

S:CRAFT Tubular Motors

User Instructions & Specifications



SMALL DM25LEU/S-1.1N/28R

MEDIUM DM28LEU/S-2N/28R

LARGE DM35LE/S-3N/28R



Features

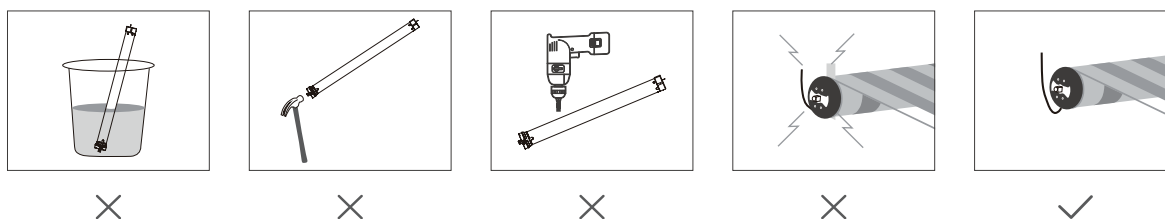
- Built-in Receiver
- Jog & Tilt
- Built-in Lithium Battery
- Scan and Program
- Status Feedback
- Switch Direction
- Stall Protection
- Program Button
- Reset to Factory Mode
- Memorized Setting
- Electronic Limit
- Preferred Stop Position
- Speed Regulation
- Scene Control

Fields of Application

The motor is suitable for motorisation of Avignon, Mirande, Rochelle, and Roque blinds.

Attention

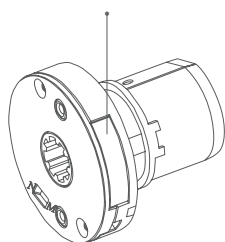
Never drop, knock, drill or submerge the motor. Keep the power cable in right position as following. Important safety instructions to be read before installation. Incorrect installation can lead to serious injury and will void manufacturer's liability and warranty.



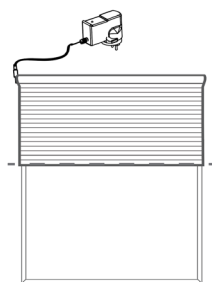
Charging Instructions

Small/Medium Motor

Micro-USB Port

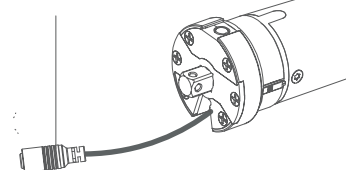


Micro-USB Charger 5w

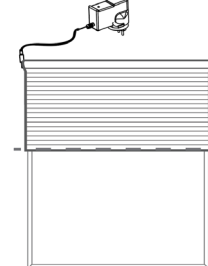


Large Motor

Charging Port



DC Charger 12W



Charging Instructions

Small/Medium Motor

This motor has a 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 a 5V charger (most phones chargers are 5V).

During operation, when the motor starts, the buzzer will beep 10 times, indicating a low-voltage alarm and needs to be charged.

During operation if the voltage is detected to be low and the battery is about to run out, or the battery has stopped running. The motor will need to be recharged.

Large Motor

This motor has a 12V built in Li-ion battery pack with integrated charge management.

Maximum charger charging input: 12.6V 1A.

Before the first use please charge the motor for 6 hours.

During operation, motor will stop running when the voltage is lower than 8.0V and it will resume again when the voltage is greater than 8.5V.

During operation, motor will stop and buzzer will sounds when the voltage is lower than 7.0V. It will resume again when the voltage is greater than 7.5V.

When the motor is running continuously and the voltage is lower than 10V, the buzzer will sounds 10 times.

*Please tuck away charging lead behind motor after charging is complete.

