

Boxer 500/800_{US}

Chain Drive Sliding Gate Opener

24V DC Motor

For Residential User Manual



UL Classification

1. Class I - Residential Vehicular Gate Operator

A vehicular gate operator (or system) intended for use in a home of one to four single family dwellings, or garage or parking area associated therewith.

2. Class II - Commercial/General Access Vehicular Gate Operator

A vehicular gate operator (or system) intended for use in a commercial location or building such as a multi-family housing unit (five or more single family units, hotel, garages, retail store or other building servicing the general public.

3. Class III - Industrial /Limited Access Vehicular Gate Operator

A vehicular gate operator (or system) intended for use in a commercial location or building such as a multi-family housing unit (five or more single family units, hotel, garages, retail store or other building servicing the general public.

4. Class IV - Restricted Access Vehicular Gate Operator

A vehicular gate operator (or system) intended for use in a guarded industrial location or building such as an airport security area or other restricted access location not servicing the general public, in which unauthorized access is prevented via supervision by security personnel.

Product Usage

This product meets all the safety requirements as set forth by the UL 325 standards. This product is meant to be used as a Class I Residential Vehicular Gate Operator, and is intended for this sole purpose.



Contents

I. Safety Overview	4
II. Product Description And Intended Use	5
I. Kit Content.....	5
II. Tools	6
III. Description of Device	6
IV. Dimensions	7
III. Installation	8
I. Assemble the Metal fixing plate.....	8
II. U-bolt Installation	9
III. Chain Installation	10-11
IV. Limit Switch Installation	11-12
V. Sprocket Cover Installation	12
VI. Manual Release Of The Gate Opener	12
IV. Control Panel	13
I. Control Board	13
II. Electrical Connection Specifications	14
III. Remote Learning.....	14
IV. Programming	15-16
V. Parameter Table	17-19
VI. Safety Device Logic	20
VII. System Learning	21
VIII. Reset To Default Settings	21
V. Smartphone Control With CHOW! Mobile Application	22
I. WiFi/Bluetooth Module Description	22
II. Apply For a New Chow! Account	22-23
III. Operation	24
IV. Owner Shares The Device to Other Users	24
V. Push Notification.....	25
VI. FAQ	26-27
VII. FCC Warning	28
VIII. FCC RF exposure statement	28
VI. Technical Specifications	29
VII. Maintenance	29

Installation Guide Video

Scan QRcode



Boxer 500,800us



I. Safety Overview

-----Important Instructions-----

Thank you for choosing TMT Automation® Automatic Gate Opener System, a leader and innovator in the field of gate automation systems. This manual will guide you through the steps of installation and maintenance. PLEASE READ AND FOLLOW THE STEPS CAREFULLY TO REDUCE the risks of injury or death. Failure to meet the requirements set forth in the instructions manual could result in damages for which the manufacturer cannot be held responsible.

1. Keep in mind that the gate operator is just one component of the entire gate operation system. To achieve optimal performance, be sure to properly install and maintain all the components.
2. The gate operator is intended for use on vehicular gates only and not for pedestrian gates. Unauthorized applications may induce safety risks.
3. The gate opener should be installed inside the fence and property line. Swing gates must not open into areas where the public has access.
4. Do not let children operate or play with the gate controls.
5. Please keep people and objects clear of the gate its area of travel. No one should cross the path of a moving gate.
6. Do not make any modifications to any components except to those that are mentioned in this manual.
7. Make sure to comply with all local electrical and building regulations.
8. If you suspect that there is a problem with your gate opener, consult qualified personnel before attempting to operate the gate.
9. While this system is equipped with safety measures designed to prevent injury and damages to you and your vehicles, it is recommended that you purchase additional devices such as photosensors to further enhance safety measures.

PROP 65



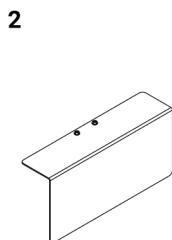
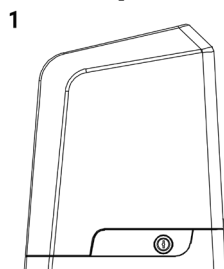
WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov



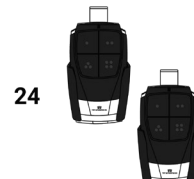
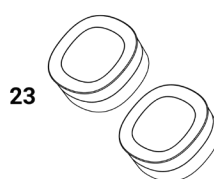
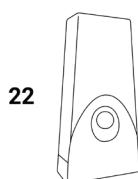
II. Product Description And Intended Use

I. Kit Content

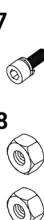
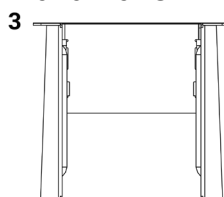
• Gate opener



• Accessories



• Hardware



• REF

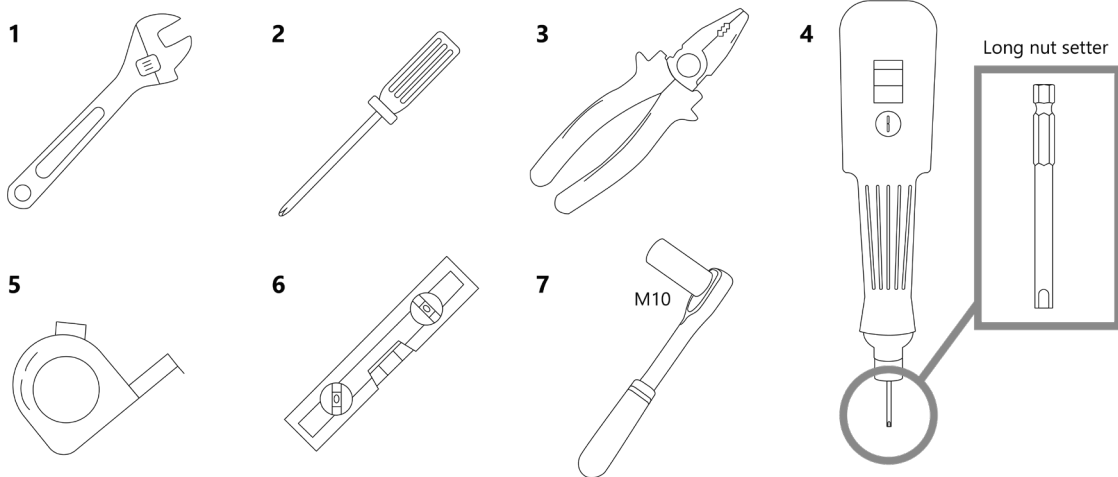
DESCRIPTION

QUANTITY

1.	24VDC Sliding gate opener	1
2.	Sprocket cover	1
3.	Metal fixing plate	1
4.	Plain washer(Ø6. Ø8. Ø10)	16. 4. 4
5.	Spring washer(Ø6. Ø8. Ø10)	16. 4. 4
6.	Nut M6	18
7.	Screw M6	2
8.	Nut M8	4
9.	Screw M3	2
10.	Nut M10	4
11.	Screw M10	4
12.	Bracket plate	2
13.	Square U-bolt	8
14.	U-bolt	8
15.	Tie rod	2
16.	Expansion bolt	4
17.	Plate for limit switch	2
18.	Limit switch bracket	2
19.	Chain	1
20.	Magnet	2
21.	Warning Sign	1
22.	Flashing light (Optional)	1
23.	Photocells (Optional)	1
24.	Remote	2

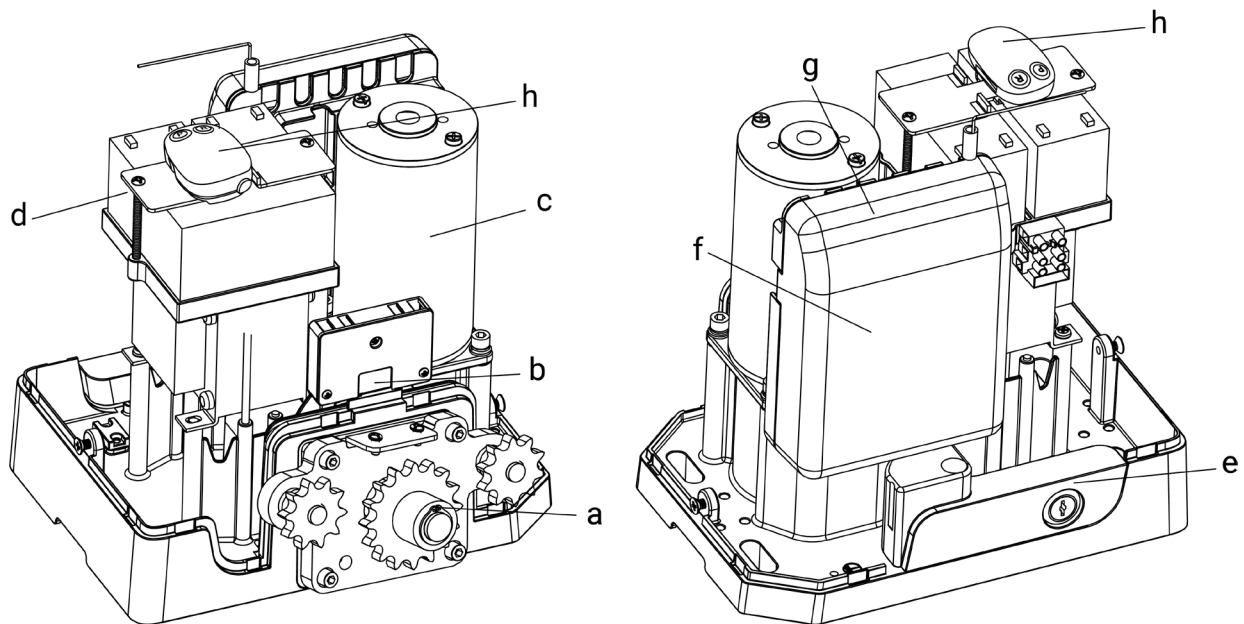
II. Tools

Below is a list of tools recommended for installation. Please have them prepared before you start your installation to save time.



