INSTALLATION MANUAL

Manual Brel Bi-Directional Rollerblind motor

BLE 25

Read the manual before you begin the installation. If these instructions are not followed, this may lead to defects and injury in which warranty can't be claimed.

BREL HOME

www.brel-home.com

Visit our website for more manuals and information

BLE25

Scan the QR code here for the manual to download & view instructional videos

Table of Content

⚠ Warning

Do not operate the motor in humid surroundings.

The motor must be protected from direct moisture influences.

The motor must be installed correctly.

BREL-Motors declares that this motor has been manufactured according to the guidelines of the CE standard 1999/5/EC

Keep the antenna in a good condition and do not shorten. The antenna should not come into contact with other metal parts otherwise it will reduce the function.

Do not allow children to play with the roller blind control unit. Keep remote controls out of reach of children. Children cannot recognize the dangers of electrical equipment and are therefore not allowed to work with it

Keep these instructions for future reference

Wiring

Antenna

USB-C

LED Light

P1

BLE 25

P1

LED Light

USB-C

Antenna

Magnet Plug

BLE 25

Installing the Motor

These assemblies are usually already done in the factory

Attach the crown and wheel to the motor and place the clip on the shaft of the motor so that the wheel is fixed to the motor.

Install the motor with the motorbracket on the product and take care that it is secured.

Place the motor in the tube of the roller/shutter.

Works with BREL HOME USB
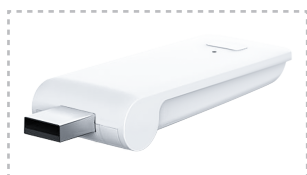
Brel-Home-USB

With the Brel-Home-USB you can control your motor with your Phone. You can make a time schedule and make scenario's. The Brel-Home-USB can be connected to Siri, Google Home and Alexa.

13:57

Showroom   Edit

Oranje   Rolluik   Screen   Houten J...   shutter-2

Screen

40%
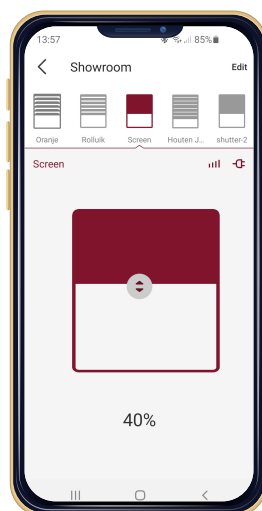
Technical data of the motor

	TYPE BLE25-11
Motor Voltage	DC 8V
Charge Voltage	DC 5V
Maximum Ampere Charger	2 A
Power	10 W
Torque	1.1 Nm
Speed	24-28-32 rpm
Amperage	1.2 A
Moisture and Dust	IP20
Storage capacity is up to 20 channels	

Working temperature of the motor	433 MHz	Heavy Use: -20°C tot +70°C	Normal Use: -10°C tot +40°C

Reach

L1 = 100 meter   L2 = 20 meter
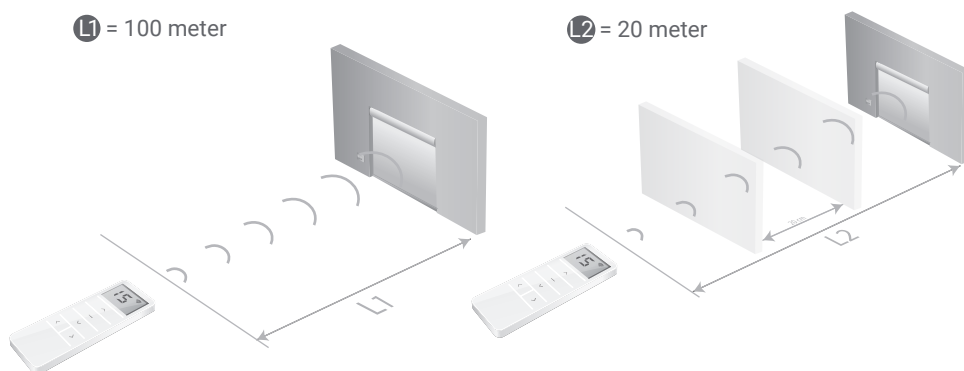
Charging the motor

If charging the BLE25 only use a charger with USB-C plug (5V)

The battery is empty when the motor light flashes red. The light flashes green while charging.

