

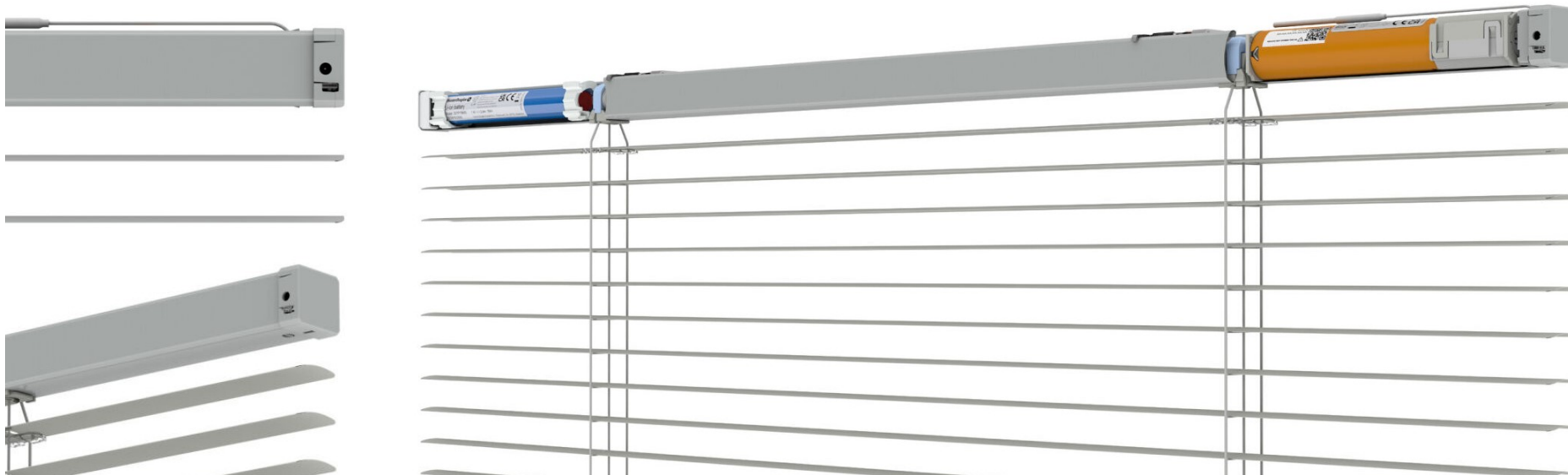


# Bliss<sup>®</sup> Smart Blinds

# 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

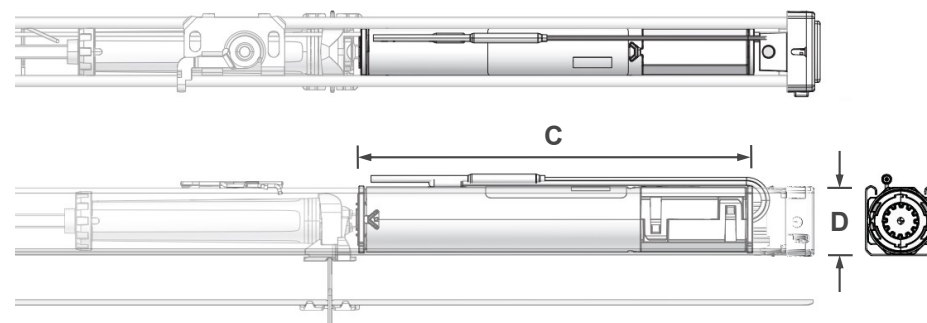
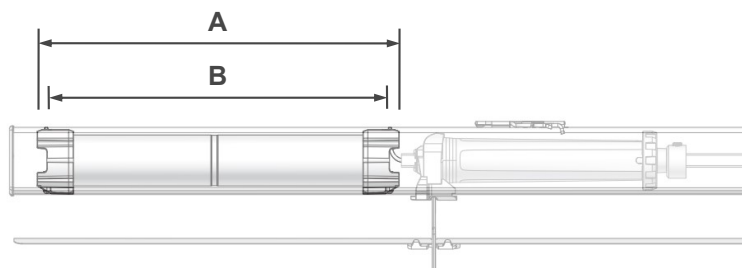
Engineered components and quiet motor gearbox allow for smooth and precise operation using either the Bliss® App or remote control.

