

Quick Install Setting Guide

MULTI-DRIVE PRO



10711084



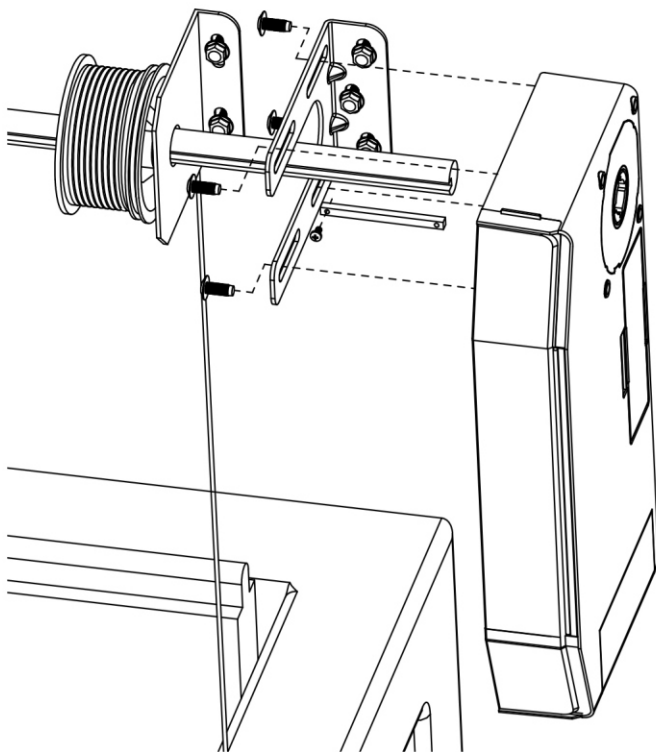
WARNING

Please read the manual carefully before installation and use.

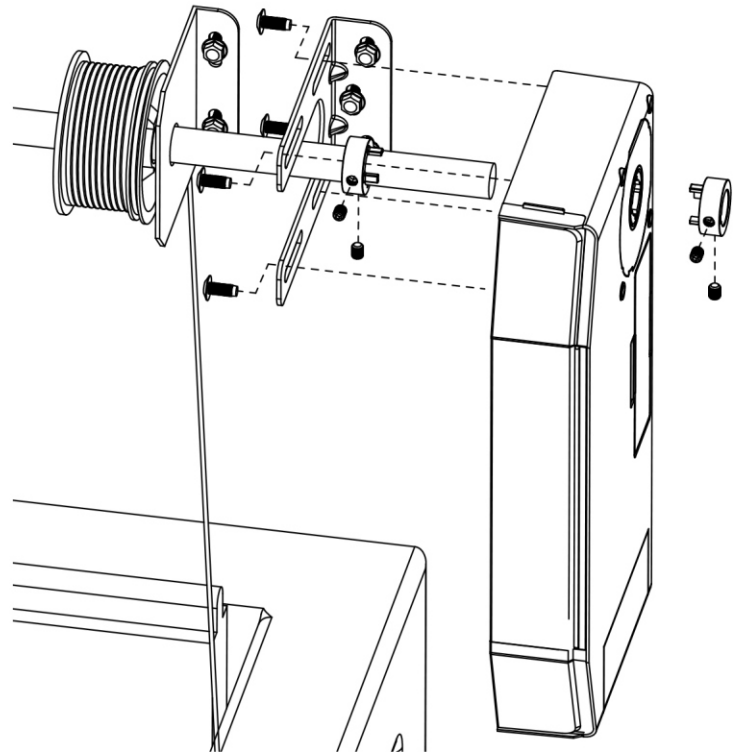
The installation of your new door opener must be carried out by a technically qualified or licensed person.

Attempting to install or repair the door opener without suitable technical qualification may result in severe personal injury, death and / or property damage.

A Mechanical installation



Hollow tube with keyway installation



Hollow tube keyless installation

B Emergency release



CAUTION!

Disconnect the gate from the mains before using the emergency release. The emergency release must be used only with the motor stopped and only by service technicians or trained persons. The emergency release must be operated from a safe position only.



DANGER OF FALLING!

In case of an emergency release, the door could independently open or close itself due to a broken spring or incorrect setting of the weight balancing. The operator could be damaged or destroyed.



IMPORTANT INFORMATION!

A switchover between manual and motorised operation can take place in any position of the door.



IMPORTANT INFORMATION!

