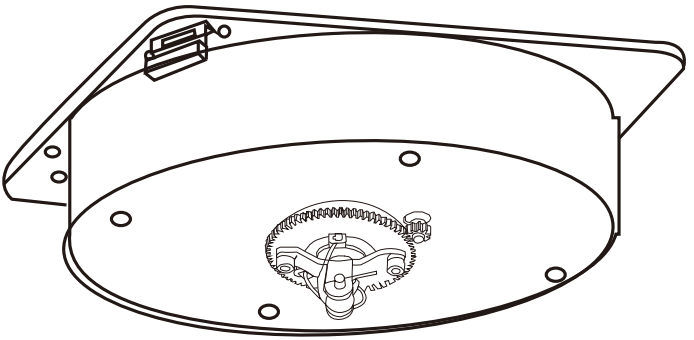
International Patent Application Number : PCT/CN2007/002025
National Patent Application Number : ZL200720083223.4

Huiye

Huiye Rotating Chandelier Lift System



Instruction Manual

Quanzhou Huiye Electromechanical Co., Ltd

Video Guide: 1.Mounting 2.Mounting (wooden) Wiring

Table of Contents

Preface.....2

Precautions 3

Product Specifications and Technical Parameters.....4

Accessories.....5

Installation Instructions.....7

一. Product Installation Diagram.....7

二. Lift Wiring Tutorial 14

三. Connection of the Lift to the Light Fixture 16

Operation Instructions 18

一. Remote Control Usage Guide.....18

二. Function Operations for the Remote Control.....19

Contact Information 20

Service Commitment.....21

Warranty Card.....22

Dear Customer,
Thank you very much for choosing the Huiye Remote-Controlled Rotating Chandelier Lift System 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. The lifting mechanism's cable must be loaded with a weight of over 5 kilograms, or else it will not function.
2. Ensure that the installation and wiring are carried out by professional technicians only; Do not attempt to install it yourself.
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

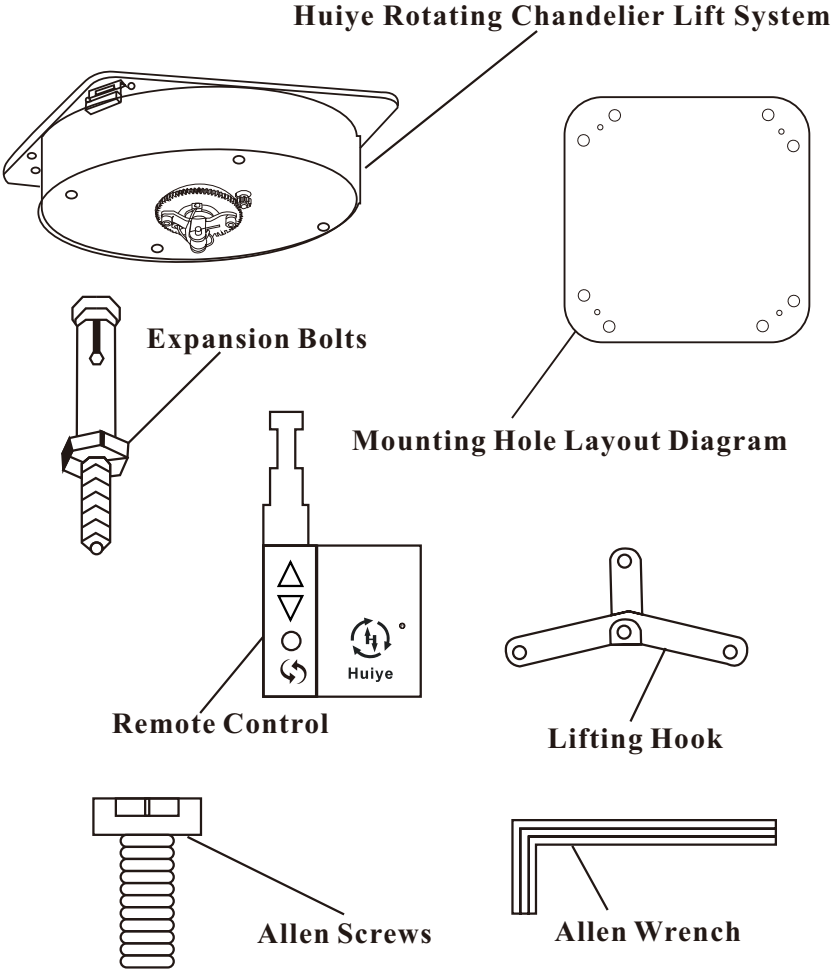
Model Number	Rated Load (kg)	Dimensions (Length x Width x Height) (mm)	Net Weight (kg)	Standard Lift Height (m)	Extended Lift Height (m)
XZ-050	50	374×374×95	12.5	6.5	13
XZ-100	100	374×374×95	13.0	6.5	9
XZ-150	150	374×374×100	18	6.5	10
XZ-250	250	450×450×135	30.0	6.5	10