Rechargeable Battery



Blinking red:
Low battery alert



Blinking green:
Battery is charging



Solid green:
Battery fully charged

Caution

1. Do not expose motor to humid or extreme temperature conditions.
2. Do not drill into motor.
3. Do not cut the antenna and keep it clear from metal objects.
4. Do not allow children to play with this device.
5. Ensure correct crown and drive adaptor are used.
6. Ensure power cable and aerial is clear and protected from moving parts.
7. Motor should be mounted in horizontal position only.
8. Installation and programming to be completed by a competent professional, use or modification outside the scope of this instruction may void warranty.



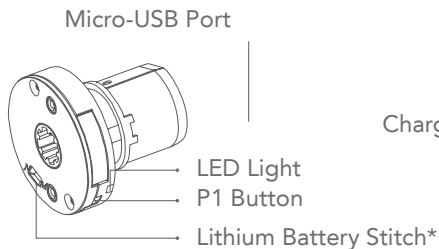
Important Safety Instructions To Be Read Prior To Operation.

Setting Notice

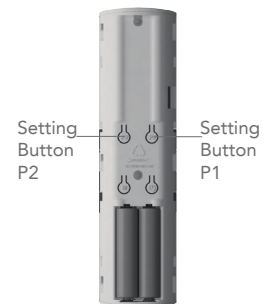
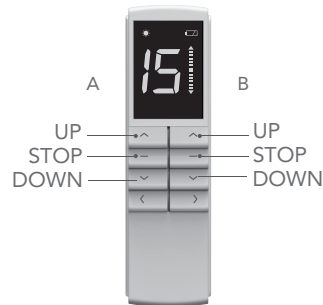
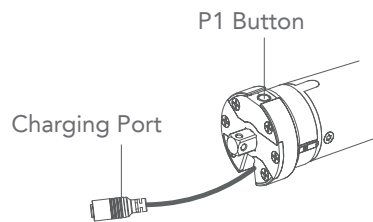
1. Don't operate motors when low voltage alarm.
2. Operating:
 1. The valid interval of the remote button is 10S, the remote will quit the set after 10S.
 2. The motor will run or beep for hint, please do the next step after the hint.
3. Set the limit position:
 1. After the upper / lower limit setting, and the upper / lower limit position can't be at the same position.
 2. It will exit limit setting when program there is no operation for 2 minutes.
4. If the remote is lost, please set up again with the new remote.
5. One motor can store a maximum 10 channels.

Button Instructions

Small/Medium Motors



Large Motor



Functions of P1 button

1. Cycle Operation: Press P1 button once and every press after that the motor will run upward - stop - downward circularly.
2. Pairing/Unpair Additional Remote: Press P1 button for 2S, motor jog once, release button and it will beep once, motor is ready for pairing / unpair additional emitter.
3. Radio Lock: Press and hold P1 button for 6S, the motor will jog twice, release button and it will beep twice, the motor enters radio lock status, the motor won't receive any signal; press P1 button once to disable Radio Lock.
4. Switch Direction: Press and hold P1 button for 10S, the motor will jog 3 times, release button and it will beep 3 times, the running direction of the motor has been changed.
5. Reset to Factory Mode: Press and hold P1 button for 14S, the motor will jog 4 times, release button and it will beep 4 times, the motor has been reset to factory mode. At this point the motor will go into deep a sleep. After entering deep sleep, the motor can't be controlled, press P1 button for 2S and then the motor turns to prompt to exit deep

1 Pairing



Press P1 button for 2S (1 jog), release button and make a long beep, within 10S, press STOP for 2S on the remote in the required channel (2 jogs and 3 beeps), the motor has been paired successfully.

* If within 10S, the motor doesn't receive STOP signal from the any remote, it will exit the paring mode automatically.

2 Switch Rotating Direction (Optional)

If press UP, the motor runs downward, try below to switch direction



Press and hold UP and DOWN buttons simultaneously for 2S, motor jog once, the direction has been switched successfully.

*This operation is only valid if the motor has no limits set. If the motor has the upper and lower limit set up, then you can switch the direction by pressing and holding the P1 Button. The blind will jog and beep three times to confirm direction change.