1. Adjustable wrench
2. Phillips screwdriver
3. Pliers
4. Electric screw driver
5. Tape measure
6. Level
7. Socket wrench

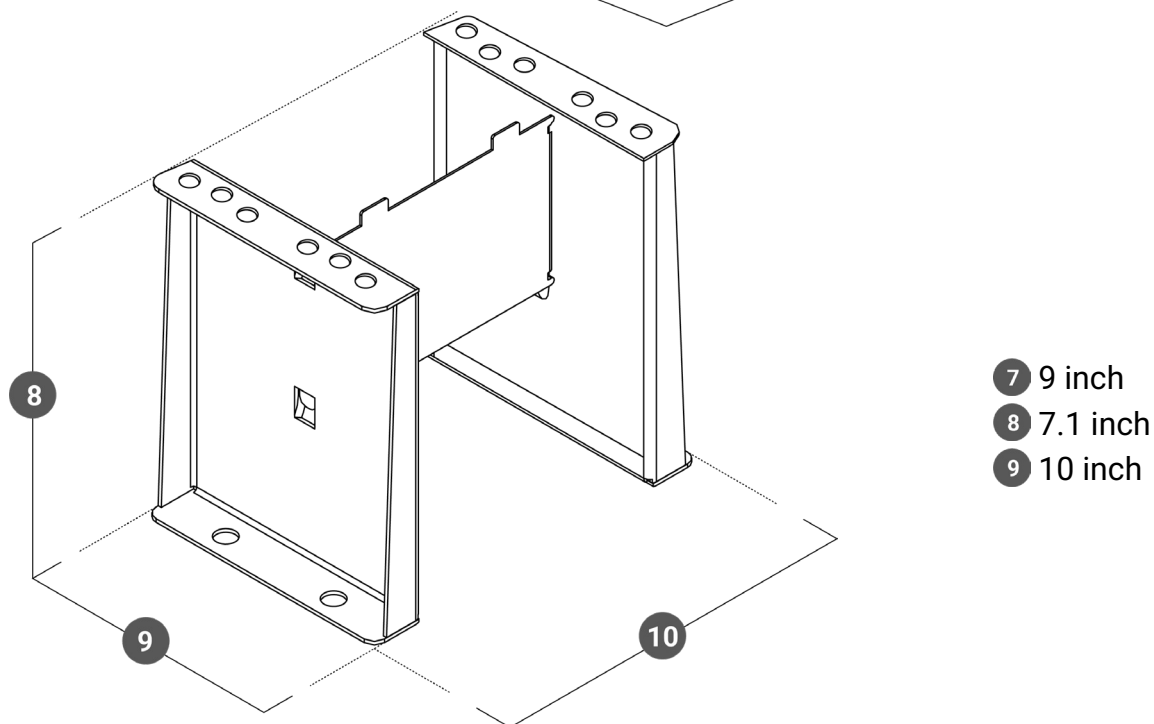
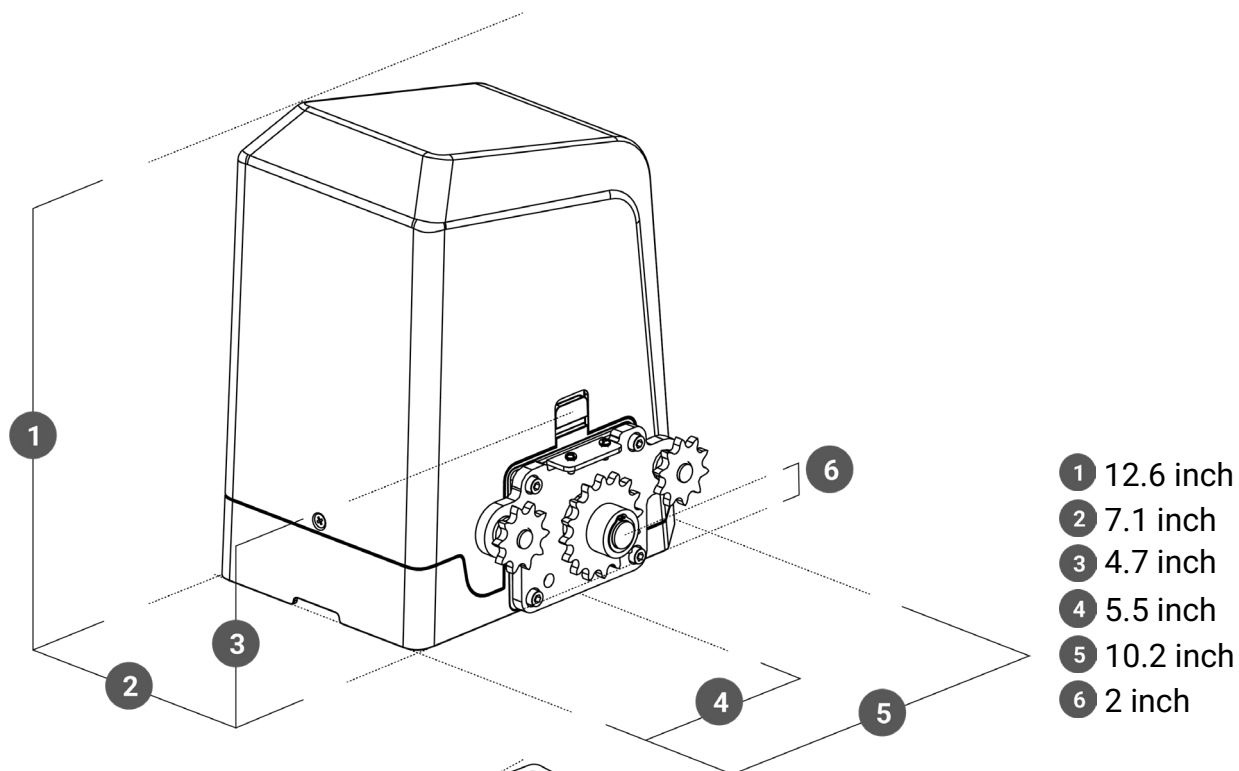
III. Description of Device



- a. Operation gear
- b. Limit switch device
- c. 24VDC motor
- d. Back-up batteries

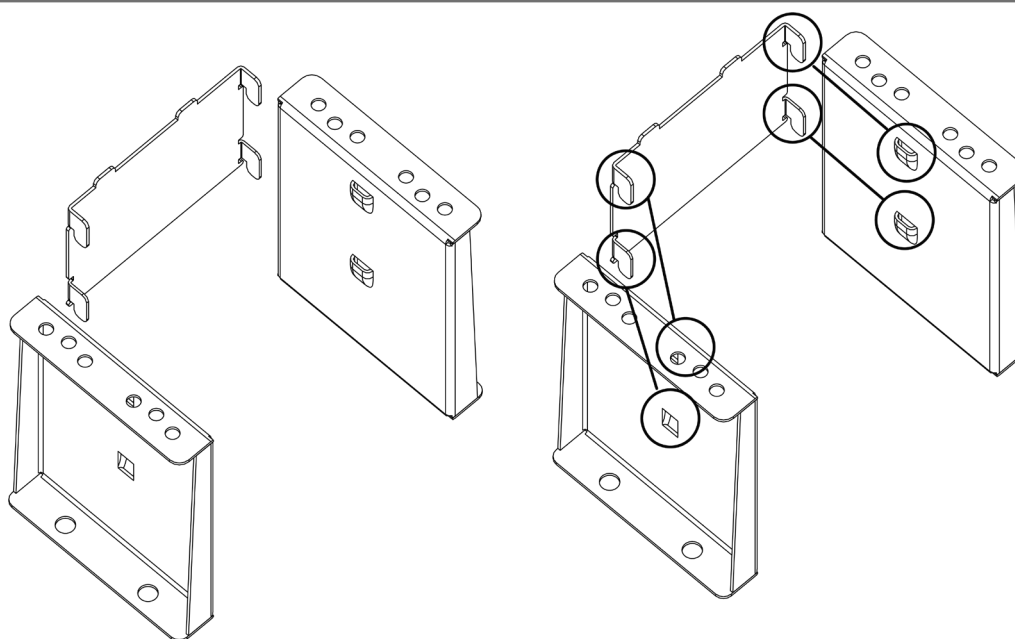
- e. Release device
- f. Control panel under the cover
- g. Cover of the control panel
- h. Wifi Box (Refer to WB3 User Manual)

IV. Dimensions

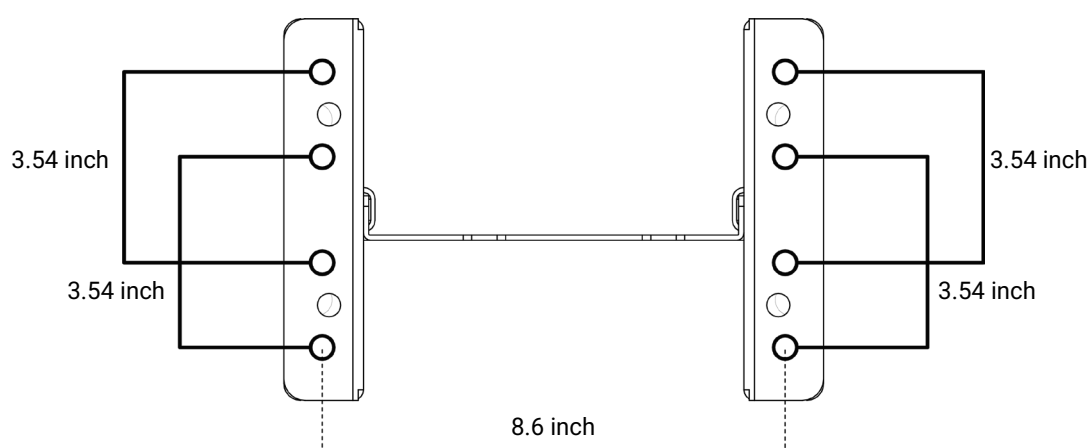


III. Installation

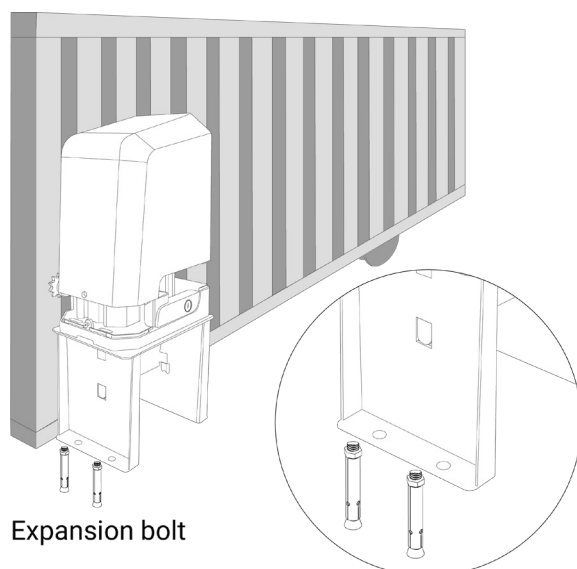
I. Assemble the Metal fixing plate



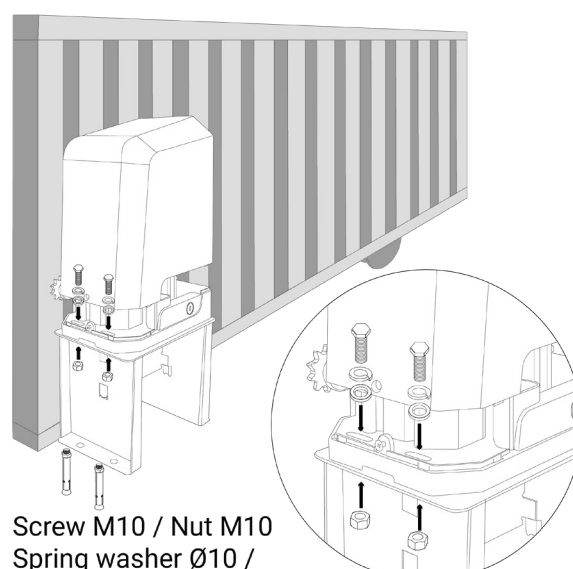
The gate opener needs to be installed on these holes.



