

Hotel Curtain Motor

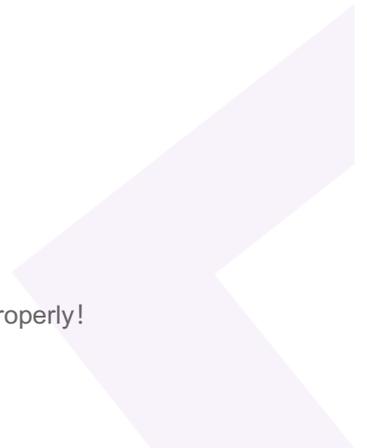
Instruction Manual



MWCM100DE-HT.11

Before using this product, please read this manual carefully and keep it properly!

Document Version: C



◆◆ Overview

Hotel Curtain Motor (Model No.: MWCM100DE-HT.11, hereinafter referred to as “the product” or “the device”) is designed to drive curtain track, such as opening or closing the curtain. Additionally, the device is compatible with commissioning software and mobile APP.

Key functions :

- HDL Buspro communication protocol
- Soft start / stop: Speed will be lower in initial and final phases.
- Open / close / stop / open or close at specific percentage
- Touch start during power outage: Manually start during power outage
- Touch start: Keep the motor powered on and manually pull the curtains to start running
- Auto pause while detecting obstruction: When curtain cloth encounters obstruction, the motor will automatically stop running.
- Automatic setting travel memory: When the device starts up for the first time after power off then on, it will automatically proceed travel calibration.
- Compatible with two-channel or multi-channel remote controllers, adopting 433 remote control

◆◆ Appearance

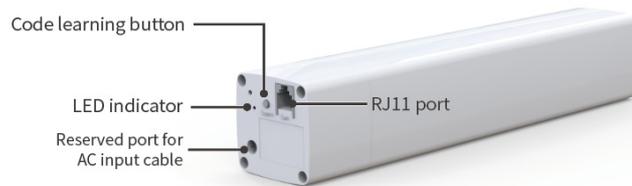


Figure 1



Figure 2

◆◆ Technical Data

Item	Parameter
Rated voltage	AC 100~240V, 50/60Hz
Communication protocol	Buspro
Rated power	40W
Motor duty cycle	S2, running time: 4min
Rated torque	1.5Nm
Motor maximum load	50kg
Motor sound level	<42DB at silent mode
Radio frequency	433Mhz
Remote control distance	>50m
Motor speed	14cm/S, can be set as 16cm/S
Working temperature	-20°C~50°C
Working relative humidity	≤90%RH, non-condensed
Storage temperature	-20°C~60°C
Storage relative humidity	≤93%

◆◆ Specifications

Item	Parameter
Dimensions (W X H X D)	50mm*50mm*280mm
Housing material	Aluminum
Installation	Wall hanging
IP degree (compliant with EN 60529)	IP40
Thermal fractionation	F

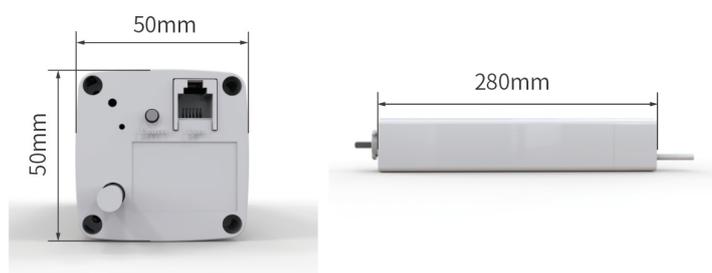


Figure 3

◆◆ Safety Precaution

Danger:

Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.

Warning:

- The installation and testing for the product must be carried out by HDL Automation Co., Ltd. (hereinafter referred to as HDL) or its appointed service agencies. The electric construction shall comply with local laws and safety regulations.
- HDL will not be responsible for any consequence caused by the inexpert or faulty installation and wiring methods, which are not in accordance with the instructions contained in this datasheet.
- Please contact HDL after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to the warranty.

Caution:

- Before performing any installation or disassembly procedures, any maintenance or cleaning procedures on the device, it is crucial to disconnect the device from all voltage sources. This step is necessary to ensure the safety of the technician and prevent any potential damage to the device.
- Do not use corrosive liquid to wipe the device body, especially the interface, so to avoid damage to the device.
- Do not wipe the device with a damp cloth.
- Prior to performing maintenance or cleaning on the device, disconnect the device from all voltage sources, to avoid electric leakage and electric shock.
- Kindly take note that the installation of the aforementioned device is recommended to be conducted in an indoor environment, with due consideration given to the avoidance of exposure to external factors such as humidity and high temperatures.
- After all of the cables are terminated, check for correct and good terminations.
- Kindly take note that the installation of the aforementioned device is recommended to be conducted in an indoor environment.
- It is strictly forbidden to apply any extra items whose weight exceed the motor or rail maximum load-bearing to the curtain track;
- When installing the motor onto the rail, be sure to check if the motor has been tightly attached in place. Otherwise, it will cause the motor to fall, resulting in product damage or personal injury.

