

[Manuals.plus](#) /

› [LVCHEN](#) /

› LVCHEN Automatic Roll Up Door Opener Instruction Manual

## LVCHEN YHDO-IV

# LVCHEN Automatic Roll Up Door Opener Instruction Manual

Model: YHDO-IV

## 1. INTRODUCTION

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Thank you for choosing the LVCHEN Automatic Roll Up Door Opener. This manual provides detailed instructions for the safe installation, operation, and maintenance of your new door opener. Please read this manual thoroughly before installation and keep it for future reference. This powerful 800N motor roller door opener is designed for commercial garage, warehouse, store, and barn roll-up doors, supporting doors up to 16.4 feet in height, 74 square feet in area, and weighing up to 265 lbs.



Figure 1: LVCHEN Automatic Roll Up Door Opener and included remote controls.

## 2. IMPORTANT SAFETY INFORMATION

Always follow these safety precautions to reduce the risk of injury or damage.

- **Obstruction Detection:** The door opener features automatic reversal if it encounters obstacles during opening or closing. Ensure the area under the door is clear of objects and people at all times.
- **Power Disconnection:** Disconnect power before performing any maintenance or repairs.
- **Manual Mode:** In case of power failure, the opener can be converted to manual mode by pulling down the pull rope handle.
- **Remote Control Security:** Keep remote controls out of reach of children. Only operate the door when it is in clear view and free of obstructions.
- **Professional Installation:** If you are unsure about any installation steps, seek assistance from a qualified

professional.

- **Compatibility:** This opener is suitable for most rolling doors (garage, barn, warehouse, shopping mall steel rolling doors). **Note: Not for Flap Garage Doors or Wall Mounted Garage Doors.**



## SAFE AND RELIABLE

Stable Operation to Protect Your and Your Family's Safety

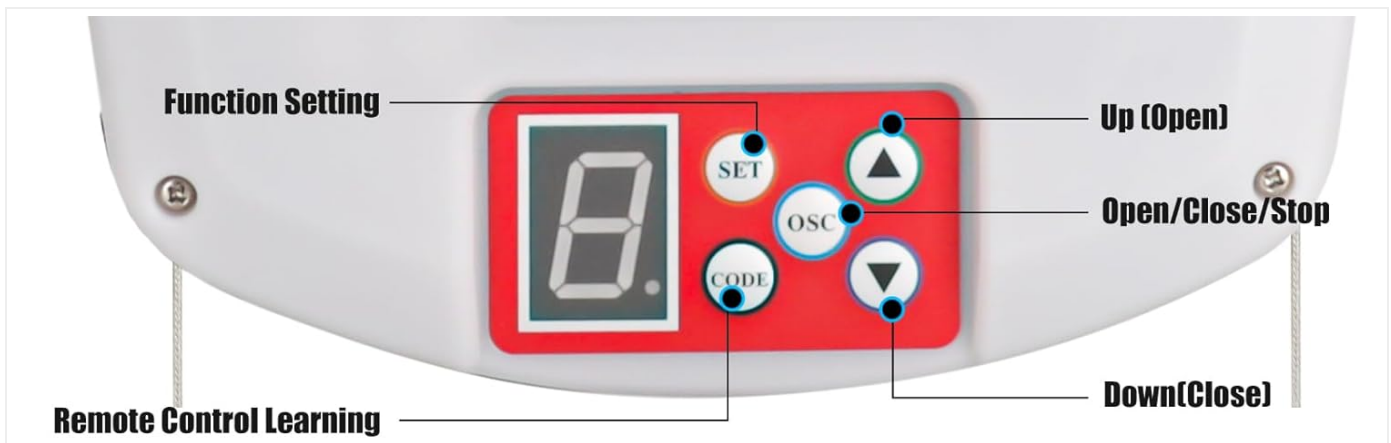
-  Stable Operation to Protect Your and Your Family's Safety
-  Auto Stop for Obstruction
-  Low Voltage Protection
-  Speed Fluctuation Protection

Figure 2: The door opener incorporates multiple safety features for reliable operation.

### 3. PRODUCT COMPONENTS

The LVCHEN Automatic Roll Up Door Opener package typically includes the following components:

- Automatic Roll Up Door Opener Unit
- 2 Remote Controls
- Mounting Hardware (screws, brackets, etc. - specific items may vary)
- User Manual (this document)



## 2 remotes for multiple users



Remotely Operate  
& Complete the Opening  
or Closing

Figure 3: Control panel and remote controls for the door opener.