• Support Plate Installation

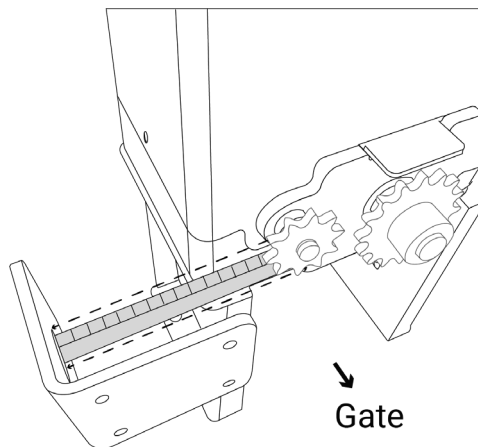


Expansion bolt

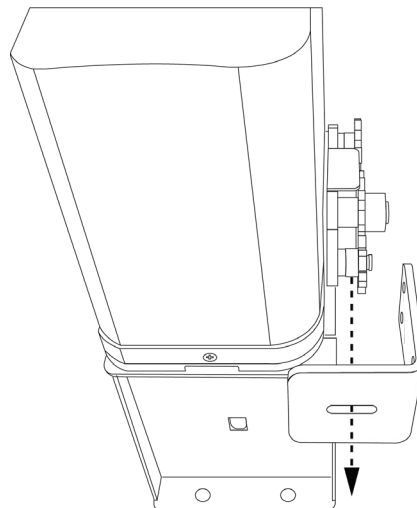


Screw M10 / Nut M10
Spring washer Ø10 /
Plain washer Ø10

II. U-bolt Installation

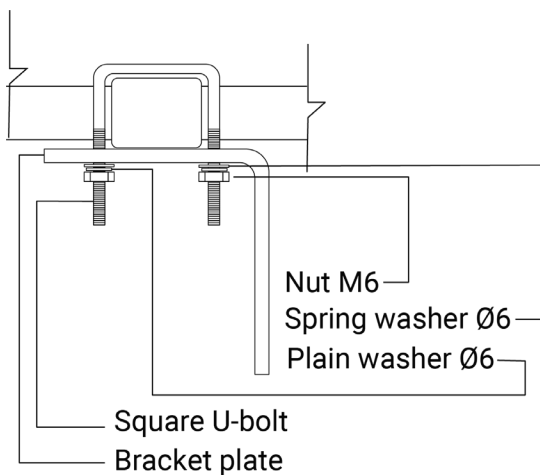


1. Please make sure that the bottom of the chain sprocket is level with the bracket plate.

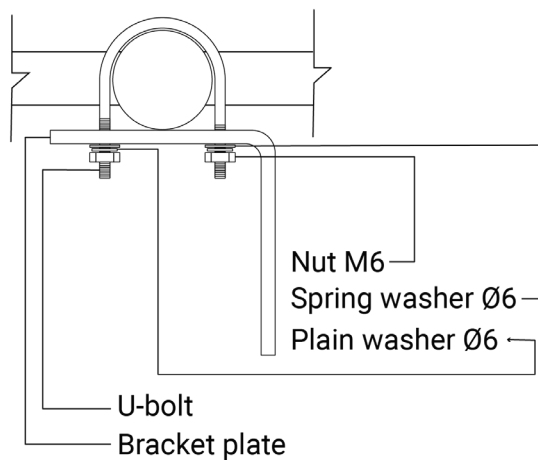


2. Adjust the gate opener position until the teeth of the chain sprocket are vertically aligned within the range of the hole in the bracket plate.
3. Using U-bolts to attach the bracket plate to the gate frame.

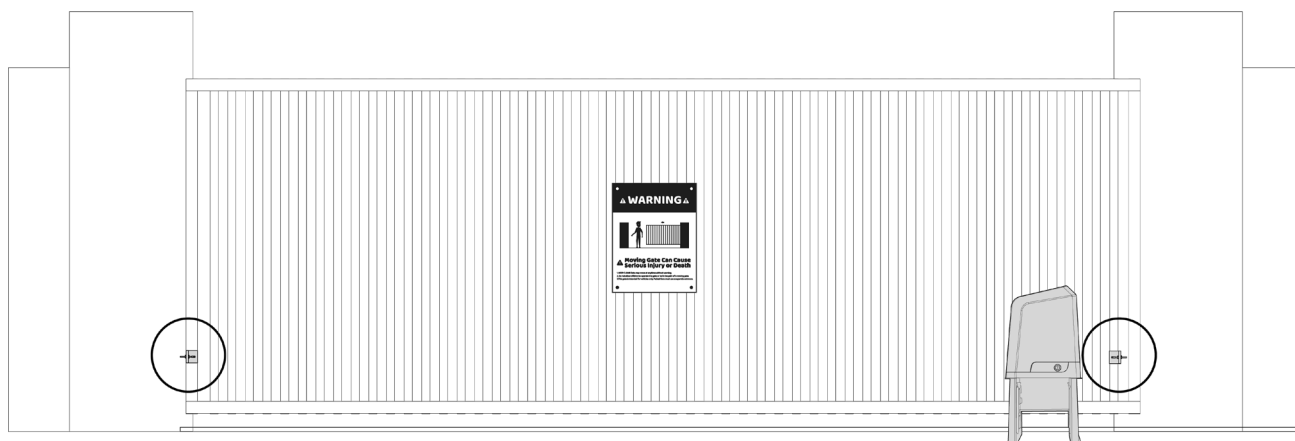
• Square U-bolt



• U-bolt

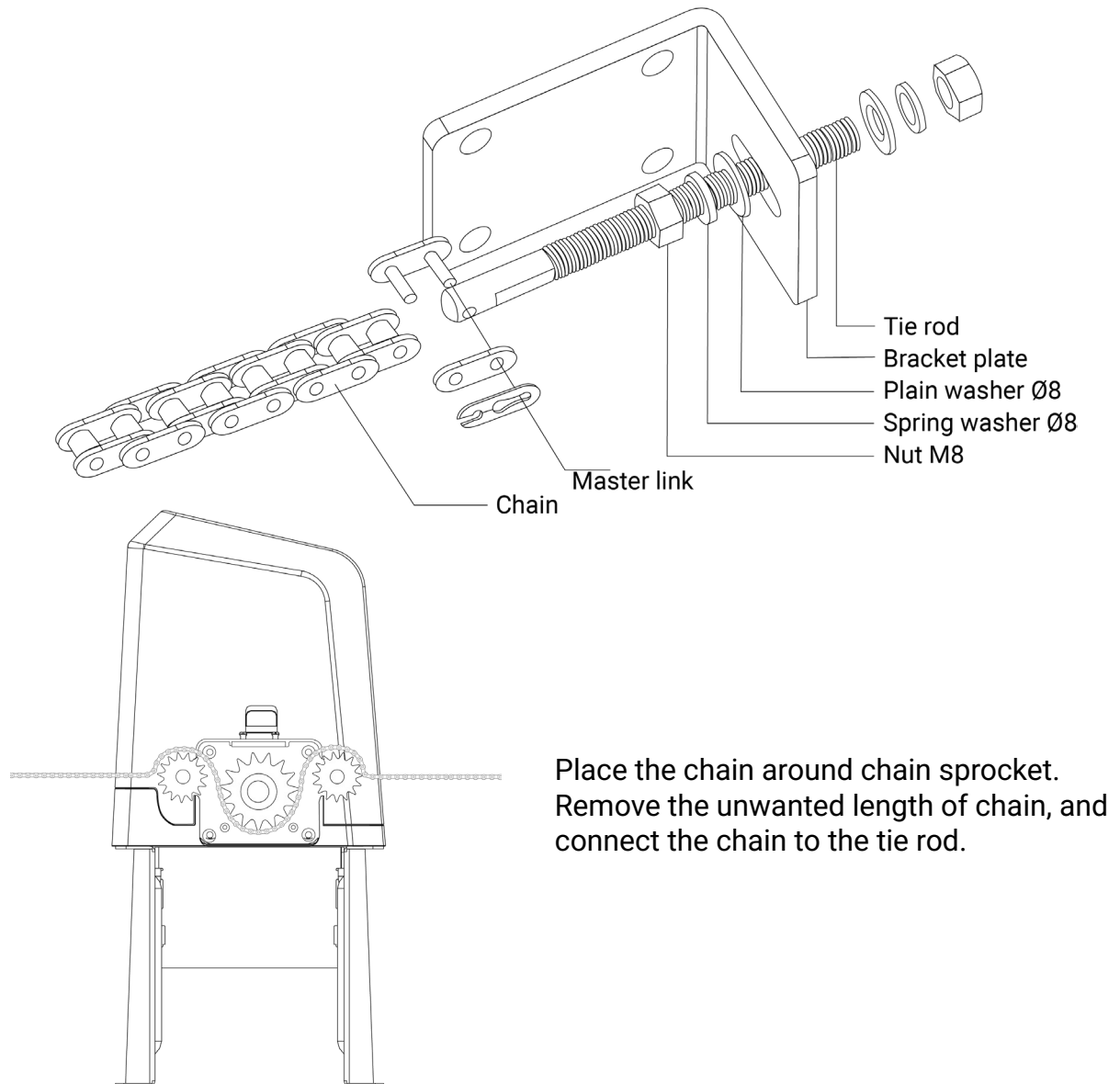


Install both sides of the gate.

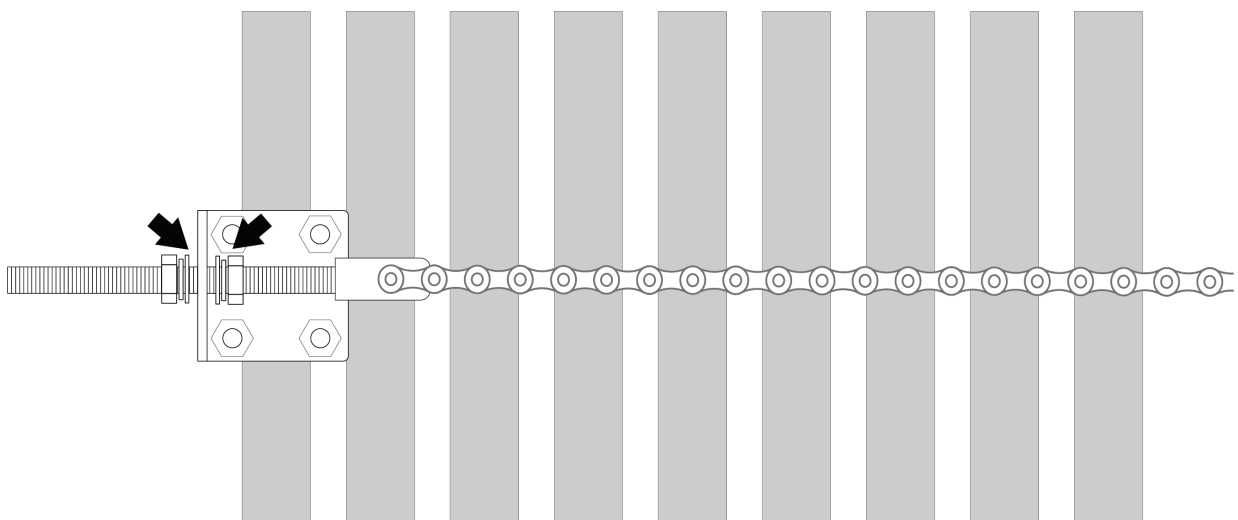


III. Chain Installation

1. Install the Tie rod into the bracket plate.
(Nuts will be further adjusted for a proper chain tension later.)
2. Connect the chain to the tie rod.

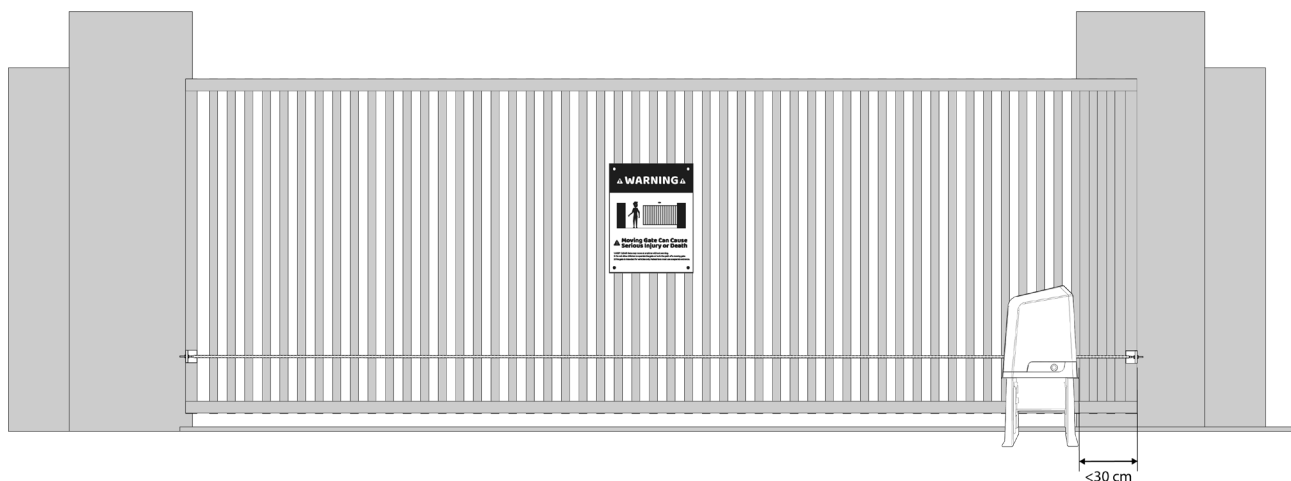


Set appropriated chain tension by adjusting two chain bolts of the both end.





