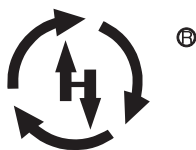


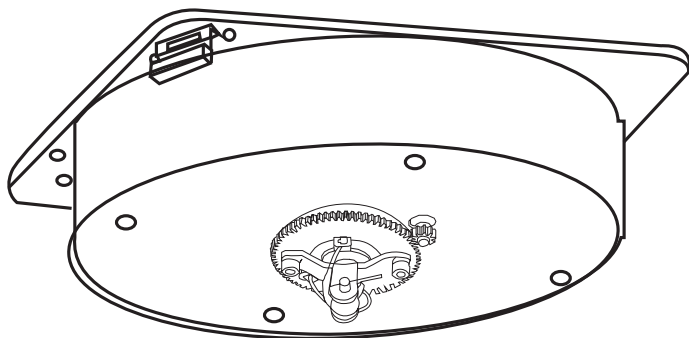
International Patent Application Number : PCT/CN2007/002025

National Patent Application Number : ZL200720083223.4



Huiye

Huiye Chandelier Rotator and Hoist System



Instruction Manual

Quanzhou Huiye Electromechanical Co., Ltd

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Dear Customer,

Thank you very much for choosing the "Huiye" Remote-Controlled Chandelier Rotation Lifting Mechanism and for your trust in us. We are committed to providing sincere service to help you create a stylish, convenient, and healthy living space. We welcome your valuable feedback regarding our work.

*Before using this product, please read the "Instruction Manual" carefully and keep it in a safe place for future reference.

*For optimal performance and to prevent unnecessary errors, please have a professional install this product according to the instructions.

*When using this product, ensure that it is reliably grounded.

Note: The right to interpret the manual belongs to Quanzhou Huiye Electromechanical Co., Ltd.

Safety Precautions

Warning

Installation Safety Precautions

- 1、 Ensure that the installation and wiring are carried out by professional technicians only; Do not attempt to install it yourself.
- 2、 The lifting mechanism's cable must be loaded with a weight of over 5 kilograms, or else it will not function.
- 3、 When the lifting mechanism's cable is operating for hoisting the chandelier, no person should be within the area covered by the chandelier to prevent accidents.
- 4、 When the lifting mechanism is suspending light fixtures or other decorative objects, ensure that the weight of the fixture or decoration is within the maximum load capacity of the lift.
- 5、 After installation, an inspection must be performed, which includes:
 - a. Checking whether the connection between the ceiling and the lifting mechanism has sufficient bearing strength.
 - b. Verifying that all power connection lines meet requirements and ensuring that the wire crimping is secure and reliable.
 - c. During testing, first press the lowering button on the remote control; after the cable descends for about 60 seconds, press any button to stop the operation. Then press the up button to raise the

Warning

Precautions During Use

- 1、 Do not use the lifting mechanism's cable without any suspended object (during both ascending and descending operations).
- 2、 Do not wipe the cable with water or corrosive cleaning agents, as the cable may corrode and break due to such exposure.
- 3、 Regularly inspect the cable for signs of corrosion or frayed wires when cleaning the chandelier. Severe corrosion or frayed wires due to other reasons can lead to the cable breaking and the chandelier falling.

