MotionBlinds CM-03

Coulisse Tubular Bluetooth Motor User Manual

Model: CM-03

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Coulisse Tubular Bluetooth 1.1 nm Motor (CM-03) for Smart Home Roller Blind Automation. This motor is designed for use with 30-50mm tubes, offering a seamless and intelligent solution for controlling your window coverings. The MotionBlinds CM-03 motor simplifies automation with features like quick smartphone setup, timer programming, and optional smart home integration. Its design focuses on simplicity, cable-free installation, and user privacy by storing data locally on the motor.
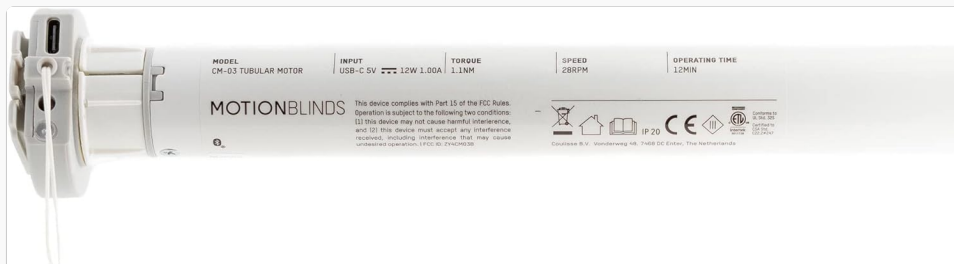

Image 1.1: Coulisse Tubular Bluetooth Motor (CM-03) with specifications label.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in injury or damage to the product.

- Ensure the power supply is disconnected before performing any installation or maintenance.
- Do not expose the motor to moisture or extreme temperatures.
- Keep children and pets away from moving blinds.
- Only use accessories and parts specified by the manufacturer.
- If the power cable is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

3. PRODUCT COMPONENTS

The CM-03 motor system includes the tubular motor and various accessories for installation into roller blind tubes. Please verify all components are present before beginning installation.
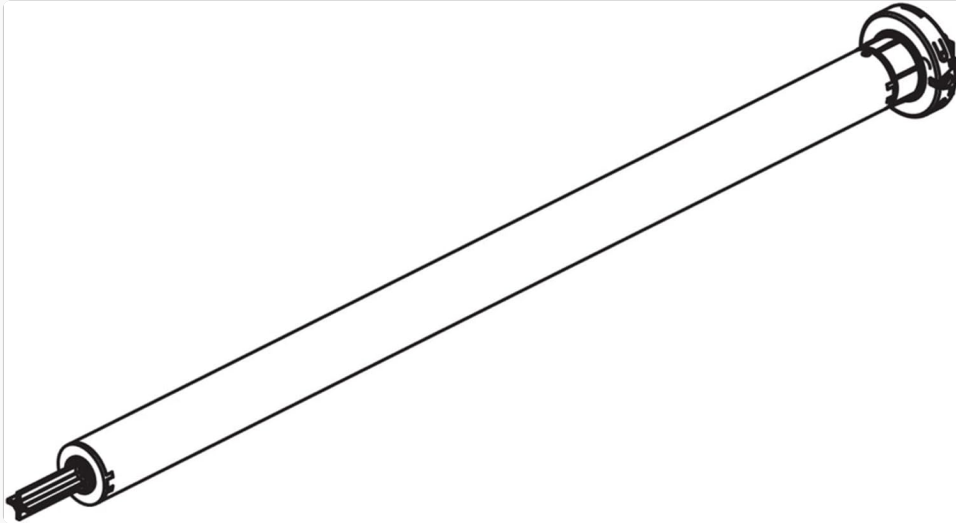

Image 3.1: Overview of CM-03 motor and associated components/accessories.