The gate must not be moved past the end positions, otherwise safety switch will be approached. The gate system can be electrically operated again when the safety switch has been "released" by emergency actuation.

B1 Opening and closing door with emergency chain




1. Pull the emergency cord handler once (pull force max. 250 N).
⇒The gearing moves freely and the door can be moved manually.
2. Open or close the door manually.
3. Pull the emergency cord handler once (pull force max. 250 N).
⇒The opener is ready for motorised operation again.


C Control box function button introduction

C1 Basic button instructions

Short press: Door opening button/ move up to adjust the function menu/travel setting "door opening" button

Short press: Menu confirmation button
Long press: Enter the menu


Short press: Enter coding mode, display  menu, return to the standby screen

Long press for 8 seconds:
Clear all remote control codes and display 

Short press: Door closing button / move down to adjust the function menu / travel setting "Door closing" button

Digital display



Short press: Display the current door opening speed parameters, default parameters:  (Default)
Long press for 8 seconds:
Adjust the door opening speed, parameter range:

 ~ 

Adjust the door opening force level button
[View D4 for details](#)

Adjust the door closing force level button
[View D5 for details](#)

Wireless device pairing button
[View D3 for details](#)

C2 Wireless device light description

Here we only explain the meaning of the indicator light colors:

Illustration :

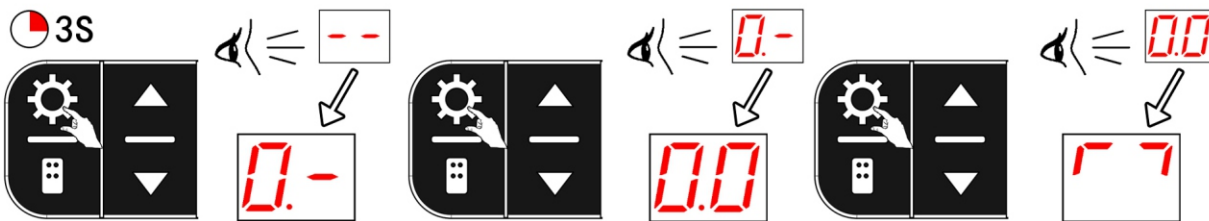


Blue	WiFi indicator light
Red	Wireless device trigger status
Green	Wireless device normal (not triggered) status
Light blue	Wireless device low battery normal (not triggered) state
Purple	Wireless device low battery trigger state
White	Wireless device disconnection status

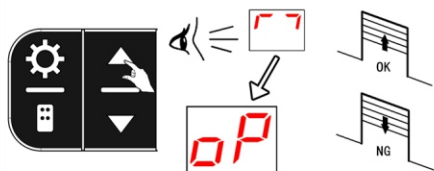
D Programming instructions

D1 Travel limit setting

1. Enter motor travel setting

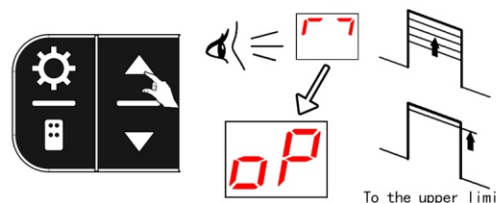


2. Check motor output direction and door direction

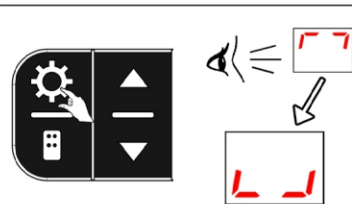


Note: If the motor running direction does not match the door running direction, please exit the learning process first and adjust the motor running direction in the 0.1 menu.

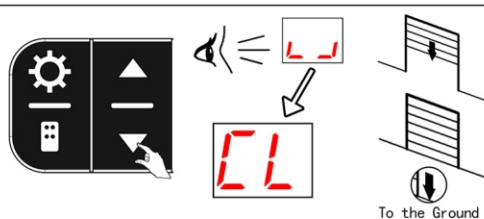
3. Start the learning journey, open the door and move to the upper limit position



