

RBS

Battery Motor

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1. YOUR RBS BATTERY MOTOR

INTRODUCTION

Thank you for choosing the Forest RBS battery motor. This guide provides essential information on how to operate, maintain, and maximize the performance of your Forest RBS battery motor. In this manual, you'll find step-by-step instructions for usage, charging, and troubleshooting, as well as tips to ensure safe and efficient operation.

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GENERAL

Please read this manual and the safety instructions carefully before using this Forest product.

Follow the instructions in this manual and keep it throughout the entire lifespan of the product.

This manual describes the setup and operation of the RBS battery motor.

Any use beyond the application scope defined by Forest is not permitted. Ignoring the instructions in this manual voids any liability and warranty from Forest Group.

ACCESSORIES

1x RBS Motor
1x Bluetooth Module
1x Manual

OPTIONAL (NOT INCLUDED IN BOX)

- Forest EasyTouch Remote Control
- Set Battery Accessories:
 - 2x Brackets
 - 1x Battery pack
 - 1x USB to USB-C cable

FEATURES & BENEFITS

- Motor including Bluetooth capabilities
- Works directly with Forest Connect app
- 9lb weight load
- Battery charging takes 6-8 hours or until the blue light comes on
- Battery: 6 month battery life (1 up & 1 down)
- 5 year warranty on motor
- 2 Year warranty on the battery pack

DECLARATION OF CONFORMITY



EU Declaration of Conformity

Hereby we, the undersigned:
Manufacturer: Forest Group Nederland B.V.
Address; city, Country: Teugseweg 42, 7418 AM Deventer, The Netherlands
Telephone number: +31 0570 622850

Declare that this DoC is issued under our sole responsibility and that this product is:
Product description: Electronic motorized curtain track system
Type designation(s): BS Bluetooth Motor (3636000000)
Trademark: Forest
Power Adapter: DZ024EHL120200V
Battery Pack: 30055678B

Object of the declaration:



The object is in conformity with the relevant Union harmonization legislation:

☐	Radio Equipment Directive – 2014/53/EU	☐	Article 3.2
☐	Article 3.1(a)		EN 300 220-1 V3.1.1 (2017-02)
	EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021 + A16:2023		
	EN IEC 60335-2-97:2023 + A1:2023 + A11:2023		
	EN 50863:2017		EN 300 220-2 V3.1.1 (2017-02)
	EN 62233:2008		
☐	Article 3.1(b)		
	EN 301 489-1 V2.2.3 (2019-11)		
	EN 301 489-3 V2.3.2 (2023-01)		
	EN IEC 55014-1:2021		
	EN IEC 55014-2 : 2021		
	EN IEC 61000-3-2:2019 + A1:2021		
	EN 61000-3-3:2013 + A2:2021		
☐	RoHS directive – 2011/65/EU + amendment (EU) 2015/863		
☐	Battery directive - (EU) 2023/1542		

Signed for and on behalf of:

Place: Deventer Name: A.G. ten Have

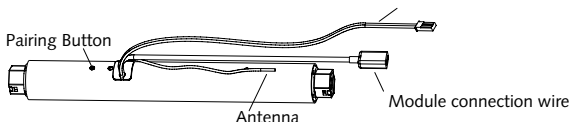
Date: 07-01-2025 Function: Head R&D

Signature:

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2. PRODUCT INFO

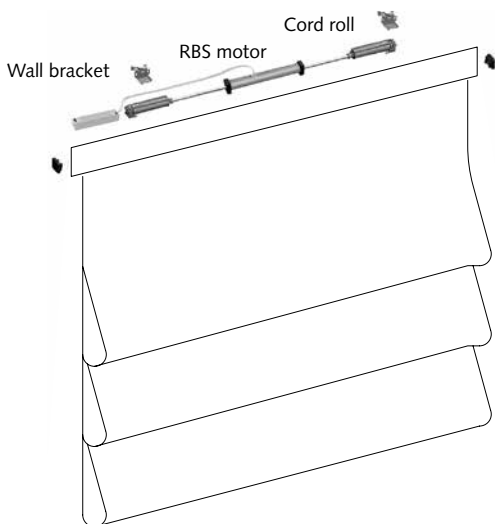
PRODUCT INFO



SAFETY INSTRUCTIONS

1. This product is for indoor use only, do not use outdoor or in humid environments.
2. Power supply: rechargeable lithium battery wand 12V
3. The motor will jog in operation, please do not proceed to the next step until it complete.
4. During operation, the effective interval of the transmitter button operation is 10 seconds. If there is no effective transmitter operation for more than 10 seconds, it will automatically exit the current mode.
5. The motor can be paired with max 10 controllers.
6. Upper & lower limits cannot be set at the same position, limits saved even power off.
7. The motor runs constantly for 6 minutes max without any other operation.
8. Do not lift the motor by grabbing and pulling the power wire or the antenna.

INSTALLATION

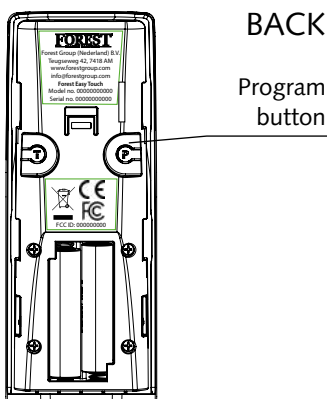
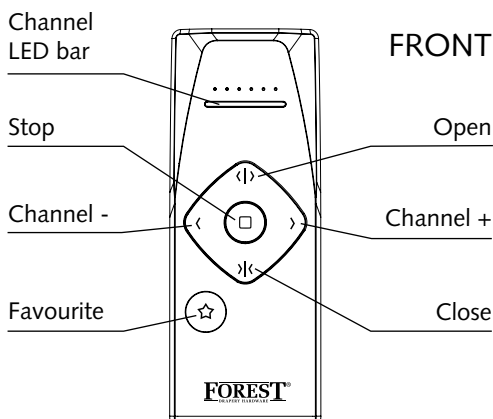


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3. INSTRUCTIONS

EASYTOUCH CONTROL BUTTONS

Press the cover on the back of the remote control and slide it upwards to reveal the battery compartment.



FUNCTIONALITY BUTTONS

Button		Description/ function
	Open	Opens the curtains or blinds
	Close	Closes the curtains or blinds
	Stop	Stops the movement
	Channel +	Switches to the next channel. The LED indicator moves to the right
	Channel -	Switches to the previous channel. The LED indicator moves to the left
	Favourite	Allows users to quickly access their preferred curtain positions with a single press
	Prg	The Program button, enables users to access programming functions

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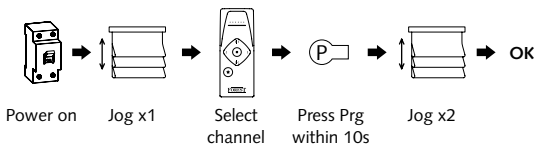
4. GET STARTED

PAIRING BUTTON FUNCTIONS

Functions	Operation	Jogging time	Note
Control the UP/STOP/DOWN of the roman	Short press	/	It should be used when limits being set
Adding/Removing Controller	Hold for 2s	Jog*1	Operation needs be done within 10s
RF control Interactive	Hold for 6s	Jog*2	Hold Pairing button for 6s, jog twice to show the motor RF controle is inactive; Hold Pairing button for 2s, the RF control is active again.
Direction Reverse	Hold for 10s	Jog*3	All settings saved after direction reversed
Reset	Hold for 16s	Jog*4	All settings deleted

PAIRING MOTOR WITH CONTROLLER

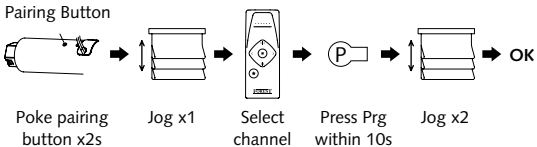
Option 1: Before adding a new controller.



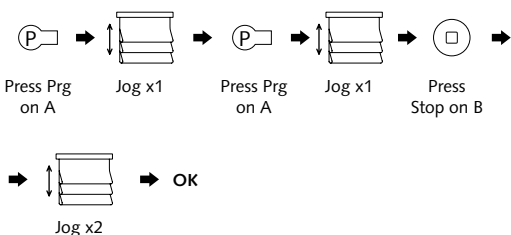
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Option 2: After motor is powered on for more than 10s

Pairing Button



Option 3: Power on, add controller B via pre-existing controller A

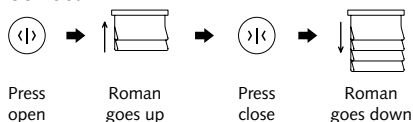


Note: Pairing can not be done under group channel or 0 channel.

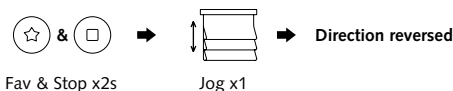
5. SETTINGS

DIRECTION REVERSE

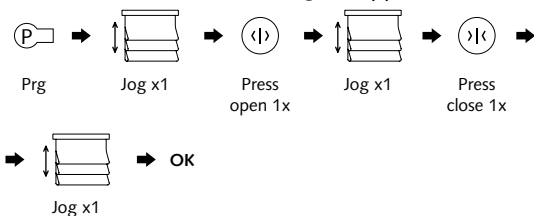
Correct



If the limits are not set, and direction goes opposite.

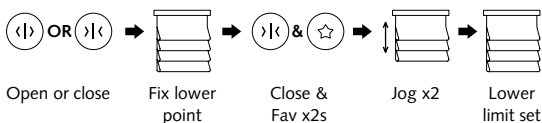
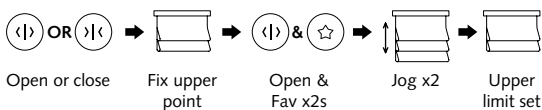


If limits are set and direction goes opposite.



Note: Do reverse the direction when it goes opposite.

UPPER & LOWER LIMITS SETTINGS



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Note: Upper & Lower limits cannot be set at the same point. Before limits set, the motor will run in one-touch mode by pressing Up or Down, hold Up or Down for 2s, motor runs in constant-touch mode. Once limits set, press Up or Down, motor runs in constant-touch mode.

ONE-TOUCH/CONSTANT TOUCH MODE

Constant-touch ----> One-touch

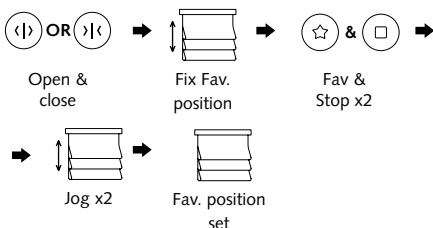


Same operation can toggle from one-touch to constant-touch mode.

Note: When motor in one-touch mode, hold Up or Down for more than 2s, it will run in constant-touch mode.

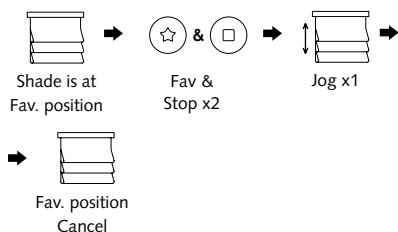
SETTING AND CANCELLING FAVOURITE FUNCTION

Setting



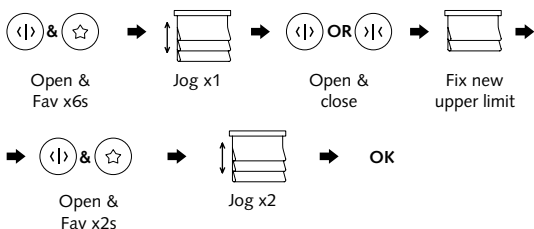
Important: The Favourites function can only be set if the end positions are configured.

Cancelling



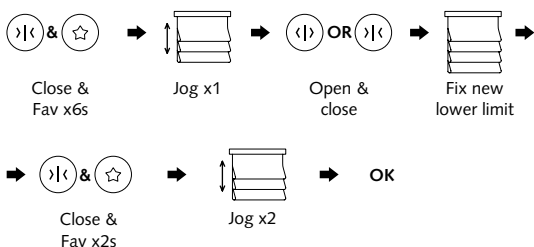
ADJUSTING UPPER & LOWER LIMITS

Adjust Upper limit



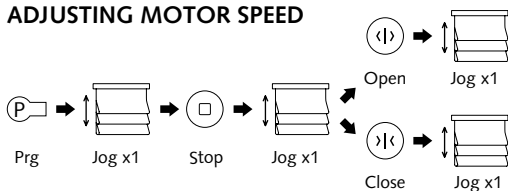
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Adjust Lower limit



Note: The operation should be done within 4 mins.

ADJUSTING MOTOR SPEED



➡ speed increase

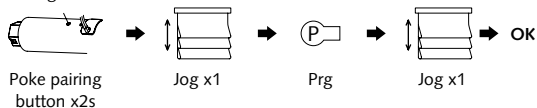
➡ speed decrease

Note: If motor doesn't jog, the max/min speed has already been reached. There are 3 speeds adjustable.

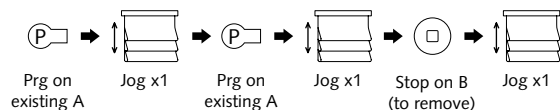
REMOVE REMOTE CONTROLS

Remove a single controller

Pairing Button

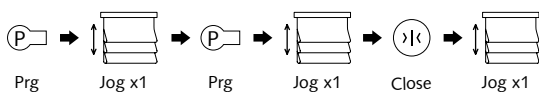


Remove controller B via pre-existing controller A



➡ Controller B removed

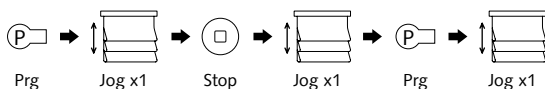
Remove all controllers



➡ All controllers removed

Note: All the settings are saved even controllers removed (limits set are saved). Controller A/B are already paired to motor.

