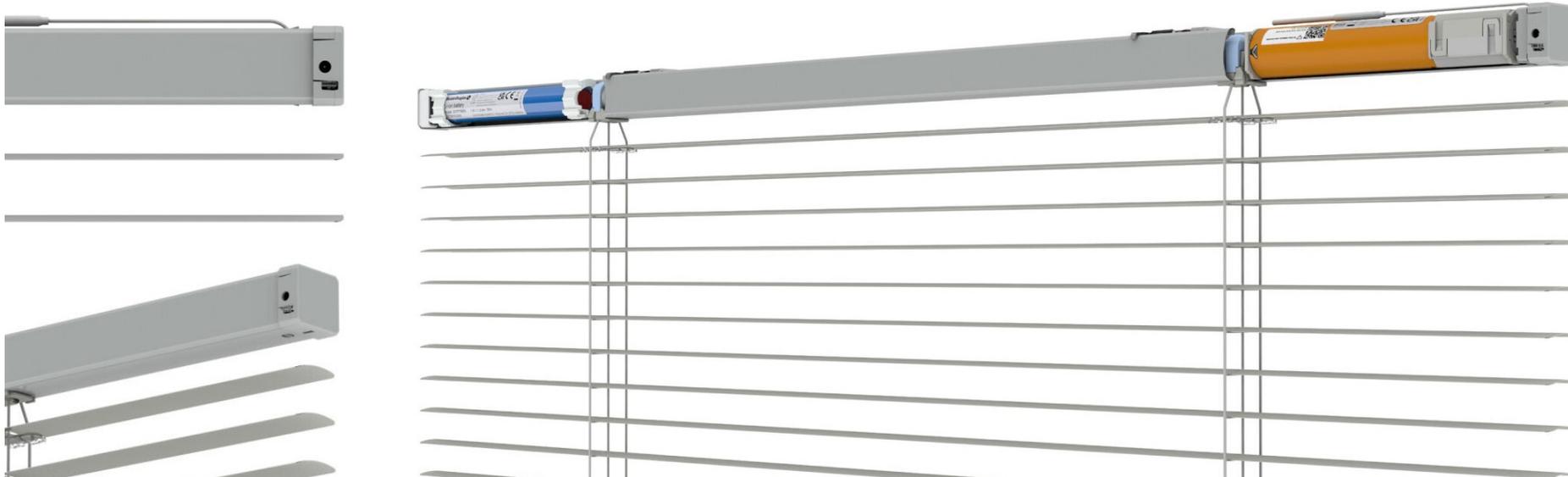


Bliss[®] Smart Blinds

Motor data sheet

M25S-G2
Universal





App and Remote Control

Operation to the motor can be controlled via the Bliss® App allowing individual or multiple blind control. Custom scenes and timers can be added providing operational flexibility throughout the day and night. The optional remote control can accommodate five individual group channels together with all groups control.

Smooth operation

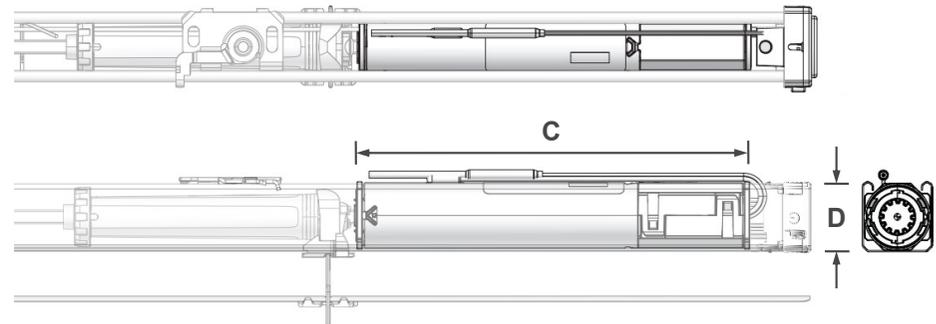
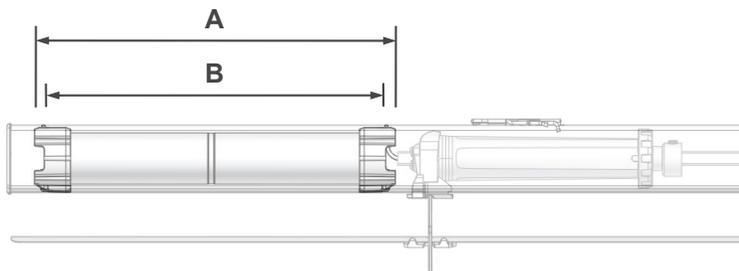
Engineered components and quiet motor gearbox allow for smooth and precise operation using either the Bliss® App or remote control.

