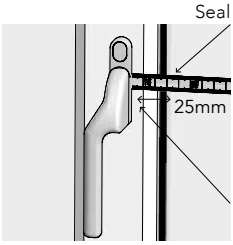
PERFECT FIT ROLLER BLIND MOTORISED

Assembly Instructions

CLEARANCE AND SEALS

The Perfect Fit framework needs a minimum of 25mm from the fixing point position and clearance all round the window frame from the glass.

For any window seal that exceeds 6mm, check to see if the seal is compressible, If it is you can take a 'bead to bead' measurment. If not, then take a 'seal to seal' measurement.



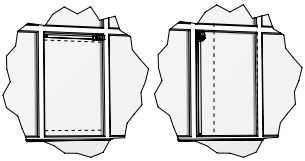
Check clearance from the edge of the glass.

MEASURING GLASS SIZE

Measure both the width and the drop accurately. We recommend the use of a metal tape measure. The maximum width is 1400mm the minimum width is 400mm.

Measure the top, bottom and the middle and then use the smallest measurement taken.

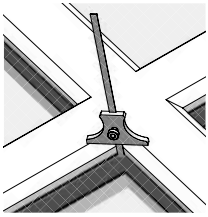
Repeat the above steps for the drop measuring from the left, middle and right.



MEASURING WINDOW DEPTH

Window depth can be measured using a depth gauge (P9481). This gives you the measurement from the face of the window frame to the glass.

Measure the bead depth. We have a number of different brackets to suit appropriate bead depth ranging from - 18mm, 20mm, 22mm, 24mm, 30mm, 38mm.

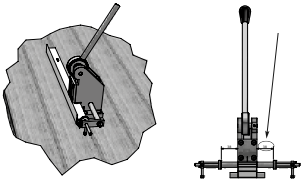


ROLLER PERFECT FIT MOTOR FRAME AND COMPONENT DEDUCTIONS

ALL DEDUCTIONS FROM GLASS SIZE			
WIDTH FRAME	DROP FRAME	ROLLER TUBE	BOTTOM BAR & FABRIC
-28mm	-55mm	-21mm	-21mm

PUNCH HOLES

Using the Clip hole Punch (P9476) place the side frame extrusion into the die, punching the holes at pre-determined measurements to ensure the holes line up exactly with the brackets.



For punching the top of the side frame ensure the stops are set 38mm from the punch body.

For punching the bottom of the side frame ensure the stops are set 64mm from the punch body.

Intermediate punch holes will be required if the distance between punch holes is greater than 1500mm.

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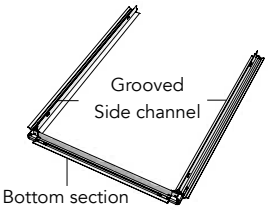
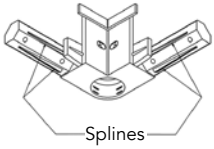
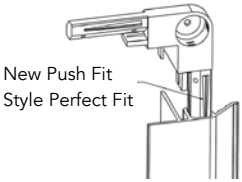
FITTING CORNER JOINTS

Assemble the bottom of a frame using 2 corner joints (R4026). Do this by sliding the joints into your frame section.

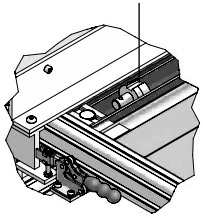


FITTING PUSH FIT CORNER JOINTS

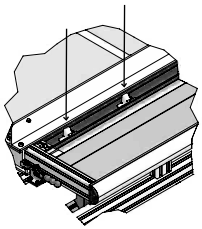




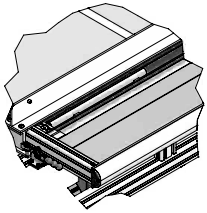
**Screw holes have been retained for customers wanting to screw fit. Screws must be purchased seperately (Part Code - 4099).