Key components and accessories may include:

- CM-03 Tubular Motor
- Drive plug (e.g., RC3083-ABC for 38mm DC motor)
- Crown adapter (e.g., RC3084-ABC for 25-38mm)
- USB-C charging cable (CM-41)
- Pull cord connector (CM-37-TR)
- Setup-code tassel cover (PU06-*)

Specific adapters and plugs will depend on your roller blind tube diameter (30-50mm).

4. SETUP AND INSTALLATION

The MotionBlinds CM-03 motor is designed for quick and easy setup. Follow these steps for installation and initial configuration.

4.1 Mechanical Installation

- Insert the motor into the roller blind tube, ensuring it fits securely with the appropriate drive plug and crown adapter.
- Mount the roller blind assembly into your window frame or desired location according to your blind system's instructions.

Image 4.1: Diagram illustrating the tubular motor within a blind tube.

4.2 Smartphone Configuration (Bluetooth)

Configuration of your Bluetooth motorized window covering takes just a minute using the MotionBlinds Bluetooth app.

- Download the MotionBlinds Bluetooth app from your smartphone's app store.
- Open the app and follow the on-screen instructions.
- Scan the setup code located on the motor or its packaging.
- Complete the few easy steps in the app to pair the motor and set the upper and lower limits of your blind.
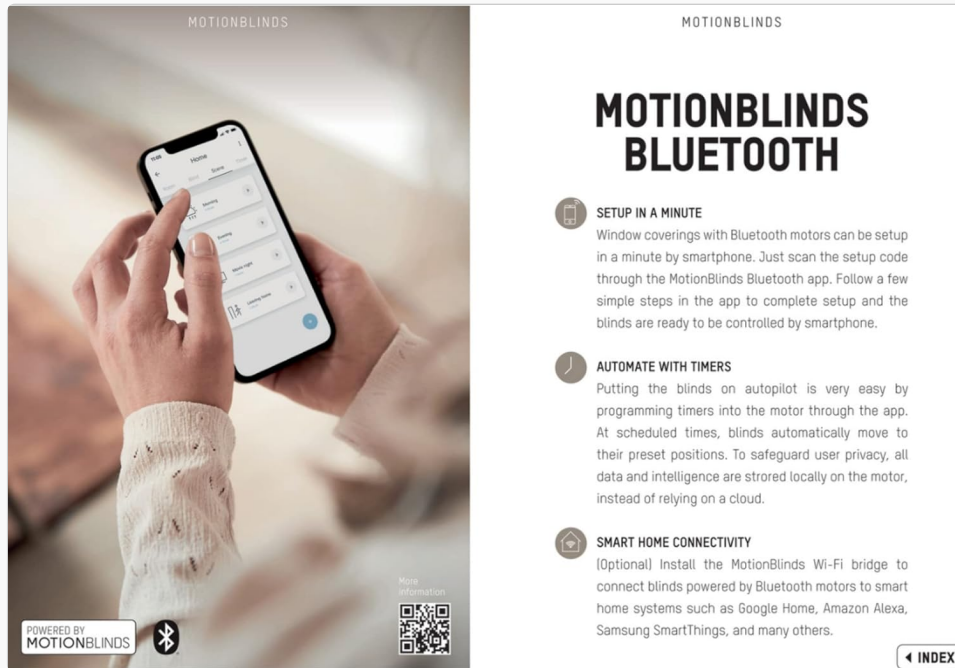

Image 4.2: Using the MotionBlinds Bluetooth app for setup.

For more information and setup guides, you can visit the official MotionBlinds resources, such as https://rtube.nl/red1917.

Image 4.3: Visual representation of key setup features: Setup in a minute, Automate with timers, Simple assembly and cable-free installation.

5. Operating the Motor

Once set up, your MotionBlinds CM-03 motor can be controlled via the MotionBlinds Bluetooth app or integrated into smart home systems.

5.1 App Control

Use the MotionBlinds Bluetooth app to manually control your blinds (open, close, stop) and to set intermediate positions.