Variable motor speed

The motor is available with three speeds; Standard, Comfort or Slow. Each speed can be used with manual control or via the timer feature. Simply use the Bliss® App or remote control to change motor speed.

Integrated rechargeable battery

The integrated Li-ion rechargeable battery ensures the blind is free from visible power cables, allowing for a clean, easy installation. The battery is charged using the Bliss® DC charger.



Size Limitation

| Product | Model | Min Width (mm) | Max Width (mm) | Min Height (mm) | Max Height (mm) | Max Area (m2) | Notes |
|-------------------|---------------------|----------------|----------------|-----------------|-----------------|---------------|---|
| Pleated / Duette® | AA10 / BA10 / BA16 | 620 - 700* | 2350 - 3600* | 250 | 2600 / 3000* | 6 / 6 / 5* | *Fabric / model dependent. See technical manual |
| Duette® | AA40 / AA70 | 810 - 920* | 2100 / 3200* | 300 - 320* | 1100 - 2600* | 4 / - | *Fabric / model dependent. See technical manual |
| Venetian | 16 / 25 / MegaView® | 560 | 2700 / 3300* | 200 | 2300 / 3000* | 4.5 / 5* | *Slat size dependent. See technical manual |
| Roman | AA10 | 620 | 3000 | 600 | 3000 | 6* | *Fabric dependent. See technical manual |

Specifications

| | | | | | |
|-------------------------------|------------------------|----------------------------|------------------------------|---|---------------------|
| Dim. A (mm) | 150 | Approvals | CE / UKCA | Battery voltage (VDC) | 7,4 |
| Dim. B (mm) | 134 | Operating temperature (°C) | -10 ... 60 | Standby power consumption (µA) | 100 |
| Dim. C incl. fixation (mm) | 143 / 154 ¹ | Charging temperature (°C) | 0 ... 45 | Battery charge cycles | 500 (>80% capacity) |
| Dim. D | 35 | Max. run time (mins) | 10 | Battery lifetime (months) | 3-6 (1 cycle / day) |
| Weight (g) | 127 | Standard speed (rpm) | 25 | App protocol | BLE 4.2 |
| Input | 7.4V, 1A | Comfort speed (rpm) | 20 | Remote protocol (Ghz) | 2,4 |
| Nominal power consumption (A) | 0,8 | Slow speed (rpm) | 15 | Open area range (m) | < 40 |
| Nominal torque (Nm) | 0,8 | Type of battery | Internal rechargeable Li-ion | Charging specifications | |
| Stall torque @ 25°C (Nm) | 1,0 | Battery capacity (mAh) | 2000 | See article 17.0921.0000 (Bliss Charger EU) | |
| Protection rate | IP20 | Battery power (Wh) | 14,8 | See article 17.0922.0000 (Bliss Charger UK) | |

¹ 143 mm using art. 15.6185.0952 (Venetian)
154 mm using art. 29.7618.0000 (Pleated, Duette®, Roman)

1 Parts List

M25S-G2

Venetian Blind
16 mm
25 mm
MegaView®

Key

Ref.

Reference for the component marked in the exploded view

Article Number

Colour Number

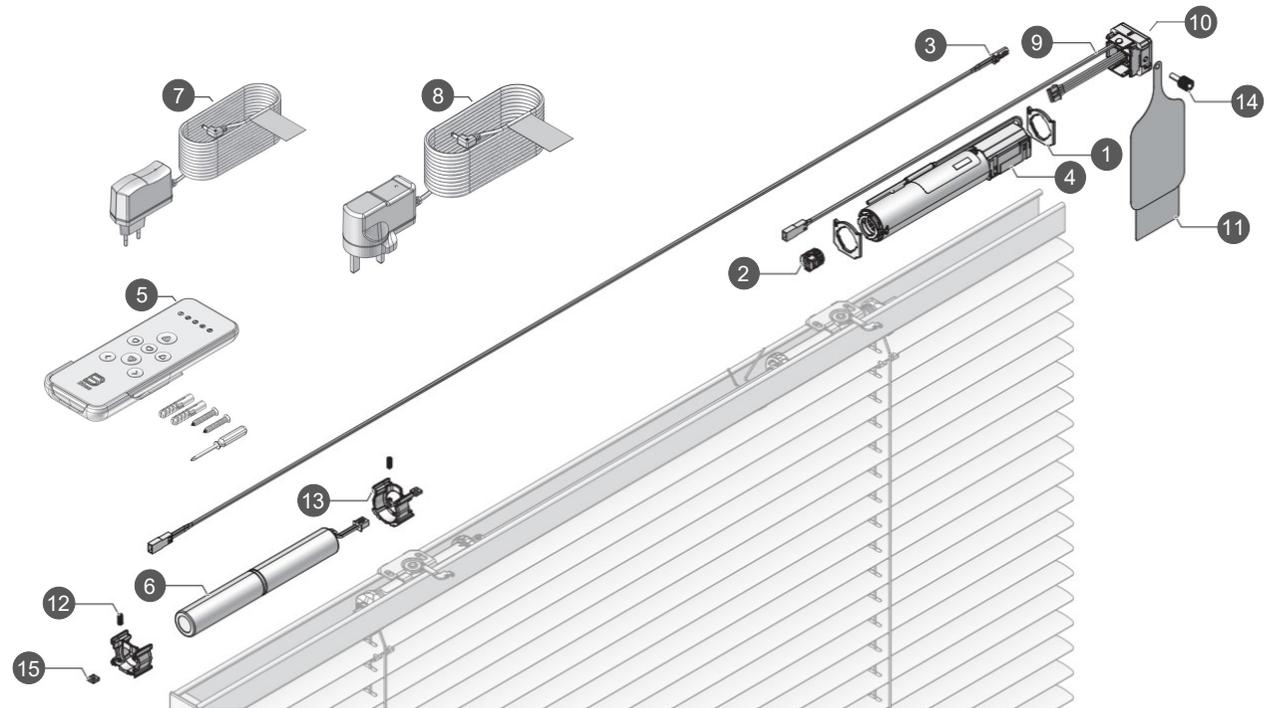
0000 Raw / No Colour
0155 White
0952 Light Grey
1601 Dark Grey
5100 Red