## 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 (m <sup>2</sup> )	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 <sup>1</sup>	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	<b>Charging specifications</b>	
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)	

<sup>1</sup> 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

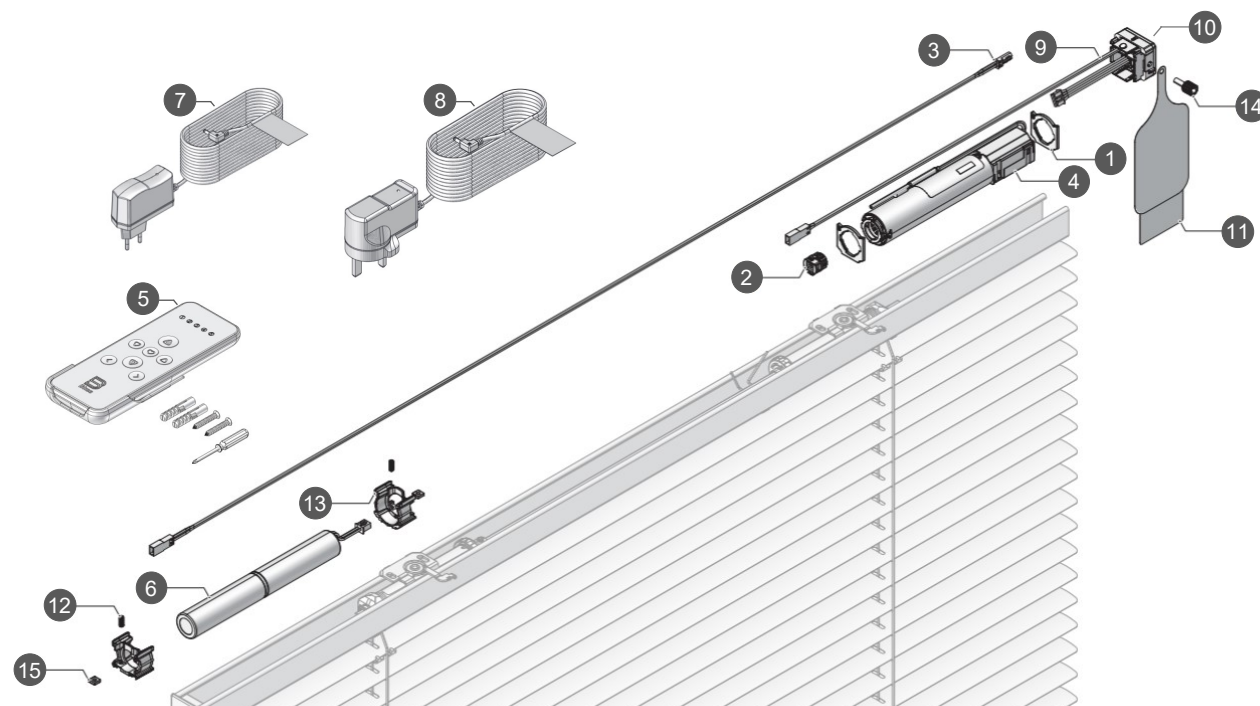
0000 Raw / No Colour  
0155 White  
0952 Light Grey  
1601 Dark Grey  
5100 Red