3 Upper and Lower Limits Setting

1 Set upper limit



Press UP for 2S, operate the motor to desired upper limit position, press and hold UP and STOP buttons simultaneously for 2S (2 jogs and 3 beeps), upper limit is set.

2 Set lower limit



Press DOWN for 2S, operate the motor to desired lower limit position, press and hold DOWN and STOP buttons simultaneously for 2S (2 jogs and 3 beeps), lower limit is set.

* If you exit the limits setting status before you finish the limit setting, then the motor will take the previous limits if has; After the limits have been set successfully, the motor will enter the user mode.

4 Adjust Limits

1 Adjusting the upper limit



Press and hold UP and STOP buttons for 5S (1 jog and make a long beep), operate the product to desired new upper limit position, press and hold UP and STOP buttons for 2S (2 jogs and 3 beeps), the new upper limit is programmed successfully.

2 Adjusting the lower limit



Press and hold DOWN and STOP buttons for 5S (1 jog and make a long beep), operate the product to desired new lower limit position, press and hold DOWN and STOP buttons for 2S (2 jogs and 3 beeps), the new lower limit is programmed successfully.

* After entering the limits fine tuning mode, the original preferred position will not be deleted;

5 Add a Preferred Position

1 Set preferred position



Check both upper and lower limits are set. Operate the product to desired preferred position. Press P2 (1 jog and 1 beep), press STOP (1 jog and 1 beep), STOP again (2 jogs and 3 beeps), the preferred position is set.

2 Remove preferred position

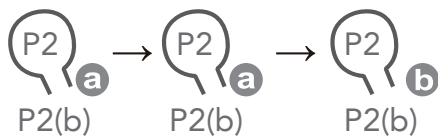


Check both upper and lower limits are set. Operate the product to desired preferred position. Press P2 (1 jog and 1 beep), press STOP (1 jog and 1 beep), STOP again (2 jogs and 3 beeps), the preferred position is set.

* Press STOP for 2S, the motor moves to preferred position automatically.

6 Pair/Unpair Additional Remote

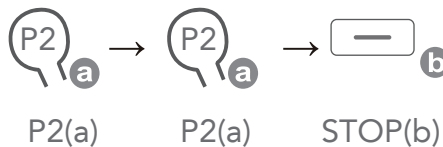
Method one



Press P2 (1 jog and 1 beep) and P2 (1 jog and 1 beep) on existing emitter, press P2 on new remote to add (2 jogs and 3 beeps), new emitter is paired to the motor.

- Repeat same procedure will unpair additional emitter.

Method two



Press P2 (1 jog and 1 beep) and P2 (1 jog and 1 beep) on existing remote, press STOP on new remote for 2S to add (2 jogs and 3 beeps), new emitter is paired to the motor.

Method three



Press P1 button for 2S (1 jog), release button and make a long noise, press STOP on new emitter for 2S to add (2 jogs and 3 beeps), new emitter is paired to the motor.

Repeating the same procedure will unpair additional remote.

* (a) existing remote,(b) new remote to pair/unpair; Adding the remote should be carried out when there is a limits; All the setting of the motor should be kept after adding the new remote.

7 Speed Regulation / Setting Motor Slow Stop Operation Mode

1 Acceleration setting / Activate the motor slow stop operation mode



Press P2 (1 jog and 1 beep), press UP (1 jog and 1 beep), UP again (2 jogs and 1 beep), the motor running speed is accelerated. When the motor is at the Max. speed, the motor jogs once and make a long noise after the last operation, and the motor slow stop operation mode is activated.

2 Deceleration setting / Deactivate the motor slow stop operation mode



Press P2 (1 jog and 1 beep), press DOWN (1 jog and 1 beep), DOWN again (2 jogs and 1 beep), the motor running speed is decelerated. When the motor is at the Min. speed, the motor jogs once and beep once after the last operation, and the motor slow stop operation mode is deactivated.

* The motor has 3 speed levels, the Max. speed: 28rpm; the Med. speed: 24rpm; the Min. speed: 20rpm. the factory default is 28rpm, slow stop mode (only works after the limits setting).