Description

Article name

Packing

Pieces per packing unit



| Ref. | Article | Colour | Description | Packing | Ref. | Article | Colour | Description | Packing |
|------|---------|--------|------------------------------|---------|------|---------|----------------------|----------------------------|---------|
| 1 | 15.6185 | 0952 | Motor Adapter VB | 500 pc | 9 | 17.0941 | 0000 | Bliss® PCBA VB HR Gen 2 | 30 pc |
| 2 | 15.6187 | 0952 | Adapter square 5x5 | 100 pc | 10 | 17.0942 | 0155 0952 1601 | Bliss® VB Endcap Set Gen 2 | 20 pc |
| | 17.0375 | 0000 | Battery cable 800 mm | 25 pc | 11 | 17.0999 | 0000 | Bliss® Product ID Label | 500 pc |
| 3 | 17.0376 | 0000 | Battery cable 1300 mm | 25 pc | 12 | 29.7546 | 0000 | Grubscrew M3x8 cupped | 250 pc |
| | 17.0377 | 0000 | Battery cable 1800 mm | 25 pc | 13 | 29.7619 | 0000 | Internal Battery Support | 200 pc |
| 4 | 17.0913 | 0000 | Bliss® M25S Uni Gen 2 | 50 pc | 14 | 29.7678 | 5100 | Transport Plug Battery | 200 pc |
| 5 | 17.0914 | 0000 | Bliss® RW-5 Remote Gen 2 | 20 pc | 15 | 29.7857 | 0000 | Square nut M3 | 250 pc |
| 6 | 17.0916 | 0000 | Bliss® Internal Battery 7.4V | 80 pc | | | | | |
| 7 | 17.0921 | 0000 | Bliss® Charger EU | 80 pc | | | | | |
| 8 | 17.0922 | 0000 | Bliss® Charger UK | 80 pc | | | | | |

1 Parts List

M25S-G2

Pleated Blinds
Duette® Shades
Roman Blinds

Key

Ref.

