

Fanttik F2 Master, D2 PLUS

Fanttik F2 Master Mini Cordless Rotary Tool Kit & D2 PLUS Laser Level User Manual

Model: F2 Master, D2 PLUS

Please read this manual thoroughly before operating the product and retain it for future reference.

1. PRODUCT OVERVIEW

This manual provides instructions for the Fanttik F2 Master Mini Cordless Rotary Tool Kit and the Fanttik D2 PLUS Laser Level. These tools are designed for precision tasks and accurate leveling applications.



Image 1.1: The Fanttik F2 Master Mini Cordless Rotary Tool (left) and D2 PLUS Laser Level (right).

1.1 F2 Master Mini Cordless Rotary Tool

The F2 Master is a compact, cordless rotary tool featuring a brushless hollow cup motor for reduced noise and enhanced performance. It offers 5 adjustable speed settings for various precision tasks such as grinding, polishing, drilling, and engraving. The tool includes a Revostor Hub for organized accessory storage and a durable aluminum case with a pop-up mechanism for easy access.

1.2 D2 PLUS Laser Level

The D2 PLUS is a high-precision laser level utilizing advanced high-brightness green laser technology. It provides a projection range of up to 100 ft with an accuracy of 3/32 inches at 30 ft. It features independent or combined vertical and horizontal line projection, a wide-angle expansion for vertical lines, and a pulse mode for extended working range with an optional receiver.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the product.

- Read all instructions before use.
- Wear appropriate personal protective equipment, such as safety glasses, when operating the rotary tool.
- Keep the work area clean and well-lit.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool.
- Store tools out of reach of children.

2.1 Laser Safety

The D2 PLUS Laser Level is a Class II laser product. Observe the following precautions:

- **CAUTION:** Do not stare directly into the laser beam.
- Do not intentionally direct the laser beam at people or animals.
- Avoid exposing the eyes to direct or reflected laser beams.
- Do not modify the laser device.
- Use only as described in this manual.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:



Image 3.1: Contents of the D2 PLUS Laser Level package.

1. D2 PLUS Laser Level
2. USB-C Cable
3. Magnetic Bracket
4. Target Plate
5. Drawstring Bag
6. User Manual
7. F2 Master Mini Cordless Rotary Tool
8. F2 Master Revostor Hub with 35 accessories (3/32" / 2.3mm)
9. F2-M2 Magnetic Wrench

4. F2 MASTER ROTARY TOOL - SETUP & OPERATION

4.1 Components Overview

- **Rotary Tool Body:** Main unit with motor and battery.
- **Collet:** Holds the accessory bits.
- **Speed Indicator Lights:** Display current speed setting.
- **Power/Speed Button:** Controls power and speed.
- **Revostor Hub:** Magnetic stand for organizing accessories.
- **Aluminum Case:** Protective case with pop-up mechanism.

4.2 Charging the Rotary Tool

The F2 Master is battery-powered. Ensure it is fully charged before first use.

1. Connect the USB-C charging cable to the charging port on the rotary tool.
2. Connect the other end of the cable to a suitable USB power adapter (not included).
3. The indicator lights will show charging status. Once fully charged, disconnect the cable.

4.3 Attaching Accessories

The Revostor Hub provides organized storage and easy access to various accessories.

ALUMINUM ALLOY CASE POP-UP MECHANISM



Image 4.1: The Revostor Hub for organized accessory storage.

1. Ensure the rotary tool is turned off.
2. Unscrew the collet nut.
3. Insert the desired accessory bit (3/32" / 2.3mm shank) into the collet.
4. Tighten the collet nut securely using the F2-M2 Magnetic Wrench to hold the bit in place. Do not overtighten.

4.4 Power On/Off and Speed Adjustment

The F2 Master features a brushless motor for efficient and quiet operation.

WHISPER-QUIET

The mini engraving pen operates at 32 dB when idle



Image 4.2: The F2 Master operates quietly at 32 dB when idle.

POWERFUL BRUSHLESS MOTOR



Image 4.3: The F2 Master's powerful brushless motor provides up to 25,000 RPM.

