Firecore F94T-XG

Firecore F94T-XG 3 X 360 Laser Level and FT1500D Tripod User Manual

Model: F94T-XG Laser Level & FT1500D Tripod

1. INTRODUCTION

Thank you for choosing the Firecore F94T-XG 3 X 360 Laser Level and FT1500D Tripod. This comprehensive system provides an all-in-one leveling and alignment solution for various applications. The F94T-XG laser level projects three 360° green laser planes, offering superior visibility and precision for tasks such as aligning, leveling, plumbing, and squaring. Paired with the adjustable FT1500D aluminum alloy tripod, this kit ensures stable and accurate measurements for both interior and exterior projects. Please read this manual thoroughly before operation to ensure safe and effective use of your new tool.

2. SAFETY INFORMATION

WARNING: Read and understand all safety warnings and instructions before operating this laser level. Failure to follow the warnings and instructions may result in serious injury.

2.1 Laser Safety

This product is a Class II laser product, with a power output of less than 1mW and a wavelength of 505-520nm. Direct eye exposure to the laser beam should be avoided.

- Do not stare directly into the laser beam.
- Do not intentionally direct the laser beam at other people or reflective surfaces.
- Do not operate the laser level in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep the laser level out of reach of children.
- Use only the specified batteries and charging methods.

2.2 General Safety

- Always ensure the work area is clear and well-lit.
- Do not modify the laser level or tripod.
- Protect the device from extreme temperatures, water, and impact.
- Clean the laser level with a soft, dry cloth. Do not use solvents.

3. PACKAGE CONTENTS

The Firecore F94T-XG Laser Level and FT1500D Tripod kit includes the following items:

Figure 3.1: Contents of the Firecore F94T-XG Laser Level Kit.

- Firecore F94T-XG 3 X 360 Laser Level
- Firecore FT1500D 60-inch Aluminum Alloy Laser Tripod
- 2 x 7.4V / 2600mAh Rechargeable Li-ion Batteries
- Type-C Charging Cable and Power Adapter
- Magnetic Pivoting Base
- Green Target Plate
- User Manual
- Carrying Case for Laser Level
- Shoulder Strap Bag for Tripod

4. PRODUCT OVERVIEW

4.1 Firecore F94T-XG Laser Level

The F94T-XG is a robust and precise laser level designed for demanding job sites. It features an over-molded housing and IP65 water/dust resistance for durability.

Figure 4.1: Firecore F94T-XG Laser Level Key Features.

- **3 x 360° Green Laser Lines:** One horizontal and two vertical planes for full room coverage.
- **High Visibility:** Green beams are up to 4X brighter than standard red beams.
- **Smart Pendulum System:** Self-levels within ±4° in 3 seconds and indicates out-of-level conditions.
- **Pulse Mode:** Extends working range up to 197 ft (60m) with a Firecore FD30 laser detector.
- **Integrated Magnetic Bracket:** Features 1/4 in. and 5/8 in. threads for versatile mounting.
- **Disturbance Monitor:** High-precision electronic motion sensor alerts if the tool position changes, ensuring consistent accuracy.

4.2 Firecore FT1500D Laser Tripod

The FT1500D tripod provides a stable and adjustable platform for your laser level, suitable for various applications.

Figure 4.2: Firecore FT1500D Laser Tripod.

- **Adjustable Height:** Expands from 20 inches to 60 inches (50 cm to 150 cm).
- **Material:** Crafted from quality aluminum for durability and lightweight portability.
- **Head Design:** Flat head with 1/4-inch x 20 threaded studs, compatible with the F94T-XG.
- **Quick-Release Clamps:** For easy and secure leg adjustments.

5. SETUP

5.1 Battery Installation and Charging

The F94T-XG uses two 7.4V / 2600mAh rechargeable Li-ion batteries.

1. Open the battery compartment cover on the back of the laser level.
2. Insert the rechargeable Li-ion battery packs, ensuring correct polarity.
3. Close the battery compartment cover securely.
4. To charge, connect the Type-C charging cable to the battery pack (if charging separately) or directly to the laser level. Connect the power adapter to a suitable power outlet. The charging indicator will show charging status.