Description

Article name

Packing

Pieces per packing unit



Ref.	Article	Colour	Description	Packing
1	15.6185	0952	Motor Adapter VB	500 pc
2	15.6187	0952	Adapter square 5x5	100 pc
3	17.0375	0000	Battery cable 800 mm	25 pc
	17.0376	0000	Battery cable 1300 mm	25 pc
	17.0377	0000	Battery cable 1800 mm	25 pc
4	17.0913	0000	Bliss® M25S Uni Gen 2	50 pc
5	17.0914	0000	Bliss® RW-5 Remote Gen 2	20 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

Ref.	Article	Colour	Description	Packing
9	17.0941	0000	Bliss® PCBA VB HR Gen 2	30 pc
10	17.0942	0155	Bliss® VB Endcap Set Gen 2	20 pc
		0952 1601		
11	17.0999	0000	Bliss® Product ID Label	500 pc
12	29.7546	0000	Grub screw M3x8 cupped	250 pc
13	29.7619	0000	Internal Battery Support	200 pc
14	29.7678	5100	Transport Plug Battery	200 pc
15	29.7857	0000	Square nut M3	250 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

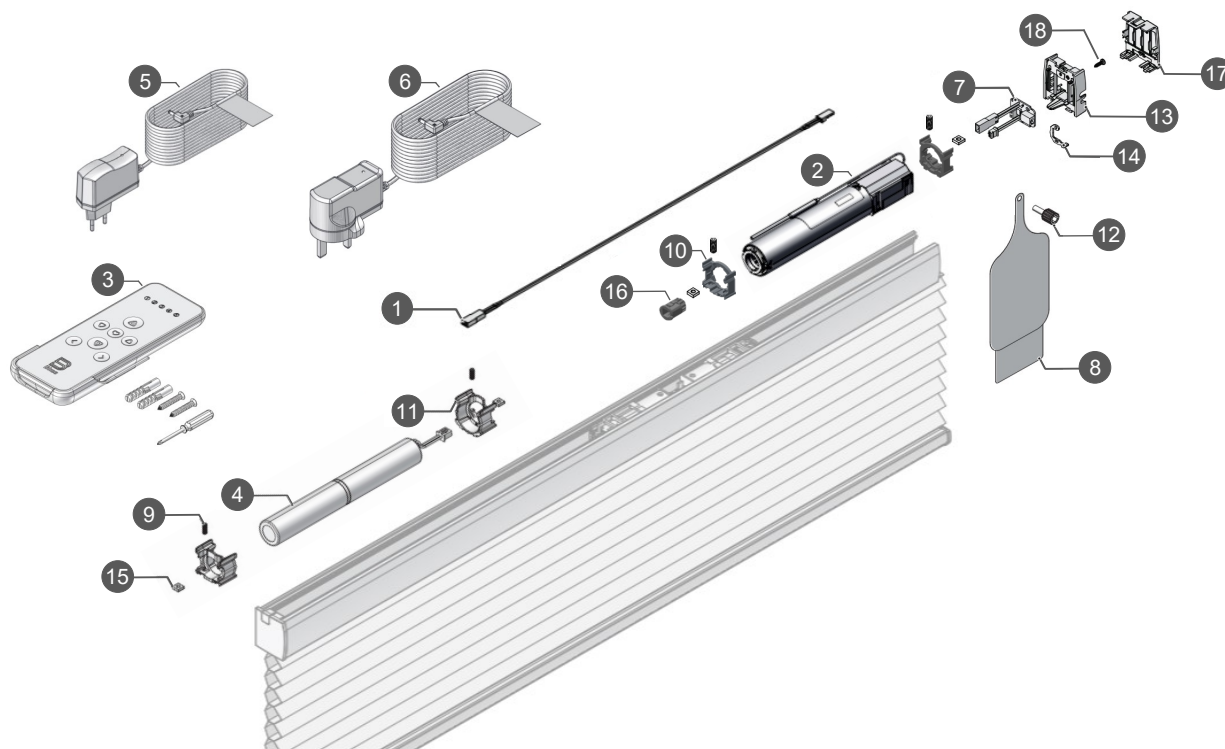
xxxx  
0155 Chi. White  
1858 Black  
4459 Magnolia  
4950 Bronze Brown  
7172 Silver  
7199 Metal Grey