Reference for the component marked in the exploded view

Article Number

Colour Number

0000 Raw / No Colour
0952 Light Grey
5100 Red
7178 Transparent

xxxx

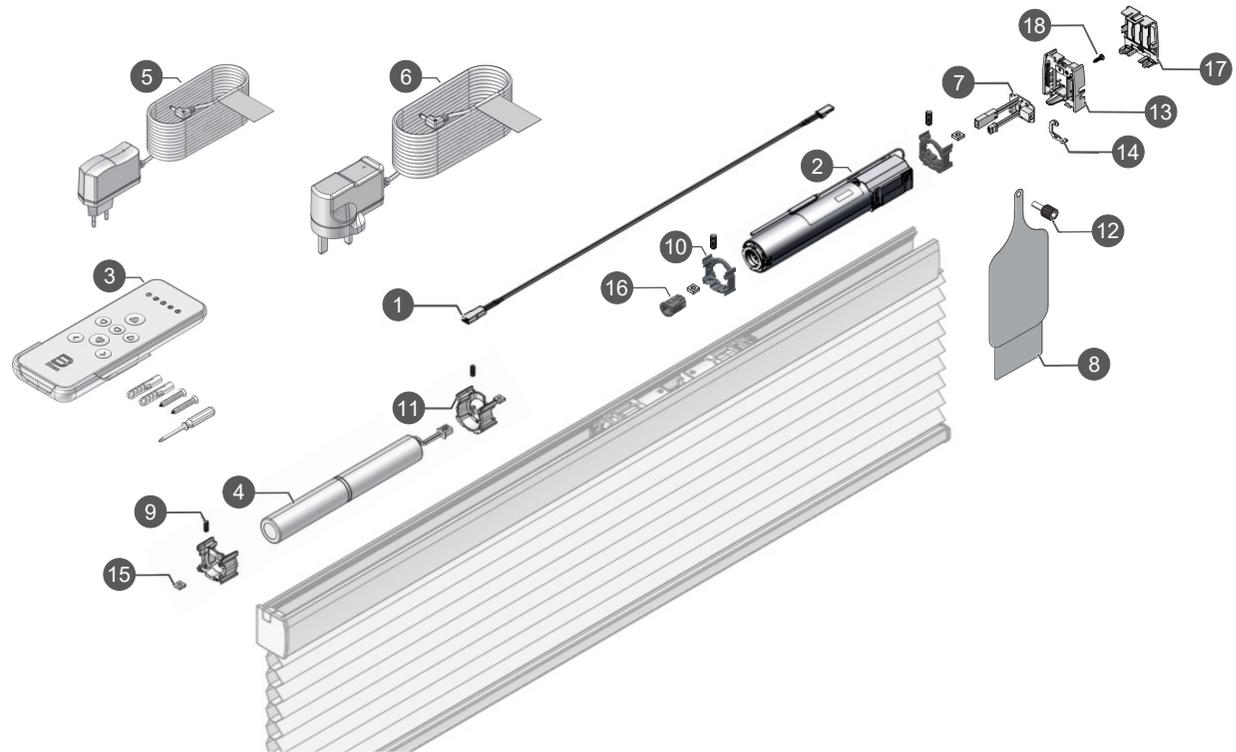
0155 Chi. White
1858 Black
4459 Magnolia
4950 Bronze Brown
7172 Silver
7199 Metal Grey

Description

Article name

Packing

Pieces per packing unit



| Ref. | Article | Colour | Description | Packing | Ref. | Article | Colour | Description | Packing | |
|------|---------|--------|------------------------------|---------|------|---------|---------|---------------|--------------------------|------------------------|
| 1 | 17.0375 | 0000 | Battery cable 800 mm | 25 pc | 10 | 29.7618 | 0000 | Motor Support | 200 pc | |
| | 17.0376 | 0000 | Battery cable 1300 mm | 25 pc | | 11 | 29.7619 | 0000 | Internal Battery Support | 200 pc |
| | 17.0377 | 0000 | Battery cable 1800 mm | 25 pc | | | 12 | 29.7678 | 5100 | Transport Plug Battery |
| 2 | 17.0913 | 0000 | Bliss® M25S Uni Gen 2 | 50 pc | 13 | | | 29.7696 | xxxx | PCB Holder Gen 2 |
| 3 | 17.0914 | 0000 | Bliss® RW-5 Remote Gen 2 | 20 pc | | 14 | | 29.7697 | 7178 | Button Gen 2 |
| 4 | 17.0916 | 0000 | Bliss® Internal Battery 7.4V | 80 pc | | | 15 | 29.7857 | 0000 | Square nut M3 |
| 5 | 17.0921 | 0000 | Bliss® Charger EU | 80 pc | 16 | | | 29.7688 | 0952 | Adapter square 5x5 |
| 6 | 17.0922 | 0000 | Bliss® Charger UK | 80 pc | | 17 | | 29.7698 | xxxx | PCB Cover Gen 2 |
| 7 | 17.0940 | 0000 | Bliss® PCBA PBDB HR Gen 2 | 30 pc | | | 18 | 29.7932 | 0000 | Screw 2.2x8 Pz.1 |
| 8 | 17.0999 | 0000 | Bliss® Product ID Label | 500 pc | | | | | | |
| 9 | 29.7546 | 0000 | Grubscrew M3x8 cupped | 250 pc | | | | | | |

2 Remote Control

M25S-G2

RW-5 Gen 2

Venetian Blind
16 mm
25 mm
MegaView®

Key

Ref.