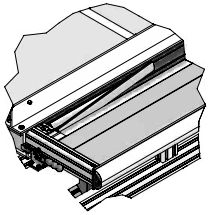
Cut your fabric to the correct width and add 160mm to the drop. Remove the tube adaptor from the left end of your table.



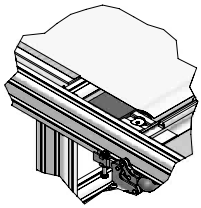
Place the tube supports into the tube trough.



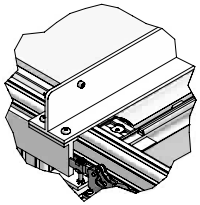
Place your roller blind tube into this using the correct size slot for the fabric thickness.



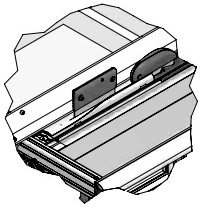
Place your aluminium bottom bar into the slot provided. Place the small groove face up for single or double wrap.

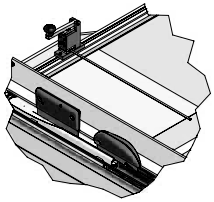


Place your fabric face up and against the left hand straight edge, overlapping your top tube by approx 15mm.



Clamp down the fabric. Starting at the right hand side of your fabric. Use the creasing tool and forming tool to form the fabric into the groove on your tubing.





From the Mylar punch, pull a length of fabric locking tape (FLT) to the width of your blind and press down onto the punch to cut it.

Please note: There are 3 sizes of FLT 6, 7, 8mm that can be used dependant on the thickness of fabric.

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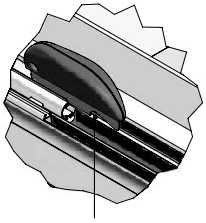
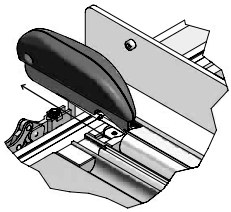
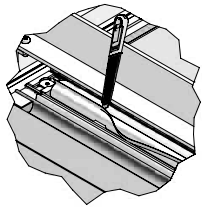


Return to the right hand side of the blind and hook the FLT to the hook on your forming tool.

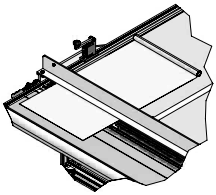


Pull the FLT through the tube

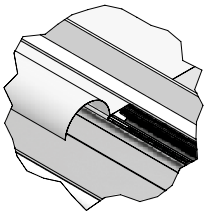


Cut off any excess fabric that appears along the tube.

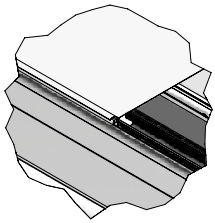
Release the clamp bar and cut off any excess FLT on both ends.



Turn your fabric 180 degrees clockwise and place against the left hand straight edge and overlapping the bottom bar by 70mm and then clamp down the fabric.



Crease, form and insert the FLT, as previously done into the groove on your bottom bar.



Release the clamping arm and then turn your fabric and bottom bar forward 180 degrees and replace back into bottom bar groove.

Crease form and insert FLT into this groove then cut off any excess fabric.

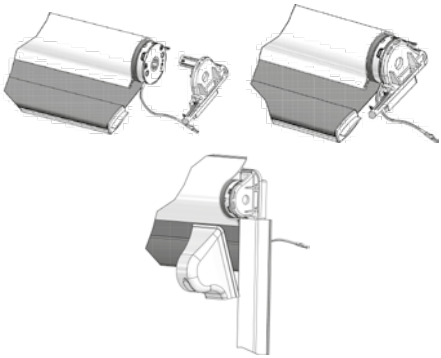
Remove from bottom bar groove and cut off any excess FLT.

BLIND ASSEMBLY

Slide the motor end joint into the opposite end ensuring it faces the front of the blind.

