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Blindsmart BSKHL-BCM500DS-HK

Blindsmart Smart Electric Curtain Track System

Model: BSKHL-BCM500DS-HK
Brand: Blindsmart

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Blindsmart Smart Electric Curtain Track System. Please read this manual thoroughly before installation and use to ensure proper function and safety. This system is designed to automate your curtains, offering convenience through smart home integration and various control methods.

Safety Information

- Ensure all electrical connections are made by a qualified professional if you are unsure.
- Keep hands and loose clothing clear of the curtain track and motor during operation.
- Do not attempt to disassemble or repair the motor unit yourself. Contact customer support for assistance.
- This product is designed for indoor use only.

2. Package Contents

Verify that all components are present in your package:

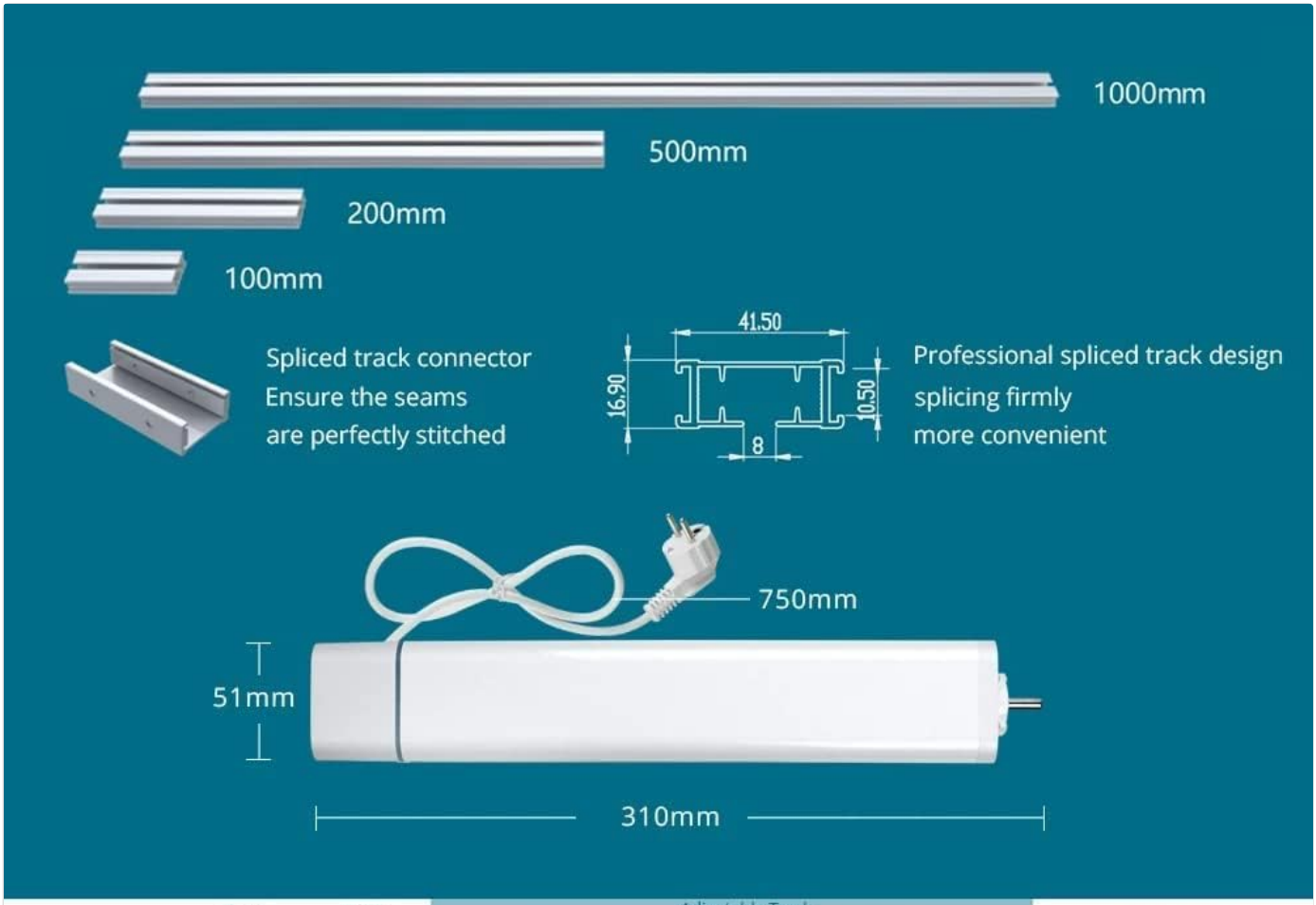
- Smart Curtain Track (DIY sections: 0.5m*1, 0.2m*2, 0.1m*1 for 1-meter track)
- Curtain Motor
- Remote Control
- Installation accessories (brackets, screws, track connectors, runners)
- Power Cable

Note: Curtain fabric is not included.