Reference for the component marked in the overview

Item

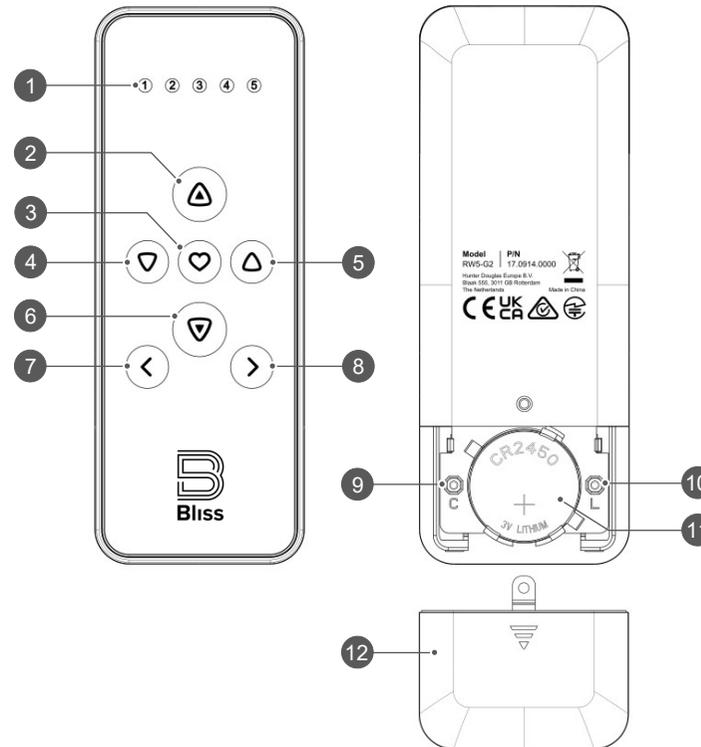
Button description

Function

Blind behaviour when button is pressed

Action

Additional feature button press sequence



Additional Features

| Ref. | Action |
|--------|--|
| 3 | Lower blind / tilt open: Press and hold (3) for approx. 2 seconds to operate blind to the bottom and tilt slats to 90° position |
| 3 + 2 | Change motor speed: Press and hold (3) and (2) together for 3 seconds to change motor speed (Standard, Comfort or Slow) ⁵ |
| 10 + 3 | Add favourite: Press and hold (10) and (3) together for 3 seconds to set favourite position ⁵ Delete favourite: Operate blind to favourite position (3) followed-by same button press sequence used to add favourite position ⁵ |

General

| Ref. | Item | Function |
|------|------------------|--|
| 1 | Group channels | Active channel(s) blue backlight ¹ |
| 2 | Up | Move towards top limit |
| 3 | Stop / Favourite | Stop blind motion / activate pre-defined favourite position ³ |
| 4 | Adjust down | Adjust blind position ⁴ |
| 5 | Adjust up | Adjust blind position ² |
| 6 | Down | Move towards bottom limit |
| 7 | Channel previous | Select previous channel 1 to 5 or all channels |
| 8 | Channel next | Select next channel 1 to 5 or all channels |
| 9 | C button | Button to add / remove blind |
| 10 | L button | Button to set favourite position ³ |
| 11 | Battery CR2450 | - |
| 12 | Battery cover | - |

¹ The blue backlight active channel goes to sleep after 4 seconds of inactivity

² 'Adjust up' button will move the blind at a very slow continuous speed

³ See 'Additional Features'

⁴ 'Adjust down' button will move the blind at a very slow continuous speed

⁵ See Section 4, page 10 for more details

2 Remote Control

M25S-G2

RW-5 Gen 2

Pleated Blinds
Duettes® Shades
Roman Blinds

Key

Ref.

