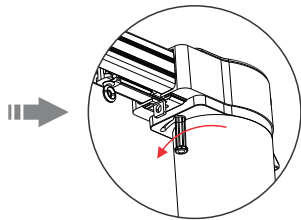


3. Push the lock lever to the right to lock the attachment.

Remove the Curtain Motor



1. Pull down the lock lever and push it to the left to unlock the curtain motor.

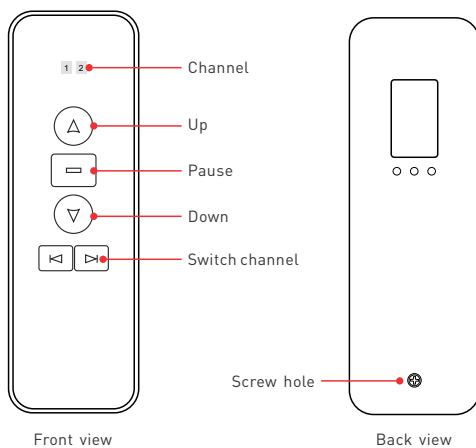


2. Detach the motor from the gear box.

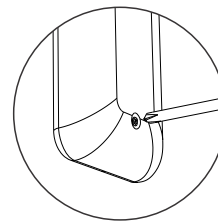
! Note:

- Install the curtain motor as shown.
- Ensure the lock lever is in the correct position as illustrated.
- The ceiling must be strong enough to support the track, motor and curtains.

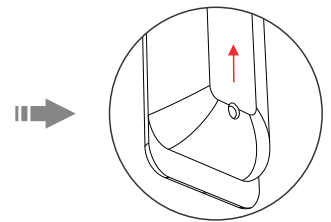
Description of RF Remote Buttons



RF Remote Battery Replacement



1. Loosen the screw on the back of the remote with a screwdriver.



2. Push the rear cover in the direction of the arrow at the bottom of the remote and remove the cover.

RF Remote Instructions

Press "◀" or "▶" button to switch to the channel you wish. You can open or close the curtains by a short press on the "▲" or "▼" button. If you want to simultaneously control two curtain motors by the same remote, first press "◀" or "▶" button to switch to the channel. When the indicator lights of Channel 1 and 2 light up at the same time, meaning you can open/close the curtains, or pause the progress.

App Operating Instructions

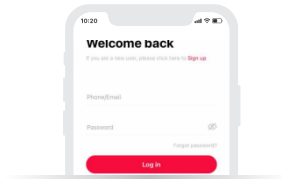
1. Register your L-Home account

1.1 Scan the QR code below with your mobile phone and follow the prompts to complete the app installation.



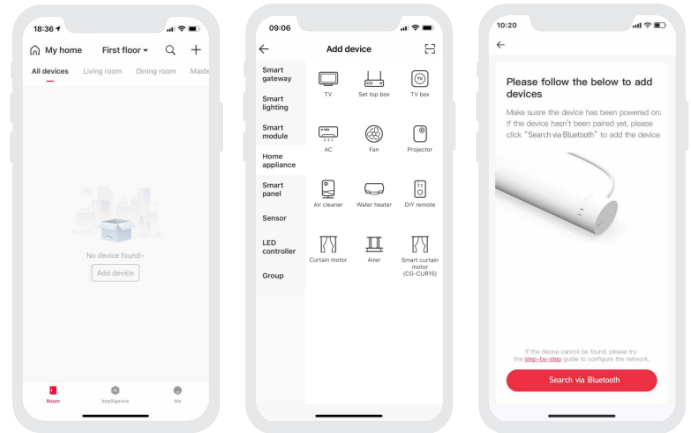
Scan and download the App

1.2 Open the App and log in or register your L-Home account.



2. Pairing instructions

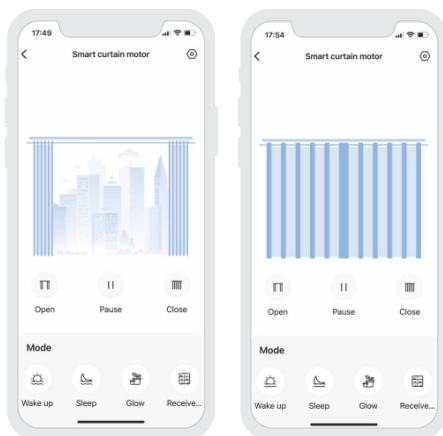
Create a home if you are a new user. Click "+" icon in the upper right corner to access the device list. Click **Home Appliance** and pick **Curtain Motor (CG-CUR15)**. Follow the prompts to power on the curtain motor first, then click **Search via Bluetooth**. When the curtain motor is found, click **+** icon to add it.