1. **To Power On:** Press and hold the Power/Speed button until the indicator lights illuminate. The tool will start at the lowest speed setting.
2. **To Adjust Speed:** Briefly press the Power/Speed button to cycle through the 5 available speed settings. The indicator lights will show the selected speed.
3. **To Power Off:** Press and hold the Power/Speed button until the indicator lights turn off.

5. D2 PLUS LASER LEVEL - SETUP & OPERATION

5.1 Components Overview

- **Laser Emitters:** Project horizontal and vertical green laser lines.
- **Control Panel:** Buttons for power, mode selection, and pulse mode.
- **Pendulum Lock:** Secures the pendulum for manual mode or transport.
- **Battery Indicator:** Displays remaining battery life.
- **USB-C Charging Port:** For recharging the internal battery.

5.2 Charging the Laser Level

The D2 PLUS has a 2600 mAh rechargeable battery, providing 7-14 hours of continuous use.

OSRAM GREEN LASER

Green Beam Lasers Are **Four Times** Brighter Than Red Beams

Red Beam

Ordinary Green Beam

Osram Green Beam



Image 5.1: The D2 PLUS Laser Level features a USB-C charging port.

1. Connect the provided USB-C charging cable to the charging port on the side of the laser level.
2. Connect the other end of the cable to a suitable USB power adapter (not included).
3. The battery indicator lights will show charging status. Disconnect once fully charged.

5.3 Power On/Off and Mode Selection

The D2 PLUS uses an OSRAM green laser, which is four times brighter than traditional red lasers.

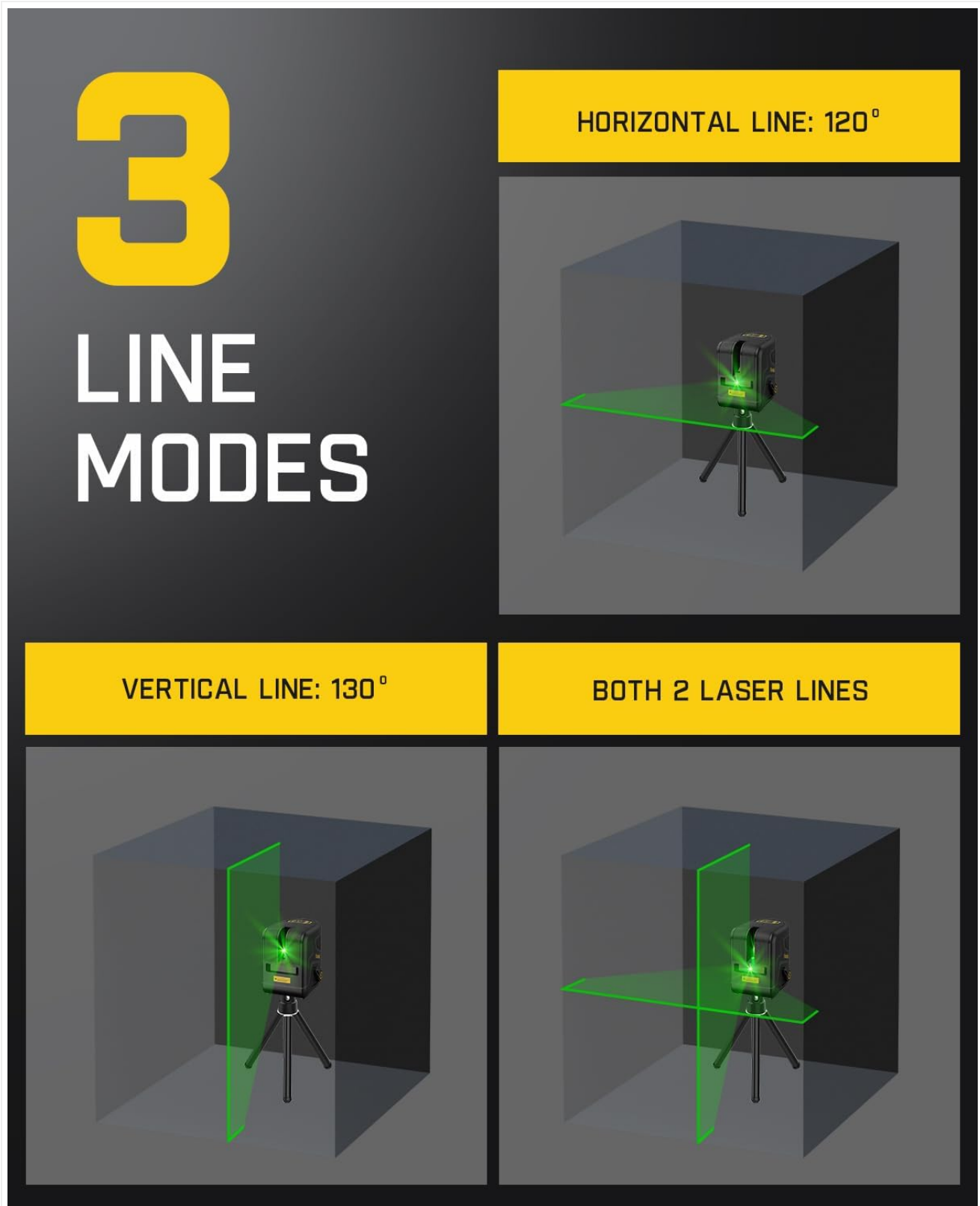


Image 5.2: The D2 PLUS utilizes a bright OSRAM green laser.

2600 mAh LARGE-CAPACITY RECHARGEABLE BATTERY

Continuous Use for 7-14 hours



USB-C
Charging

Image 5.3: The D2 PLUS offers three distinct line modes.

WHAT'S IN THE BOX?

- 1 D2 PLUS Laser Level
- 2 USB-C Cable
- 3 Magnetic Bracket
- 4 Target Plate
- 5 Drawstring Bag
- 6 User Manual



Image 5.4: Manual Mode (left) and Self-Leveling Mode (right) applications.

1. **Self-Leveling Mode:** Unlock the pendulum by sliding the pendulum lock switch to the 'unlocked' position. Press the power button to turn on the laser. The laser will self-level within 4 degrees. If the tilt exceeds 4 degrees, the laser will flash rapidly to indicate it is out of level. Press the power button to cycle through horizontal line, vertical line, or both.
2. **Manual Mode:** Lock the pendulum by sliding the pendulum lock switch to the 'locked' position. Press and hold the power button for 3 seconds to turn on the laser. The laser lines can now be projected at any angle without self-leveling. Press the power button to cycle through horizontal line, vertical line, or both.
3. **Pulse Mode:** In self-leveling mode, briefly press the pulse mode button (often indicated by a 'P' or wave icon) to activate pulse mode. This mode extends the working range up to 200 ft when used with a compatible laser receiver (not included), especially useful in bright environments.



Image 5.5: Pulse Mode extends the working range of the D2 PLUS Laser Level.

5.4 Mounting the Laser Level

The D2 PLUS can be mounted using its integrated magnetic bracket or a tripod.

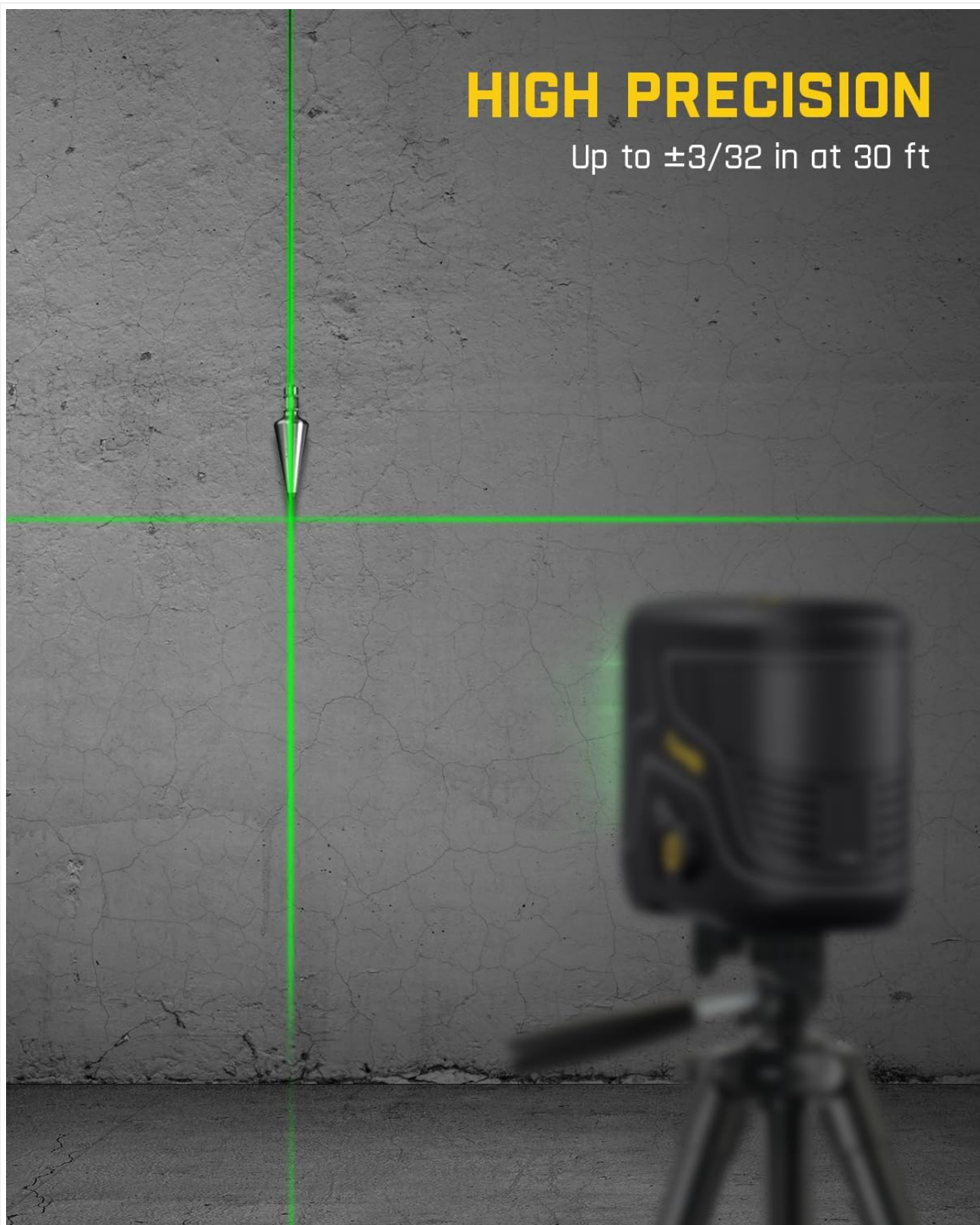


Image 5.6: The D2 PLUS offers high precision, up to $\pm 3/32$ in at 30 ft.

- **Magnetic Bracket:** Attach the magnetic bracket to metallic surfaces for stable positioning.
- **Tripod Mounting:** The laser level has a standard tripod thread (1/4"-20) on its base for mounting to a tripod (not included).

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your tools.



Image 6.1: The D2 PLUS Laser Level is designed for durability against dust, water, and minor impacts.

- **Cleaning:** Use a soft, damp cloth to clean the tool surfaces. Do not use abrasive cleaners or solvents. For the laser level, gently wipe the laser windows with a clean, lint-free cloth.
- **Storage:** Store both tools in their original packaging or a protective case in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the pendulum lock on the laser level is engaged during storage and transport.
- **Battery Care:** For optimal battery life, charge the tools regularly, even if not in frequent use. Avoid fully discharging the batteries for extended periods.
- **Inspection:** Periodically inspect the tools for any signs of damage, loose parts, or wear. Do not operate damaged tools.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
F2 Master does not turn on.	Low battery.	Charge the rotary tool using the USB-C cable.
F2 Master accessory bit is loose.	Collet nut not tightened sufficiently.	Ensure the collet nut is securely tightened with the magnetic wrench.
D2 PLUS laser lines are flashing rapidly.	Laser level is out of its self-leveling range (>4 degrees).	Place the laser level on a flatter surface or adjust its position until the flashing stops.
D2 PLUS laser lines are dim or not visible outdoors.	Bright ambient light.	Activate Pulse Mode and use a compatible laser receiver (not included).
D2 PLUS laser lines are not self-leveling.	Pendulum lock is engaged (Manual Mode).	Slide the pendulum lock switch to the 'unlocked' position for Self-Leveling Mode.

If you encounter issues not covered here, please contact Fanttik customer support.

8. SPECIFICATIONS

8.1 Fanttik F2 Master Mini Cordless Rotary Tool

Feature	Specification
Motor Type	Brushless Hollow Cup Motor

Feature	Specification
Maximum Rotational Speed	25,000 RPM
Speed Settings	5 adjustable settings
Noise Level (Idle)	32 dB
Weight	0.22 lb
Accessory Shank Size	3/32" / 2.3mm
Power Source	Battery Powered
Special Features	Portable, Cordless, Revostor Hub, Aluminum Case

8.2 Fanttik D2 PLUS Laser Level


Feature	Specification
Laser Type	Green Laser (OSRAM)
Laser Classification	Class II, <1 mW
Projection Range	Up to 100 ft
Accuracy	±3/32 in at 30 ft
Self-Leveling Range	±4 degrees
Vertical Line Angle	130°
Battery Capacity	2600 mAh
Continuous Use Time	7-14 hours
Charging Port	USB-C
Durability	Dust Resistance, Water Resistance, Resistant to fall from 1m

9. WARRANTY AND SUPPORT

Fanttik products are manufactured to high-quality standards. For warranty information or technical support, please refer to the warranty card included in your package or visit the official Fanttik website. Please have your model number and purchase date available when contacting support.

For further assistance, you may contact Fanttik customer service through their official channels.

Related Documents - F2 Master, D2 PLUS

	Fanttik F2 Master Rotary Tools User Manual User manual for the Fanttik F2 Master rotary tool, detailing operation, safety, accessories, and specifications for DIY and crafting projects.
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	<p>Fanttik D2 Laser Level User Manual and Specifications</p> <p>Comprehensive user manual and specifications for the Fanttik D2 Laser Level, covering safety warnings, package contents, product overview, operation, troubleshooting, and warranty information.</p>
	<p>Fanttik D12 PLUS 3 x 360° Laser Level User Manual</p> <p>Comprehensive user manual for the Fanttik D12 PLUS 3 x 360° Laser Level, covering safety warnings, package contents, product overview, operation, specifications, and troubleshooting.</p>
<p>尺寸:123 x 90mm 材质: 105g铜版纸 印刷: 单黑 装订: 骑马钉 注: 封面封底背面不印刷</p>	<p>Fanttik D2 PRO Laser Level User Manual</p> <p>Comprehensive user manual for the Fanttik D2 PRO Laser Level, detailing safety warnings, package contents, product overview, operation, specifications, and troubleshooting. Learn how to safely and effectively use your Fanttik D2 PRO laser level.</p>
<p>尺寸:123 x 90mm 材质: 105g铜版纸 印刷: 单黑 装订: 骑马钉 注: 封面封底背面不印刷</p>	<p>Fanttik D2 PRO Laser Level User Manual</p> <p>Comprehensive user manual for the Fanttik D2 PRO Laser Level, model L2G. Provides essential safety guidelines, product overview, detailed operation instructions, technical specifications, and troubleshooting tips. Available in English, French, and Spanish.</p>
	<p>Fanttik D2 Laser Level User Manual and Warranty Information</p> <p>Comprehensive user manual for the Fanttik D2 Cross Line Laser Level, covering safety warnings, package contents, product overview, operation, specifications, troubleshooting, and warranty information.</p>