Reference for the component marked in the overview

Item

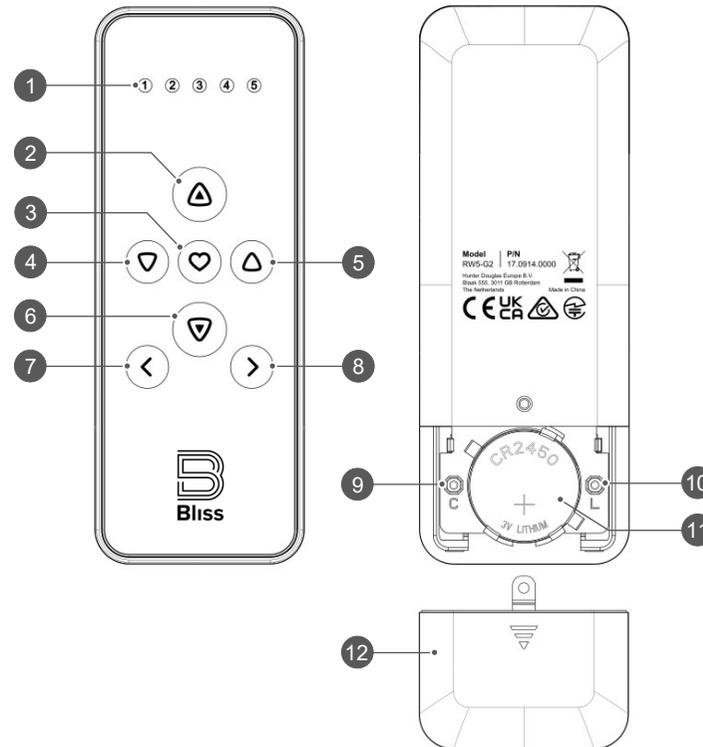
Button description

Function

Blind behaviour when button is pressed

Action

Additional feature button press sequence



Additional Features

| Ref. | Action |
|--------|--|
| 3 + 2 | Change motor speed: Press and hold (3) and (2) together for 3 seconds to change motor speed (Standard, Comfort or Slow) ⁵ |
| 10 + 3 | Add favourite: Press and hold (10) and (3) together for 3 seconds to set favourite position ⁵ Delete favourite: Operate blind to favourite position (3) followed-by same button press sequence used to add favourite position ⁵ |

General

| Ref. | Item | Function |
|------|------------------|--|
| 1 | Group channels | Active channel(s) blue backlit ¹ |
| 2 | Up | Move towards top limit |
| 3 | Stop / Favourite | Stop blind motion / activate pre-defined favourite position ³ |
| 4 | Adjust down | Adjust blind position ⁴ |
| 5 | Adjust up | Adjust blind position ² |
| 6 | Down | Move towards bottom limit |
| 7 | Channel previous | Select previous channel 1 to 5 or all channels |
| 8 | Channel next | Select next channel 1 to 5 or all channels |
| 9 | C button | Button to add / remove blind |
| 10 | L button | Button to set favourite position ³ |
| 11 | Battery CR2450 | - |
| 12 | Battery cover | - |

¹ The blue backlit active channel goes to sleep after 4 seconds of inactivity

² 'Adjust up' button will move the blind at a very slow continuous speed

³ See 'Additional Features'

⁴ 'Adjust down' button will move the blind at a very slow continuous speed

⁵ See Section 4, page 10 for more details

3 Status Feedback

M25S-G2

Venetian Blind
16 mm
25 mm
MegaView®

Pleated Blinds
Duette® Shades
Roman Blinds

Key

Description

Motor / Battery status

LED Sequence

LED flash sequence

Buzzer

Motor feedback - audible noise

Jog

Motor feedback - movement

Ref.

Reference for the component marked in the overview

Item

Motor buttons / port explanation

LED / Buzzer / Jog Chart

| Description | LED Sequence | Buzzer | Jog |
|--|--|--|-----|
| Battery is being charged (Charger LED) |  continuous | | |
| Battery fully charged (Charger LED) |  continuous | | |
| Error / No Limits / Low battery |  |  | |
| Motor start-up |  |  | |
| Acknowledge / Saving action |  |  | 1x |
| Waiting for settings button action |  1s ... 1s 8x | | |
| Remote pairing mode |  1s ...  1s 8x |  1s ...  1s 8x | |
| Enter limit adjusting mode |  1s ...  1s 4x |  | 1x |
| Over-the-air update finished |  |  | 1x |

Functions

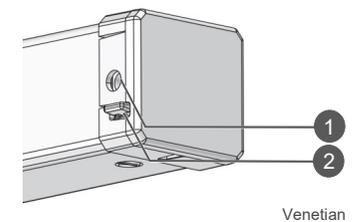
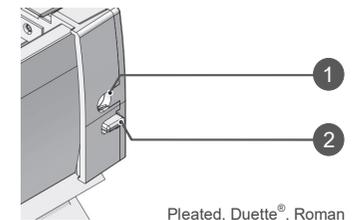
Ref. Item

- 1 **Charging port:** Insert charging cable to port (1) to charge the Li-ion battery pack

Settings button: Push button (2) to pair a remote, operate blind, awake motor, place motor into deep sleep, or to reset and restart the motor. See Section 4, pages 9-11 for more details

Motor start-up: Press and hold button (2) for 6 seconds until LED flashes 4x red plus buzzer noise

Motor deep sleep: See Section 4, page 11 for more details



4 Functions

M25S-G2

Venetian Blind
16 mm
25 mm
MegaView®

Pleated Blinds
Duette® Shades
Roman Blinds

Key

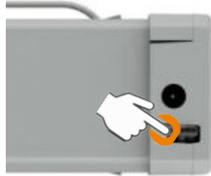
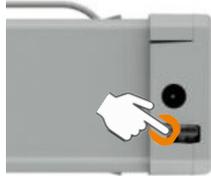
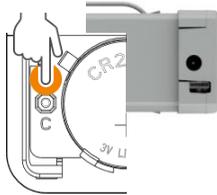
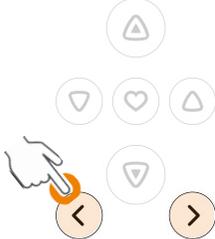
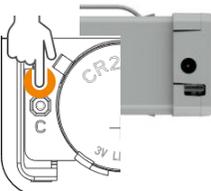
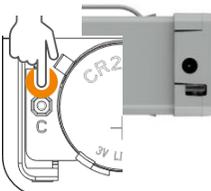
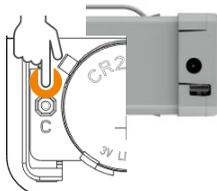
Item