3. Set limit position

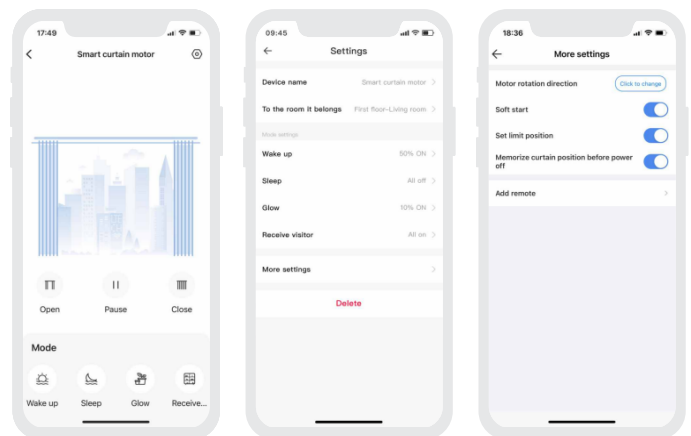
Method 1: After adding the curtain motor, go to the curtain motor interface and click **Open**. When the curtains have been fully opened, click **Close**. And when the curtains have been fully closed, the limit position setting is completed (Fully opening and closing the curtains are in no particular order. Just fully open and close them once according to the state of the curtains).

Method 2: After the installation of the curtain motor and the curtain track is completed, gently pull the curtain clothes or the pulley to about 5cm in one direction to enable the curtains to fully open and fully close once, then the limit position is completed.



4. Control interface settings

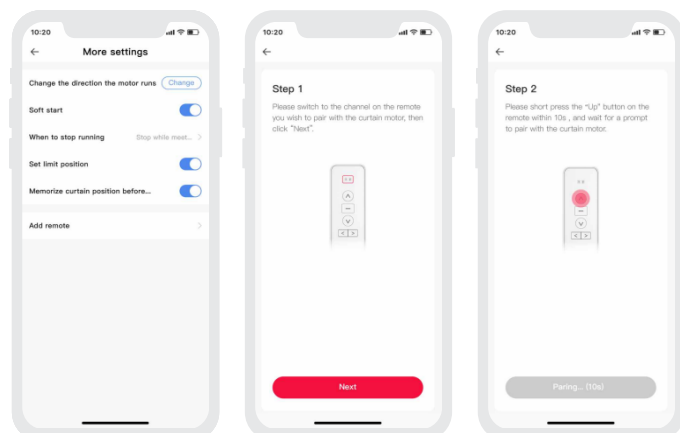
After adding the curtain motor successfully, go to **Room** interface and click the curtain motor icon to access the control interface. You can tap **OPEN** to open the curtain or **CLOSE** to close it, or tap **PAUSE** to pause the opening and closing progress, or control the curtain by drawing the icon curtains from left to right or vice versa. The app provides four modes and you're able to click **Settings** - **Mode Settings** to customize effects of these four modes. By clicking **Settings** - **More Settings**, set the direction of motor rotation, soft start function, memorizing curtain position before power off and other functions.



5. Pair with the curtain remote

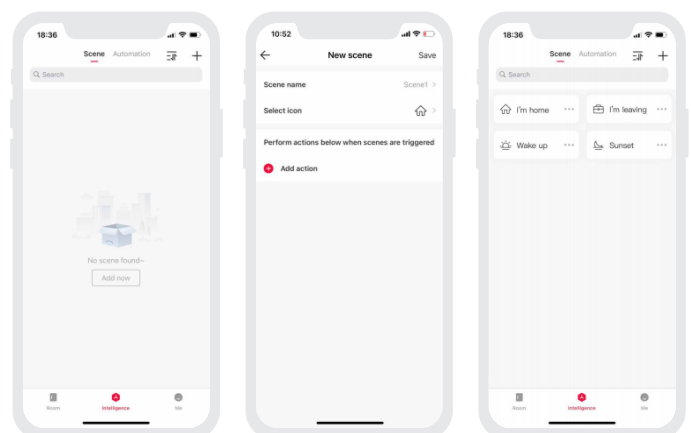
Go to **Settings** - **More Settings**. Click **Add Remote** and follow the on-screen instructions to switch to the channel on the remote you wish to pair with the curtain motor, then click **Next**. Within 10s, short press the "Up" Button on the remote, and wait for a prompt to pair with the curtain motor.

Note: One curtain motor can be paired with maximum 10 channels (see the Description of Remote Buttons on Page3). When the eleventh channel is paired, the tenth paired channel will be automatically removed.