5.2 Attaching Laser Level to Tripod

The FT1500D tripod features both 1/4-inch and 5/8-inch mounting threads for compatibility.

Figure 5.1: Tripod Head with 1/4" and 5/8" Threads.

1. Extend the tripod legs and central column to your desired height. Use the quick-release clamps to secure them.
2. Place the F94T-XG laser level onto the tripod head. The laser level's base has a 1/4-inch thread.
3. Secure the laser level by rotating the mounting screw on the tripod head until it is firmly attached.

6. OPERATING INSTRUCTIONS

6.1 Powering On and Self-Leveling Mode

The F94T-XG features a Smart Pendulum System for automatic leveling.

Figure 6.1: Firecore F94T-XG Laser Level in Self-Leveling Mode.

1. Unlock the pendulum by sliding the pendulum lock switch to the unlocked position.
2. Press the power button to turn on the laser level. The laser lines will activate.
3. Place the laser level on a stable surface or tripod. The Smart Pendulum System will automatically self-level within ±4°.
4. If the device is out of its self-leveling range, the laser lines will flash rapidly to indicate an out-of-level condition. Adjust the position of the laser level until the lines stop flashing and become steady.

6.2 Manual Mode (Locking Lines)

For applications requiring lines at an angle, you can lock the pendulum.

1. With the pendulum lock switch in the locked position, press and hold the power button for a few seconds to activate Manual Mode.
2. The laser lines will turn on and remain steady, allowing you to project lines at any desired angle. The out-of-level alarm will be deactivated in this mode.

6.3 Pulse Mode (Detector Use)

Pulse mode extends the working range of the laser level, especially in bright lighting or outdoor conditions, when used with a compatible laser detector (e.g., Firecore FD30).

Figure 6.2: Using the Laser Level with a Detector in Pulse Mode.

1. In self-leveling mode, press the dedicated Pulse Mode button (if available, or cycle through modes) to activate Pulse Mode. The laser lines may appear dimmer to the naked eye but will be detectable by the receiver.
2. Follow the instructions for your specific laser detector to locate the laser line at extended distances.

6.4 Applications

The Firecore F94T-XG is versatile for various professional and DIY applications.

Figure 6.3: Laser Level in a Construction Environment.

- Room layout and partitioning
- Alignment of conduit, lighting, and fixtures
- Flooring and tiling installation
- Drywall and window framing
- Cabinet and shelf installation

7. MAINTENANCE

7.1 Cleaning

- Regularly clean the laser level and tripod with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the housing or optical components.
- Keep the laser apertures clean to ensure clear and accurate laser lines.

7.2 Storage

Figure 7.1: Tripod and Carrying Bag for Storage.

- Always lock the pendulum before storing or transporting the laser level to prevent damage to the internal mechanism.
- Store the laser level and tripod in their respective carrying cases when not in use.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, remove the batteries from the laser level.

7.3 Battery Care

- Charge batteries fully before first use.
- Do not expose batteries to excessive heat or direct flame.
- Dispose of batteries according to local regulations.

8. TROUBLESHOOTING

If you encounter issues with your Firecore F94T-XG laser level, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Laser lines are flashing rapidly.	Laser level is out of its self-leveling range (±4°).	Place the laser level on a more level surface or adjust the tripod until the lines become steady.
Laser lines are dim or not visible outdoors.	Bright ambient light; not in Pulse Mode.	Activate Pulse Mode and use a compatible laser detector (e.g., Firecore FD30). Use the green target plate to enhance visibility over short distances.