Procedure name

Step

Procedure step flow

Procedures

| Item | Step 1 | Step 2 | Step 3 | Step 4 |
|-----------------------|--|---|---|---|
| Motor start-up |  <p>Hold 6 secs</p> |   | | |
| Add remote control |  <p>Select channel</p> |  <p>Hold 3 secs</p> <p>! Max 16 secs</p> |  <p>Hold 3 secs</p> <p>! Max 16 secs</p> |  <p>Press 1x</p> |
| Delete remote control |  <p>Select channel</p> |  <p>Press 1x</p> <p>! Max 2 secs</p> |  <p>Press 1x</p> <p>! Max 2 secs</p> |  <p>Press 1x</p> |

4 Functions

M25S-G2

Venetian Blind
16 mm
25 mm
MegaView®

Pleated Blinds
Duette® Shades
Roman Blinds

Key

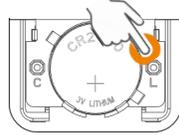
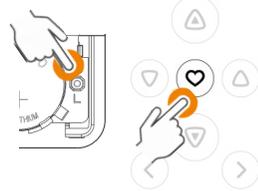
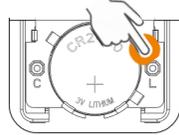
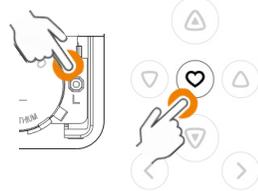
Item

Procedure name

Step

Procedure step flow

Procedures

| Item | Step 1 | Step 2 | Step 3 | Step 4 |
|----------------------------------|---|--|---|---|
| Add favourite position |  <p>Select channel</p> |  <p>Hold L button</p> |  <p>Hold both 3 secs</p> |  |
| Delete favourite position |  <p>Send to favourite</p> |  <p>Hold L button</p> |  <p>Hold both 3 secs</p> |  |
| Change motor speed |  <p>Select channel</p> |  <p>Hold</p> |  <p>Hold both 3 secs</p> |  |

4 Functions

M25S-G2

Venetian Blind
16 mm
25 mm
MegaView®

Pleated Blinds
Duette® Shades
Roman Blinds

Key

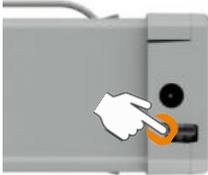
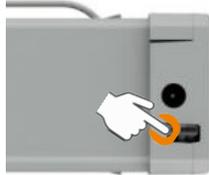
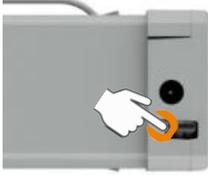
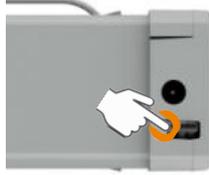
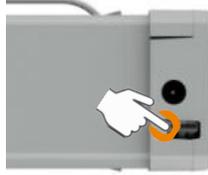
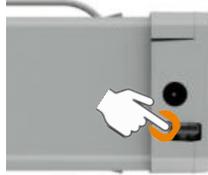
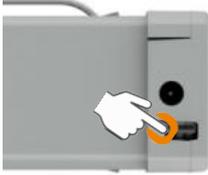
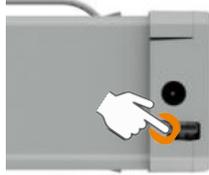
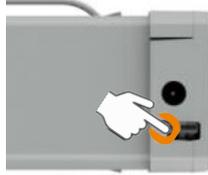
Item

Procedure name

Step

Procedure step flow

Procedures

| Item | Step 1 | Step 2 | Step 3 | Step 4 |
|------------------|---|---|---|--|
| Operate blind |  <p>Press 1x (Down)</p> |  <p>Press 1x (Stop)</p> |  <p>Press 1x (Up)</p> |  <p>Press 1x (Stop)</p> |
| Motor reset |   <p>Hold 3 secs</p> | <p>! Max 16 secs</p>  <p>Press 1x</p> | <p>! Max 2 secs</p>  <p>Press 1x</p> | <p>! Max 2 secs</p>  <p>Press 1x</p> |
| Motor deep sleep |   <p>Hold 3 secs</p> |   <p>Hold 3 secs</p> | <p>! Max 16 secs</p>  <p>Hold 6 secs</p> |   |