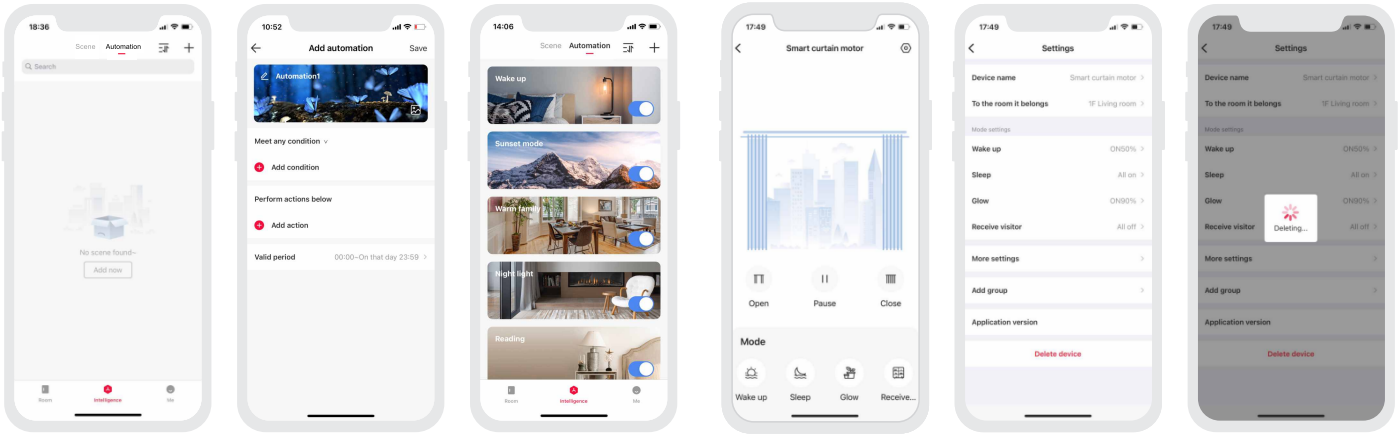
6. Scenes

Please add a gateway device to your home, such as Super Panel. Switch to **Intelligence** interface and click **+** icon in the upper right corner, then click **Add Action** to set the actions the curtain motor performs. You can set the curtain to fully open or fully close, or open the curtain at a designated percentage. After you complete the settings and click "Save", go back to **Intelligence** interface and click the scene you set to execute it and achieve remote control.



7. Automation

Please add a gateway device to your home, such as Super Panel. Switch to **Automation** interface and click **+** icon in the upper right corner to create automation. Click **Add Condition** to set the trigger conditions and click **Add Action** to select a mode, then set the curtain to fully open or fully close, or open the curtain at a designated percentage. You can also add other smart devices to link them with the motor together. After you complete the automation settings and click **Save**, when the conditions are met, a series of device actions will automatically perform.

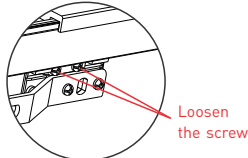
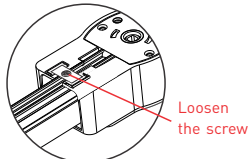


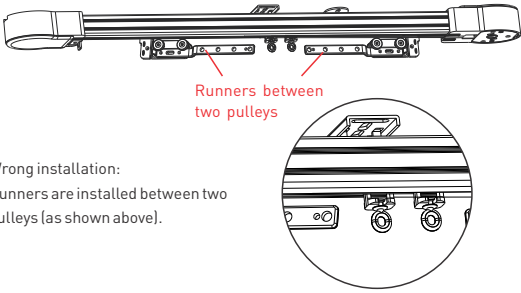
8. Remove the connected curtain motor from the network

Method 1: Go to the "Room" interface and click the curtain motor icon to access the control interface, then click **⊙** icon in the upper right corner to access **Settings**. Next, click **Delete**. When the prompt **Deleted Successfully** appears on the screen, it means the connected curtain motor has been removed from the Internet.

Method 2: Insert an ejection pin into the reset key and long press it for 6s until the blue indicator light flashes, meaning the connected curtain motor has been removed from the Internet.

Curtain Motor Troubleshooting

Symptom	Possible Cause	Remedy
Curtain motor is running but the curtain doesn't move.	Check whether the curtain track is installed correctly.	Check and adjust the gap between the track gear and the belt.
Curtain cannot be pulled.	1. Power is off suddenly when the motor is running. 2. Curtain is pulled in the wrong position that makes the pulley get stuck in one position.	1. Pull the curtain in the opposite direction, then pull it back. 2. Pull the curtain in the middle position.
Curtain moves automatically.	Curtain motor is mispaired with the other remote.	After you have installed the curtain motor and the curtain track and powered them on, go to the settings of the curtain motor in the APP to delete the motor (do not force delete or remove it from the network), then add the motor/connect it to the network again.
The curtain motor and curtain track run normally when you do the commissioning on the floor, table or in other positions. But they run abnormally or make a high level of noise once installed on the ceiling.	The installation position is shifted that make the limit position of the curtain track change.	
In the installation process, the motor shaft has been manually rotated that changes the limit position of the curtain track.	The change in the the limit position is caused by operational mistakes.	
The curtains open or close asymmetrically.	1. Forget to draw the two pulleys to the left and right side respectively when installing the curtain track. 2. The motor removal makes the limit position of the curtain track change.	When the curtain motor is powered on, go to the settings of the curtain motor in the APP to delete the motor (do not force delete or remove it from the network). Next power off the motor and draw the two pulleys to the left and right side respectively, then add the motor/connect it to the network again. 
A high level of noise is generated from the telescopic curtain track.	/	Please first loosen the screws at the bottom of both gear boxes, then pull the screws to 2-3 mm and tighten them back. 

Symptom	Possible Cause	Remedy
Runners are mistakenly installed between two pulleys.	 <p>Wrong installation: Runners are installed between two pulleys (as shown above).</p>	The number of runners that come with the curtain track is more than needed. Please install them on the both sides of the pulley (refer to the curtain track manual for detailed instructions). If it does not affect the normal use, please ignore; If it does, please contact a professional personnel to remove it.
Please do not remove the curtain motor (detach the motor from the curtain track) unless it is necessary. If you do, the limit position of the curtain track may be changed.	The motor removal makes the limit position of the curtain track change.	When the curtain motor is powered on, go to the settings of the curtain motor in the APP to delete the motor (do not force delete or remove it from the network), then add the motor/connect it to the network again. The remote and scenes that you previously link with the motor will be cleared once the motor is deleted. Please be careful.