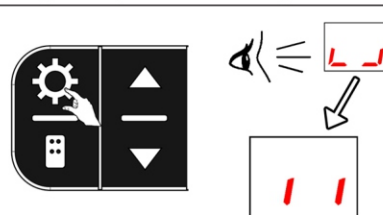
4. Save upper limit position



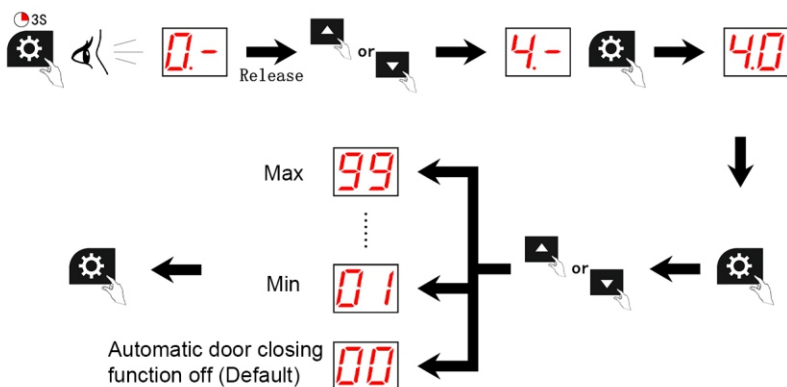
5. Close the door and move to the lower limit



6. After saving the lower limit position, enter self-learning, and after the self-learning is completed, the learning travel ends.



D2 Auto close



① To use the automatic door closing function, a safety edge protection device or infrared safety protection must be installed. And the motor door is in jog mode (menu 1.0)

① The time setting range of this parameter is: 1 second - 990 seconds.

① Press the + button to set the parameter per second to flash slowly 1-99, and when the + button exceeds 99, the parameter resets to flash 1-99 quickly, and each parameter is 1*10 seconds at this time.

D3 Wireless device pairing



Long press for 3 seconds: Enter the wireless device pairing state, the indicator light is always white, and the display



Press and hold for 8 seconds: Clear all wireless paired devices, and release the button when the indicator light flashes red.

D4 Adjust the door opening force level



Short press: Display the current door opening force level parameters, default parameters: (Default)



Long press: Adjust the door opening force level, level range: ~

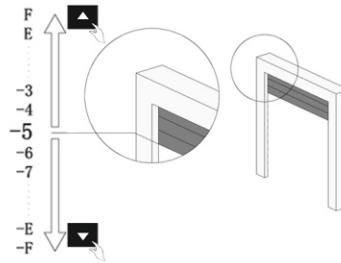
D5 Adjust the door closing force level



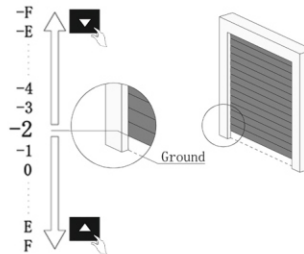
Short press: Display the current door closing force level parameters, default parameters: (Default)



Long press: Adjust the door closing force level, level range: ~





















The diagram illustrates a multi-step navigation task. It begins with a 'Release' action, leading to a sequence of states (0-, 1-, 10, 13) and actions (up/down arrows). The final state is a choice between 'Max', 'Default', and 'Min' actions, which then leads to a final gear icon.



- ## E Commonly functions



Function debugging

Display	Function and description	Display	Function and description
	Motor rotation direction setting "0~1" (Set on "0" as standard in factory.)		Opening deceleration distance adjustment "1~8"(Set on "3" as standard in factory.)
	Remote control function selection "0~4" (Set on "0" as standard in factory.)		Closing soft stop speed adjustment "30~80"(Set on "35" as standard in factory.)
	Open door, close door operation mode "1~4" (Set on "4" as standard in factory.)		Opening soft stop speed adjustment "50~80"(Set on "55" as standard in factory.)
	Safety edge pre-limit fine-tuning "1~F" (Set on "2" as standard in factory.)		Deceleration stop time setting "0.1~2.0" (Set on "0.7" as standard in factory.)
	Motor upper limit fine-tuning "-F~F" (Set on "-5" as standard in factory.)		Motor soft start time setting "0.1~2.0" (Set on "0.7" as standard in factory.)
	Motor lower limit fine-tuning "F~-F" (Set on "-2" as standard in factory.)		Motor lower limit overflow time setting "0~50" (Set on "20" as standard in factory.)
	Door closing speed adjustment "40~A0" (Set on "70" as standard in factory.)		Overcurrent or safety edge encounters resistance reversal time adjustment "0~99" (Set on "0" as standard in factory.)
	Door opening speed adjustment "70~A0" (Set on "A0" as standard in factory.)		Infrared resistance sensitivity adjustment "0~99" (Set on "50" as standard in factory.)
	Closing deceleration distance adjustment "1~8"(Set on "4" as standard in factory.)		Reverse running time adjustment "0~9" (Set on "0" as standard in factory.)