◆◆ Wiring

Tips: For Buspro connection, a hand-in-hand connection is recommended. After all of the cables are terminated, check for correct and good terminations.

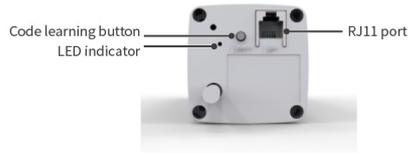


Figure 4

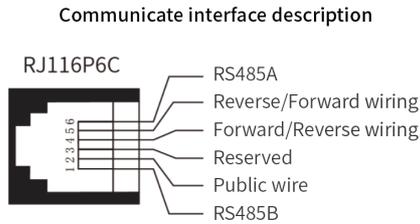


Figure 5

◆◆ Installation

Warning: Before performing any installation procedures on the device, it is crucial to disconnect the device from all voltage sources.

Tips: The device should be mounted onto the rail. Thus, please make sure the guide rail has been installed properly.

Step 1. Align the motor head with the slot of the rail.

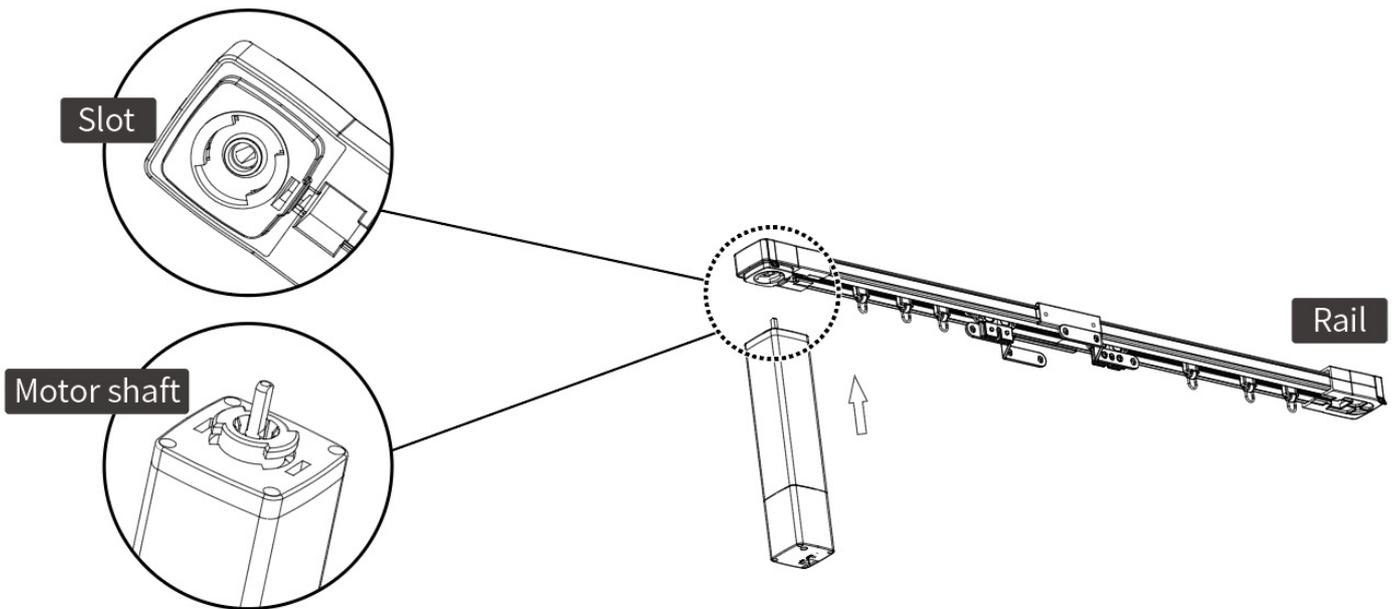


Figure 6

Step 2. Insert the motor shaft to the rail.

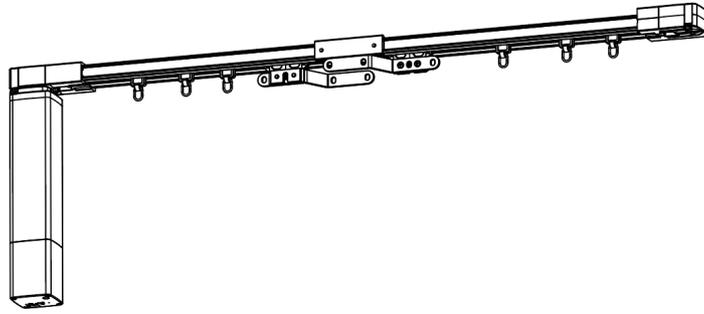


Figure 7

Step 3. Rotate the motor to make the positioning module lock the motor, and the motor installation is complete.