FQAs

Q1: How to view the channels on the remote?

A1: Please refer to the description of RF remote buttons on Page 3. The indicator lights marked "1" and "2" represent the two channels.

Q2: How many remotes can be connected to control one curtain motor?

A2: The quantity of curtain motors that can be controlled relies on the number of channels on the remotes: one motor can be controlled by maximum 10 channels, so the data of the eleventh channel will cover that of the tenth channel. For example, if there is only one channel on each remote controlling the motor, then the motor can be controlled by 10 remotes.

Q3: How many curtain motors can be controlled by one remote?

A3: The quantity of curtain motors that can be controlled relies on the number of channels on the remotes: one channel on the remote controls one motor, two channels control two motors, or both channels can control the same motor.

Q4: How many sets are needed to control two layered curtains (silk+ fabric curtain)?

A4: Two sets are needed (two curtain motors +two curtain tracks).

Q5: After the motor has been installed and connected to the network, why I cannot fully open or fully close the curtains with the APP?

A5: It may caused by the operational mistakes that lead to the incorrect setting of the limit position of the curtain track. To solve this, go to the settings of the curtain motor in the APP to delete the motor (do not force delete or remove it from the network), then add the motor / connect it to the network again. Next, go to the control interface of the motor, then tap OPEN to fully open the curtain and CLOSE to fully close it respectively. After that, you're able to fully open or fully close the curtains with the APP.

Attentions

- Products shall be installed by qualified professionals.
 - LTECH products are non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
 - Good heat dissipation will extend the working life of products. Please ensure good ventilation.
 - Please check if the working voltage used complies with the parameter requirements of products.
 - If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.
- ✧ This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

Warranty periods from the date of delivery : 2 years.

Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

超静音智能开合窗帘电机

- Bluetooth 5.0 SIG Mesh通信协议，组网能力强，可靠稳定。
- 支持IOS和安卓智能设备蓝牙直连控制。
- 宽电压设计，适用全球各国电压。
- 遇阻停止功能，运行时遇到一定阻力会自动停止保护整个系统。
- 停电手拉功能，断电后可手动开合。
- 柔性、超静音设计，高精度直流电机驱动，慢起慢停，运行更轻盈。
- 手拉启动功能，通电状态下用手往一个方向轻轻拉动窗帘偏移约5CM，窗帘会自动打开或关闭。
- 可搭配网关实现远程控制、云场景、自动化等高级功能。



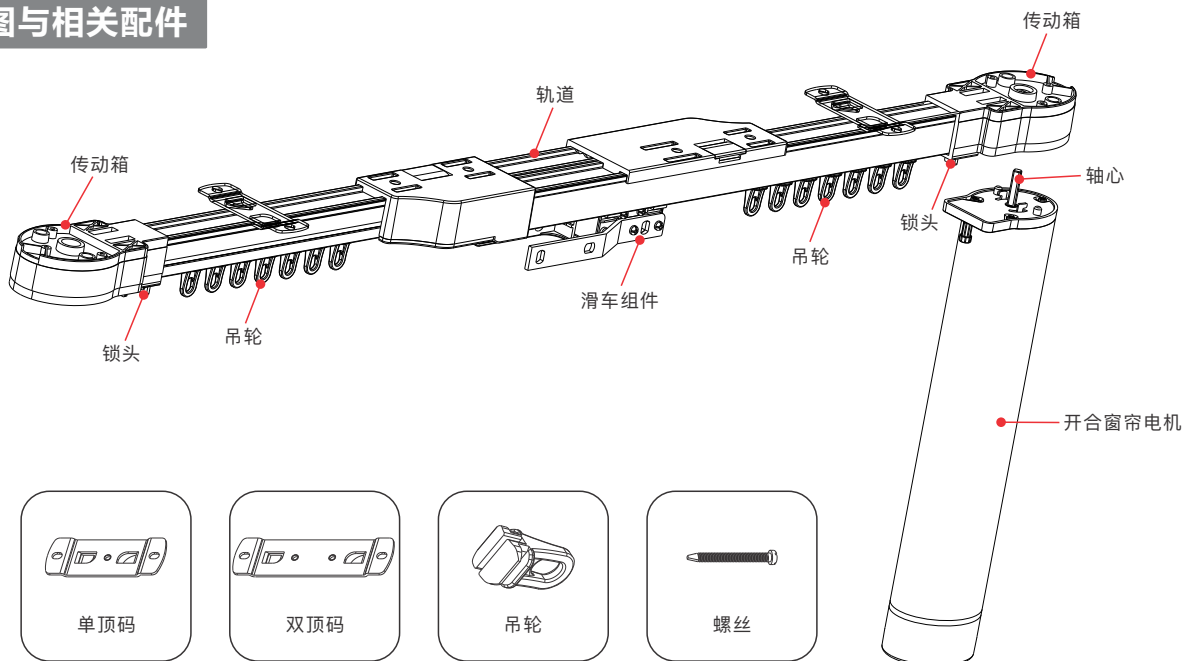
参数表

产品型号	额定扭矩	平均运行速度	马达外壳尺寸	额定电压	额定功率	保护等级
CG-CUR15	1.2Nm	14cm/s	310x67x52mm	100-240Vac 50/60Hz	65W	IP20