### 4. TECHNICAL SPECIFICATIONS

Feature	Specification
Material	ABS, Copper
Indicator Light Type	LED
Voltage	AC 110V
Power	100W
Noise Level	55 dB
Motor Voltage	DC 24V
Tensile Force	800N

Feature	Specification
Encoding Type	Rolling Encoding
Number of Code Combinations	Over 4.29 Billion Random Codes
No Load Speed	50r/min
Maximum Door Opening Area	74ft <sup>2</sup>
Maximum Door Height	14.7ft
Remote Control Distance	164ft
Net Weight	11.57lbs
Power Cord Length	16.4ft
Product Dimensions (L x W x H)	11.81" x 4.72" x 15.74" (30cm x 12cm x 40cm)

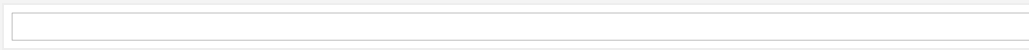




Figure 4: Comprehensive technical specifications of the door opener.


## HIGH PULLING FORCE




800N




Max. 74ft<sup>2</sup>



Max. 14.7ft



55 dB



Copper Motor




Figure 5: Key performance metrics of the door opener, including pulling force and noise level.

Material	ABS, Copper	Number of Code Combinations	Over 4.29 Billion Random Codes
Indicator Light Type	LED	No Load Speed	50r/min
Voltage	AC 110V	Maximum Door Opening Area	74ft <sup>2</sup>
Power	100W	Maximum Door Height	14.7ft
Noise	55 dB	Remote Control Distance	164ft
Motor Voltage	DC 24V	Net Weight	11.57lbs
Tensile Force	800N	Power Cord Length	16.4ft
Encoding Type	Rolling Encoding	Product Size	11.81*4.72*15.74inch

Figure 6: Product dimensions and automatic shutdown mode features.

## 5. INSTALLATION GUIDE

Proper installation is crucial for the safe and efficient operation of your door opener. Follow these steps carefully.

### 5.1 Side Clearance Requirements

Ensure adequate side clearance for the opener's installation.

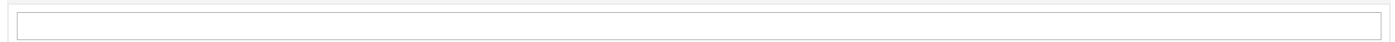


Figure 7: Minimum side distance required for installation.

**Minimum Side Distance (Picture 1):** The distance between the edge of the door curtain and the inside of the bracket should be 85mm. The distance between the edge of the door curtain and the outside of the bracket should be 135mm.



Figure 8: Recommended side distance for optimal installation.

**Recommended Side Distance (Picture 2):** The distance between the edge of the door curtain and the inside of the bracket should be more than 110mm. The distance between the edge of the door curtain and the outside of the bracket should be more than 160mm.

### 5.2 Installation Steps

Follow these steps to install the door opener. Refer to the diagrams for visual guidance.

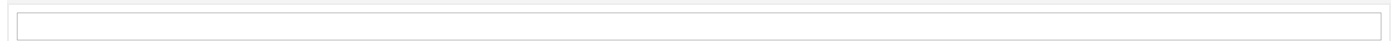


Figure 9: Installation sequence for the door opener.

#### 1. Preparation (Picture 5):

- Ensure the U-bolt is firmly fixed.
- Remove the U-bolt.
- Remove the right side support frame.
- Ensure the rope and support are in place as shown.

#### 2. Mounting the Driver (Picture 6):

- Carefully position and install the driver unit onto the door mechanism.
- If the gear of the driver cannot spin freely, pull the clutch handle to disengage it.

#### 3. Finalizing Installation (Picture 7):

- Refix the U-bolt securely.
- Reinstall the right side support frame.
- Shear the rope (cut it to the appropriate length).
- Remove any temporary supports used during installation.

## 6. OPERATION

Your LVCHEN Automatic Roll Up Door Opener offers convenient and flexible control methods.

### 6.1 Control Methods

The opener can be controlled via the integrated control panel or the remote controls.

The image is a composite graphic. At the top, a photograph of a two-story house with a brown roof and white trim is shown against a clear blue sky. Below the house, the text "3 CONTROL METHODS" is written in large, bold, teal letters with a white outline. Underneath this text are two icons: a person with a gear icon and a Wi-Fi signal icon. Below the icons are two lines of text: "Flexibly Respond to Various Situations & Preferences" and "164ft Remote Control". At the bottom of the graphic, there are three panels: the left panel shows a close-up of the integrated control panel with a digital display showing "8" and buttons for SET, OSC, CODE, and up/down arrows; the middle panel shows a silver remote control with a black face and several buttons; the right panel shows the white door opener unit with two cables (one green, one red) hanging from it.

Figure 10: Available control methods for the door opener.

- **Remote Control:** Use the provided remote controls for convenient operation from a distance of up to 164 feet.
- **Integrated Control Panel:** The unit features a control panel with buttons for Function Setting, Up (Open),

Open/Close/Stop, Down (Close), and Remote Control Learning.

- **Manual Mode:** In case of power outage or for manual operation, pull down the designated pull rope handle to disengage the motor and operate the door manually.