2 Jog Mode & Running Mode Switch



Press and hold UP and DOWN buttons simultaneously for 5S (1 jog), press STOP (1 jog and make a long noise), switch to jog mode, If motor jog twice and beep 3 times, switch to running mode.

* When in jog mode, press UP or DOWN once, the motor will be jog running, if press more than 2 second, the motor will be continuously running.

Quick Index

	Settings	Steps
1	Pairing	P1 (hold down 2s) > Stop (hold down 2s)
2	Switch Rotating Direction	Up + Down (hold down 2s)
3	Upper and Lower Limits Setting	1 Set upper limit Up (hold down 2s) > Up + Stop (hold down 2s) 2 Set lower limit Down (hold down 2s) > Down + Stop (hold down 2s)
4	Add / Remove Preferred Position	P2 > Stop > Stop
5	Jog Mode & Running Mode Switch	Up + Down (hold down 5s) > Stop
6	Adjust Limits	1 Adjusting the upper limit Up + Stop (hold down 5s) > Up or Down > Up + Stop (hold down 2s) 2 Adjusting the lower limit Down + Stop (hold down 5s) > Up or Down > Down + Stop (hold down 2s)
7	Pair / Unpair Additional Emitter	1 Pair / Unpair Additional Emitter P2(a) > P2(a) > P2(b) 2 Pair Additional Emitter P2(a) > P2(a) > Stop (b) (hold down 2s) 3 Pair / Unpair Additional Emitter P1 (hold down 2s) > Stop(b) (hold down 2s)
8	Speed Regulation / Setting Motor Slow Stop Operation Mode	1 Acceleration setting / Activate the motor slow stop operation mode P2 > Up > Up 2 Deceleration setting / Deactivate the motor slow stop operation mode P2 > Down > Down

Troubleshooting

Issues	Possible Causes	Solution
The motor has no response	Battery in motor is depleted	Recharge with compatible AC adaptor
	Power Failure Or Incorrect Connection	Double check power and cable connections, follow wiring instructions.
	Remote battery is low	Replace battery
	Radio interference / shielding	Check antenna on motor is intact and exposed. Check for possible source of radio interference.
	Out of radio control range	Try control within closer range
The emitter can't control single motor	Multiple motors are paired to the same channel	Pair single motor with emitter correctly Try to use multi-channel emitters to control multi-motor projects, ensure each channel to control one single motor
The motor doesn't run or starts too slowly or make loud noise	Connections are incorrect.	Check connections
	Connections are incorrect.	Check connections
The motor stops during the up and down running	The motor has reached the lower limit	Adjust the new lower limit
	The running time more than 6min	Consult the sales for more information

Scan QR Code below to view video guides on pairing remote and setting limits.



SAFETY NOTICE

1. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
2. Children shall not play with the appliance.
3. Cleaning and user maintenance shall not be made by children without supervision.
4. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
5. **WARNING:** the drive shall be disconnected from its power source during cleaning, maintenance and when replacing parts.
6. The instructions shall state that the A-weighted emission sound pressure level of the drive is equal to or less than 70 dB(A), e.g. by writing $L_{pA} \leq 70$ dB(A).
7. The mass and the dimension of the driven part shall be compatible with the rated torque and rated operating time.
8. The type of driven part the drive is intended for.
9. **WARNING:** Important safety instructions. It is important for the safety of persons to follow these instructions. Save these instructions.
10. Do not allow children to play with fixed controls. Keep remote controls away from children.
11. Frequently examine the installation for imbalance and signs of wear or damage to cables and springs. Do not use if repair or adjustment is necessary.
12. Watch the moving shutter and keep people away until the shutter is completely closed.
13. **WARNING:** Important safety instructions. Follow all instructions, since incorrect installation can lead to severe injury.
14. Before installing the drive, remove any unnecessary cords and disable an equipment not needed for powered operation.