The battery is fully charged when the light stops blinking and lights-up continuously.

Functions Remote Control

Current Channel

Up

Stop

Down

Channel- C-

Channel+ C+

Programm Button P2
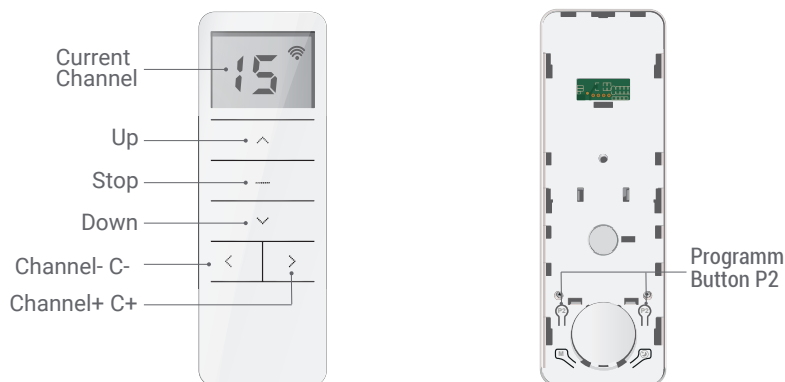
There are 2x P2 buttons, no matter which one you press.

Scan the QR code here for the manual to download & view instructional videos.
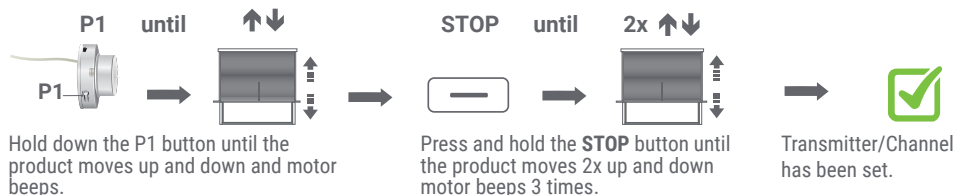
BLE25

Setting up the first remote/channel

The remote control can transmit 15 channels and therefore control multiple blinds. First, select a channel for operating the relevant roller blind. Make sure that you select a free channel (we recommend only 1 product per channel).

This remote has also channel 0. All blinds programmed in channel 1~15 are automatically programmed in this channel 0 and can be operated all at once.

In case you have selected the wrong channel, go to **Resetting factory settings**.
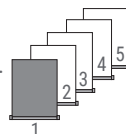
▶ **Select the desired channel.**

Establishing connection

In the procedures described here is a maximum interval of 10 seconds to complete each subsequent action: if you wait any longer, the system will leave the edit mode.

Normally a button only needs to be pressed shortly. If you need to press and hold a button for several seconds this will be state clearly.

The system will confirm each completed step with moving the blind up and down (↕).

If a procedure does not play out as described, wait for 20 seconds and start again from the beginning of that step/procedure.

P1 **until** ↑↓ **STOP** **until** **2x** ↑↓

Hold down the P1 button until the product moves up and down and motor beeps.

Press and hold the **STOP** button until the product moves 2x up and down motor beeps 3 times.

Transmitter/Channel has been set.

⚠ If NO end positions are set, the product will move in the pulse / step operation. Go then to **STEP 3.**
If end positions are set, the product will continue to its end position. Go then to **STEP 5.**
WARNING: It is possible that the correct end positions have not been set. Go then to **OPTION A.**

Step 3 **Adjusting the direction of rotation** *(Only if the direction of rotation is not correct)*

Only possible if no end positions are set.

▲ + ▼   until   1x ↑↓
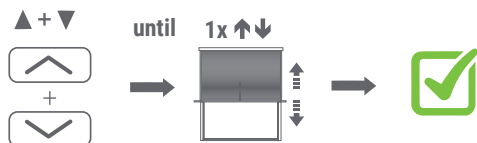
Press **UP** and **DOWN** button simultaneously, until the product moves.