3. Specifications

Brand	Blindsmart
Model Number	BSKHL-BCM500DS-HK

Material	Aluminium
Color	Silver
Mounting Type	Wall Mounted, Ceiling Mounted
Item Weight	9 Pounds (approx. 4.1 kg)
Product Dimensions	40"L x 10"W (approx. 101.6 cm L x 25.4 cm W)
Size (Track Length)	2.1M (82.6 inch)
Smart Home Compatibility	Apple HomeKit, Alexa, Google Home
Max Curtain Weight	Up to 50 KGs
Motor Drive Speed	0.16m/s
Motor Current	1.2A
Motor Voltage	100-240 VAC
Motor Torque	1.2Nm
Waterproof Rating	IPX-4
Operating Temperature	-10~65°C, RH≤80%



NO.	Size	Track Lenghth	Track Connector	Adjustable Track					Suitable Size (Wall To Wall)
				Track Lenghth (mm)			Track Lenghth (mm)		
		100mm	100mm	500	200	100	200	100	
1	2.2m	1	1	1	2	1	1	1	Under2.0m
2	3.2m	2	2	1	2	1	1	1	2.0m-3.0m
3	4.2m	3	3	1	2	1	1	1	3.0m-4.0m
4	5.2m	4	4	1	2	1	1	1	4.0m-5.0m
5	6.2m	5	5	1	2	1	1	1	5.0m-6.0m
6	7.2m	6	6	1	2	1	1	1	6.0m-7.0m
7	8.2m	7	7	1	2	1	1	1	7.0m-8.0m

Figure 1: Detailed diagram of curtain track components, dimensions, and track length configurations.

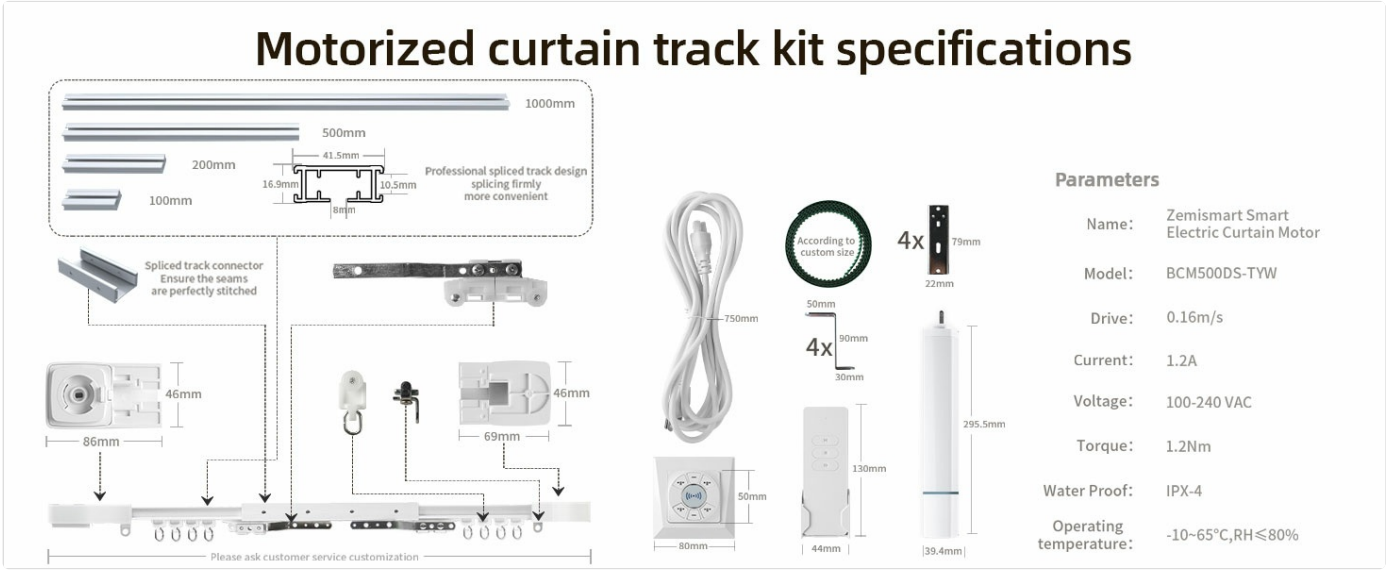


Figure 2: Overview of motorized curtain track kit components and technical parameters.

4. Setup

4.1 Track Assembly

The curtain track system is designed for DIY assembly. It includes various track sections (e.g., 0.5m, 0.2m, 0.1m) that can be combined using spliced track connectors to achieve the desired length. Ensure all seams are perfectly stitched for smooth operation.