Display	Function and description	Display	Function and description
4.0	Automatic door closing function "0~99" (Set on "0" as standard in factory.)	7.5	Query function of the latest 4 fault codes
4.1	Automatic door closing condition function setting "1~2" (Set on "1" as standard in factory.)	8.0	Maintenance alarm times function setting "0~L" (Set on "0" as standard in factory.)
4.2	Association setting of automatic door closing and infrared function "0~30" (Set on "0" as standard in factory.)	8.1	Maintenance alarm times query function
5.0	PE port function setting "1~2" (Set on "1" as standard in factory.)	9.0	Fire alarm port function setting "0~3" (Set on "3" as standard in factory.)
6.0	Partial open function setting "0~8" (Set on "0" as standard in factory.)	9.1	Remote control lock function setting "0~1" (Set on "0" as standard in factory.)
6.1	PB port function settings "1~5" (Set on "1" as standard in factory.)	9.2	Child lock function "0~1" (Set on "0" as standard in factory.)
6.2	Flash light port function setting "0~6" (Set on "0" as standard in factory.)	9.3	Setting of early warning time before warning light operation "0~9" (Set on "0" as standard in factory.)
6.3	Electronic lock function setting "0~1" (Set on "0" as standard in factory.)	9.4	Alarm light automatically closes the door and extra warning time function setting "0~12" (Set on "0" as standard in factory.)
6.4	HB port function setting "1~5" (Set on "4" as standard in factory.)	9.5	Warning light flashing frequency function setting "1~5" (Set on "3" as standard in factory.)
6.5	Relay function setting "0~54" (Set on "0" as standard in factory.)	9.6	Warning light delay off setting "0~7" (Set on "0" as standard in factory.)
6.6	Safety edge function query "0~3"	A.0	Relay Port Traffic Light Function Pre-warning Time Setting "0~9" (Set on "0" as standard in factory.)
7.0	Courtesy light delay off function setting "1~9" (Set on "3" as standard in factory.)	A.1	Relay Port Traffic Light Function Automatic Door Closing Additional Alarm Time Setting "0~12" (Set on "0" as standard in factory.)
7.1	Restore factory function settings	A.2	Relay port traffic function light flashing frequency setting "0~5" (Set on "3" as standard in factory.)
7.2	Customer code query	A.3	Relay Port Traffic Light Function Delay Shutdown Setting "0~7" (Set on "0" as standard in factory.)
7.3	Software version query function	A.4	Relay Port Lower Limit Activation Area Function Setting "0~3" (Set on "0" as standard in factory.)
7.4	Motor accumulative running times query function	A.5	Relay port upper limit activation area function setting "0~3" (Set on "0" as standard in factory.)

Wired electronic

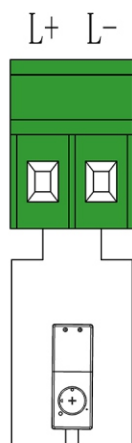
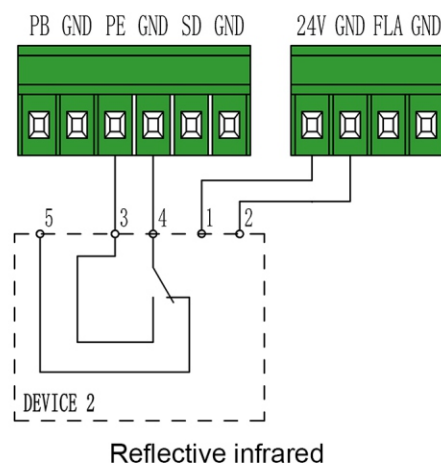
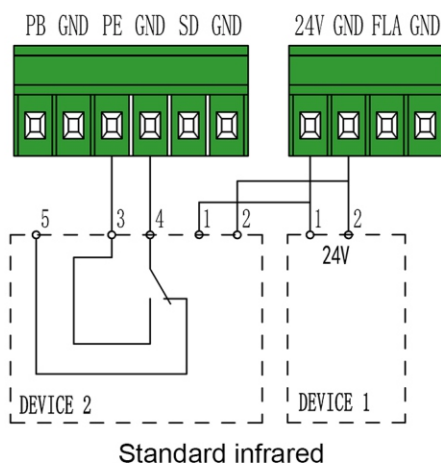
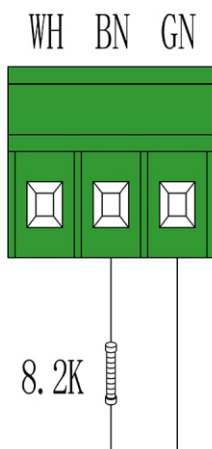