Product Specifications and Technical Parameters

Product Specifications

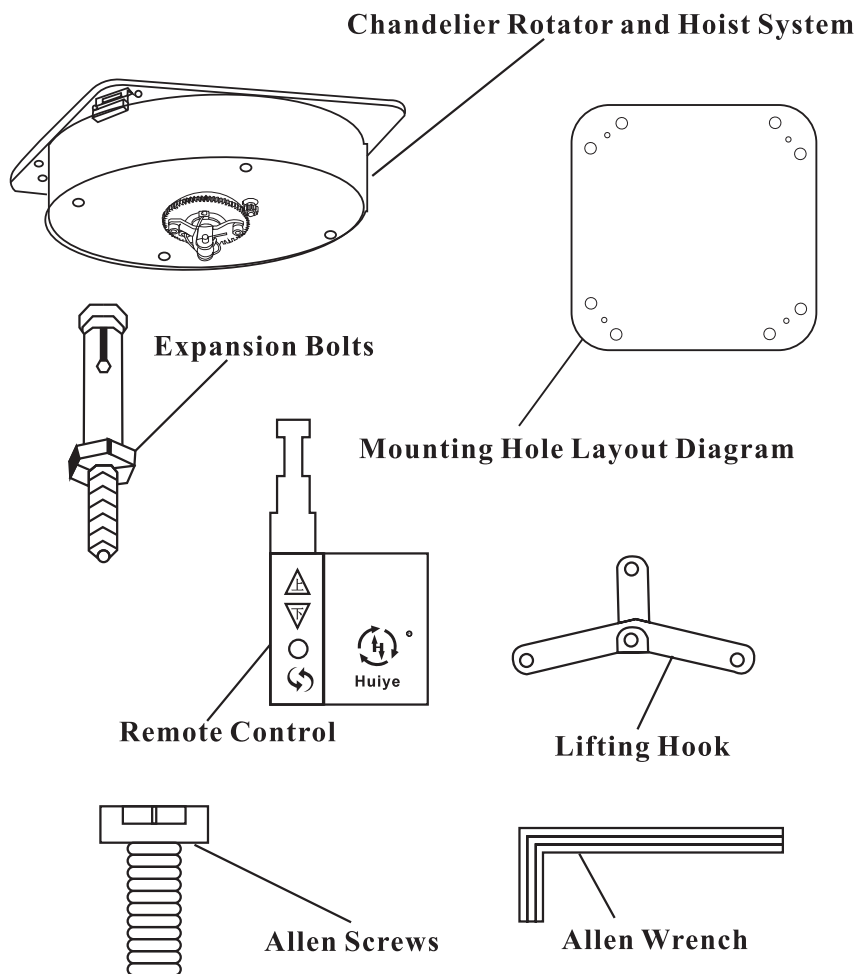
Model Number	Rated Load (kg)	Dimensions (Length x Width x Height) (mm)	Net Weight (kg)	Standard Lift Height (m)	Extended Lift Height (m)
XZ-050	50	374 × 374 × 95	12.5	6.5	13
XZ-100	100	374 × 374 × 95	13.0	6.5	9
XZ-150	150	374 × 374 × 100	18	6.5	10
XZ-250	250	450 × 450 × 135	30.0	6.5	10

Technical Parameters

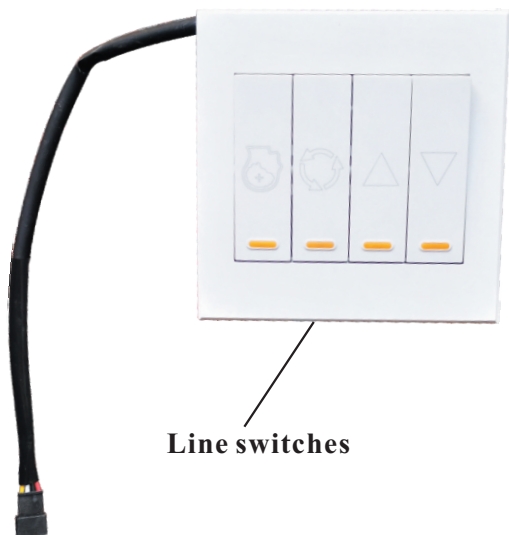
Model Number	Maximum Power of Lighting Fixtures (kw)	Wire Cross-Sectional Area (mm ²)	Power Source
XZ-050	6	2.5×2 lines	AC220V/110V ±10V
XZ-100			
XZ-150			
XZ-250			

Product Accessories

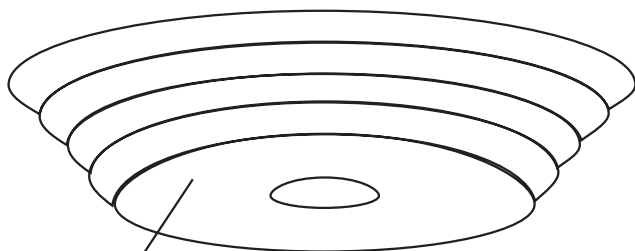
Schematic diagram of the kit



Optional Accessories



Line switches



Decorative cover

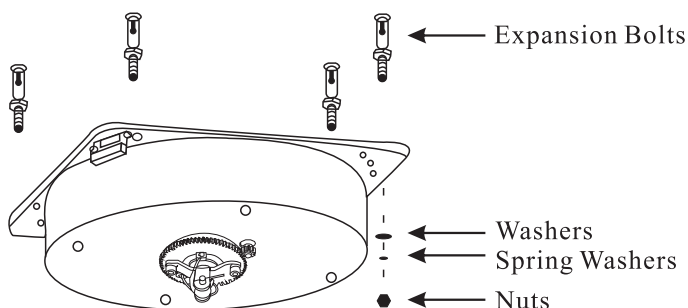
Installation Instructions

Product Installation Diagram

Two installation methods are provided for your selection. If you wish to use another method, please be sure to contact the dealer or manufacturer in advance. (Regardless of the installation method, professional technicians must perform the installation. **Do not attempt to install it yourself.**)

1. 1 Expansion Bolt Installation First : Affix the mounting hole layout diagram at the reserved location for the lifting mechanism in advance. For the XZ-50KG, XZ-100KG, and XZ-150KG models, select one mounting hole from each of the two corners, using a total of four holes. Use an impact drill to make holes at the selected positions, insert the expansion bolts into the drilled holes, then place washers onto the expansion bolts followed by nuts. Tighten the nuts with a wrench to secure the expansion bolts firmly to the floor's concrete slab. Afterward, remove the washers and nuts, align the lifting mechanism with the four holes, and proceed to install it. Subsequently, fit the washers and spring washers in place and tighten the nuts to complete the installation.