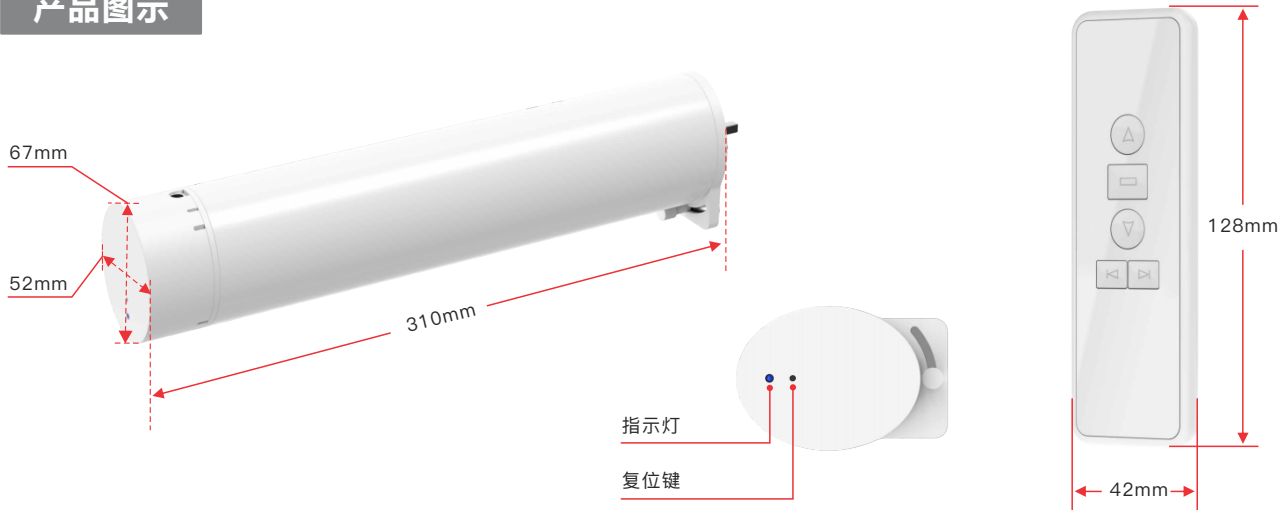
附表：承载参数

轨道与开合 帘布重量 轨道长度	电机双开合		电机单开合		电机双开合		电机单开合	
	4m	8m	4m	8m	4m	8m	4m	8m
4m	60kg	55kg	50kg	45kg	45kg	40kg	35kg	30kg
8m	55kg	50kg	45kg	40kg	40kg	35kg	30kg	25kg
12m	50kg	45kg	40kg	35kg	35kg	30kg	25kg	20kg