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			

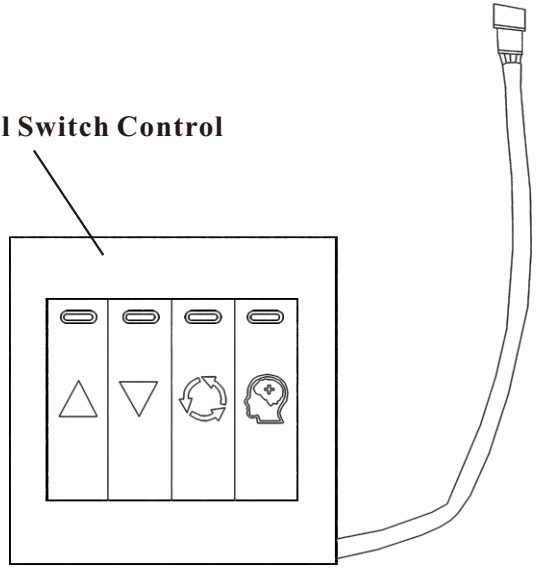
Product Accessories

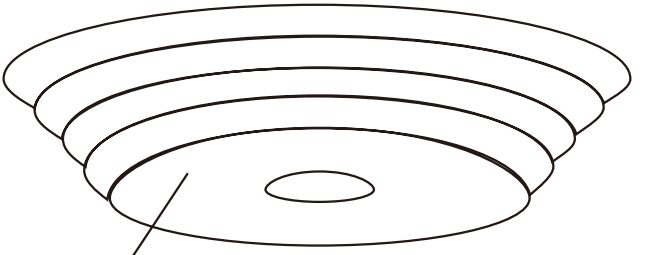
Schematic diagram of the kit



Optional Accessories

Wall Switch Control





Decorative Cover

Installation Instructions

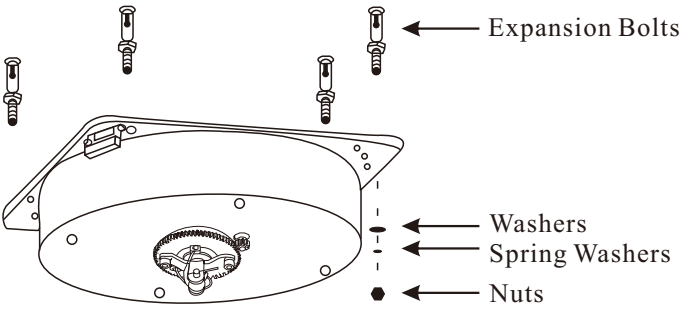
一. Product Installation Diagram

1. For concrete ceiling:

1. 1 Expansion Bolts 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. For North American wooden houses:

2. 1 For 16" OC ceiling joist:

We have specially designed steel bars for wooden houses in North America, allowing installation either above or below the ceiling joists. If your house has an attic, we recommend installing it inside the attic and cutting an opening in the drywall. This eliminates the need for a decorative cover and keeps the lift mechanism hidden from view. Additionally, two wooden blocks can be used as supports for the steel bars, attached above the ceiling joists, as shown in **Figure 2. 1**.

Installation Instructions

2. 2 For 24" OC ceiling joist:

For ceiling joists spaced 24″ OC, the installation method is similar to that for 16″ OC. We recommend constructing a carrier inside the attic for secure mounting. The lift can then be connected to the steel bars and positioned on the carrier for adjustment and final fixing, as illustrated in **Figure 2. 2**. The example shown in the diagram uses two rafters with a crosspiece measuring 15 3/4 inches wide.

2. 3 For wooden Sloped Ceiling:

You will need to hire a contractor or handyman to build a flat surface using wooden boards, so that the lift can operate parallel to the ground, as shown in the image **Figure 2. 3**.

Note: If there is a significant gap between your lift and the ceiling (drywall) below, preventing the chandelier from reaching the ceiling, you can use a steel chain to connect to the gear underneath the lift. The length of the chain should be adjusted based on the actual situation, as shown in the picture Figure **2. 4**.



Figure 2. 1



Figure 2. 2



Figure 2. 3



Figure 2. 4

Installation Instructions

If there is no attic space, you can choose to install it below the ceiling joist, in this case, you need a white or golden decorative cover to cover the lift. As shown in the **Figure 2. 5** and **Figure 2. 6**.