For the XZ-250KG model, the installation steps are the same; However, two expansion bolts should be installed in each corner, amounting to a total of eight expansion bolts to ensure safety.



Installation Instructions

1. 2 Full-Thread Long Screw Connection Method

In cases where installation onto a crossbeam is required and the area of the crossbeam is smaller than the back of the lifting mechanism, or if the installation surface is sloped, full-thread long screws will need to be embedded into the ceiling. The installation should allow the lifting mechanism to operate in a plane perpendicular to the downward direction. For specific installation procedures, please consult professional technicians or the manufacturer.

2、Installation Requirements

1. If a suspended ceiling design is used, be sure to leave enough space for the installation and removal of the rotating lifting mechanism for the chandelier.

Cement Board Drilling Specification Table I

Model Number	Expansion Bolt Specifications (mm)	Drilling Diameter (mm)	Drilling Depth (mm)	Number of Installation Bolts (branch)
XZ-050	M6 × 60	Φ8	Min 50	4
XZ-100	M6 × 60	Φ8	Min 50	4
XZ-150	M10 × 100	Φ12	Min 50	4
XZ-250	M10 × 100	Φ12	Min 50	8

Installation Instructions

2 . Expansion Bolt Connection Requirements

(1) When securing the rotating lifting mechanism for the chandelier to the floor's concrete slab with expansion bolts, drill holes according to the technical requirements in Table I. If rebar is encountered during drilling, select an alternate hole from the spare holes on the quadrilateral plate of the rotating lifting mechanism. Discarded holes must be tightly plugged with cement or composite glue to prevent compromising the strength of the surrounding concrete.

(2) When tightening the nuts of the expansion bolts, it should be done progressively and sequentially to ensure that each bolt is evenly stressed. Refer to Table II for the tightening torque of the nuts.

Nuts Tightening Torque Table II

Nut Type	Minimum Tightening Torque (N/n)
Hexagonal nut (screw)M6	3.24N/n
Hexagonal nut (screw)M6	5.5N/n
Hexagonal nut (screw)M8	15.5N/n
Hexagonal nut (screw)M10	26.4N/n

Installation Instructions

3 . Installation Inspection :

After the upper part of the chandelier lifting mechanism is installed and connected, it must pass a connection reliability test, with a test weight that is 1.5 times the rated load of the model. During the test, first lift the permitted weight for that model (if it exceeds the weight, the chandelier rotating lifting mechanism will not operate). When the weight is 200mm off the ground, stop the machine and leave it suspended, then add the other half of the weight and hang it for 5 minutes, keeping the total suspended weight in the air as a passing criterion for the test. When the suspended weight is placed on the ground, the quality of the installation process must be re-inspected until the test is confirmed to be passed.

Special Warnings

- (1) Personnel conducting the connection reliability test must wear safety helmets.
- (2) No persons are allowed within a 2m diameter range below the chandelier rotating lifting mechanism.
- (3) Before testing the rotating lifting mechanism for chandeliers, it is mandatory to hang a weight of at least 8kg before activating the switch to lower.
- (4) When reaching the ground and removing the weight while releasing the lifting hook, take precautions against the rotation of the steel wire rope causing injury. Therefore, before the connection reliability test (or when installing lighting fixtures), the steel wire rope must be straightened out before hanging weights for the trial run!

Installation Instructions

二、 Connection of the Lift to the Light Fixture

Hook Connection Method

Using two Allen screws (included in the accessories), attach the hook (included in the accessories) to the lower gear. **Ensure that the hook does not press against the black neutral wire, as this may result in the chandelier being unable to be powered.**

Decorative Cover Connection Method

After the lifting mechanism is installed, and before hanging the chandelier, prepare three decorative cover screws. Align the three mounting holes of the decorative cover with the three corresponding threaded holes on the surface of the lifting mechanism, and tighten the screws to complete the installation.