机构图与相关配件



产品图示

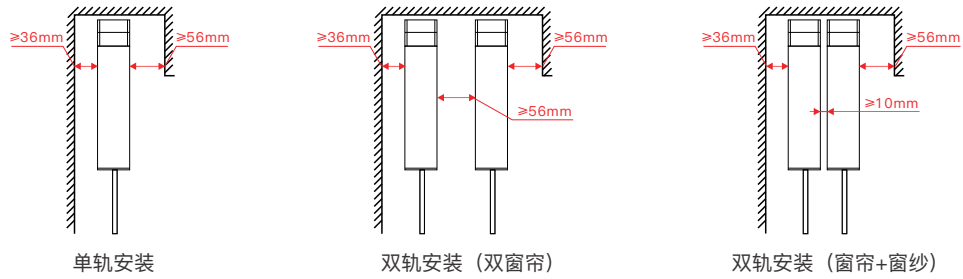


* 复位键：使用卡针，长按复位键六秒，直到蓝灯闪烁进入配网状态。

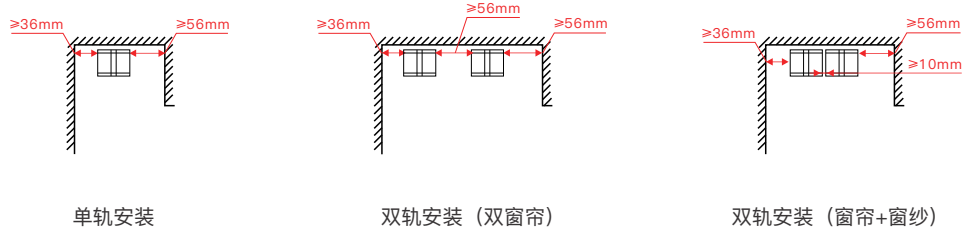
* 遥控器与窗帘电机不配套销售。

安装尺寸说明

窗帘电机

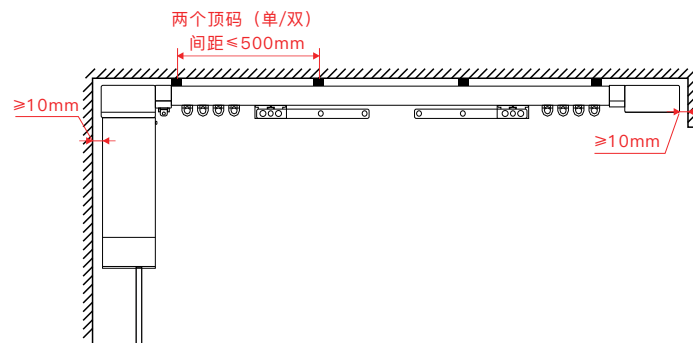


伸缩导轨

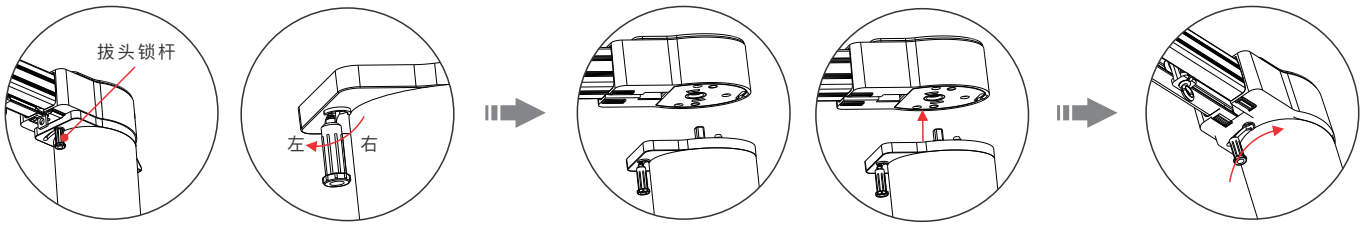


* 详情请参考伸缩导轨说明书

普通导轨

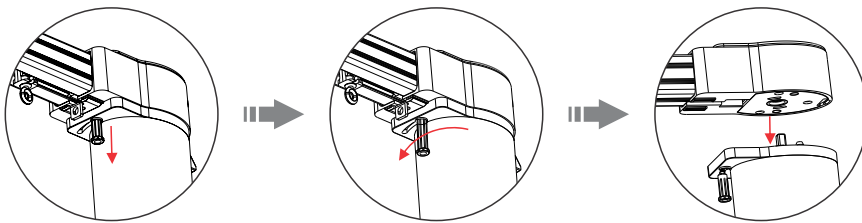


电机安装



1. 如果拔头锁杆在右侧，请先向下拉动拔头锁杆的同时拨向左侧。
2. 将电机插入传动箱。
3. 拨动拔头锁杆至右侧，直到拔头锁杆杆头掉进右侧限位孔为止。

电机拆卸

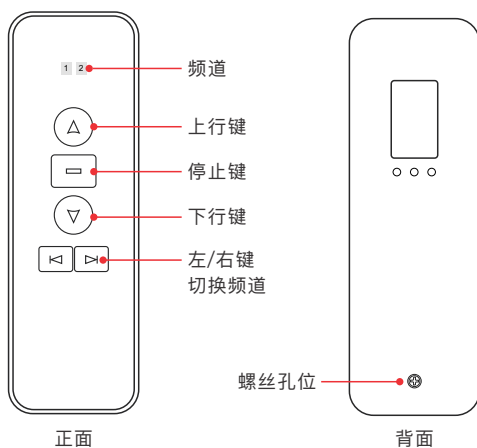


1. 向下拉动拔头锁杆，同时拨动拔头锁杆至左侧，使其顶端滑出限位孔。
2. 取出电机。

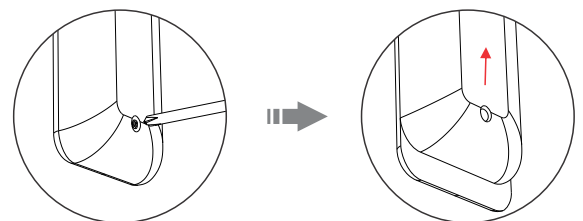
注意

- 按图示中的尺寸要求进行安装；
- 确保拔头锁杆在图示中的位置；
- 安装电机的天花板必须能坚固，足够能承受包括导轨、电机、窗帘布在内的全部重量。

RF遥控器按键说明



RF遥控器更换电池



1. 使用螺丝刀将遥控器背部的螺丝拧开。
2. 稍用力往上推开即可。

RF遥控器使用说明

使用遥控器的左/右键“◀ ▶”切换到对应频道，再通过短按“△ ▽”进行开/关来控制窗帘；如果需要群控，即两台电机同时控制，使用遥控器左/右键“◀ ▶”切换频道，直到频道1和频道2同时亮起，再进行开/暂停/关控制即可。

APP功能操作及说明

1. 账号注册

1.1 通过手机扫描下方二维码，按提示完成APP安装。



1.2 打开APP进行登录/注册操作。



2. 配对操作

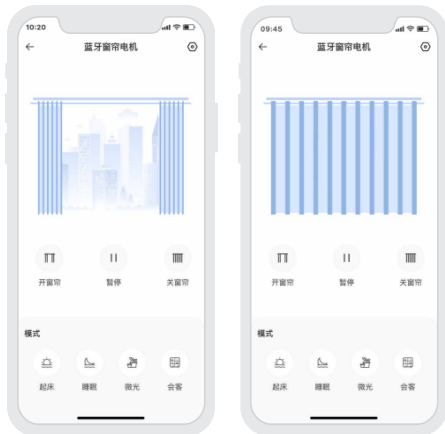
新用户创建家庭后，点击右上角【+】进入添加设备列表，选择【家用电器-窗帘电机（CG-CUR15）】后，按照界面提示，先将设备接通电源，点击【蓝牙搜索】后，点击“+”完成添加设备。