Figure 2. 5



Figure 2. 6

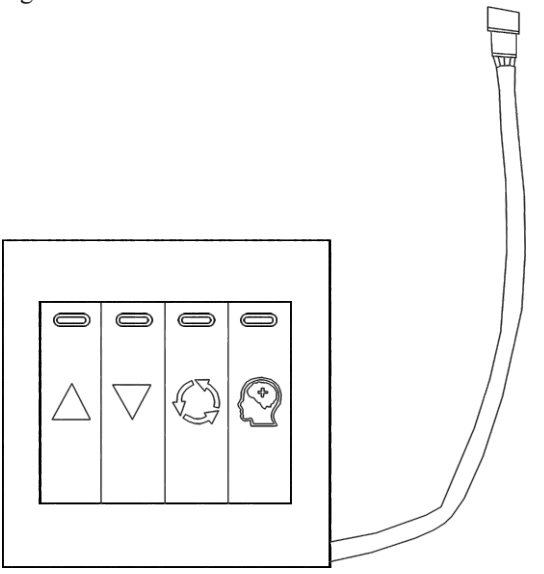
Installation Instructions

3. Installation Method for Wired Controller:

The wired controller is an optional accessory. After purchase, you must locally source a UL2464 4-core signal cable (AWG24) for connection. Never use a power cable, as this will damage the lift motor. (We are not responsible for lift motor failures caused by power cable connections.)
Since the controller is not pre-paired with the lift motor before shipping, you must perform a code-sync operationafter connection.

The process is similar to remote control pairing:

- Restart the power supply.
- Press and hold both the UP and DOWN buttons simultaneously.
- Release the buttons upon hearing two beeps, indicating successful pairing.



Installation Instructions

4. Installation Requirements:

4. 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

4. 2 Expansion Bolt Connection Requirements:

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.

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.

Installation Instructions

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

5. 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.

Installation Instructions

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. 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.

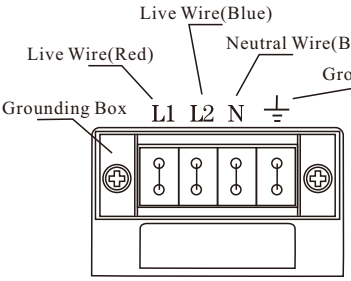
Next, connect the chandelier's power wires to the conduction plate's wiring holes on the lifting mechanism, connecting the live wires to live wires (L1, L2) and the neutral wire to the neutral wire (N). If the chandelier has a lower power rating, only the L1 connection is needed; if the chandelier has 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.



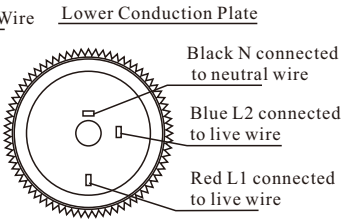


wiring Tutorial video
(Scan it by Google)

Installation Instructions



Power input wiring diagram



Connect the light fixture cable

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 chandliers with multiple live wires, they can be divided into two groups based on requirements and connected to L1 and L2 respectively.

Installation Instructions

三. Connection of the Lift to the Light Fixture

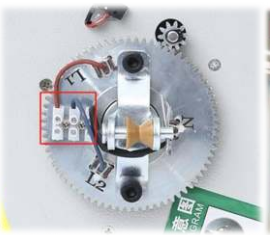
1. Hook Connection Method:

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**.

2. Connecting the Chandelier Power Wires to the Lift:

The white terminal block on the gear mechanism beneath the chandelier lift serves as the power connection point for the chandelier. If you opt for the first wiring method (i. e., powering both the chandelier and the lift from the same circuit), connect the live wire to either L1 or L2 and the neutral wire to N.

If there is a significant gap between your lift and the ceiling (drywall) below, preventing the chandelier from reaching the ceiling, you can use a steel chain to connect to the gear underneath the lift. The length of the chain should be adjusted based on the actual situation, as shown in the picture.





3. Decorative Cover Connection Method:

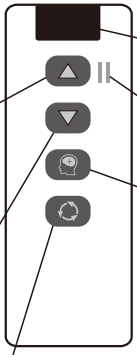
After the lifting mechanism is installed, and before hanging the chandelier, prepare three decorative cover screws. Align the three mounting holes of the decorative cover with the three corresponding threaded holes on the surface of the lifting mechanism, and tighten the screws to complete the installation.

Operation Instructions

一. 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 △ 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 △ or ▽ button for 1 second will stop the operation of the chandelier rotating lifting mechanism.



Work indicator light

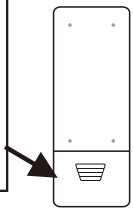
Pause key

Memory settings building

remote control

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

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:
1.1 Turn off and on the lift, and you will hear a beep sound .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.
1.2 When the mechanism reaches the desired position, press the Setting button again.
1.3 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

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.
2. 1 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).
2. 2 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).

Operation Instructions

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.

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.

contact information

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E-mail: info@huiyelift. com

Company website: huiyelightlift. 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 is sues 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

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