Description

Article name

Packing

Pieces per packing unit



Ref.	Article	Colour	Description	Packing
1	17.0375	0000	Battery cable 800 mm	25 pc
	17.0376	0000	Battery cable 1300 mm	25 pc
	17.0377	0000	Battery cable 1800 mm	25 pc
2	17.0913	0000	Bliss® M25S Uni Gen 2	50 pc
3	17.0914	0000	Bliss® RW-5 Remote Gen 2	20 pc
4	17.0916	0000	Bliss® Internal Battery 7.4V	80 pc
5	17.0921	0000	Bliss® Charger EU	80 pc
6	17.0922	0000	Bliss® Charger UK	80 pc
7	17.0940	0000	Bliss® PCBA PBDB HR Gen 2	30 pc
8	17.0999	0000	Bliss® Product ID Label	500 pc
9	29.7546	0000	Grubscrew M3x8 cupped	250 pc

Ref.	Article	Colour	Description	Packing
10	29.7618	0000	Motor Support	200 pc
11	29.7619	0000	Internal Battery Support	200 pc
12	29.7678	5100	Transport Plug Battery	200 pc
13	29.7696	xxxx	PCB Holder Gen 2	100 pc
14	29.7697	7178	Button Gen 2	50 pc
15	29.7857	0000	Square nut M3	250 pc
16	29.7688	0952	Adapter square 5x5	100 pc
17	29.7698	xxxx	PCB Cover Gen 2	100 pc
18	29.7932	0000	Screw 2.2x8 Pz.1	1000 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

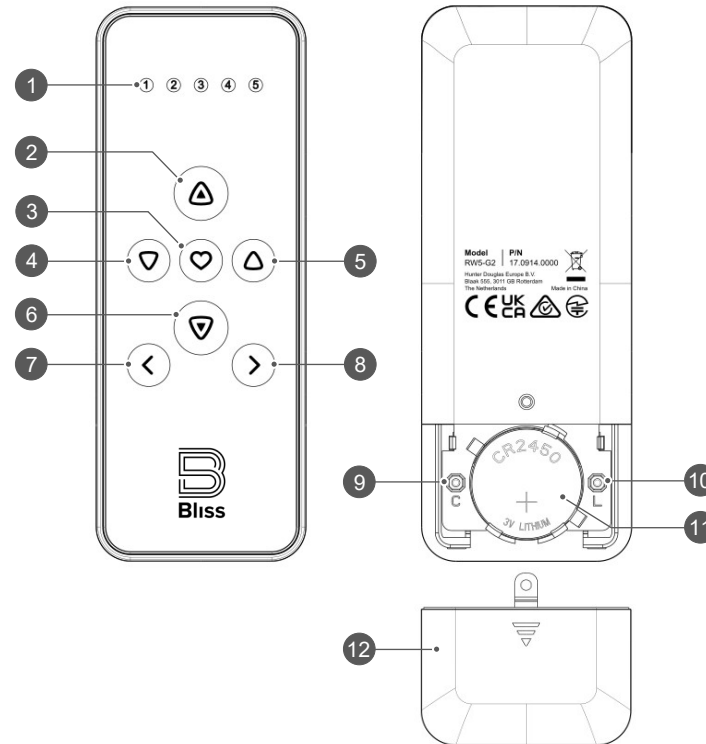
Button description

Function

Blind behaviour when button is pressed

Action

Additional feature button press sequence



### Additional Features

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

### General

Ref.	Item	Function
1	Group channels	Active channel(s) blue backlit <sup>1</sup>
2	Up	Move towards top limit
3	Stop / Favourite	Stop blind motion / activate pre-defined favourite position <sup>3</sup>
4	Adjust down	Adjust blind position <sup>4</sup>
5	Adjust up	Adjust blind position <sup>2</sup>
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 <sup>3</sup>
11	Battery CR2450	-
12	Battery cover	-