## 6.2 Remote Control Operation

The remote controls allow for easy operation of your garage door.

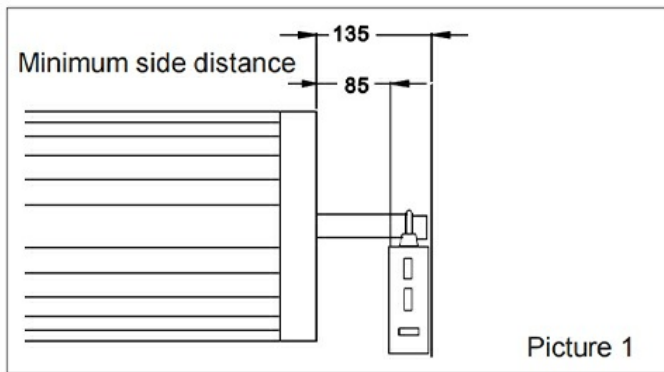


Figure 11: Remote control operation overview.

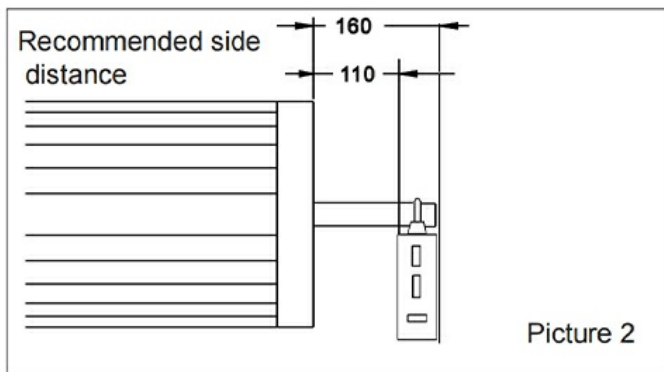
- **To Open/Close:** Gently press the designated button on the remote control.
- **To Stop:** If the door is moving (either opening or closing), pressing the button again will stop its movement.
- **Automatic Reversal:** If the door encounters an obstruction while closing, it will automatically reverse its direction to prevent damage or injury.

## 6.3 Automatic Shutdown Mode

The opener supports automatic shutdown features for enhanced safety and convenience.



Picture 1 :shows the minimum side room that is required: The distance between the edge of the door curtain and the inside of the bracket should be 85mm.; the distance between the edge of the door curtain and the outside of the bracket should be 135mm.



Picture 2: demonstrates the recommended side room: The distance between the edge of the door curtain and the inside of the bracket should be more than 110mm; the distance between the edge of the door curtain and the outside of the bracket should be more than 160mm.

Figure 12: Automatic shutdown mode settings.

You can program the auto shutdown feature or select an auto delay shutdown. Refer to the control panel instructions for specific programming steps. This feature is particularly useful for installations in narrow spaces above the garage.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your LVCHEN Automatic Roll Up Door Opener.

- **Monthly Inspection:** Check the door's balance and ensure it moves freely. Lubricate moving parts of the door (not the opener) as recommended by the door manufacturer.
- **Safety Reversal Test:** Periodically test the safety reversal system. Place a 2x4 piece of wood flat on the floor in the path of the door. The door should reverse when it contacts the wood. If it does not, adjust the force settings or consult a professional.
- **Cleanliness:** Keep the opener unit clean and free from dust and debris. Do not spray water directly onto the unit.
- **Power Cord:** Inspect the power cord for any signs of damage. Replace if necessary.
- **Remote Control Batteries:** Replace batteries in remote controls when their range decreases or they stop functioning.

## 8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Opener does not respond to remote control.	Dead batteries in remote, remote out of range, remote not programmed.	Replace remote batteries. Move closer to the opener. Reprogram the remote control (refer to "Remote Control Learning" on the control panel).

Problem	Possible Cause	Solution
Door does not open/close completely.	Travel limits need adjustment, obstruction in door path, door balance issue.	Adjust travel limits according to installation instructions. Clear any obstructions. Check door balance manually; if unbalanced, consult a door professional.
Door reverses unexpectedly.	Obstruction detected, force settings too sensitive.	Check for and remove any obstructions. Adjust force settings (if applicable, refer to specific programming instructions). Perform safety reversal test.
Opener makes unusual noise.	Loose hardware, worn parts, door mechanism issues.	Check all mounting hardware for tightness. Inspect door components for wear. If noise persists, consult a qualified technician.
Opener does not work during power outage.	No power supply, not in manual mode.	Ensure power is restored. Engage manual mode by pulling the release handle. The unit supports connection with batteries for normal use in case of power failure (battery not included).

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact LVCHEN customer service directly.

**Manufacturer:** LVCHEN

**Model Number:** YHDO-IV

**ASIN:** B0CT5CCHFZ

*(Contact information such as phone number or email is typically provided on the product packaging or manufacturer's website.)*