5 Troubleshooting & FAQ

M25S-G2

Venetian Blind
16 mm
25 mm
MegaView®

Pleated Blinds
Duette® Shades

For more information and FAQs, visit:

<https://hdebliss.zendesk.com>



Troubleshooting

| | |
|--|---|
| When I try to add a blind to the app or remote, there's no response. Why is this? | 1) Blind has no power. Make sure the motor is awake and not in deep sleep 2) Internal battery is empty. Recharge battery |
| When I press the settings button or try to operate my blind, the LED flashes red 4x fast with motor buzzer noise and no blind movement. Why is this? | The motor doesn't have the correct settings applied from the factory and cannot be used. Blind will need be returned to the factory |
| When I try and operate my blind, sometimes the blind will not move and the LED flashes red 4x fast with motor buzzer noise. Why is this? | The motor is indicating that battery power is low. Recharge the battery |
| When I press the up or down side arrow on the remote control, the blind moves very slowly. Why is this? | Pressing the up or down side arrow will operate the blind at an adjustment speed, to help fine-tune the finished blind position or when setting a scene position etc. |

FAQ

| | |
|---|--|
| How long will the Li-ion battery take to fully recharge? | Each Li-ion battery pack will take approx. 4 hours to fully charge. While the battery is being charged, the charger LED is solid red and when fully charged, the LED changes to a solid green colour |
| Can I operate the blind while charging? | Yes. Connecting the charger will not disconnect power from the blind. All blind functionality remains active while the battery is being recharged |
| Can I leave the charger connected to the blind always? | No. The charger will need to be removed after the battery has been fully charged. Leaving the charger connected can potentially damage the Li-ion battery |
| If power is disconnected from the motor, will the stored blind information disappear? | No. If power is lost or battery is being recharged, blind end limits and timers are retained within the motor |
| What happens when I short press the settings button? | Each short button press will move the blind up or down. While the blind is moving, pressing the button again will stop blind movement |
| What happens if I press the settings button for too long? | Pressing the button for 3 seconds, the motor will enter a waiting-for-action status, such as adding a remote control. Wait until the LED stops flashing green to resume normal blind operation |
| How many blinds can the remote control operate? | 1) One remote control has five individual groups plus all groups to choose from 2) The maximum number of blinds that can be assigned to each group, is 16 |
| Can I change the motor speed? | Yes. The motor speed can be changed via the Bliss® app or remote control, with a choice of Standard (25 rpm), Comfort (20 rpm) or Slow (15 rpm) speed |
| How do I reset the motor? What does resetting of the motor do? | See Section 4, page 11. Resetting of the motor should only be used if you're experiencing operational issues using the Bliss® app. The reset will remove stored timers and restart the motor |

6 Safety & Conformity

M25S-G2

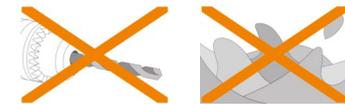
Venetian Blind
16 mm
25 mm
MegaView®

Pleated Blinds
Duette® Shades
Roman Blinds

Safety Instructions

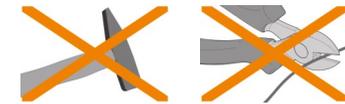
The motor may only be installed by qualified personnel who:

- Have read and understood the mounting instructions of both blind and motor. Failing to do so can lead to serious injury
- Are familiar with the electronic safety aspects
- Recognise and avoid danger which can be produced from the mechanical or electrical components
- Always observe and are familiar with the local safety, labour regulations and laws
- Will uphold all of the above, when performing maintenance on a motor or blind
- The motor may only be used in combination with the appropriate and suitable power source, supplied by your sales office



Do not drill into the motor

Do not immerse in liquids



Avoid collisions

Do not cut any wires

CE/UKCA Declaration of conformity

Hereby Hunter Douglas declares that the motorised device described in this document is in compliance with the basic requirements and other relevant regulations and directives. The CE/UKCA mark stands for compliance with the directives of the European Union. The declaration of conformity is deposited with the manufacturer or your supplier.



The manufacturer, **X**¹ declares this product is in compliance blind with the basic requirements of applicable directives 2006/95/EU and 2014/52/EU. The full CE/UKCA Declaration of Conformity is available on **Y**²

¹ 'X' represents the blind maker name that built / assembled the blind

² 'Y' represents a weblink where the consumer can find the "EC declarations of Conformity"



The motor contains Li-ion batteries. Dispose in accordance with the local regulations concerning electronics and battery disposal. Contact your local equipment supplier representative for information about waste collection.

Important Notice

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