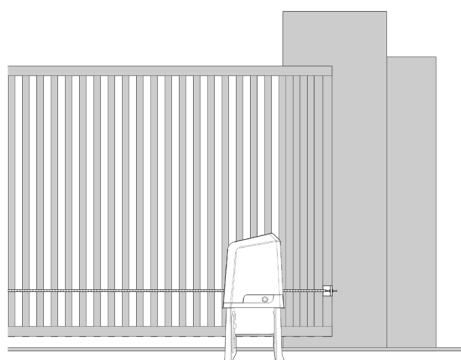
Please make sure that the distance between the gate opener and the bracket plate is at least 11.81 inch (30 cm).



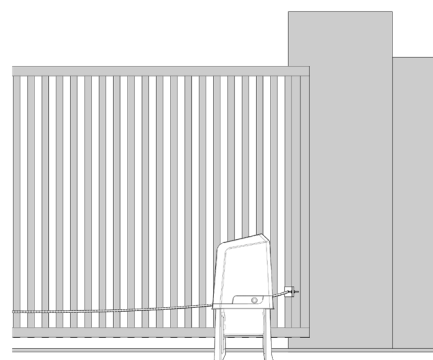
Make sure that the chain is line up exactly with the position where the chain on the gear.
Make sure that the chain is parallel with the upper edge of the chain sprocket.
The chain brackets must be mounted to the same height as the chain on the gear.



Correct

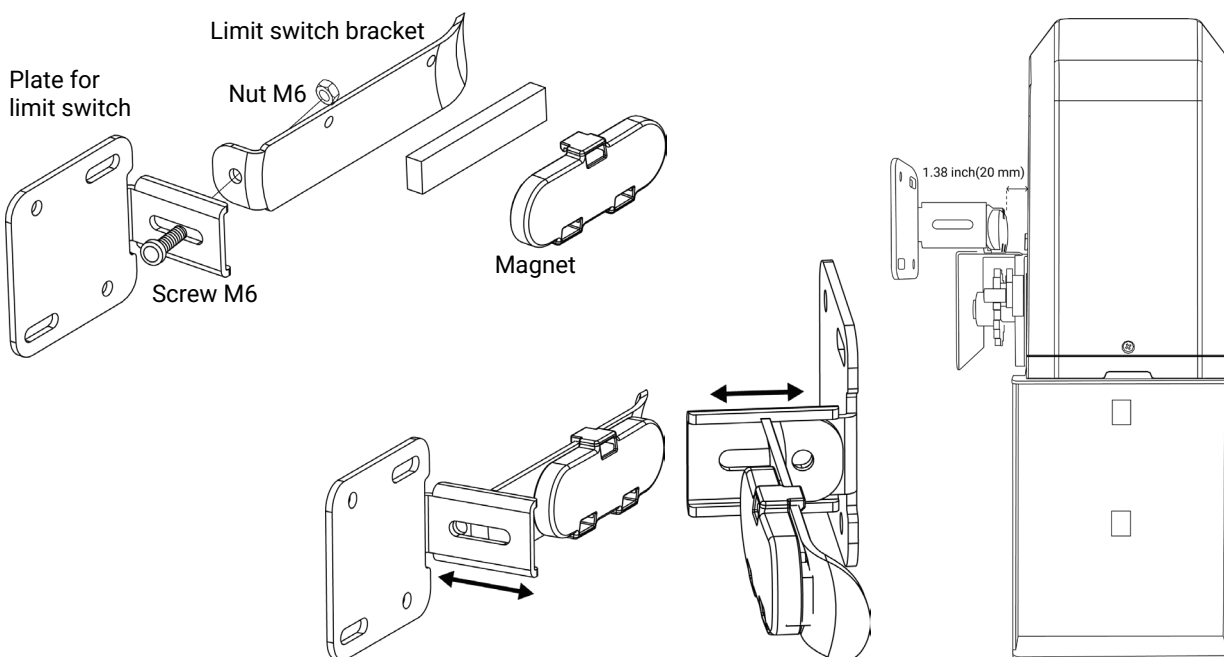


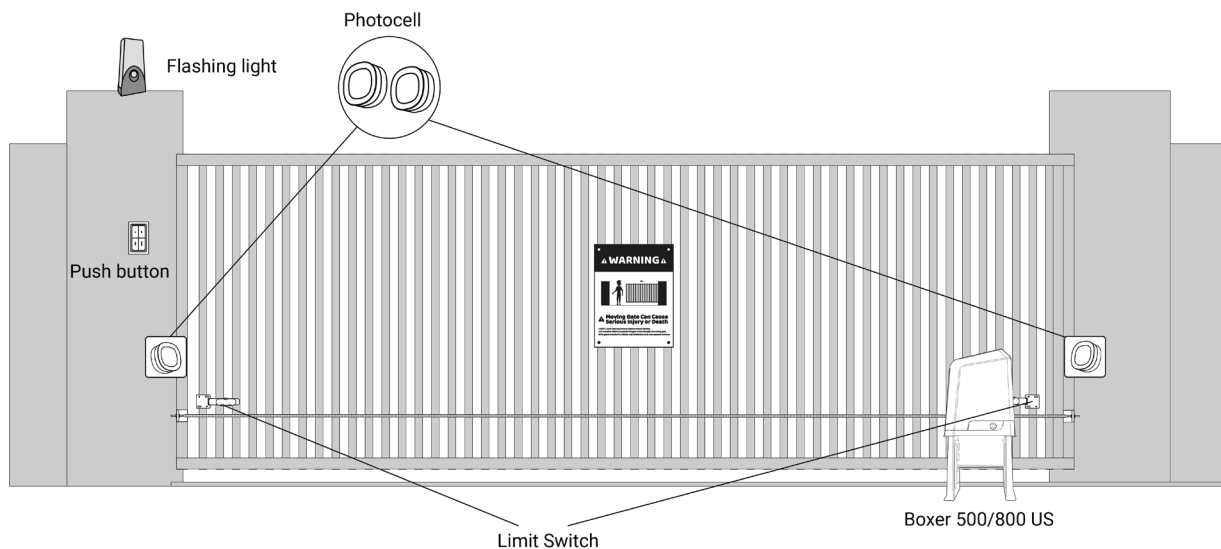
Incorrect



IV. Limit Switch Installation

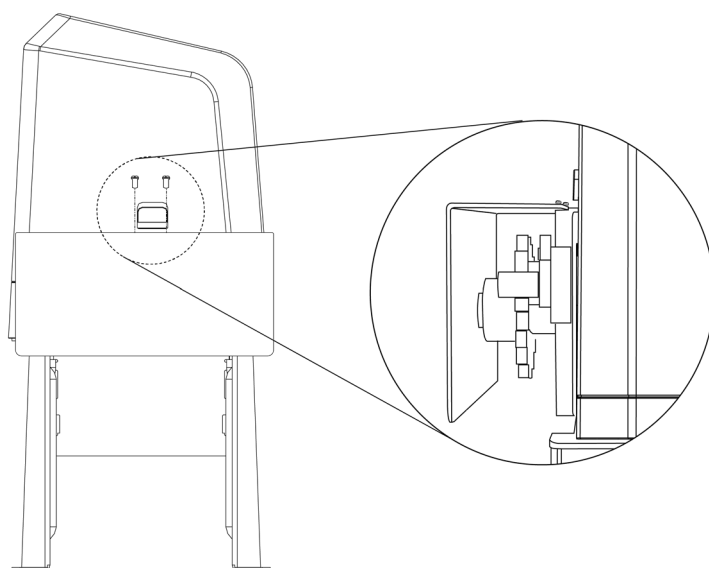
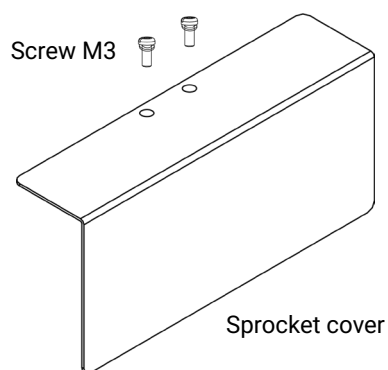
- Using U-Bolts to attach the plate for limit switch to the Gate Frame.
- Install the magnets on the Limit switch bracket.
- Using Screw M6 to attach the magnets to the plate for limit switch.
- The distance of the limit switch can be adjusted as needed.
- The limit switch should be less than 1.38 inch(20 mm) away from the gate opener.





V. Sprocket Cover Installation

Using screw M3 to attach the sprocket cover to the gate opener.



VI. Manual Release of The Gate Opener

In the case of power failure, for emergency release of the gate opener, please follow the procedure below :

- To Unlock The Device

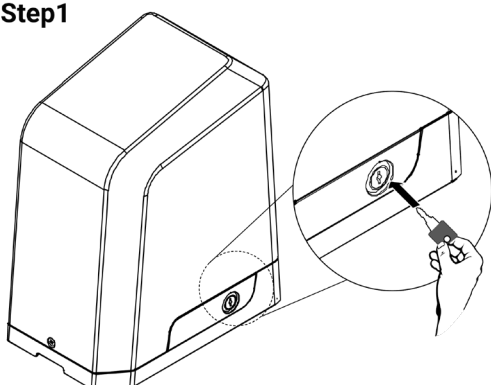
Step1 & Step2.

Insert the key and turn clockwise to unlock the device.

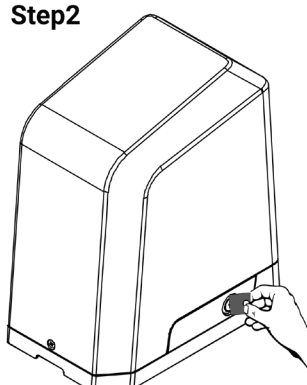
Step3.

Pull the release bar.