5.2 Automate with Timers

Programming timers into the motor via the app makes it simple to put the blinds on autopilot. At scheduled times, blinds naturally move to their pre-set positions. All data and intelligence are stored locally on the motor rather than in the cloud to protect user privacy.

5.3 Smart Home Connectivity (Optional)

To integrate your blinds with smart home systems like Google Home, Amazon Alexa, and others, you can install the MotionBlinds Wi-Fi bridge (sold separately). This bridge allows for voice control and advanced automation scenarios within your smart home ecosystem.
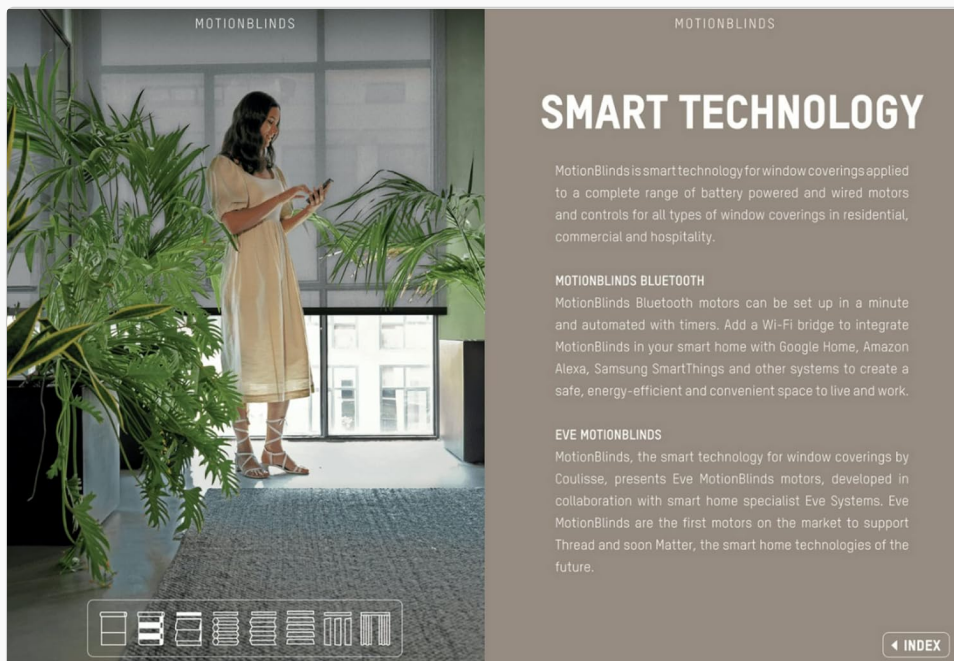

Image 5.1: Demonstrating smart technology integration for window coverings.

6. Maintenance

The Coulisse Tubular Bluetooth Motor (CM-03) requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Wipe the motor casing with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Battery Charging:** The motor is battery-powered. Recharge the motor using the provided USB-C cable when the battery indicator (if available) signals low power or when performance degrades. The charging time is approximately 12 minutes for operation.

- **Firmware Updates:** Periodically check the MotionBlinds Bluetooth app for any available firmware updates for your motor to ensure optimal performance and access to new features.

7. TROUBLESHOOTING

If you encounter issues with your CM-03 motor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Motor not responding	Low battery; Bluetooth connection issue; Motor not paired.	Charge the motor; Ensure Bluetooth is enabled on your device and motor is within range; Re-pair the motor via the app.
Blind not moving to correct limits	Limits not set correctly.	Recalibrate the upper and lower limits using the MotionBlinds app.
Difficulty connecting to smart home system	Wi-Fi bridge not set up or connected; Network issues.	Ensure the MotionBlinds Wi-Fi bridge is properly installed and connected to your network; Check your home Wi-Fi connection.
Motor makes unusual noise	Obstruction in blind mechanism; Motor malfunction.	Check for any obstructions in the blind's path; If noise persists, contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the Coulisse Tubular Bluetooth Motor (CM-03):