Installation Instructions

三 . Lift Wiring Tutorial

Wiring the Lifting Mechanism for Power: Connect the live and neutral wires from the input power supply (AC 110/220V) to the corresponding terminals in the lifting mechanism's junction box, thus powering the lifting mechanism. There are two methods for wiring the chandelier:

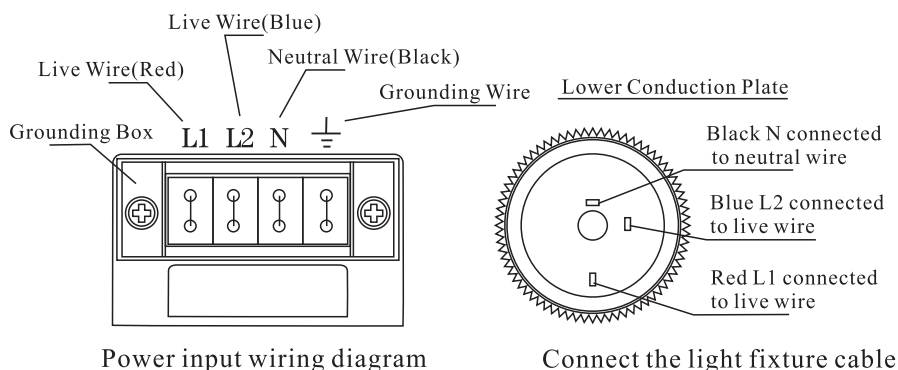
1、 The chandelier and the lifting mechanism share the same power source (recommended)

Under this wiring method, once the chandelier is powered, the lifting mechanism is also powered. **Wiring Method:** After completing the above steps to power the lifting mechanism, first connect the chandelier's power supply L1 and L2 in series with a wire. Then use another wire to connect the live and neutral wires from the lifting mechanism's junction box to either L1 or L2 (whichever is chosen) and the neutral wire of the chandelier's power supply. At this point, the gear conduction plate at the bottom of the lifting mechanism is powered.

Next, connect the chandelier's power wires to the conduction plate's wiring holes on the lifting mechanism, connecting the live wires to live wires (L1, L2) and the neutral wire to the neutral wire (N). If the chandelier has a lower power rating, only the L1 connection is needed; if the chandelier has a higher power rating with multiple live wires, they can be divided into two groups based on actual requirements and connected to L1 and L2 respectively.



Installation Instructions



2、Alternative Wiring Method:

Under this wiring configuration, the chandelier is powered independently of the lifting mechanism, which requires a separate activation.

Wiring Method: After completing the initial power connection for the lifting mechanism as described earlier, connect the live and neutral wires from the input power supply (AC 110/220V) directly to the chandelier's power supply. At this stage, the gear conduction plate at the bottom of the lifting mechanism is ready for power.

Next, connect the chandelier's power wires to the conduction plate's wiring holes on the lifting mechanism, joining the live wires to live wires (L1, L2) and the neutral wire to the neutral wire (N). If the chandelier has a lower power rating, only the L1 connection may be necessary; for higher-powered chandeliers with multiple live wires, they can be divided into two groups based on requirements and connected to L1 and L2 respectively.

Special Warnings

Maintenance Instructions

- When wiring, ensure that each exposed wire is connected to the corresponding terminal, avoiding contact with surrounding metal conductors to prevent electric leakage.
- After the light fixture is lowered and stopped, the chandelier rotating lifting mechanism will still be live. Maintenance work should only be carried out after turning off the wall switch of the chandelier.

Operation Instructions

Remote Control Usage Guide

Up Button:

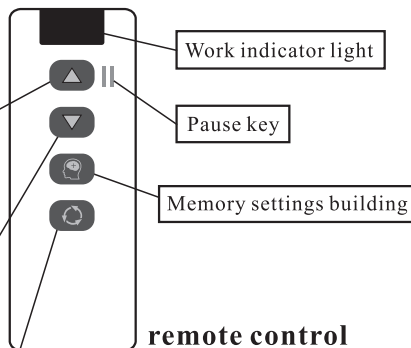
When in a stationary state, pressing and holding this button for 1 second will initiate the chandelier rotating lifting mechanism to move upwards.

During the descent, pressing and holding any \triangle or ∇ button for 1 second will halt the operation of the chandelier rotating lifting

Down Button:

When in a stationary state, pressing and holding this button for 1 second will start the chandelier rotating lifting mechanism to move downwards.

During the descent, pressing and holding any \triangle or ∇ button for 1 second will stop the operation of the chandelier rotating lifting mechanism.