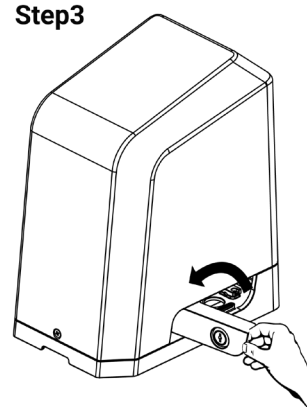
Step1



Step2

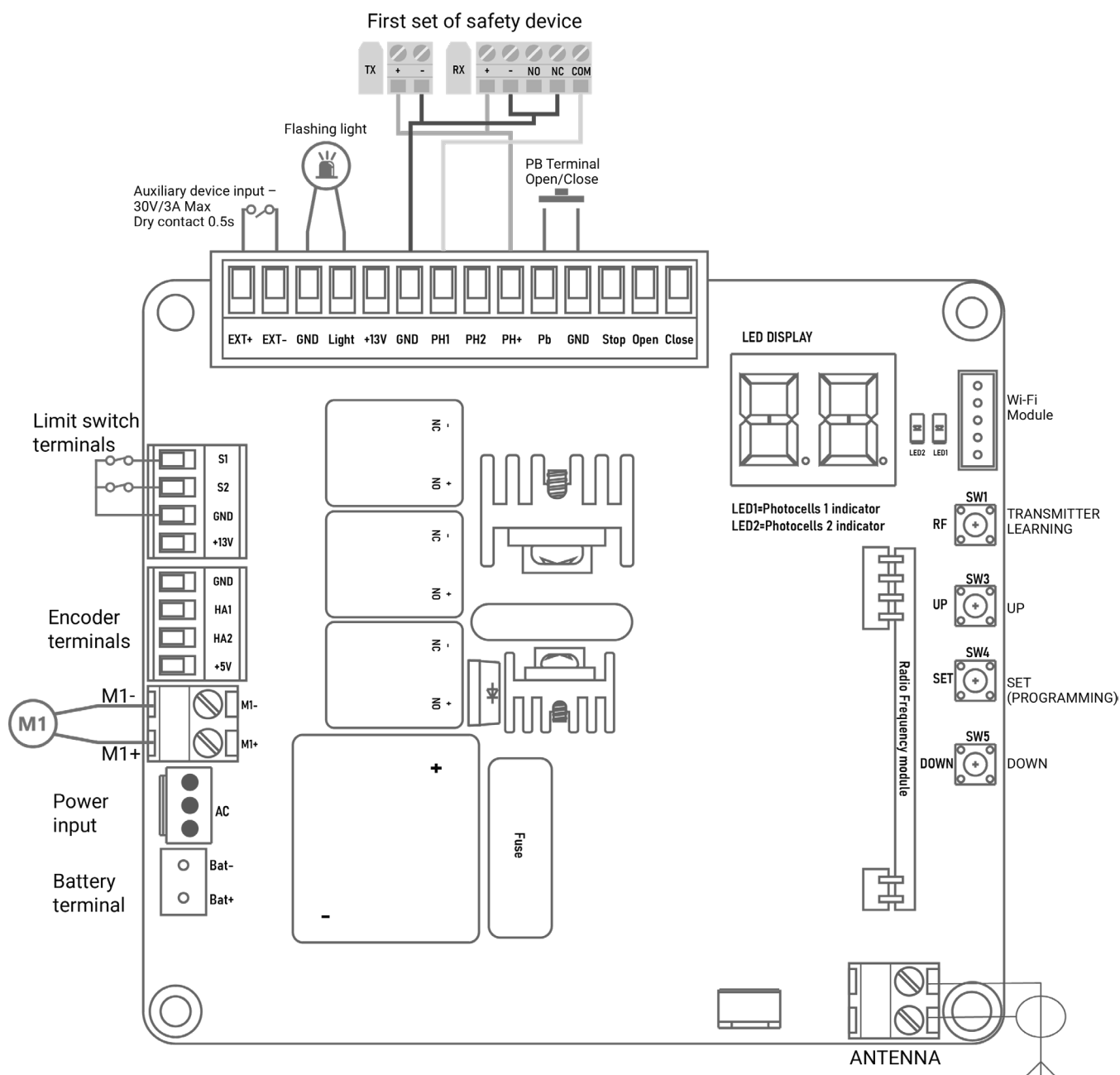


Step3

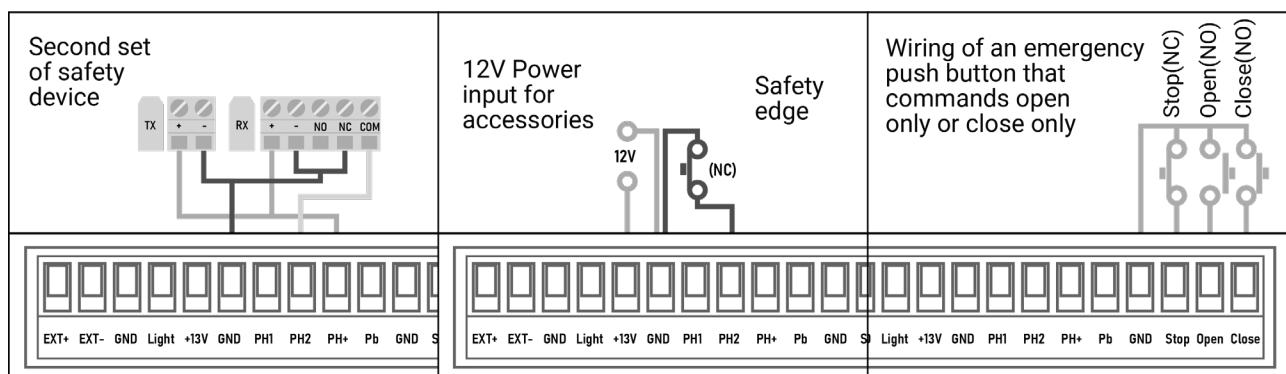


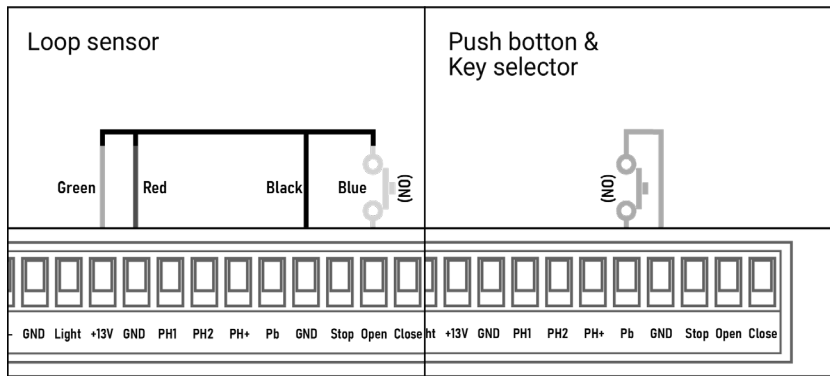
IV. Control Panel

I. Control Board



- Additional Wiring Options(Non mandatory):





II. Electrical Connection Specifications

Terminal	230V System
EXT+/-	Max 30V / Max 3A
Light	Max 36V(Only for 24v) / Max 0.5A
+13V	Max 14V / Max 1.2mA
PH1	Max 12V / Max 1.2mA
PH2	Max 12V / Max 1.2mA
PH+	Max 14V / Max 0.5mA
PB	Max 5V / Max 1mA
Stop	
Open	
Close	

III. Remote Learning



Mandatory: Before processing system learning, you must first memorize the remotes.

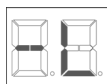
- **Reset (Delete) All the Remotes**
 1. Press and hold RF button for at least 10 seconds.
 2. The (CC) value confirms that all the transmitters have been deleted.
- **Remote Learning**
 1. Press and hold RF button (programming). After 3 seconds the LED display show (CS). Release RF button.
 2. Press and hold a button on the remote for at least 1 second then release. (CS) value blinks 3 times, completing memorization process. You have 5 seconds to memorize another remote.
- **New Remote Learning From a Pre-memorized Remote**
 1. Press and hold A and B button on a pre-memorized remote for at least 5 second.
 2. The buzzer beeps 1 time. Then press and hold a button on the new remote for at least 2 second. The buzzer beeps 3 times, completing new remote memorization process.

IV. Programming

- **Indication On The LED Display**



During the programming and operation, the LED display is ON and provides indications.



= System learning not completed



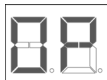
= Enter learning mode



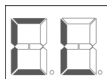
= In process of system learning



= Completed system learning



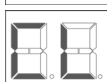
= Gate opener in opening phase



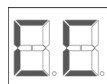
= Gate opener in closing phase



= Stop (display for 10second)



= Return to default setting



= Deleting all memory of all remotes



= Remote Learning



= Low battery



= Press the button in process of system learning



= Limit switch are activated in process of system learning

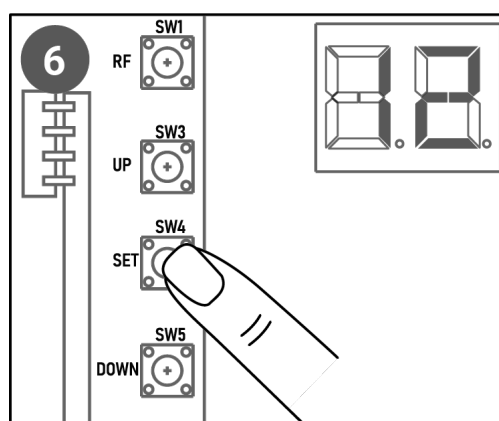
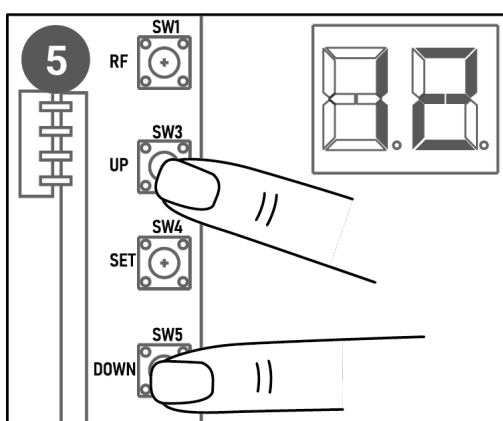
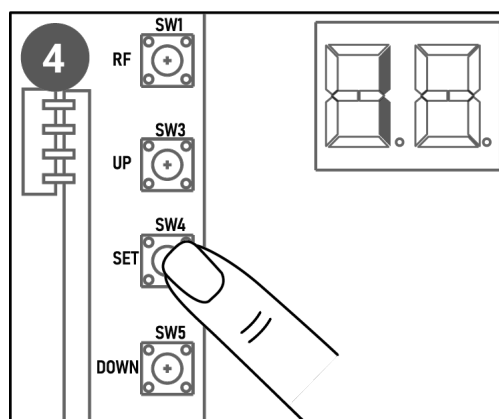
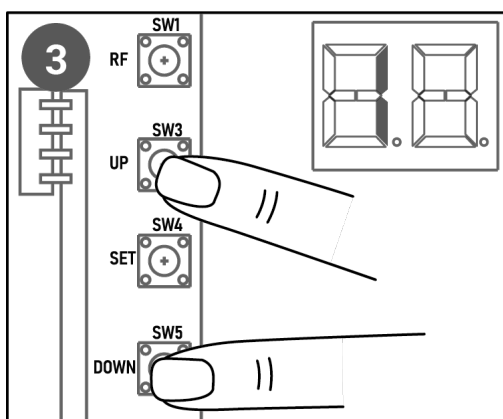
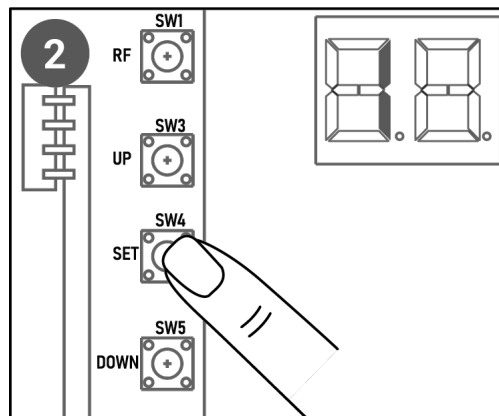
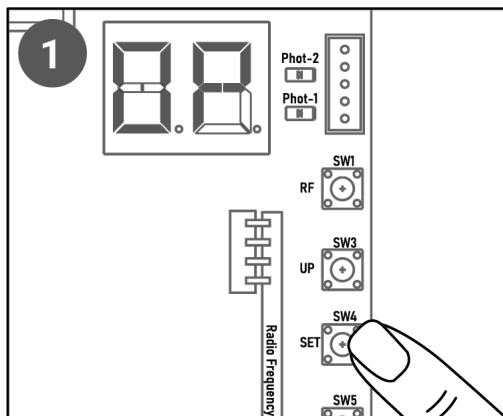


= Overcurrent in process of system learning



= Photocell are activated in process of system learning

1. Press and hold « SET » for 3 seconds.
2. The LED display « F1 » parameter setting.
3. Select main setting with « UP » & « DOWN » then confirm with « SET ».
4. Display of the sub-setting. (ex: parameter F1-subvalue=1)
5. Modify sub-setting value with « UP » & « DOWN ». (ex: F1-1, F1-2, F1-3)
6. Validate sub-setting value with « SET ».