The direction of rotation of the motor is **OK.**

Step 4 **Setting the End Limits**

🔘 To move the motor one step: briefly press the **UP** or **DOWN** button

🔘 To move the motor continuously: press the **UP** or **DOWN** button for 3 seconds (ATTENTION! Press **STOP** in time)

1. Set the desired top position

▲ + STOP   until 2x ↑↓

Use the operating buttons to move the product to the desired **TOP** position

Press **UP** and **STOP** simultaneously, until the product moves 2x and beeps 3 times.

The desired top position is set.

2. Set the desired bottom position

STOP + ▼   until 2x ↑↓

Use the operating buttons to move the product to the desired **BOTTOM** position.
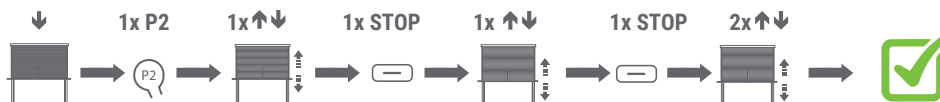
Press **DOWN** and **STOP** simultaneously, until the product moves 2x and beeps 3 times.

The desired bottom position is set.

🔘 **The roller blind is now ready for use.**

🔘 If you are not satisfied with the result of setting the end positions, go to Option A - adjusting positions or **Resetting factory settings.**

Step 5 **Setting the favorite position** (If desired)

↓   1x P2   1x↑↓   1x STOP   1x ↑↓   1x STOP   2x↑↓

Go to the desired favorite position

Press 1x **P2** The product moves 1x up and down and beeps 1 times.

Press 1x **STOP** button. The product moves 1x up and down and beeps 1 times.

Press 1x **STOP** button. The product moves 2x up and down for confirmation and beeps 3 times.

🔘 **Press and hold STOP for 3 seconds to move to the favorite position.**

🔘 **Since the procedure is identical, to remove it repeat the steps.**

Additional settings

Option A Adjusting the top position

🔴 If adjustment is not possible, go to **Resetting factory settings**.

STOP+▲ until↑↓   ↑   **STOP**+▲ until 2x↑↓

Press at the same time **STOP** and **UP** until the motor moves and beeps 1 times.

Go to the new top position.

Press at the same time **STOP** and **UP** button, until the motor 2x moves and beeps 3 times.

Adjusting the down position

🔴 If adjustment is not possible, go to **Resetting factory settings**.

STOP +▼ until↑↓   ↑   **STOP** + ▼ until 2x↑↓

Press at the same time **STOP** and **DOWN** until the motor moves and beeps 1 times.

Go to the new bottom position.

Press at the same time **STOP** and **DOWN** button, until the motor 2x moves and beeps 3 times.

Option B Learn Extra transmitter/channel

Only possible when end limits are set.

a = *Already existing transmitter/channel*   **b** = *New transmitter/channel*

⚠NOTE **It is not possible to connect the DD116 or DD118 to a BLE 25 motor**

Method 1

P2 a   ↑↓   P2 a   ↑↓   P2 b   2x ↑↓

Press **P2 of a**. The product moves 1x up and down and beeps 1 time.

Press **P2 of a.** The product moves 1x up and down and beeps 1 time.

Press **P2 of b**. The product moves 2x up and down beeps 3x and beeps 3 times.

The transmitter **b** has been added.

🔴 **Make sure the new transmitter is in the desired channel.**

🔴 **To remove the emitter/channel repeat the same procedure.**

Method 2 (In case the old transmitter is lost or broken)

P1 a   until   ↑↓   STOP b   until   2x ↑↓

Press **P1 of a**. The product moves 1x up and down and beeps 1 times.

Press **1xSTOP of b.** The product moves 2x up and down and beeps 3 times.

The new transmitter **b** has been added.