4.2 Mounting Options

The track can be installed using either ceiling mounting or wall mounting methods. Select the appropriate brackets and hardware for your chosen installation type.

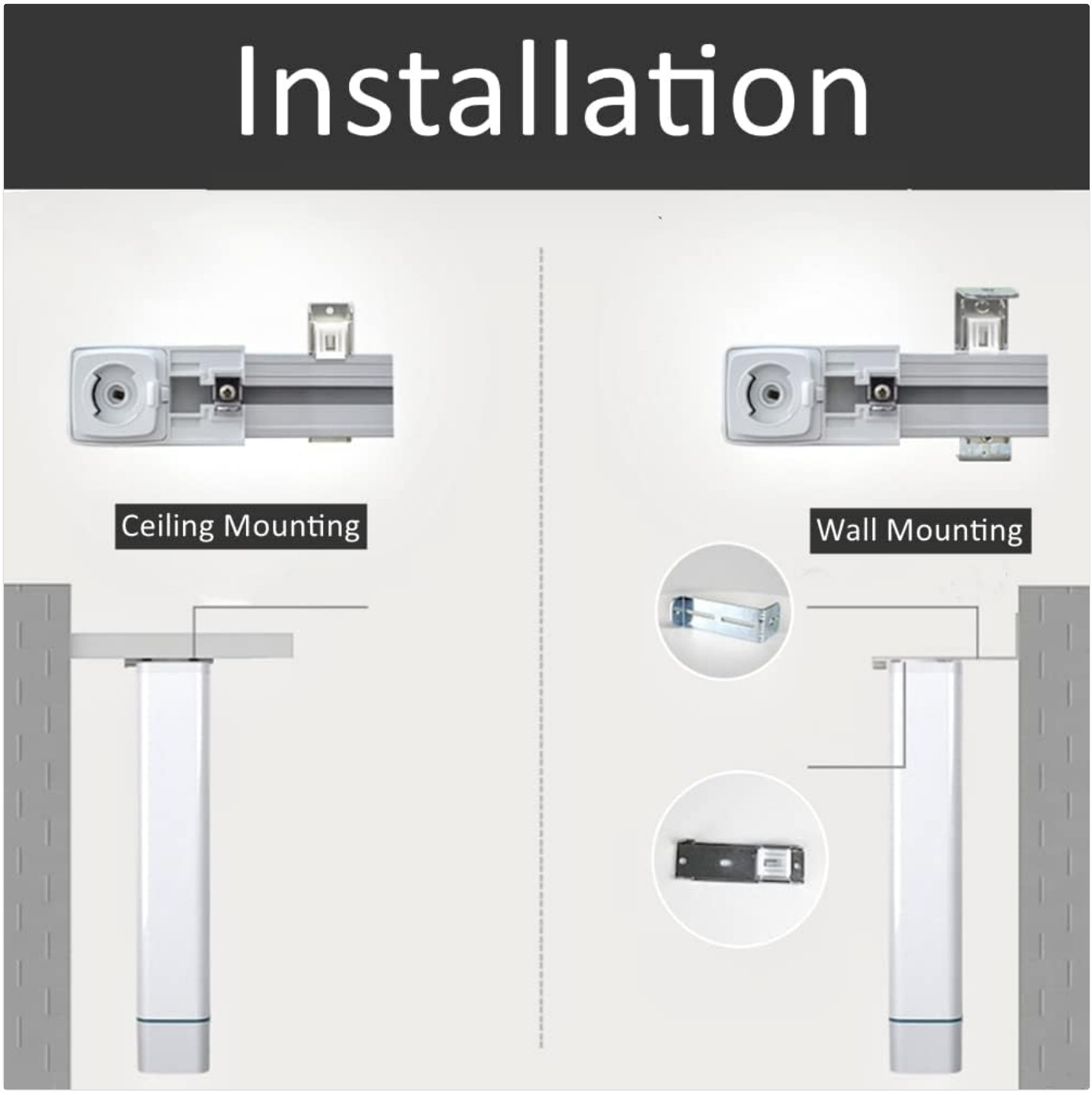
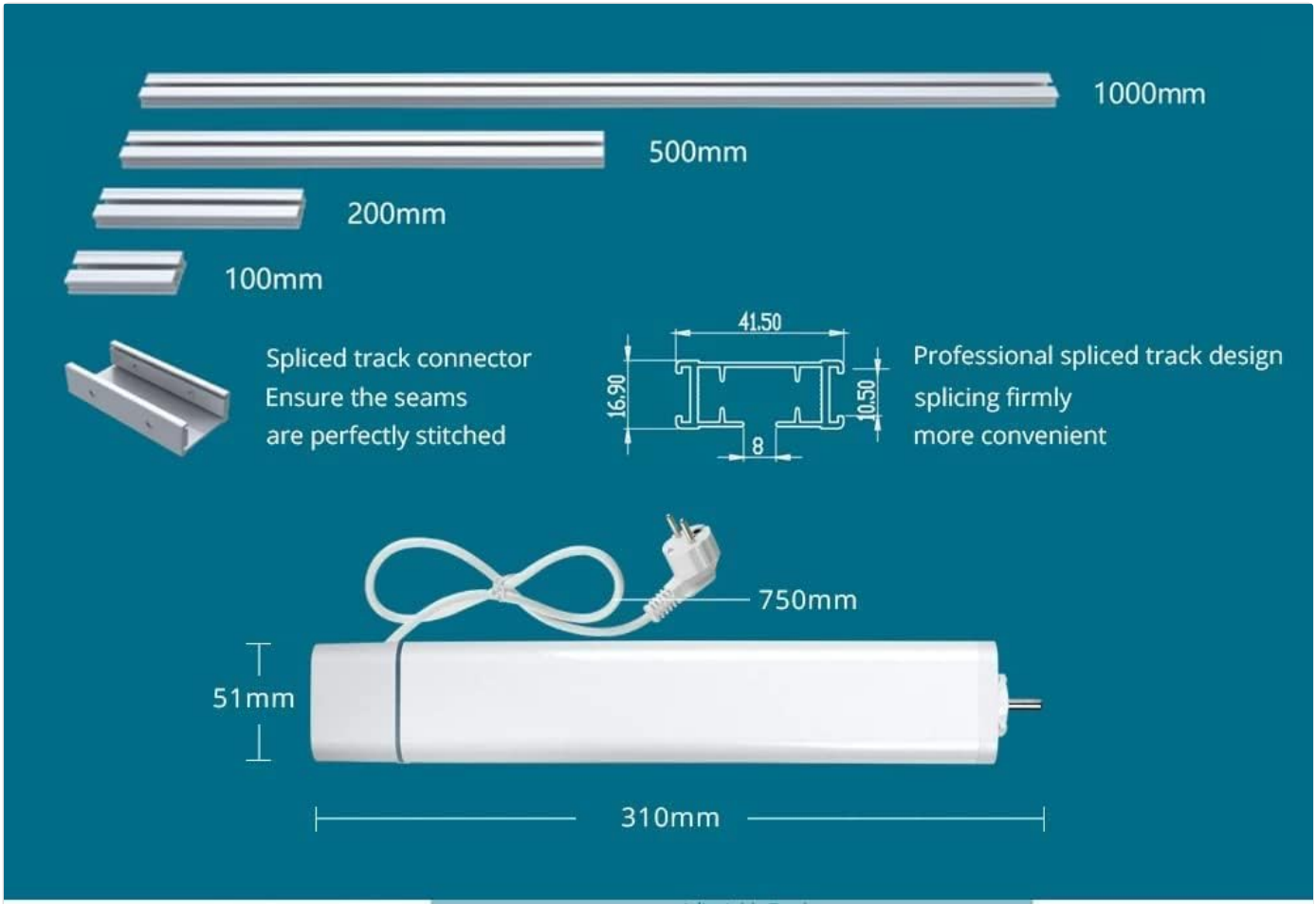