3. 行程设置

方法1:完成配对操作后，在窗帘电机APP界面点击【开窗帘】，等待窗帘完全打开后，点击【关窗帘】，等待窗帘完全关闭（开、关窗帘前后顺序不定：相当于根据窗帘当前状态定执行一次全开和全关），即可完成行程设置。

方法2:电机与轨道配套安装完成后，用手往一个方向轻轻拉窗帘布/滑车约5cm,使窗帘进行一次完全打开和一次完全关闭后，即可完成行程设置。



4. 控制界面设置

设备添加成功后，在APP-房间界面，点击窗帘电机卡片进入控制界面，可通过左右滑动窗帘，或开/关/暂停按钮，对窗帘进行控制。提供四个模式按键，可在设置-模式设置中，自定义模式效果。也可在设置-更多设置中，可对电机方向、电机缓启动、断电行程记忆等设置。



5. 学习遥控器

在设置-更多设置中，点击【添加遥控器】，按照界面提示，先将遥控器切换到要学习的频道，点击【下一步】，请在10S内，短按遥控器的上行键，等待配对成功提示，即可完成学习遥控器。

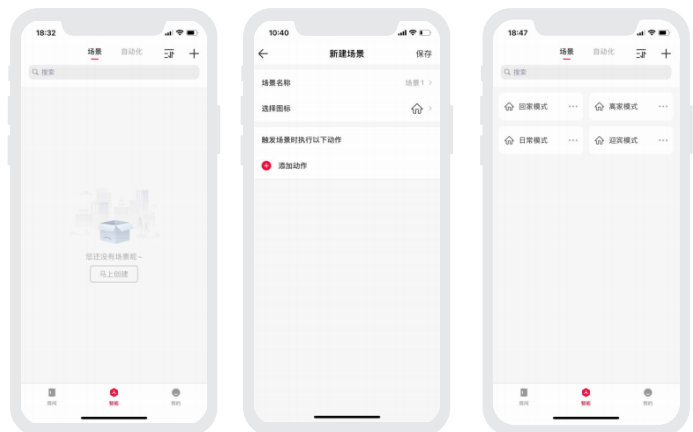
注：1台窗帘电机最多可学习遥控器的10个频道（见P3 遥控器图），学第11个频道时自动覆盖第10个频道。



6. 设置场景

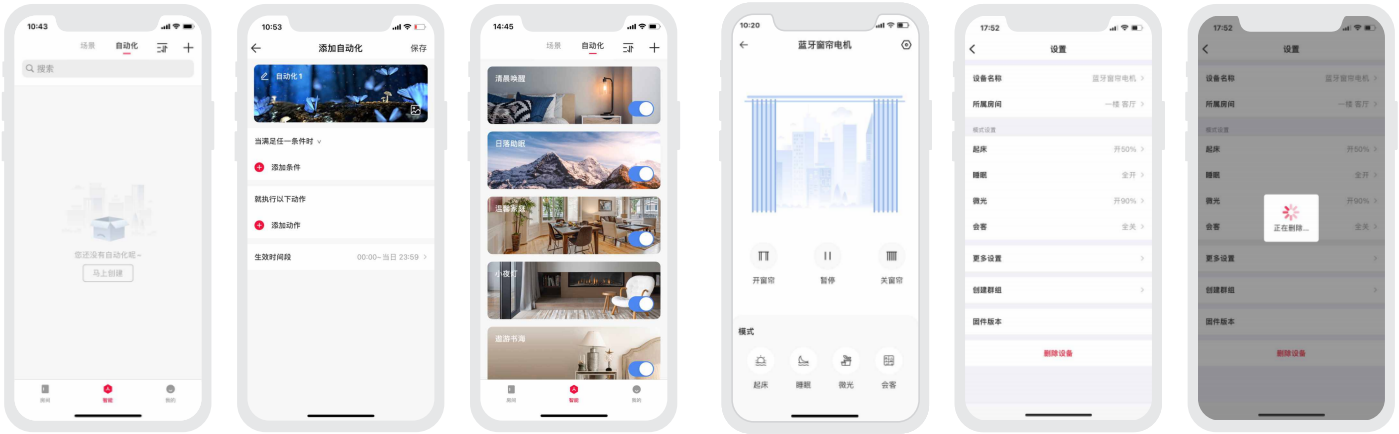
添加具备网关功能的设备，如：超级面板。

切换到【智能】界面，点击右上角【+】点击【添加动作】设置执行动作。可设置全开、全关、模式或开启到指定位置等。保存成功后点击【智能】界面中设置的场景，即可执行成功，实现远程控制。



7. 设置自动化

添加具备网关功能的设备，如：超级面板。切换到【自动化】界面，点击右上角【+】创建自动化。点击【添加条件】设置触发条件；点击【添加动作】设置全开、全关、模式或开启到指定位置等，亦可添加其他设备进行联动。自动化保存成功后，即满足已设置的触发条件后，将自动触发一系列设备动作。