! The LED display will switch off after 10 seconds if no button is pressed.

V. Parameter Table

Setting	Definition			Default Setting
1	Operation Direction	1-1	Open to the left	Default setting is 1-1
		1-2	Open to the right	
2	Auto Closing	2-0	No auto closing	Default setting is 2-0
		2-1	5 seconds	Temporary suspension of autoclosing by pushing D on the remote, it is possible to suspend the auto closing function.
		2-2	15 seconds	
		2-3	30 seconds	
		2-4	45 seconds	
		2-5	60 seconds	Activated = >
		2-6	80 seconds	Non activated = 4 beeps
		2-7	120 seconds	Non activated = >
2-8	180 seconds	Activated = 2 beeps		
3	Safety device logic	3-1	Mode 1	Default setting is 3-1
		3-2	Mode 2	
		3-3	Mode 3	
4	Motor speed for Opening	4-1	50% of full speed	Default setting is 4-4
		4-2	70% of full speed	
		4-3	85% of full speed	
		4-4	100% of full speed	
5	Motor speed for Closing	5-1	50% of full speed	Default setting is 5-4
		5-2	70% of full speed	
		5-3	85% of full speed	
		5-4	100% of full speed	
6	Motor deceleration point during opening and closing phase	6-1	75%	Default setting is 6-4
		6-2	80%	
		6-3	85%	
		6-4	90%	
		6-5	95%	
7	Motor deceleration speed	7-1	20%	Default setting is 7-3
		7-2	30%	
		7-3	40%	
		7-4	50%	
8	Overcurrent setting for Opening	8-1	4A	Default setting is 8-A
		8-2	5A	
		8-3	6A	
		8-4	7A	
		8-5	8A	
		8-6	9A	
		8-7	10A	
		8-8	11A	
		8-9	12A	
8-A	13A			
9	Overcurrent setting for Closing	9-1	4A	Default setting is 9-A
		9-2	5A	
		9-3	6A	
		9-4	7A	
		9-5	8A	
		9-6	9A	
		9-7	10A	
		9-8	11A	
		9-9	12A	
9-A	13A			

Setting	Definition		Default Setting
A	Pedestrian mode	A-0	Deactivated
		A-1	3 seconds
		A-2	6 seconds
		A-3	9 seconds
		A-4	12 seconds
		A-5	15 seconds
		A-6	18 seconds
C	Flashing Light	C-0	Flash when motor operate
		C-1	Flash when motor operate, stop after 1mins when motor stop
E	Overcurrent reaction	E-0	Deactivated
		E-1	Reverse for 1 second
		E-2	Reverse for 3 second
		E-3	Stop when door opening,reverse to the end when door closing.
F	A Button	F-1	Deactivated
		F-2	Open/Stop/Close/Stop
		F-3	Pedestrian Mode
		F-4	Open
		F-5	Close
		F-6	Stop
		F-7	EXT Terminal
H	B Button	H-1	Deactivated
		H-2	Open/Stop/Close/Stop
		H-3	Pedestrian Mode
		H-4	Open
		H-5	Close
		H-6	Stop
		H-7	EXT Terminal
I	C Button	I-1	Deactivated
		I-2	Open/Stop/Close/Stop
		I-3	Pedestrian Mode
		I-4	Open
		I-5	Close
		I-6	Stop
		I-7	EXT Terminal
J	D Button	J-1	Deactivated
		J-2	Open/Stop/Close/Stop
		J-3	Pedestrian Mode
		J-4	Open
		J-5	Close
		J-6	Stop
		J-7	EXT Terminal
L	Safety device 1	L-0	Deactivated
		L-1	Activated
P	Safety device 2	P-0	Deactivated
		P-1	Activated
U	Stop terminal function	U-0	Deactivated
		U-1	Activated
A.	Pb terminal function	A.-1	Open/Stop/Close/Stop
		A.-2	Open Only
		A.-3	Pedestrian Mode
		A.-4	Alarm

C.	Open terminal function	C.-1	Open/Stop/Close/Stop	Default setting is C.-2
		C.-2	Open Only	
		C.-3	Pedestrian Mode	
		C.-4	Alarm	
E.	Motor sensitivity (overcurrent sensitivity when detecting an obstacle)	E.-1	Stop after 0.1 second	Default setting is E.-5 (WARNING! FOR values exceeding 2 and 3 seconds , an additional safety device «safety edge» MUST be installed.)
		E.-2	Stop after 0.2 second	
		E.-3	Stop after 0.3 second	
		E.-4	Stop after 0.4 second	
		E.-5	Stop after 0.5 second	
		E.-6	Stop after 0.6 second	
		E.-7	Stop after 0.7 second	
		E.-8	Stop after 0.8 second	
		E.-9	Stop after 0.9 second	
		E.-A	Stop after 1 second	
		E.-C	Stop after 2 second	
		E.-E	Stop after 3 second	
F.	Starting overcurrent ignoring time	F.-1	Deactivated	Default setting is F.-3
		F.-2	1 second	
		F.-3	2 second	
		F.-4	3 second	

VI. Safety Device Logic

3-1 Mode 1

Safety device category	Photocell default on PH1	Safety edge default on PH2
Gate fully closed	No effect	No effect
Opening phase	No effect	No effect
Stop during cycle	Reload pause time => Automatic closing	Reload pause time => Automatic closing
Gate fully opened	Reload pause time => Automatic closing at slow speed	Reload pause time => Automatic closing
Closing phase	Stop => Open at slow speed	Stop => Open at slow speed

3-2 Mode 2

Safety device category	Photocell default on PH1	Safety edge default on PH2
Gate fully closed	No effect	Open not allowed
Opening phase	No effect	Stop => Reverse 2 seconds => Pause time => Automatic closing
Stop during cycle	Reload pause time => Automatic closing at slow speed	Open not allowed
Gate fully opened	Reload pause time => Automatic closing	Reload pause time => Automatic closing
Closing phase	Stop => Open at slow speed	Stop => Reverse 2 seconds => Pause time => Automatic closing

3-3 Mode 3

Safety device category	Photocell default on PH1	Open device default on PH2
Gate fully closed	No effect	Open
Opening phase	No effect	No effect
Stop during cycle	Reload pause time => Automatic closing	Stop => Open at slow speed
Gate fully opened	Reload pause time => Automatic closing	Reload pause time => Automatic closing
Closing phase	Stop => Open at slow speed	Stop => Open at slow speed

- Auto-Closing refer to F2 setting

VII. System Learning

! PRE-CHECK UP BEFORE LEARNING PROCEDURE

The gate opener, photocells and other safety devices are installed and wired.

The stoppers or limit switches are installed and adjusted.

The remotes are memorized.

Unlock the gate opener. Manually move the gate to 100% fully closed and lock the gate opener.

• System Learning Procedure

1. Press and hold « SET » & « DOWN » for 3 seconds.

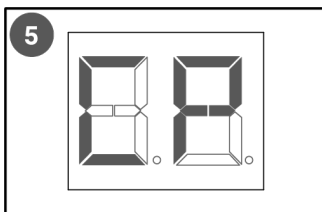
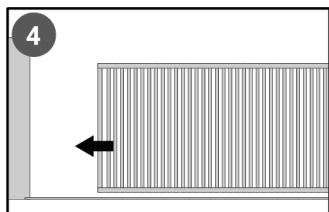
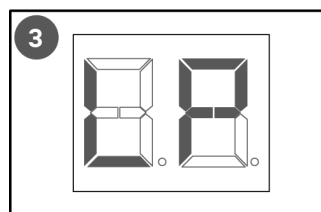
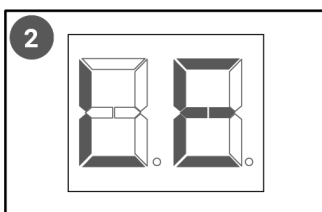
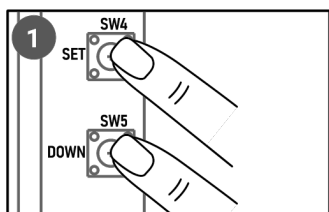
2. The LED display  value.

Release the button and press the remote control's "OPEN-STOP-CLOSE-STOP" button within 10 seconds, to launch the system learning procedure.

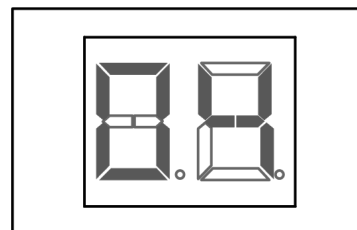
3. The LED display  value.

4. The gate opener performs closing / opening movements then stops .

5. The display of  confirms that the learning procedure has been completed successfully .



💡 During the learning phase, the LED display the gate opener power consumption (in Ampere). If this value fluctuates a lot during the gates movement, make sure to verify if there are any hard spots.

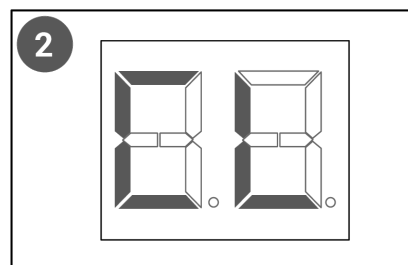
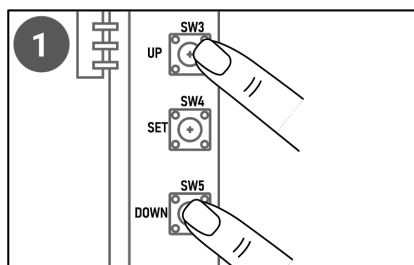


VIII. Reset To Default Settings

1. Press and hold « UP » & « DOWN » on the control board for 3 seconds.

2. The LED display  confirming that the system has successfully returned to default settings.

Release the buttons => The LED display  (System learning not completed)



V.Smartphone Control With CHOW! Mobile Application

WARNING :

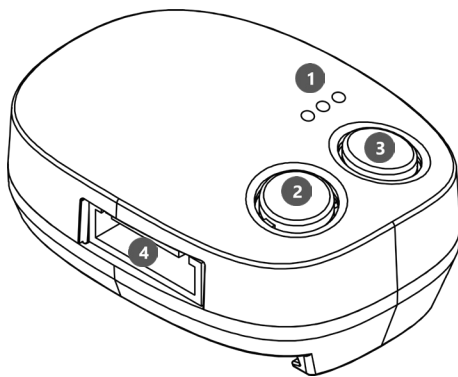
Please read this manual carefully before installation. TMT Automation is not responsible for improper installation and failure to comply with local electrical and building regulations. Please keep all the components of the Wifi box and this manual for further consultation.

- Please do NOT connect the Wifi box to Chow while the gate or garage gate is running.
- Please check if the gate automation works properly before using Chow.
- DO NOT make any modifications to any components except that it is mentioned in this manual.
- Children are NOT allow to use Chow without adults supervision.
- Chow can only be operated when you have a view of your gate or garage gate.
- Please check there is no obstacles during operation.

I. WiFi/Bluetooth Module Description

• Chow_Smart phone controlled gate opener

Chow is a system connecting gate opener to smart phones, allowing you to operate your gate automation by smart phones. Chow allows multiple users to operate the gate openers anywhere any time. Camera is recommended to be installed with Chow to have a view during your operation.