Figure 3: Illustration of Ceiling Mounting and Wall Mounting configurations.

4.3 Installation Tips

When planning your installation, ensure sufficient space is reserved for the motor and track assembly:

- **Single Curtain Track - Straight:** Reserve more than 10cm (4 inches) from the curtain box inner width for assembly space.
- **Double Curtain Track - Straight:** Reserve more than 18cm (7 inches) from the curtain box inner width for assembly space.
- **Single Curtain Track - 90° Bend:** Reserve more than 15cm (6 inches) from the curtain box inner width for assembly space.
- **Double Curtain Track - 90° Bend:** Reserve more than 23cm (9 inches) from the curtain box inner width for assembly space.



NO.	Size	Track Lenghth	Track Connector	Adjustable Track					Suitable Size (Wall To Wall)
				Track Lenghth (mm)			Track Lenghth (mm)		
		100mm	100mm	500	200	100	200	100	
1	2.2m	1	1	1	2	1	1	1	Under2.0m
2	3.2m	2	2	1	2	1	1	1	2.0m-3.0m
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4	5.2m	4	4	1	2	1	1	1	4.0m-5.0m
5	6.2m	5	5	1	2	1	1	1	5.0m-6.0m
6	7.2m	6	6	1	2	1	1	1	6.0m-7.0m
7	8.2m	7	7	1	2	1	1	1	7.0m-8.0m

Figure 4: Recommended space reservations for various track configurations.