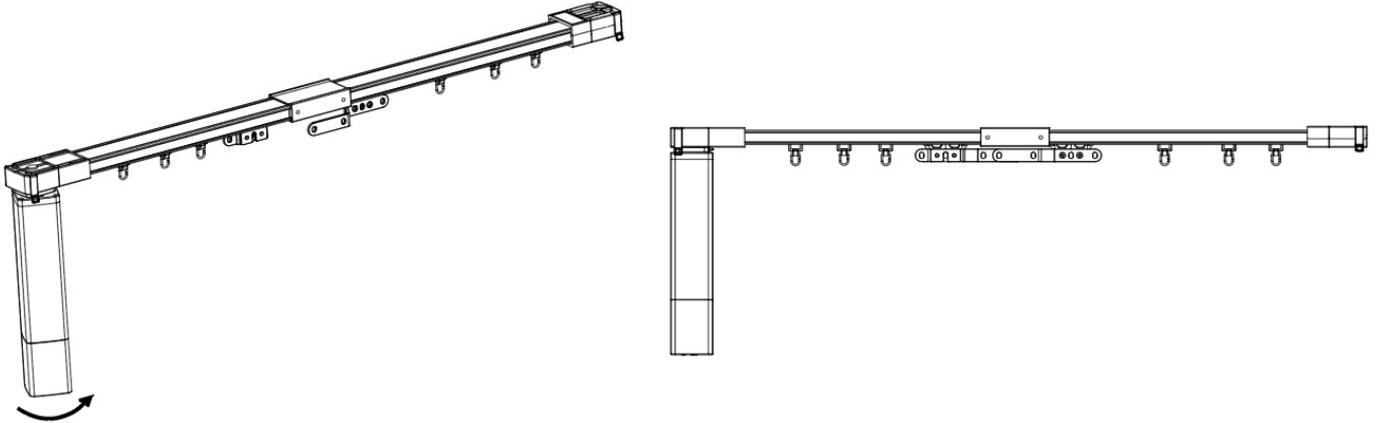


Figure 8

◆◆ Operation

The device is configured with one code learning button and one LED indicator.

Note: The following operations must be performed while the device is working normally.



Figure 8

Operation	Procedure	Status of indicator light
Learn codes	Press the code learning button on the motor once	LED indicator flashes quickly. Succeeded to learn codes
Enable/disable touch start (enabled by default)	Step 1: Long press the code learning button on the motor for 5 seconds until the light flashes slowly twice; Step 2: Press the stop button on the remote control, and the indicator flashes slowly 5 times	Succeeded to switch between touch start/close

Delete travel point	Method 1: Short press the setting button, open button, and the setting button once respectively on the remote control; Method 2: Short press the code learning button on the motor 5 times continuously	The indicator flashes slowly for 5 times. Deleted successfully
Change direction	Method 1: Short press the setting button twice and then the setting button on the remote control; Method 2: Short press the code learning button on the motor 5 times continuously	The indicator flashes slowly for 5 times. Succeeded to change direction
Delete the remote control	Short press the learn button on the motor 6 times continuously	The indicator flashes slowly for 6 times. Succeeded to delete the remote control
Restore factory settings	Method 1: Short press the setting button, open button and the close button once respectively on the remote control; Method 2: Short press the code learning button on the motor 7 times continuously	The indicator flashes slowly for 7 times. Succeeded to restore factory settings
Connect to Buspro gateway	Short press the code learning button 9 times, device ID changes to 51; Short press the code learning button 10 times, device ID changes to 52; Short press the code learning button 11 times, device ID changes to 53; Short press the code learning button 12 times, device ID changes to 54	The indicator flashes quickly. Connected.

Note: After running continuously for 4 minutes, the motor will automatically stop running.

◆◆ Packing List

- Curtain Motor*1
- Three-prong power cord*1
- RJ11 6P6C adapter*1 (Distributed in batches according to projects)

Note: After unpacking, please check if the product and the parts are complete.

◆◆ Warranty

Warranty period (five years from the date of invoice), if the product fails in normal use, the user can go to the nearest authorized institution with a valid warranty card to obtain free maintenance.

In the following cases, HDL regards the user as giving up the relevant services promised under the warranty and the user shall bear the corresponding responsibility and shall not be entitled to the free warranty:

- Failure of the device caused by force majeure factors.
- The user has placed the device in a transportation or use environment that does not comply with the statements in the product instructions or technical manuals.
- Unauthorized disassembly of the product by the user.
- Promises not made officially by HDL to the user that are beyond the scope of the warranty are the responsibility of the promisor.

HDL reserves the right to update or change the product without prior notice to the user, please visit the HDL website for answers to your questions and the latest product information.

The final interpretation right of the warranty regulations belongs to HDL.

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Update History:

The form below contains the information of every update. The latest version contains all the updates of all former versions.

Version	Update Information	Date
V1.0	Initial release	December 20, 2024

◆◆ Technical Support

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