Feature	Specification
Model Number	CM-03
Technology	Bluetooth, 433Mhz
Input	USB-C 5V, 1.00A, 12W
Torque	1.1 Nm
Speed	28 RPM
Operating Time	12 minutes
Motor Diameter	25 mm
Motor Length	580 mm
Min. Blind Width	635 mm
Tube Compatibility	30-50mm (specifically 38-42-50 mm)

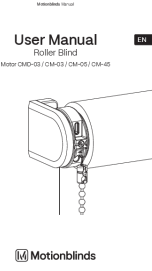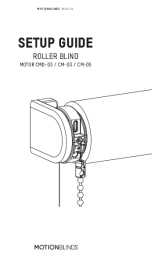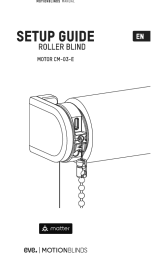| Feature	Specification
Approx. Blind Size (cm)	280x250
Battery Capacity	28.08Wh 2600mAh (10.8V)
Charging Life Cycle	350
Charging Time	12 months
Product Dimensions	22.5 x 2 x 2 inches
Item Weight	1.5 pounds
Material	Stainless Steel
Manufacturer	Coulisse
ASIN	B0BWSG56PR
UPC	655457587941
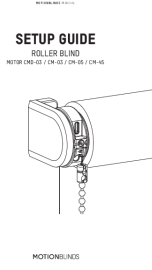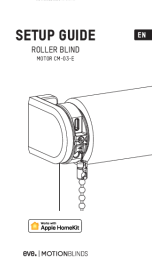
Image 8.1: Close-up of the motor's label showing input, torque, speed, and operating time.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact MotionBlinds customer service or refer to the official Coulisse website. Keep your purchase receipt as proof of purchase.
Manufacturer: Coulisse B.V., Vonderweg 48, 7468 DC Enter, The Netherlands.

Related Documents - CM-03

[MotionBlinds Roller Blind Setup Guide: CMD-03, CM-03, CM-05, CM-45 Motors](#)
Learn how to install, activate, and operate your MotionBlinds roller blind motors (CMD-03, CM-03, CM-05, CM-45) with this comprehensive setup guide. Includes safety, app integration, and pairing instructions.

[MotionBlinds Roller Blind User Manual: CMD-03, CM-03, CM-05, CM-45](#)
Comprehensive user manual for MotionBlinds motorized roller blinds (models CMD-03, CM-03, CM-05, CM-45), covering installation, setup, operation, and adjustments. Learn how to install, activate, and control your smart blinds with the MotionBlinds app.

[MotionBlinds Roller Blind Motor CM-03-E Setup Guide](#)
Comprehensive setup guide for the MotionBlinds Roller Blind Motor CM-03-E. Learn how to install, activate, connect to the Eve app, and use the motor with Apple HomeKit. Includes important safety, installation, and regulatory information.

[MotionBlinds Roller Blind Setup Guide: CMD-03, CM-03, CM-05 Motors](#)
Comprehensive setup guide for MotionBlinds roller blinds featuring CMD-03, CM-03, and CM-05 motors. Includes installation, activation, app setup, adjustments, and safety instructions.

[Roller Blind Motor CM-03-E Setup Guide](#)
Comprehensive setup guide for the Roller Blind Motor CM-03-E, detailing installation, activation, Matter integration, end position programming, and maintenance. Learn how to set up your smart roller blind for optimal performance and integration with your smart home.

Setup Guide
Roller Blind
Motor CMD-03 / CM-03 / CM-05 / CM-45
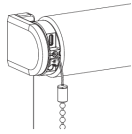
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[MotionBlinds Roller Blind Setup Guide - CMD-03/CM-03/CM-05/CM-45](#)
This setup guide provides essential information for installing and operating your MotionBlinds Roller Blind motor (models CMD-03, CM-03, CM-05, CM-45). Learn about safety, activation, app setup, pairing, and maintenance.