4.4 Smart Home Integration (Apple HomeKit, Alexa, Google Home)

The Smart Electric Curtain Track System features built-in WiFi and supports direct integration with Apple HomeKit, Alexa,

and Google Home devices without requiring an additional adapter or gateway.

4.4.1 Apple HomeKit Setup

To add the product to Apple HomeKit:

1. Ensure your iPhone is connected to the WiFi network.
2. Open the HomeKit app on your iPhone.
3. Scan the QR code provided in the instruction manual or on the product label to add the device.
4. Once added, you can control the curtains by finding its control page in the Apple HomeKit app.

Note: iOS 12.0 or later is recommended. To remotely control HomeKit-enabled accessories, a HomePod or Apple TV (tvOS 11.0 or later) or an iPad (iOS 12.0 or later) is required as a home hub.



Figure 5: Scanning the QR code to add the device to Apple HomeKit.

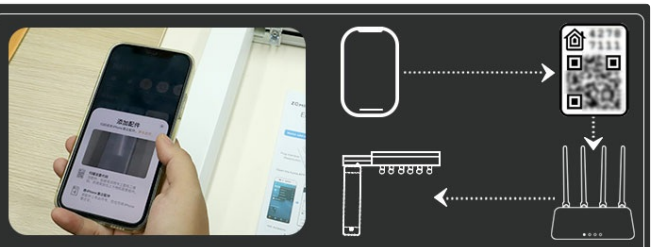


Figure 6: Controlling curtains via the Apple HomeKit app.

Support Apple HomeKit to link a better smart life

Through the “HomeKit ” app, you can easily control the opening closing of curtains at home, and with other smart devices, you can also achieve automation and scene control, creating a more efficient HomeKit smart home security system.





This product can be added by scanning the QR code in the instruction manual/product label through the HomeKit APP on the iphone. It should be noted that the iphone needs to be connected to the wifi network before it can be connected. No need to go through a gateway, just have wifi.

*iOS 12.0 or later recommended. To remotely control HomeKit-enabled accessories, a HomePod or Apple TV (tvOS 11.0 or later) or an iPad (iOS 12.0 or later) that is no longer a home hub is required.

Figure 7: Apple HomeKit support for a better smart life experience.

5. Operating Instructions

5.1 Manual Control

The curtain system supports manual control even when powered on. Gently pull the curtain by hand for approximately 10cm (4 inches), and the curtain will automatically open or close completely. If there is no power, the curtain can still be controlled manually by hand.

5.2 Remote Control

Use the provided remote control to open and close your curtains with a single click. The remote can be placed anywhere within your home for convenient access.