Once assembled, slide the roller blind over the end set assembly until it will go no further.

Make sure the charging point on the motor matches the charging point on the cover.



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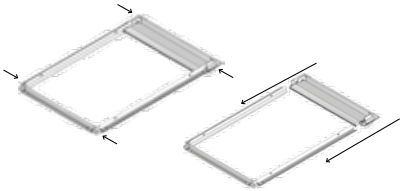
FITTING CURVED TOP SECTION

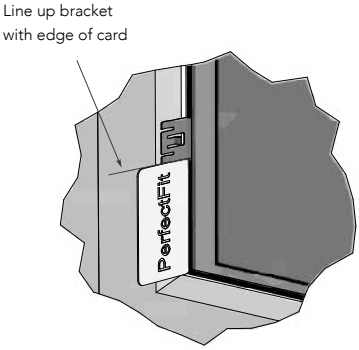


Slide top of curved section into the rest of the frame, ensuring that end caps are located into the side channel.

SECURING THE BOTTOM BAR

Fix one side in position at a slight angle then place the opposite side into position. Please ensure that the bottom bar sits behind the grooving.

FITTING THE BRACKETS



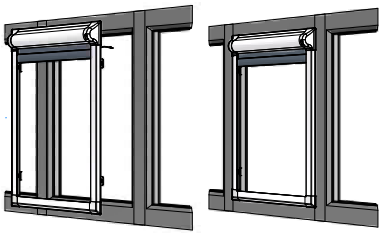
To ensure all brackets are in the correct position for fitting (85mm from beading) use a credit card in the corner of the window to locate the bracket position.

For ease of insertion, use a lubricant in the form of washing up liquid on the base of each bracket.

Line up the bracket with the base or top of the credit card (depending on which corner of the window you are working) and fit the bracket by pushing it between the glass and the rubber seal of the window.

Repeat for all 4 corners of the window, and intermediate brackets (if required) then clean excess lubricant prior to fitting the frame.

FITTING THE FRAME



Line up the holes in the frame with the brackets.

Firmly press the frame down onto each bracket. Fit one side at a time for an easier installation

Last of all, ensure that the blind end caps fit into side grooves. Fit all corner joint covers into position and your blind is finished.

LITHIUM MOTOR FEATURES

- Built-in Receiver
- Built-in Lithium Battery
- Scan and Program
- Switch Direction
- Stall Protection
- Program Button
- Reset to Factory Mode
- Electronic Limit
- Preferred Stop Position
- Speed Regulation
- Scene Control
- Memorized Setting

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FIELDS OF APPLICATION

The motor is suitable for motorisation of Perfect Fit blinds, Roller blinds and Vision blinds.

SPECIFICATIONS

Working Temperature: -10℃ ~ +50℃	Radio Frequency: 433.925MHz
Input Voltage: USB 5V 1A / USB 5V 2A	Maximum Running Time: 6 minutes

Following data for reference

Model	Rated Torque (N.m)	Rated Speed (rpm)	Rated (A)	Rated Power
R4045 0.3/30	0.3	30	0.6	5

* For reference only.

Visit www.louvolite.com to view the links to all of our assembly instructional videos.

CHARGING INSTRUCTIONS

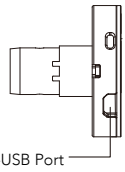
This motor has a 8V built in Li-ion battery pack with integrated charge management.

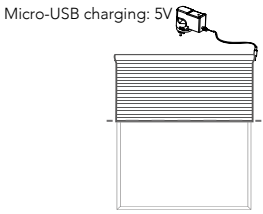
Max power input for recharging: 5V 2A.

Before first use please charge motor for 6 hours using 5V charger.