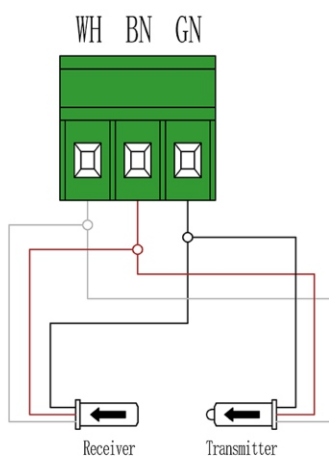
Photo cell



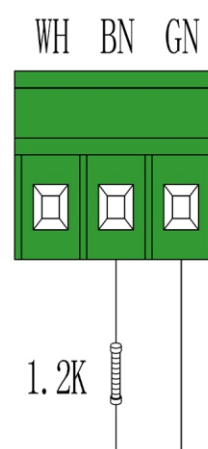
Electrical safety edge 8.2K



Optical safety edge (Three-line infrared security edge)



Pneumatic safety edge (DW)



Safety Edge Mode Switching Steps :















1. Before switching the safety edge port mode, please ensure that the power is disconnected.
2. After the power is disconnected, replace the safety edge device that needs to be connected .
3. Reconnect the power, and the safety edge port will automatically recognize the change, completing the safety edge mode switch.



Precautions:

1. Please note if the power is not disconnected before switching the safety edge port mode, the safety edge port will not be able to automatically recognize the change. In this case, the control box's display may show an error message.
2. If both a wired safety edge port and a wireless safety edge device are connected at the same time, the device will automatically prioritize the recognition of the wireless safety edge device. In this case, the wired safety edge port will become inactive.

G Common fault & solutions

Fault display	Fault Description	Fault Correction
	There is no change in position data during operation.	The door body is blocked, check the blocked point. The running speed of the door body is too slow, adjust the running speed of the door opening and closing. Motor limit structure failure, replace the motor.
	Encoder chip data failure.	Replace the encoder.
	Limit and encoder communication failed.	There is some interference in the operation site. Eliminate the source of interference on site and execute the control operation again. The communication line is broken, replace the communication line Encoder failure. Control system failure replacement control system accessories.
	Limit module not detected.	Encoder failure and replacement of encoder accessories. Encoder wire connection, replace the 10-core wire. The limit system is faulty, replace the control module.
	Door is blocked while opening or overcurrent stopped.	Check the door body for smooth operation, or replace it with a higher power motor.
	Rope release switch port.	Check the status of the steel wire rope on the door body, and then run it after repairing.
	Secure edge port not connected.	Without the safety edge device installed, the door operator can only execute the dead man mode, and it must be connected to the safety side device correctly.
	<ol style="list-style-type: none"> 1. Appears when the stroke is set, and the motor does not operate, press SET to appear 2. Over-limit coordinates appear during standby operation 3. Appears when the built-in infrared coordinate setting condition is not at the upper limit, or appears when both are built-in infrared 4. When the automatic door is closed this time, the door closing prompt cannot be performed due to related failures or dead man mode DW. 	According to the operation instructions, after the relevant conditions are met, perform the operation setting.
	The stroke setting failed, the distance is too short, or the limit is exceeded.	Set itinerary.
	Door-in-door port triggers emergency stop.	Check the door-in-door switch.
	The motor wiring sequence is reversed.	Adjust the motor wiring sequence
	The program and the circuit board do not match	Check whether the PRO version and STD version display control module, WiFi module, terminal wiring module are consistent.
 	The connection between the driver module and the display control module is abnormal	<ol style="list-style-type: none"> 1. Check whether the display control module connection cable is damaged. 2. Check whether the wiring of the drive module and display control module is loose. 3. Check whether the driver module is connected normally. 4. Replace the driver module or display control module.

COMPLETE MANUAL:

