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Huepar FC011CR

Huepar FC011CR Red Cross Line Laser Level

Model: FC011CR | Brand: Huepar

1. INTRODUCTION

Thank you for choosing the Huepar FC011CR Red Cross Line Laser Level. This device is designed for precise leveling and alignment tasks, projecting bright horizontal and vertical red laser lines. It features a self-leveling function for quick setup and a manual mode for angled applications. The integrated rechargeable Li-ion battery ensures extended operation, and its compact, durable design makes it suitable for various indoor and light outdoor projects.



Image 1.1: The Huepar FC011CR Red Cross Line Laser Level.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating this laser level. Failure to follow these instructions may result in laser radiation exposure, electric shock, or injury.

- **Laser Radiation:** This product is a Class 2 laser product. Do not stare directly into the laser beam. Avoid direct eye exposure.
- **Children:** Keep the device out of reach of children.
- **Repairs:** Do not attempt to disassemble or repair the laser level yourself. Contact authorized service personnel for repairs.
- **Environment:** Use the device in a well-lit area. Avoid using it in explosive atmospheres or in the presence of flammable liquids or gases.
- **Battery Safety:** Use only the specified charging cable and power source. Do not expose the battery to extreme temperatures or fire.

3. PRODUCT OVERVIEW

3.1 Components



Image 3.1: Key components of the Huepar FC011CR Laser Level.

1. **Power Button:** Turns the device on/off and switches laser modes.
2. **Power Pendulum Lock:** Locks the pendulum for manual mode or transport.
3. **Laser Window:** Emits the laser beams.
4. **1/4"-20 Mount Thread:** For attaching to a tripod or mounting bracket.
5. **Type-C Charging Port:** For recharging the internal Li-ion battery.

3.2 Key Features

- **Red Cross Line Laser:** Projects one horizontal and one vertical red laser line at 110° for precise leveling and alignment.
- **High Accuracy:** Provides a precision of $\pm 3\text{mm}$ at 10 meters ($\pm 1/8$ inch at 33 feet).
- **Self-Leveling Range:** Automatically levels within $\pm 4^\circ$ in approximately 3 seconds.
- **IP54 Protection:** Dustproof and waterproof, ensuring durability in various working conditions.
- **Compact and Portable:** Lightweight design for easy handling and transport.

Lightweight & Portable Pocket Size



Image 3.2: The laser level is lightweight and portable.



Image 3.3: The device features IP54 dustproof and waterproof protection.

4. SETUP

4.1 Battery Charging

The Huepar FC011CR is powered by a built-in 3.7V 1400mAh Li-ion battery. Before first use, ensure the battery is fully charged.

- Connect the provided Type-C charging cable to the charging port on the device.
- Plug the other end of the cable into a compatible USB power source (e.g., laptop, power bank, car charger).
- The battery indicators will show the current charge level. All four indicators will illuminate when fully charged.
- A full charge provides approximately 12 hours of continuous operation.



Image 4.1: Charging the laser level using the Type-C port.

4.2 Mounting the Device

The laser level features a 1/4"-20 mount thread at its base, allowing it to be attached to a tripod or other mounting accessories (not included).

- Screw the laser level onto a compatible tripod or mounting bracket.
- Adjust the height and position as needed for your application.



Image 4.2: The 1/4"-20 mount thread allows attachment to a tripod.

5. OPERATING MODES

The Huepar FC011CR offers two operating modes: Self-Leveling Mode and Manual Mode.

5.1 Self-Leveling Mode

This mode is used for projecting accurate horizontal and vertical lines. The device will automatically level itself within its specified range.

1. Slide the Power Pendulum Lock to the **UNLOCKED** position (usually indicated by an open padlock icon).
2. Press the Power Button to turn on the laser level. It will automatically project cross lines.
3. The laser beams will blink continuously if the device is outside its self-leveling range ($\pm 4^\circ$). Adjust the device's position until the laser lines become steady.

5.2 Manual Mode (Locked Mode)

This mode allows you to project laser lines at any desired angle, useful for tasks like stair railing installation or decorative projects.

1. Slide the Power Pendulum Lock to the **LOCKED** position (usually indicated by a closed padlock icon).
2. Press the Power Button to turn on the laser level. The laser lines will be projected and locked in position, allowing for angled use.
3. The laser lines may blink periodically in manual mode to indicate that it is not self-leveling.



Image 5.1: Comparison of Self-leveling Mode and Manual/Tilt Mode.



Image 5.2: The laser level is suitable for multiple applications, including wall alignment and stair installation.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Huepar FC011CR laser level.

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents. Clean the laser windows carefully to maintain beam clarity.
- **Storage:** When not in use, store the device in its protective bag in a dry, cool place. Ensure the pendulum is in the LOCKED position during storage and transport to prevent damage.
- **Battery:** Recharge the battery regularly, even if the device is not in frequent use, to maintain battery health.
- **Rubber Sleeves:** The device features replaceable TPR rubber sleeves. These can be changed if damaged or for customization.

Replaceable TPR Rubber Sleeves

Two Colors of the Rubber Sleeves are Available - Black & Grey

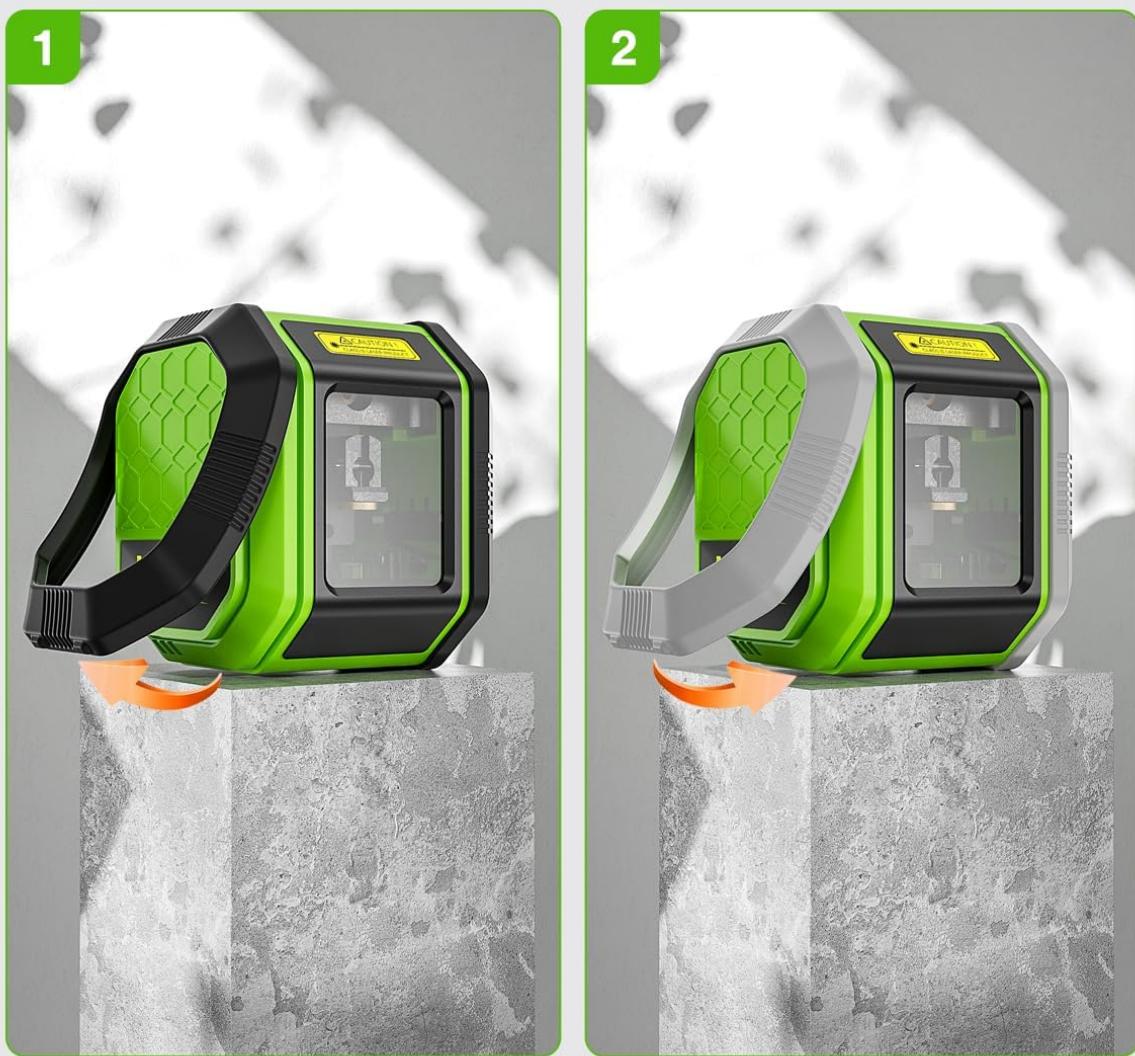


Image 6.1: The laser level features replaceable TPR rubber sleeves.

7. TROUBLESHOOTING

If you encounter issues with your laser level, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Laser does not turn on.	Battery is low or depleted.	Charge the battery using the Type-C cable.
Laser lines are blinking continuously in self-leveling mode.	Device is outside its self-leveling range ($\pm 4^\circ$).	Place the device on a flatter surface or adjust its position until the lines become steady.