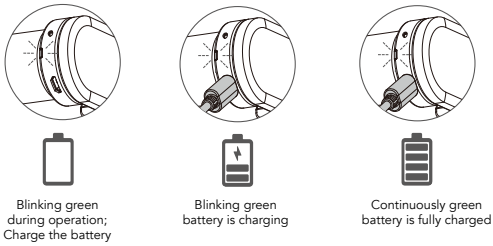
During operation, motor will stop running when the voltage is lower than 6.5V and it will resume again when the voltage is greater than 6.8V.

When the motor is running continuously when the voltage is lower than 7.2v, the green light will flash for 10 times for low pressure alarm.





RECHARGEABLE BATTERY



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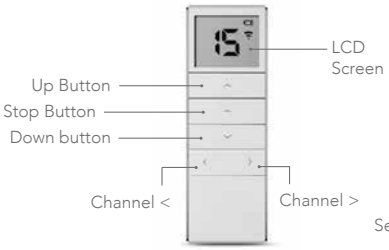
PORTABLE 15 CHANNEL REMOTE UNIT



1 jog = 1 movement, up OR down

2 jogs = 1 movement, up AND down

STEP 1 - PAIRING THE HANDSET WITH THE MOTOR

Note: During the setting procedure, the time between two operations must not

exceed 4 seconds as this will cause the setting up process to quit.

- Switch on the power to the motor.
- Remove the battery cover on the reverse of the remote. There are two setting buttons (P2) on either side of the battery, press either one.
- Select a channel from 1 - 15 on the remote by pressing channel up or down (< or >).
- Press the button on the motor and the motor will jog up and down.
- Press P2 twice then the up or down button once. The motor will jog twice each time.
- To change direction press and hold the button on the motor for 4 jogs.

The motor and remote are now paired.

STEP 2 - SETTING THE LIMITS

Select the same channel and set the top limit.

- Press P2, then the up button followed by P2 again, the motor will jog twice and beep.
- Press the up button and the blind will start to rise.
- Press P2 and the blind will go into slow jog mode.
- Press the stop button on the remote and the blind will stop.
- Hold the stop button down until the motor jogs twice, this will set the top limit.
- Press the down button and the blind will start to go down.
- Press P2 and the blind will go into slow jog mode.
- Press the stop button on the remote and the blind will stop.
- Press and hold the stop button down until the motor jogs twice, this will set the lower limit.

Setting is complete. For more blinds, select another channel on the remote and repeat from step 2.

STEP 3 - SETTING A THIRD POSITION

- Switch the motor into jog mode by pressing P2 then up then down (this allows you to move the blind up or down in small increments)
- Move the blind using the up and down buttons on the remote to the desired position.
- When you have reached the desired position press stop, P2, stop, stop. The mid position is now set.
- The motor needs to be swtiched out of jog mode,this is done by pressing P2 then up then down.
- To operate the third position, press and hold the stop button and the blind will move to its third position.
- To delete the third position, press P2, followed by the stop button twice, the motor will jog twice.

SPEED ADJUSTMENTS

- The motor has three different speeds.
- To speed the motor up press stop and up together until the motor jogs.
- To slow the motor down press stop and down together until the motor jogs.
- If the motor does not jog it is at its maximum or minimum speed already.

DELETING A LIMIT

- To delete a limit, press P2 followed by the down button then press P2 again, the motor will jog twice.

DELETING A HANDSET

- To delete a handset, press P2 then the stop button followed by P2 again, the motor will jog twice.

ADDING A HANDSET

- To add a handset, press P2 twice on the existing handset. Then press P2 on the new handset, the motor will jog twice.

To perform a factory reset press and hold the button on the motor for 6 jogs.

Technical specification

Input voltage: 3V (CR2450)
Transmitting frequency: 433MHz
Transmitting power: 10 milliwatt
Operating temperature: -10^{0}c to 50^{0}c
Transmission distance: 200 metres open office, 35 metres on two walls

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Notice:
Do not expose the unit to moisture or heat. When you use the control unit, if emission distance is short and less effective, please replace battery. Please recycle batteries.

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