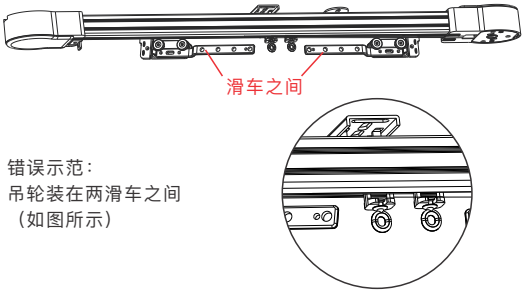


8. 窗帘电机退网

方法1:在APP-房间界面，点击窗帘电机卡片进入控制界面，点击右上角【⊙】，进入设置界面，点击【删除】，等待提示“删除成功”，设备完成退网。
方法2:使用卡针，长按复位键六秒，直到蓝灯闪烁设备完成退网。

电机故障处理

故障现象	故障分析	解决办法
电机运转，窗帘无动作。	轨道是否安装正确。	检查并调整好轨道齿轮与皮带间隙。
手拉不动窗帘。	1.电机运行时突然断电所致； 2.手拉位置有误，导致滑车卡死。	1.往反方向拉一下，再回拉即可； 2.手拉位置移到窗帘布中间
窗帘自动运行。	被其他遥控器误学码了。	请在安装完成并通电后，使用APP进入窗帘电机设置界面删掉电机（不是强制删除/退网），再重新添加/入网即可。
如果在其它地方（例如：地板上或桌子上）调试窗帘电机和导轨时使用正常，安装到天花板上后异常或噪音变大。	转移安装，导致行程变化。	
安装过程中，如果有手动拧/转动过电机的轴心，导致行程偏离。	人为改变行程，导致偏离。	
窗帘开合不在对应位置。	1、安装轨道时忘记把滑车拉到两边，导致窗帘开合不对称； 2、拆卸电机后导致行程变化。	在通电情况下，APP进入窗帘电机设置界面删除电机(不强制删除/退网)，关断电源，按照轨道说明书拧开标识①，把滑车调到两端后，再重新添加/入网即可。  拧开螺丝
电动开合帘伸缩轨有噪音。	/	请将传动箱底部两端的螺丝拧松，稍用力往外拉开2-3mm，然后锁紧螺丝即可。  拧松螺丝

故障现象	故障分析	解决办法
<p>吊轮装错在两滑车的之间。</p>	 <p>错误示范： 吊轮装在两滑车之间 (如图所示)</p>	<p>包装里的吊轮数量是有多余的，安装到正确位置（滑车的两端，详细请见导轨说明书），如果没有影响使用，可忽略，如有影响，需要联系专业人员进行协助拆卸。</p>
<p>在正常使用情况下，如非必要请不要拆卸电机（分离电机与导轨），如果已经拆卸，可能会影响行程。</p>	<p>拆卸电机导致行程变化。</p>	<p>在通电情况下，可使用APP进入窗帘电机设置界面删掉电机(不是强制删除/退网)，再重新添加/入网即可，但是之前绑定的遥控器和场景等都会被清空，请谨慎操作！</p>

常见问题

Q1: 遥控器频道怎么看？

A1: 详情请查看P3遥控器按键说明图，频道标注处的“1”和“2”就是两个频道。

Q2: 1台窗帘电机可以被多少个遥控器控制？

A2: 控制窗帘电机的数量是按遥控器频道数来计算的：1台电机最多可被10个频道控制，第11个会覆盖第10个频道的数据。比如：1个遥控器只有1个频道控制这台电机，那最多可以被10个遥控器控制。

Q3: 1个遥控器可以控制多少台窗帘电机？

A3: 控制窗帘电机的数量是按遥控器频道数来计算的：1个频道控制1台电机，2个频道控制2台电机，也可以2个频道都控制同1台电机。

Q4: 1层窗帘布、1层窗纱需要几套？

A4: 需要2套（2台电机+2条轨道）。

Q5: 电机安装完成且连入网络后，为什么通过手机APP不能完全打开或关上窗帘？

A5: 有可能是因为某些操作导致电机设置了错误的行程，可进入窗帘电机设置界面删掉电机(不是强制删除/退网)，重新添加/入网，再通过打开和关闭按钮让电机分别开、关一次，之后即可正常完全打开或关上窗帘。

注意事项

- 本产品请由具有专业资格的人员进行调试安装。
- 本产品（专有型号除外）不能防水，需避免日晒雨淋。如安装在户外，请用防水箱。
- 良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 请检查使用的工作电压是否符合产品的参数要求。
- 如果发生故障，请勿私自维修；如有疑问，请联系供应商。

* 本说明书的内容如有变更，恕不另行通知。若内容与您使用的功能有所不同，则以实物为准。如有疑问，请与供应商联系。

保修条例

- 自出厂之日起保修服务期为2年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例：

属下列情况不在免费保修或更换服务范围之内：

- 已经超出保修服务期；
- 过高电压、超负载、操作不当等人为造成的损坏；
- 产品外形严重损坏或变形；
- 自然灾害以及人力不可抗拒原因造成的损坏；
- 产品保修标签和产品唯一条形码损坏；
- 无雷特签订的合同或发票凭证。

1. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿，除非在适用法律范围之内。

2. 雷特享有修正或调整本保修条款的权利，并以书面形式发布为准。