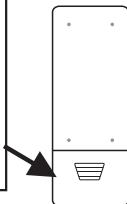


Rotate Button:

Pressing and holding this button for 1 second will activate the rotation function of the chandelier lifting mechanism. Pressing and holding the button again for 1 second will cease the rotation of the chandelier lifting mechanism.

Battery Replacement:

When the work indicator light on the remote control panel is dim or not lighting, or when the remote control operation is ineffective or not responsive, it is time to replace the battery of the remote control. The battery model is 23A12V.



Precautions:

1. When using the remote control, please point it directly at the chandelier rotating lifting mechanism.
2. The effective range of the remote control is 30 meters.
3. Do not allow any liquid to enter the remote control.
4. Keep the remote control away from direct sunlight or other strong light exposure, and do not place it near heat sources such as heating appliances.
5. Avoid dropping the remote control or throwing it carelessly.

Operation Instructions

二 . Remote Control Function Operations

Remote Control Signal and Operations

The remote control transmits high-frequency signals. The remote control handset has four buttons: Up (▲), Down (▼), Setting (⚙), and Rotate (↻).

- 1. Memory Function Setting for Remote Lower Limit** This function allows the chandelier rotating lifting mechanism to stop at a fixed position each time it descends, eliminating the need to manually press the pause button every time.

Operation Method:

- Power cycle the device.
- Press the Up button until the mechanism reaches the top (press the Up button even if it's already at the top).
- Press the Setting button. After hearing a single beep (indicating upper limit setting), press the Down button.
- When the mechanism reaches the desired position, press the Setting button again. After hearing three beeps, the height setting is successful (lower limit setting).
- Subsequently, when pressing Down from the top, the mechanism will automatically stop at the previously set ideal position without needing to press Pause.

To reset the height, simply repeat the above steps.

- 2. Remote Control Code Reading and Code Clearing Operations** If a new remote control is purchased, or if there is an issue with remote control signal mismatch, code clearing and reading operations may be necessary based on the actual situation.

Code Clearing Operation:

- Reconnect the power supply; a single beep will indicate successful power-up.
- Hold down both the Up and Down buttons; a single beep followed by five beeps indicates successful code clearing (release after success).

Code Reading Operation:

- (Ensure the power supply is connected) Hold down both the Up and Down buttons; two beeps indicate successful code reading (release after success).

Note:

When operating the chandelier lifting mechanism, if the descent does not begin from the upper limit position, the mechanism will not stop at the lower limit position. Therefore, we assume that the upper limit setting is performed at the top by default.

Operation Instructions

Special Prompt

While the chandelier rotating lifting mechanism is in the process of ascending, manually disconnecting the input power may cause electrical failures. Similarly, reducing the load until the machine stops can also lead to electrical failures.



解锁开关备用：

当机台被保护时，请挂上重量，长按此键，同时按 **上升** 键，可恢复正常。

Safety Unlock Switch Stand-by Application When the machine is protected, please hang up the weights, long press this button and “UP” switch at the same time to make sure work normally.

三 . contact information

Address: Industrial Zone, Xiaguan Road Village, Cizao Town, Jinjiang City, Fujian Province

Contact phone number: +8613808557280

E-mail: huiye198@163.com

Company website: www.qzhuiye.com

Service Commitment

In accordance with the relevant provisions of the "Consumer Rights Protection Law," our company solemnly promises to provide you with the following services upon presenting the warranty card and receipt:

From the date of purchase, the entire machine will be under free warranty for two years.

The following situations are not covered by the free service:

- a. Damage caused by improper transportation, installation, usage, or management by the user;
- b. Damage resulting from disassembly by the user themselves or by non-designated repair points appointed by our company;
- c. Altered receipts or the absence of a purchase receipt and warranty card;
- d. Damage caused by abnormal voltage or accidents such as fire or water damage;
- e. Damage due to not following the usage requirements specified in the instruction manual;
- F. Damage caused by force majeure.

For issues not covered by the free service, our company is still committed to providing you with long-term services. The warranty period starts from the date the invoice is issued. Please keep your warranty card and purchase receipt safe.



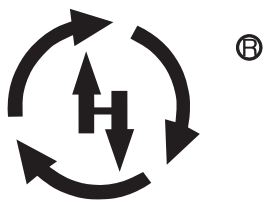
Huiye

warranty card

User		Telephone	
Address			
Model		purchasing date	
Product number		Invoice number	
Seller		Telephone	
Notes			

Seller's seal:

year month day



Huiye

Quanzhou Huiye Electromechanical Co., Ltd
Address: Industrial Zone, Xiaguan Road Village,
Cizao Town, Jinjiang City, Fujian Province
Contact phone number: +8613808557280
E-mail : huiye198@163.com
Company website: www.qzhuiye.com