- 1 LED Display
- 2 R Button (press to restart)
- 3 P Button
- 4 Terminals

Before starting pairing

1. Press the (P) button for 5 seconds and release it.
2. Press the (R) button once to reboot the WiFi / Bluetooth module.

• LED Indications And Buttons

Return to the factory setting:

Press the (P) button for 5 seconds and press the (R) button.

The Blue LED starts to blink. The smart control box has returned to the factory setting.

BLUE LED : Blue LED is a indicator for the Bluetooth connection.

GREEN LED : Green LED is a indicator for the WiFi connection.

RED LED : Red LED blinks indicates wrong operations or system errors.

Please refer to FAQ when the Red LED is ON.

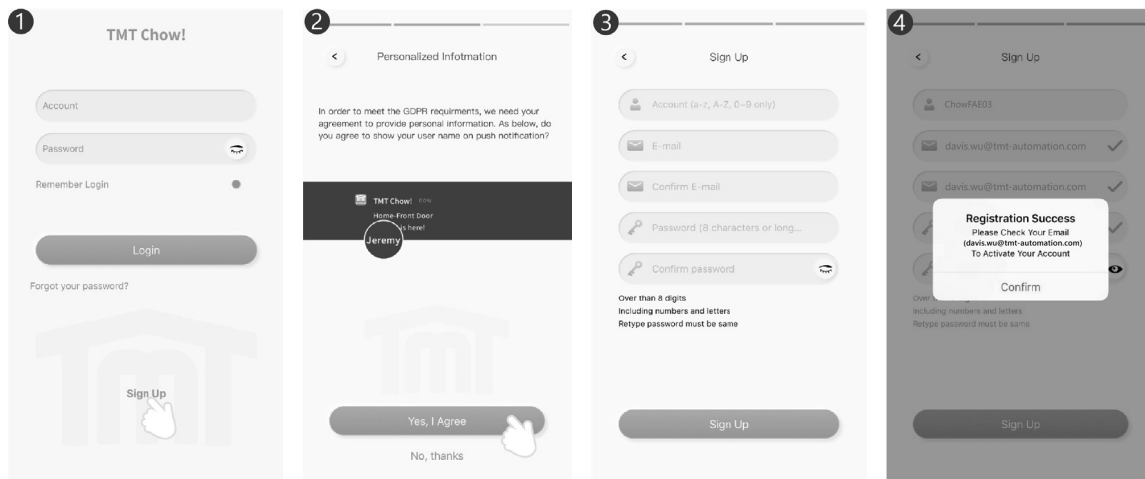
II. Apply For a New Chow! Account

1. Please scan the QR code and download the Chow! App
2. Press sign up icon and press the agree icon to continue
3. Please type the following information for registration:

- a. Email(enter twice for verification)
- b. Password(enter twice for verification)
- c. The password should have at least 1 English character and at least 8 characters in total

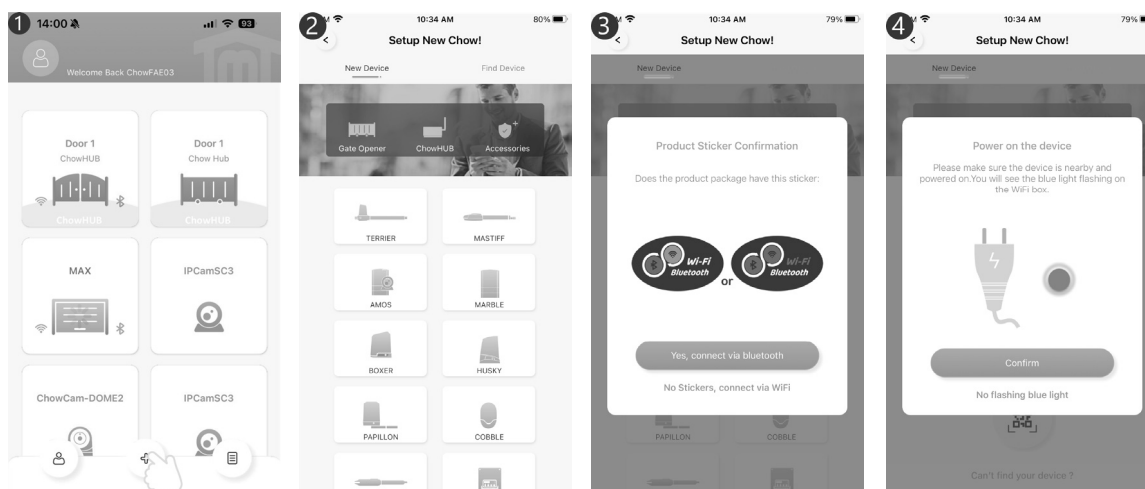


1. The system will send a link to your email when the registration succeeded.
2. Please go to your email, and click the link to activate your Chow! account.
3. Please log in your Chow! account.

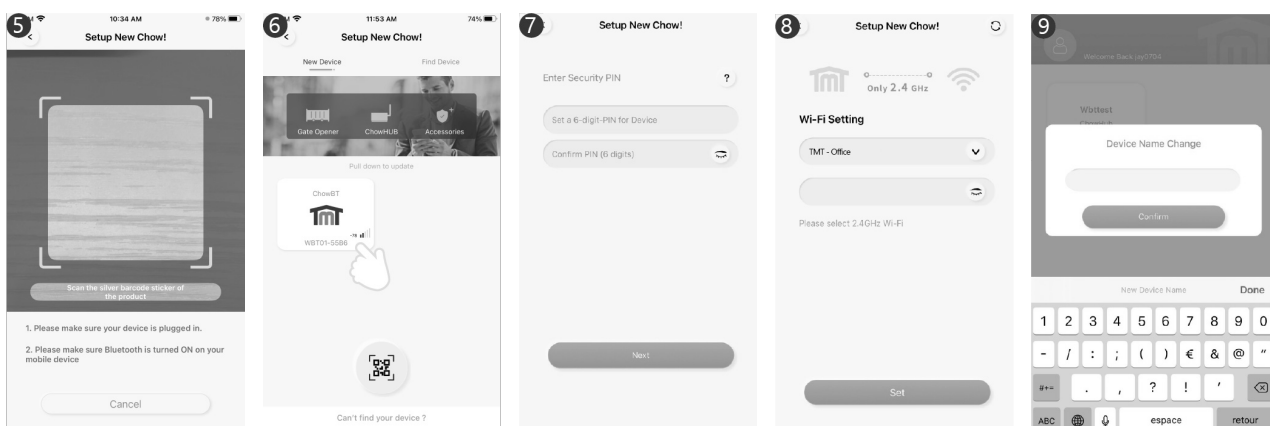


- **Connect the Wifi/Bluetooth Module to the Chow! App**

1. ****Please turn ON the Bluetooth function of your smartphone****
2. Tap the (+) icon to add new device.
3. Tap the type of your device to add a new device.
4. Please check if the product has the WBT sticker.



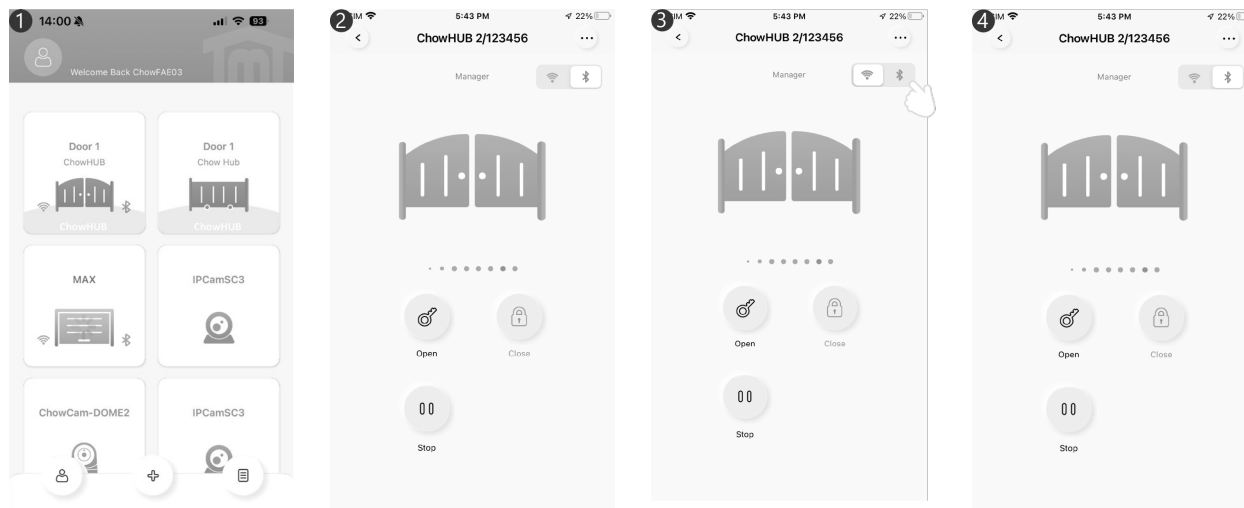
5. Please check if you power the device.
6. Please select your device or scan QRcode on device.
7. Set a security PIN code by enter the same code twice.
8. Entering the correct password of your Wi-Fi.
9. After connection countdown, you can name your device.



III. Operation

1. Tap the device on your main page.
2. Tap the Open/Stop/Close to control gate opener.
3. Tap the Bluetooth icon to switch to Bluetooth control mode.

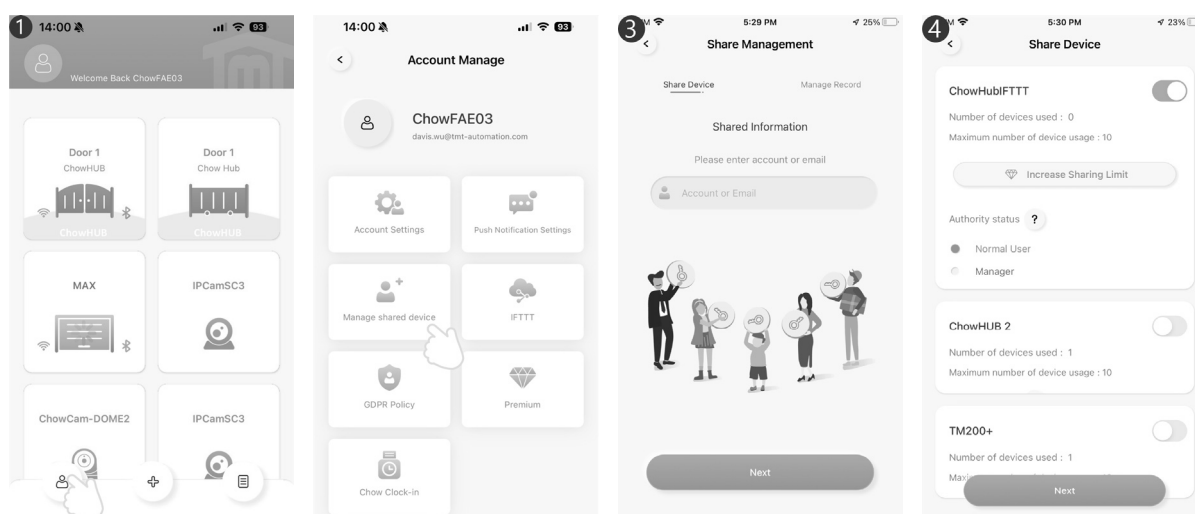
****Please turn ON the Bluetooth function of your smartphone****



Note: Only one user can access the Bluetooth control mode. Once the first user leaves this operation page, the second user can access this device.