<sup>1</sup> The blue backlit active channel goes to sleep after 4 seconds of inactivity

<sup>2</sup> 'Adjust up' button will move the blind at a very slow continuous speed

<sup>3</sup> See 'Additional Features'

<sup>4</sup> 'Adjust down' button will move the blind at a very slow continuous speed

<sup>5</sup> See Section 4, page 10 for more details

## 2 Remote Control

M25S-G2

RW-5 Gen 2

Pleated Blinds  
Duette® Shades  
Roman Blinds

### Key

Ref.

Reference for the component marked in the overview

Item

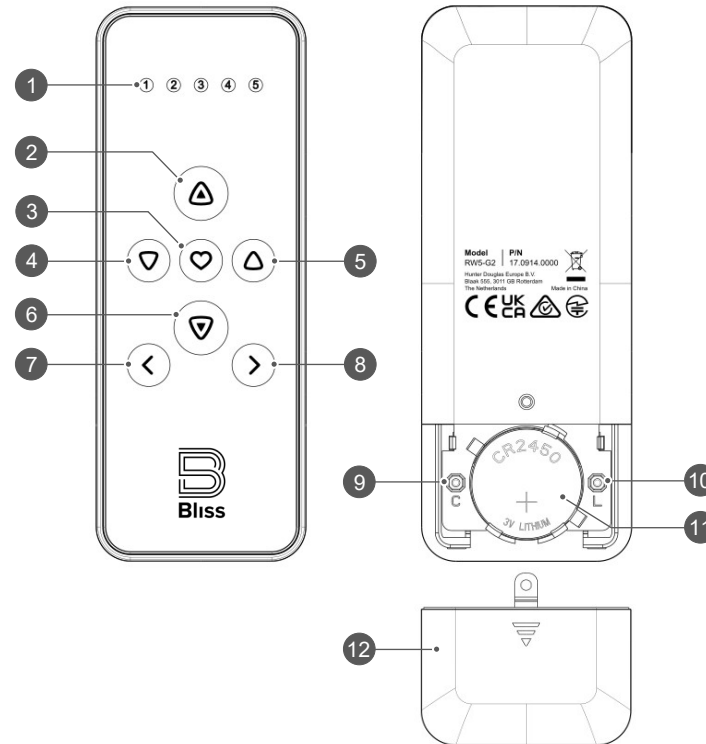
Button description

Function

Blind behaviour when button is pressed

Action

Additional feature button press sequence



### Additional Features

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

### General

Ref.	Item	Function
1	Group channels	Active channel(s) blue backlit <sup>1</sup>
2	Up	Move towards top limit
3	Stop / Favourite	Stop blind motion / activate pre-defined favourite position <sup>3</sup>
4	Adjust down	Adjust blind position <sup>4</sup>
5	Adjust up	Adjust blind position <sup>2</sup>
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 <sup>3</sup>
11	Battery CR2450	-
12	Battery cover	-

<sup>1</sup> The blue backlit active channel goes to sleep after 4 seconds of inactivity

<sup>2</sup> 'Adjust up' button will move the blind at a very slow continuous speed

<sup>3</sup> See 'Additional Features'

<sup>4</sup> 'Adjust down' button will move the blind at a very slow continuous speed

<sup>5</sup> 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)			
Battery fully charged (Charger LED)			
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

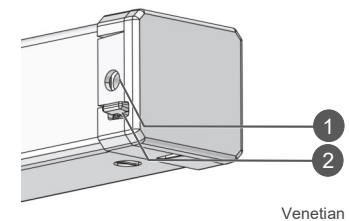
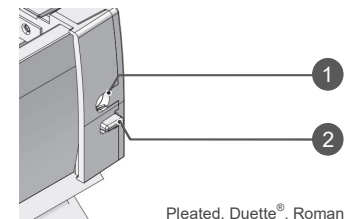
1