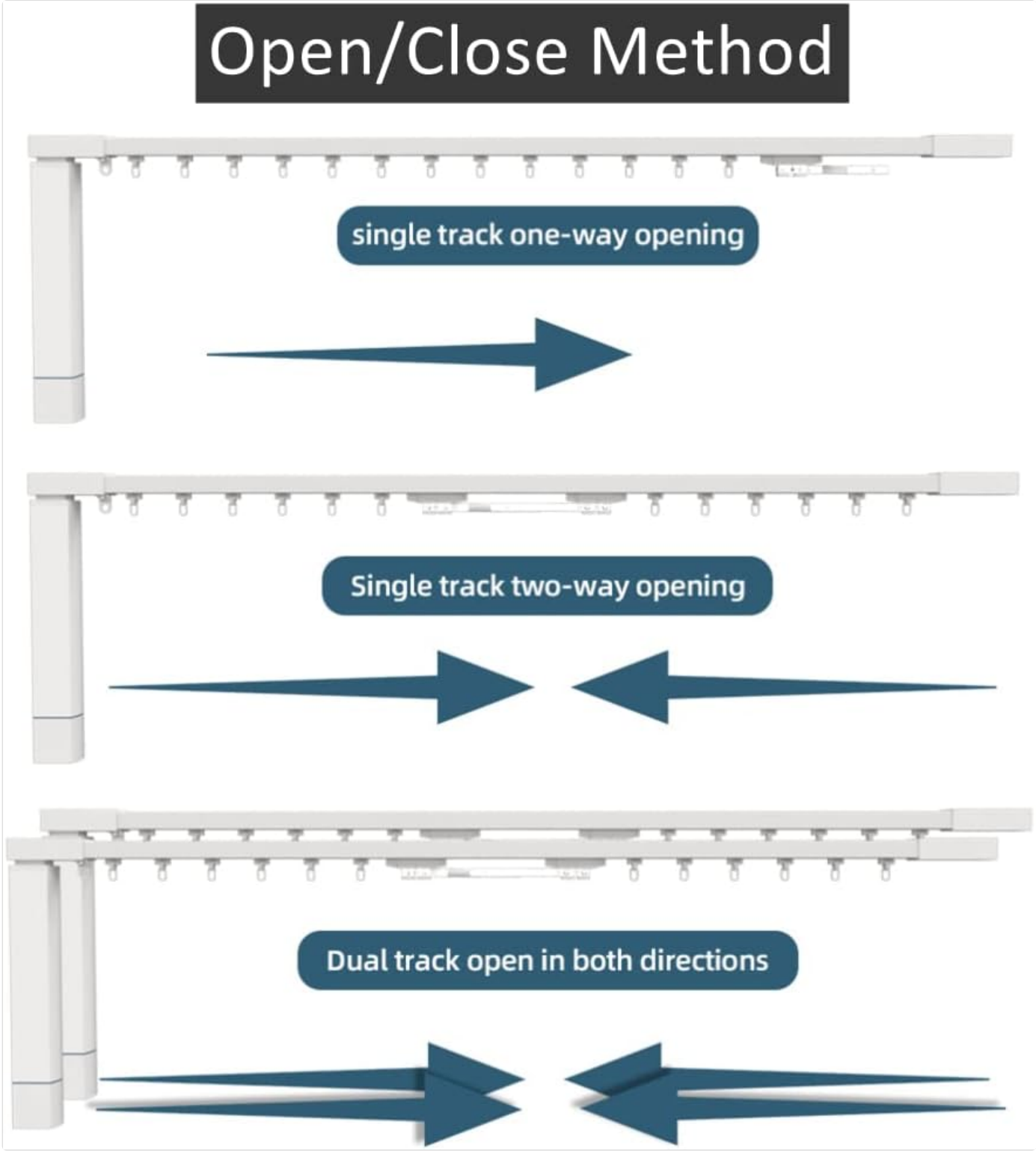


Figure 8: Operating curtains using the remote control.

5.3 Voice Control

Integrate your curtain system with voice assistants for hands-free operation:

- **Apple HomeKit:** Use Siri voice commands.
- **Alexa/Google Home:** Control via the respective apps or voice commands (e.g., "Alexa, open the curtains.").