🔴 **To remove the emitter/channel repeat the same procedure.**

Option C Pulse / jog control

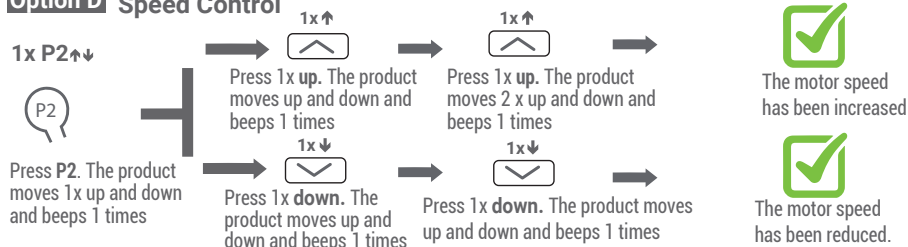▲+▼   until   1x↑↓   1x STOP   1x↑↓ **and beeps 1 times**

Press and hold **UP** and **DOWN** button, until the product moves up and down.

Press 1x **STOP** button.

Pulse / jog on

Pulse / jog off

2x ↑↓ **and beeps 3 times**

Option D | **Speed Control**

1x P2↑↓

(P2)

Press **P2**. The product moves 1x up and down and beeps 1 times

1x ↑

Press 1x **up.** The product moves up and down and beeps 1 times

1x ↑

Press 1x **up.** The product moves 2 x up and down and beeps 1 times

✅ The motor speed has been increased

1x ↓

Press 1x **down.** The product moves up and down and beeps 1 times

1x ↓

Press 1x **down.** The product moves up and down and beeps 1 times

✅ The motor speed has been reduced.

🔶 **If the motor does NOT react after this action, it is already at the highest or lowest speed.**

🔶 **There are 3 different speeds; Namely : Speed must be 24rpm - 28rpm - 32rpm.**
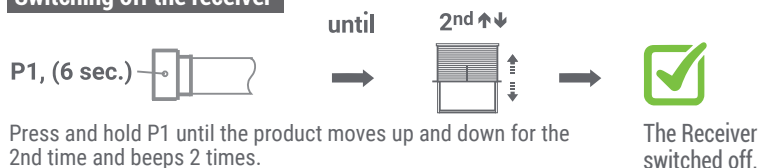
🔶 **If the speed has been changed the slow stop is activated. To deactive the slow stop you have to reset the motor.**

Additional settings P1 button   Can be used without a transmitter as an operating button.

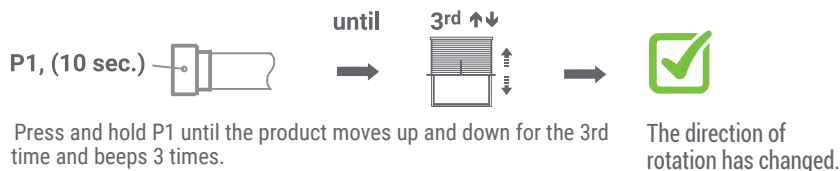**1x P1**   The product moves up, stops or goes down when pressed P1.

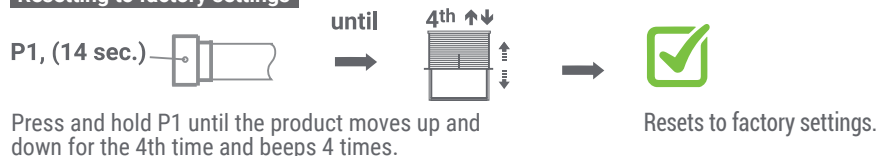Press 1x **P1** on the motor.

Switching off the receiver

P1, (6 sec.)   until   **2nd ↑↓**   ✅

Press and hold P1 until the product moves up and down for the 2nd time and beeps 2 times.

The Receiver switched off.

To reactivate the receiver, briefly press P1 once.

Changing the direction of rotation

P1, (10 sec.)   until   **3rd ↑↓**   ✅

Press and hold P1 until the product moves up and down for the 3rd time and beeps 3 times.

The direction of rotation has changed.

Resetting to factory settings

P1, (14 sec.)   until   **4th ↑↓**   ✅

Press and hold P1 until the product moves up and down for the 4th time and beeps 4 times.

Resets to factory settings.

🔶 **To apply new settings: go to step 1**

Changing Batteries