**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

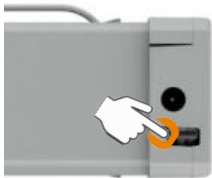


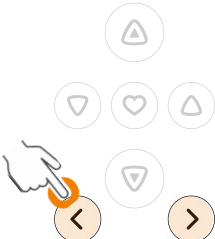
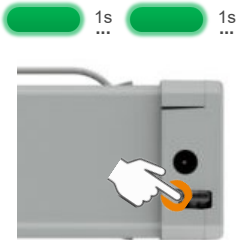
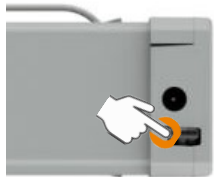
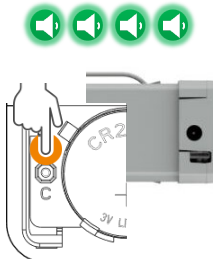
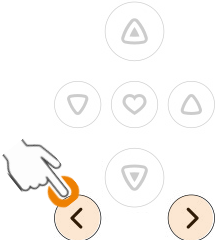
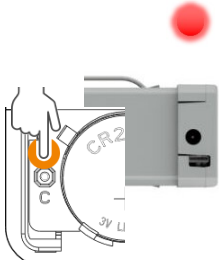
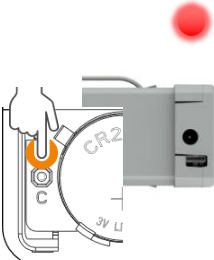
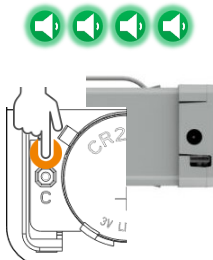
Item

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>Hold 3 secs</p>	 <p>Press 1x</p>
Delete remote control	 <p>Select channel</p>	 <p>Press 1x</p>	 <p>Press 1x</p>	 <p>Press 1x</p>

## 4 Functions

### M25S-G2

Venetian Blind

16 mm

25 mm

MegaView®

Pleated Blinds

Duette® Shades

Roman Blinds

### Key

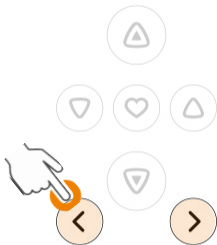
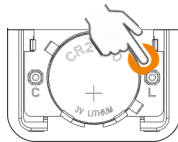
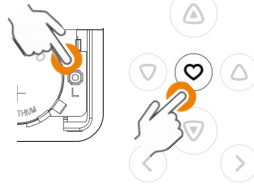

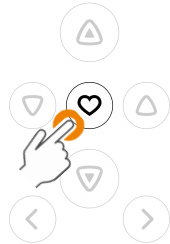
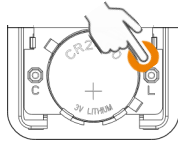
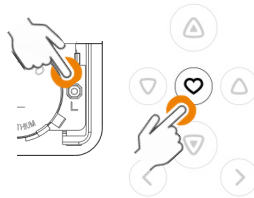

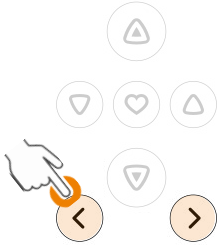
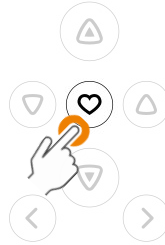
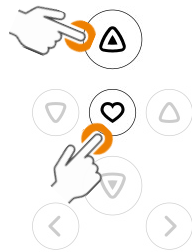

Item

Procedure name

Step

Procedure step flow

### Procedures

Item	Step 1	Step 2	Step 3	Step 4
Add favourite position	 Select channel	 Hold L button	 Hold both 3 secs	
Delete favourite position	 Send to favourite	 Hold L button	 Hold both 3 secs	
Change motor speed	 Select channel	 Hold	 Hold both 3 secs	