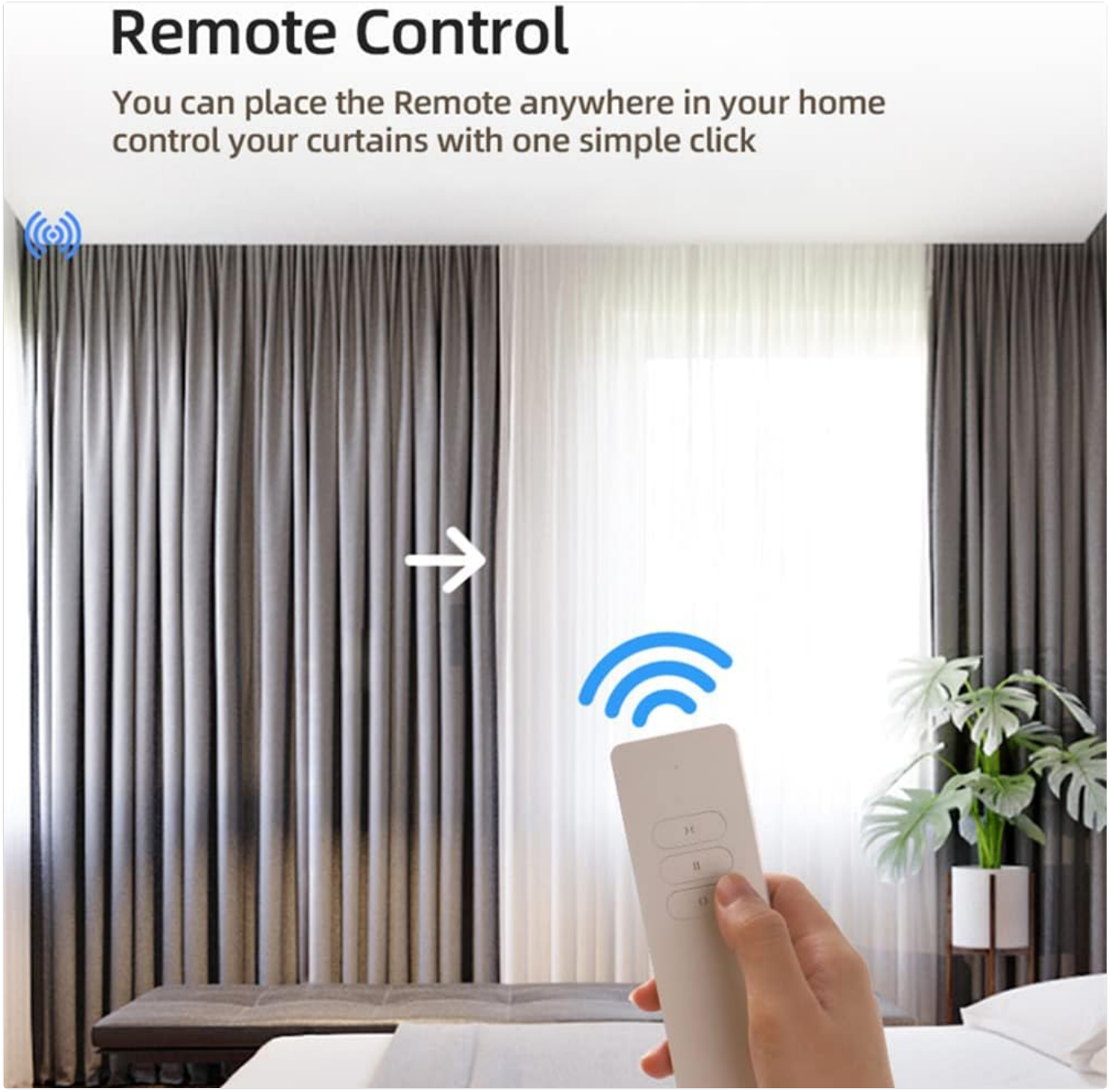


Figure 9: Voice control integration with Alexa and Google Home.

5.4 App Control

Control your curtains anytime, anywhere using the HomeKit app or other compatible smart home applications. This allows for remote operation and scene creation.

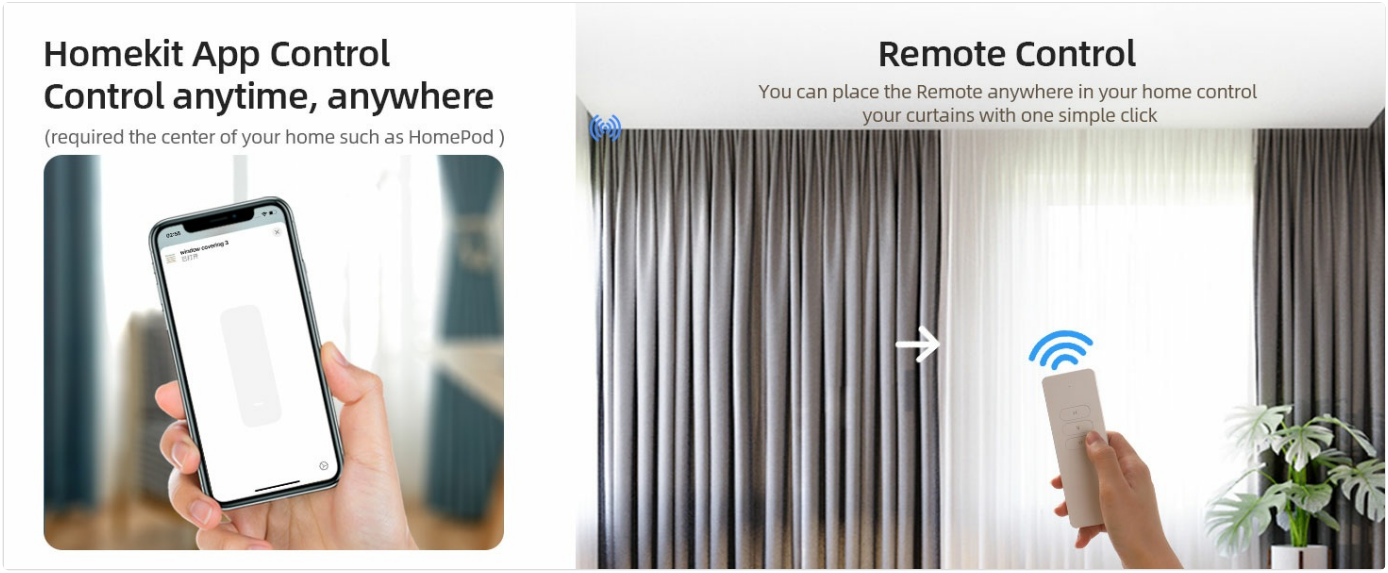


Figure 10: HomeKit app control and remote control options.

5.5 Timing Settings

Set schedules via the app to automatically open and close your curtains at specific times, such as in the morning or evening. This feature helps regulate indoor temperature and enhances daily convenience.