CANCELLING LIMITS



➡ Limits cancelled

Note: It is forbidden to run the motor if installed into the roman without limits. Limits should be set immediately to protect the roman.

6. INSTALLATION & CONNECTING BLUETOOTH MODULE



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- Working voltage: 3V~3.6V
- Supporting protocol: 802.11B/G/N20
- Working Temperature: 0 - 40 C
- For Indoor Use only

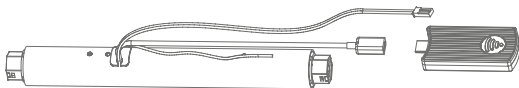
DOWNLOAD APP



- a. Search "Forest Connect" in the app store or scan the QR-Code.
- b. Complete account registration and login to the app

APP DEVICE

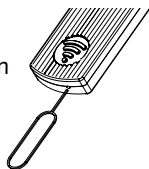
- a. Power on, insert Bluetooth module to motor module connection wire



- b. Wait for 10s to see if the indicator is blinking.

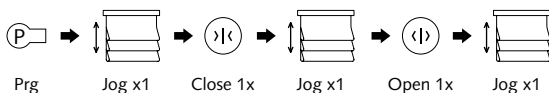


- c. If indicator didn't blink, please try:
Method 1: Long insert RESET button until indicator blinking, motor's ready to Bluetooth connection.

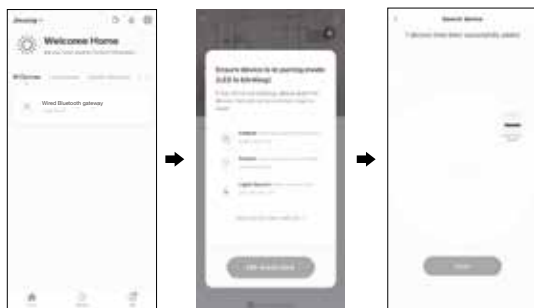



Note: Wait for 10s to see if the indicator is blinking.

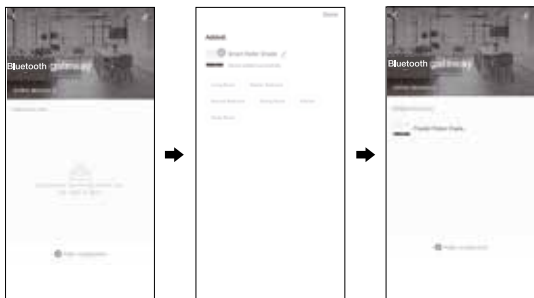
Method 2: Short Press Prg on back of controller, motor jogs once; short press Down, motor jogs once, then short press UP, motor jogs once and blue indicator blinks which means motor enters Bluetooth connection status.



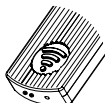
- d. Find the added Tuya Bluetooth gateway on the “Smart Life” App, click “+” to add a subdevice, and then click “LED already blink”, the APP will automatically search for motor device.



- e. After adding successfully, click  to modify the device name.



- f. The Bluetooth module indicator is always on after successful network connection.



- g. Enter the main interface to control the operation of the roman blind.



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7. Notice



RECYCLING

Do not dispose of the product with household waste. Ensure that you return it to a collection point or depot for recycling purposes.

8. Support & Technical specification

FAQ

Why isn't the motor working?

- Check if you have paired a remote control.
If your remote is not paired yet you need to pair the remote control with the motor by following the pairing instructions in your manual.
- Check if the motor is activ. If the motor is inactive, you can reactivate it by pressing the pairing button twice (poke the button 2 times) to activate the motor.

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Why does the motor stop suddenly during operation?

- Check if the upper and lower limits are set correctly. If not, re-set the upper and lower limits according to the instructions in your manual.
- Check if the roman doesn't exceed the rated load.If so, reduce the load on the motor by adjusting the roman or checking that it meets the weight specifications.

Why does the motor only move in one direction?

- Check if the motor's limits are set correctly. If they are incorrect, then cancel the original limits and set new upper and lower limits following the instructions in your manual.

TECHNICAL SPECIFICATION

- Voltage 12Vdc
- Power max. 9.6W
- Current max. 0.8A
- Torque 0.8Nm
- Speed 20/30/40
- Run time max. 6 minutes
- Length 8in.
- Diameter 1in.
- Frequency 433.92MHz
- RF range (max.) 98ft.
- Protection degree IP20
- Temperature 32 - 104°F

The images in this document are not binding.

SCAN FOR MANUAL



FOREST RBS BATTERY MOTOR_MANUAL_USA_032025

www://forestdh.com/technical-downloads/