## 4 Functions

### M25S-G2

Venetian Blind  
16 mm  
25 mm  
MegaView®

Pleated Blinds  
Duette® Shades  
Roman Blinds

### Key

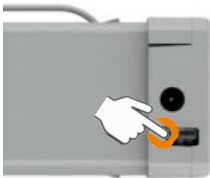
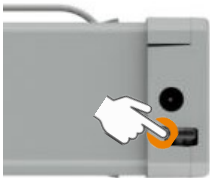


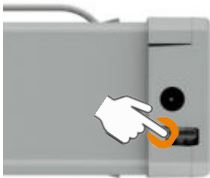
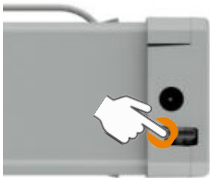






Item

Procedure name

Step

Procedure step flow

### Procedures

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

## 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

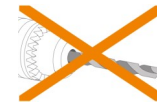
Venetian Blind  
16 mm  
25 mm  
MegaView®

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**<sup>1</sup> 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**<sup>2</sup>

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

<sup>2</sup> '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

Hunter Douglas Europe B.V. and its affiliates (Hunter Douglas) reserve the right to make corrections, enhancements, improvements and other changes to its products and services, and to discontinue any product or service. Buyers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All products (also referred to herein as "components") are sold subject to Hunter Douglas' terms and conditions of sale supplied at the time of order acknowledgement. Hunter Douglas warrants performance of its components to the specifications applicable at the time of sale, in accordance with its standard warranty terms. Testing and other quality control techniques are used to the extent Hunter Douglas deems necessary to support this warranty. Except where mandated by applicable law, testing of all parameters of each component is not necessarily performed. Hunter Douglas assumes no liability for applications assistance or the design of Buyers' products. Buyers are responsible for their products, applications and interfaces using hunter Douglas components. To minimize the risks associated with Buyers' products and applications, Buyers should provide adequate design and operating safeguards. Hunter Douglas does not warrant or represent that any license, either express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which Hunter Douglas components or services are used. Information published by Hunter Douglas regarding third-party products or services does not constitute a license to use such products or services or a warranty or endorsement thereof. Use of such information may require a license from a third party under the patents or other intellectual property of the third party, or a license from Hunter Douglas under the patents or other intellectual property of Hunter Douglas. Reproduction of Hunter Douglas information in Hunter Douglas data sheets is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. Hunter Douglas is not responsible or liable for any altered documentation. Information of third parties may be subject to additional restrictions. Resale of Hunter Douglas components or services with statements different from or beyond the parameters stated by Hunter Douglas for that component or service voids all express and any implied warranties for the associated Hunter Douglas component or service and is an unfair and deceptive business practice. Hunter Douglas is not responsible or liable for any such statements. Buyers acknowledge and agree that they are solely responsible for compliance with all legal, regulatory and safety-related requirements concerning its products, and any use of Hunter Douglas components in its applications, notwithstanding any applications-related information or support that may be provided by Hunter Douglas. Buyers represent and agree that they have all the necessary expertise to create and implement safeguards which anticipate dangerous consequences of failures, monitor failures and their consequences, lessen the likelihood of failures that might cause harm and take appropriate remedial actions. Buyers fully indemnify Hunter Douglas and its representatives against any damages arising out of the use of any Hunter Douglas components in safety-critical applications. Manufacturer/Supplier address: Hunter Douglas Europe B.V., Blaak 555 3011 GB Rotterdam The Netherlands



To download the app  
scan the QR code below:



Or visit:  
[www.bliss-smartblinds.com/app](http://www.bliss-smartblinds.com/app)



® Registered trademark of Hunter Douglas

™ Trademark of Hunter Douglas