Laser lines are dim or unclear.	Laser windows are dirty.	Clean the laser windows with a soft, dry cloth.

Problem	Possible Cause	Solution
Laser lines are not straight or accurate.	Device is in manual mode when self-leveling is required, or has been dropped/damaged.	Ensure the pendulum is UNLOCKED for self-leveling. If accuracy issues persist after a fall, contact support.

8. SPECIFICATIONS

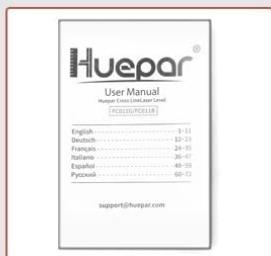
Feature	Detail
Model Number	FC011CR
Laser Class	Class 2 (IEC/EN60825-1/2014)
Laser Wavelength	635nm (Red Laser)
Leveling Accuracy	±3mm at 10m (±1/8 inch at 33 feet)
Self-Leveling Range	±4°
Working Range	Up to 45 meters (147 feet)
Operating Time	Approx. 12 hours (with full charge)
Power Source	3.7V 1400mAh Li-ion Battery (built-in)
Charging Port	Type-C
IP Rating	IP54 (Dustproof and Waterproof)
Mount Thread	1/4"-20
Product Dimensions	7.49 x 6.48 x 0.1 cm (approx. 2.95 x 2.55 x 0.04 inches)
Product Weight	350 grams (approx. 0.77 lbs)
Material	Aluminum, Stainless Steel, Plastic

9. INCLUDED ACCESSORIES

The following items are included with your Huepar FC011CR Red Cross Line Laser Level:

- 1x Huepar FC011CR Laser Level
- 1x User Manual
- 1x Paper Box (packaging)
- 1x Type-C Charging Cable
- 2x Replaceable Rubber Sleeves (one set pre-installed, one spare)

Standard Accessories



1x User manual



1x Paper box



Type-C cord



2xRubber sleeves

Image 9.1: Standard accessories included with the laser level.

10. WARRANTY AND SUPPORT

Huepar products are designed for quality and reliability. For warranty information, technical support, or service inquiries, please refer to the contact details provided in the packaging or visit the official Huepar website. Please retain your proof of purchase for warranty claims.