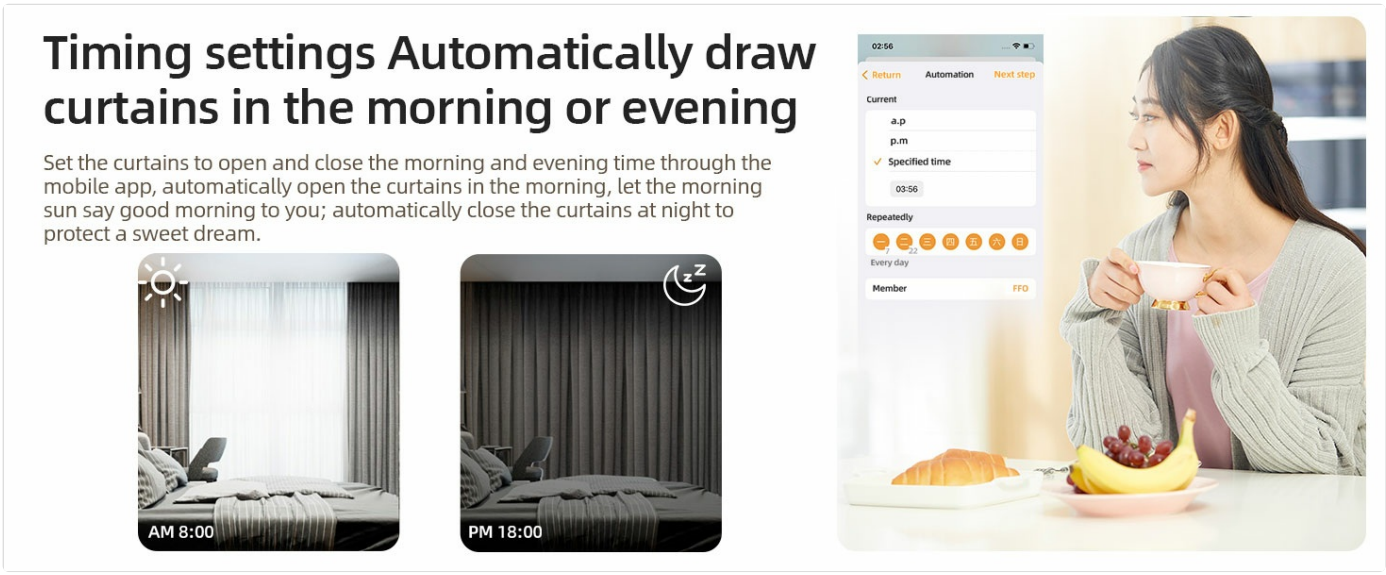


Figure 11: Configuring automatic timing settings for curtains.

5.6 Open/Close Methods

The track system supports various curtain opening and closing configurations:

- **Single Track One-Way Opening:** Curtains open or close from one side.
- **Single Track Two-Way Opening:** Curtains open or close from the center outwards.
- **Dual Track Open in Both Directions:** For layered curtains, each track can operate independently.



Figure 12: Different curtain opening and closing methods.

6. Maintenance

To ensure the longevity and smooth operation of your Blindsmart Smart Electric Curtain Track System, follow these maintenance guidelines:

- **Cleaning:** Periodically wipe the track and motor housing with a soft, dry cloth to remove dust. Avoid using abrasive cleaners or solvents.
- **Track Inspection:** Regularly check the track for any obstructions or debris that might hinder curtain movement. Ensure all runners move freely.
- **Motor Care:** The motor is designed for quiet operation. If you notice unusual noises, ensure the track is clean and free of obstructions. Do not lubricate the motor or track unless specifically instructed by customer support.
- **Power:** Ensure the power cable is securely connected and not damaged.

7. Troubleshooting

If you encounter issues with your Smart Electric Curtain Track System, refer to the following common problems and solutions:

- **Curtains not moving or stopping unexpectedly:**
  - Check if the power cable is securely plugged in.
  - Inspect the track for any obstructions (e.g., tangled curtain fabric, debris).
  - If the motor is unresponsive, try unplugging it from the power source for 30 seconds and then plugging it back in.
  - Ensure the curtain weight does not exceed the maximum capacity of 50 KGs.
- **Remote control not working:**
  - Check the remote control's battery and replace if necessary.
  - Ensure the remote is within range of the curtain system.
  - Refer to the remote control's specific pairing instructions if it has become unpaired.
- **App or voice control not responding:**
  - Verify that your home WiFi network is active and the curtain system is connected.
  - Check the status of your smart home hub (e.g., HomePod, Apple TV) if using HomeKit remote access.
  - Ensure the smart home app (HomeKit, Alexa, Google Home) is updated to the latest version.
  - Try restarting your router and the curtain motor.
- **Difficulty during assembly:**
  - Review the track assembly instructions carefully, paying attention to track connectors and ensuring they are perfectly stitched.
  - Ensure adequate space is reserved as per the installation tips (Section 4.3).

If the problem persists after attempting these solutions, please contact Blindsmart customer support for further assistance.

8. Warranty and Support

Blindsmart products are manufactured to high-quality standards. For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Blindsmart website. Keep your purchase receipt as proof of purchase for warranty claims.

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