Problem	Possible Cause	Solution
Laser level does not turn on.	Low battery; pendulum locked; power button not pressed correctly.	Charge or replace batteries. Ensure pendulum lock switch is in the unlocked position. Press the power button firmly.
Inaccurate measurements.	Device not calibrated; pendulum not fully settled; disturbance during operation.	Ensure the device is on a stable surface and has fully self-leveled. Avoid disturbing the device during use. If persistent, contact customer support for calibration.
Battery life is shorter than expected.	Batteries not fully charged; old batteries; operating in extreme temperatures.	Ensure batteries are fully charged. Replace old batteries if capacity has significantly degraded. Operate within recommended temperature ranges.

9. SPECIFICATIONS

Feature	Specification
Laser Class	Class II (IEC/EN60825-1/2014)
Laser Wavelength	505-520nm (Green Laser)
Leveling Accuracy	±1/9 inch at 33 ft (±3mm at 10m)
Self-Leveling Range	±4°
Self-Leveling Time	3 seconds
Visible Range	Up to 82 ft (25m)
Working Range with Detector	Up to 197 ft (60m) with Firecore FD30
IP Rating	IP65 (Water/Dust Resistance)
Power Source	2 x 7.4V / 2600mAh Li-ion Batteries
Operating Time	Approx. 10 hours per battery (continuous use)
Mounting Thread	1/4 in. and 5/8 in.
Tripod Material	Aluminum Alloy
Tripod Height Range	20 inches to 60 inches (50 cm to 150 cm)
Operating Temperature	Not specified, generally 14°F to 122°F (-10°C to 50°C) for laser levels.
Storage Temperature	Not specified, generally -4°F to 158°F (-20°C to 70°C).

10. WARRANTY AND SUPPORT

Firecore products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Firecore website. If you have any questions, require technical assistance, or need to report an issue, please contact Firecore customer support through the following channels:

- **Official Website:** www.firecoretools.com (Example, actual link not provided in data)
- **Email Support:** Refer to your product packaging or official website for contact email.
- **Amazon Store:** Visit the Firecore Store on Amazon for product information and support options.

Please have your model number (F94T-XG) and purchase date ready when contacting support.

Related Documents

	[FIRECORE G60 Green Beam Self-Leveling 4 x 360 Laser Level User Manual](#) User manual for the FIRECORE G60 Green Beam Self-Leveling 4 x 360 Laser Level. Provides detailed information on product features, operation, safety guidelines, specifications, maintenance, and warranty.
	[Firecore 3x360° Line Laser User Manual - F95T-XG](#) Comprehensive user manual for the Firecore F95T-XG 3x360° Line Laser. Includes safety instructions, product overview, operating modes, specifications, maintenance, troubleshooting, and warranty information.
	[FIRECORE G30 Self-Leveling 360-Degree Cross Line Laser User Manual](#) Comprehensive user manual for the FIRECORE G30 Self-Leveling 360-Degree Cross Line Laser, covering specifications, safety instructions, operation, maintenance, and troubleshooting.
	[FIRECORE FLP370C Laser Level Pole with Tripod User Guide](#) A user guide for the FIRECORE FLP370C Laser Level Pole with Tripod, detailing its specifications, installation steps, and maintenance care.

Documents - Firecore – F94T-XG

[pdf] User Manual Instructions Troubleshooting Guide Specifications Warranty Label

NINGMEI User Manual Laser Level with Tripod Set Firecore 3X360 Green Self Leveling and Alignment Line Tool for Construction Includes Rechargeable Li Ion Battery L Bracket Carry Pouch 91K CC 2NbL m media amazon images I l||

3x360Line Laser User Manual Please read these instructions before operating the product.
Model: **F94T-XG** Questions, problems, missing parts Before returning to your retailer, contact us by email: support Firecoretools.com. Table of Contents Safety Instructions..
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[pdf] User Manual

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Verzeichnis 1. Sicherheitsvorkehrungen 2. Produktbersicht 3. Zertifikat 4. Bedienungsanleitung 5. Ve ... 3 Sekunden lang gedrckt, um diesen Modus auszuschalten. Puls modus Wie benutzt man den Empfnger mit **F94T-XG** F92T-XG Laserniveau 1. Schalten Sie zuerst den Pulsmodus des Laserpegels ein. - Drcken Sie ...

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