IV. Owner Shares The Device to Other Users

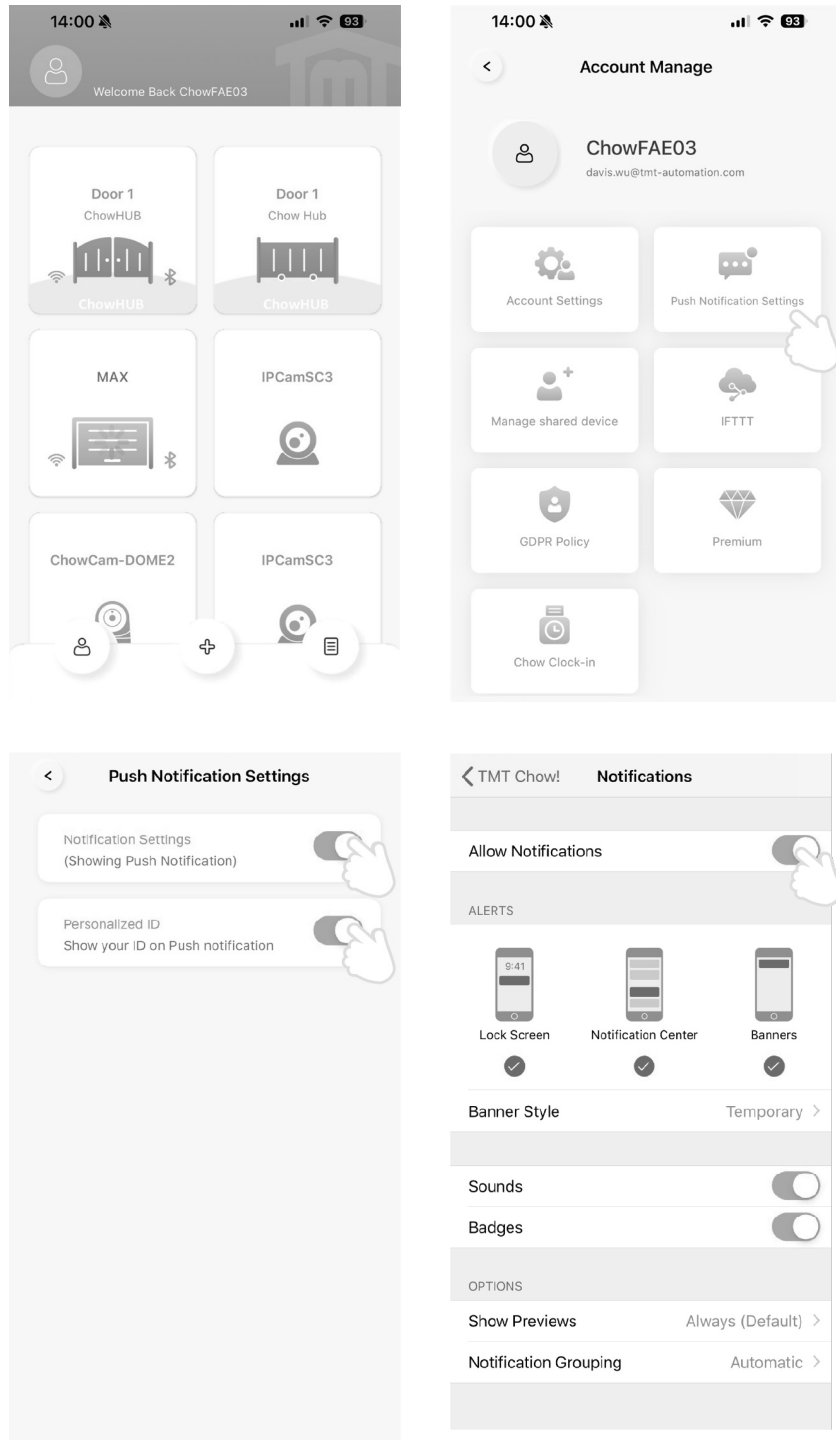
1. Press the icon on the corner to enter the account management page.
 2. Tap the manage shared device.
 3. Enter the account which you are going to share.
 4. Choose the device you are going to share and tap next.
- a. The Owner can decide the permission of device sharing. A manager can share and operate this device, but a normal user can only operate it.
 - b. One device can only be shared to 10 users.



V. Push Notification

Press the icon on the corner to enter the account management page.
Tap the push notification setting.
Turn ON the switches of the notification.

****Please go to the settings page of your smartphone, find TMT Chow! and allow the notification.****



1 Question

Answer

The Blue LED is NOT Blinking when pairing.

Please check the indicator light status first. If the blue light does not blinking after connecting to the power source, kindly contact customer support.

2 Question

Answer

Blue and Green LED blinks alternatively when Connecting to Chow by the first user.

Entering a wrong password to your Wifi network, please check again.

3 Question

Answer

RED LED blink when Connecting to Chow by the first user.

The Wifi box cannot get a IP from the router. Please disconnect other device, or reboot the router.

4 Question

Answer

RED LED blink when Enter the PIN code.

Entering the wrong PIN code. Please check with the first user, or device owner.

5 Question

Answer

Green LED is blinking.

Wifi signal is weak. Please reboot the router.

6 Question

Answer

Red LED ON.

Red LED ON indicates a system error. Please return to the factory setting as mentioned below.

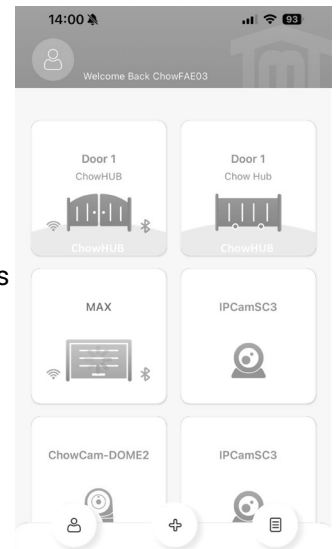
7 Question

Answer

Return to the factory setting.

Return to the factory setting is used when you lose your PIN code for sharing the device. After return to the factory setting, please follow the previous indications to reconnect the Chow.

1. Tap the device icon on the main page for 3 seconds and delete the device.
2. Open the Wifi box, press the (P) button for 5 seconds and release it.
3. Plug out the device and restart the device to reconnect.
4. Get a new PIN code. (refer to Connect the Wifi/ Bluetooth Module to the Chow! App)



8 Question

Answer

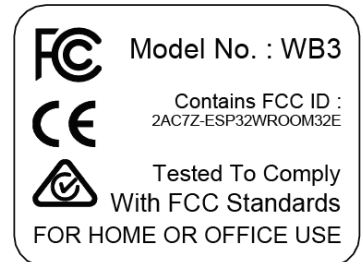
How should I change my PIN code.

1. Enter the operation page of the device in Chow.
2. Check the Device Information in the setting page.
3. Tap PIN Code Setting.

VII. FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.



Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

VIII. FCC RF exposure statement

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance between 20cm the radiator your body.

VII. Technical Specifications

Model	Boxer500 US	Boxer800 US
Category	Sliding gate opener	
Maximum Gate Length(ft)	19.6 ft	26.2 ft
Maximum Gate Weight(lbs)	1102 lbs	1763 lbs
Gate Opener Force(N)	5000	8000
Gate Opener Power Supply	24V DC	24V DC
Gate Opener Speed	11.57 inch/s	10.96 inch/s
Duty Cycle	70%	70%
IP Rating	IPX4	IPX4
Operating Temperature	-4°F ~122°F	-4°F ~122°F
Power(W)	100	144
Release	Key	Key
Dimension (inch)	9.84*6.69*10.43	9.84*6.69*10.43

VIII. Maintenance

- **Maintenance**

Conduct the following operations at least every 6 months. For intensive use scenarios, shorten this delay.

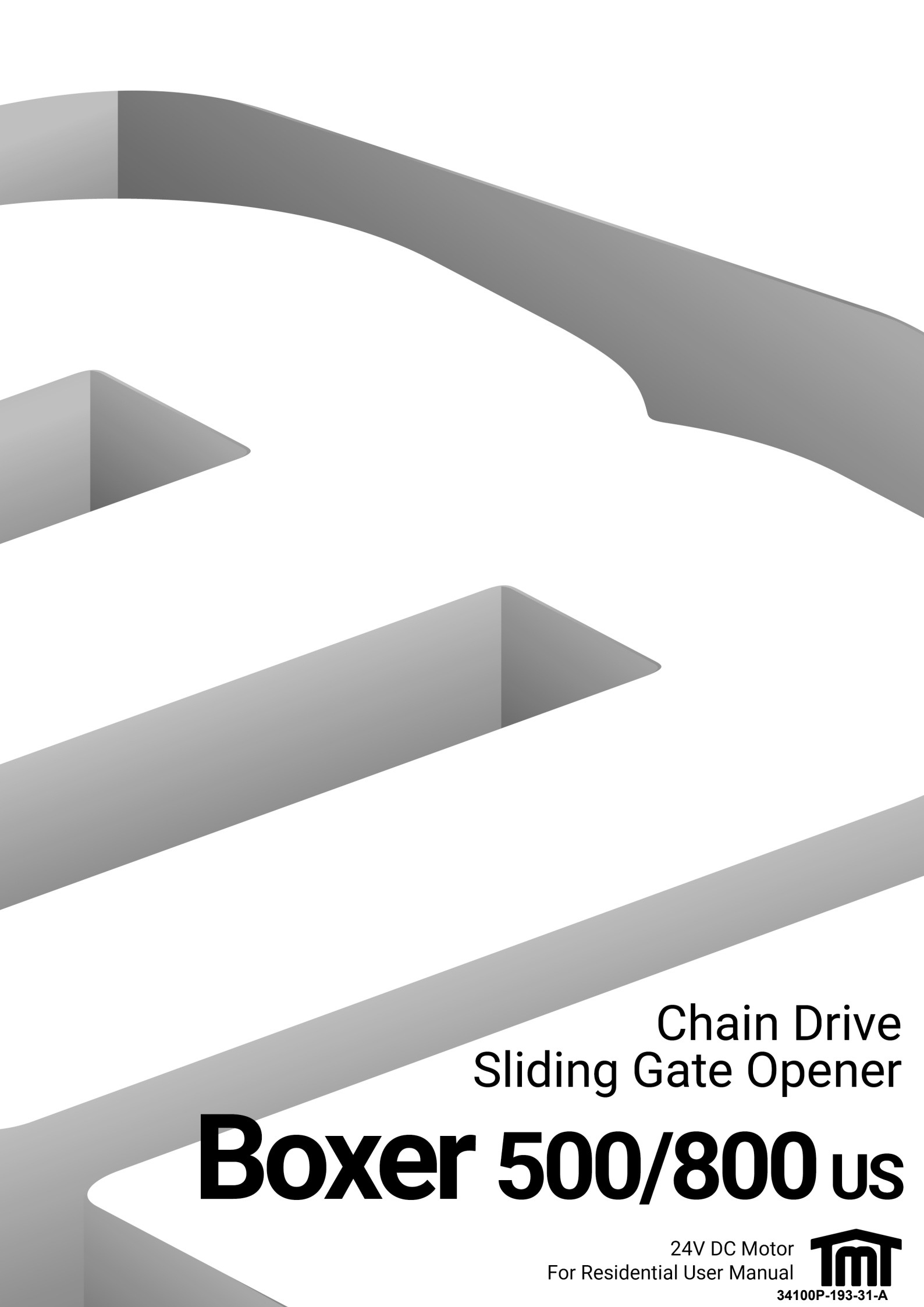
- **Disconnect the power supply**

1. Clean and lubricate the screws, hinges with grease.
2. Make sure the fastening are properly tightened.
3. Make sure the wire connection is in good functioning conditions.

- **Connect the power supply**

1. Double check the parameter settings.
2. Check the manual release.
3. Check the photocells and other safety devices.





Chain Drive
Sliding Gate Opener

Boxer 500/800 us

24V DC Motor
For Residential User Manual



34100P-193-31-A