

## STANLEY FMHT1-77357

# Stanley Fatmax X3R Red Beam Multi-Line Laser Level

Model: FMHT1-77357

## 1. PRODUCT OVERVIEW

The Stanley Fatmax X3R Red Beam Multi-Line Laser Level (FMHT1-77357) is a professional-grade tool designed for precise leveling and alignment tasks in various construction and renovation projects. It projects three 360-degree red laser lines, offering comprehensive coverage for indoor and outdoor applications.

Key features include:

- 20M Working range, up to 50M with a detector.
- Accuracy of +/- 3mm @10M.
- Projects 3 x 360° lines for full room coverage.
- Equipped with 1/4" and 5/8" thread for tripod mounting.
- Rated to IP54 for protection against dust and water splashes.
- Features a tough and rugged rubber over-molded housing for durability.
- Powered by a rechargeable lithium-ion battery.
- Includes a pulse mode for use with a detector.
- Pendulum lock for safe transportation.



Figure 1: Stanley Fatmax X3R Laser Level with all included accessories.

## 2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in serious injury.

### 2.1 Laser Safety

- **CAUTION:** Laser Radiation. Do not stare into beam. Class 2 Laser Product.

- Do not intentionally direct the laser beam at people or animals.
- Avoid direct eye exposure to the laser beam.
- Do not disassemble the laser level. There are no user-serviceable parts inside.
- Use the provided red beam laser enhancement glasses to improve visibility of the laser line, but note they do not protect against direct exposure to the laser beam.

## 2.2 Battery Safety

- Use only the charger supplied with the device.
- Do not expose batteries to extreme temperatures or direct sunlight.
- Do not short-circuit the battery terminals.
- Dispose of batteries responsibly according to local regulations.

## 3. PACKAGE CONTENTS

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Carefully unpack the box and ensure all items are present and undamaged:

- Stanley Fatmax X3R Multi-Line Laser Level (FMHT1-77357)
- Rechargeable Lithium-Ion Battery (pre-installed or separate)
- Battery Charger
- Red Target Plate
- Red Beam Laser Enhancement Glasses
- Carry Case
- Instruction Manual (this document)

## 4. SETUP

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### 4.1 Charging the Battery

Before first use, fully charge the lithium-ion battery. Connect the charger to the charging port on the laser level and plug it into a power outlet. The charging indicator light will show the charging status.



*Figure 2: Charging port location on the laser level.*

## **4.2 Positioning the Laser Level**

The laser level can be placed on a stable, flat surface or mounted on a tripod using the 1/4" or 5/8" thread at its base. Ensure the surface is level for optimal performance, although the unit features self-leveling capabilities.



*Figure 3: Adjusting the laser level on a tripod for precise positioning.*

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off and Self-Leveling

To power on the device, slide the pendulum lock switch to the unlocked position. The laser level will automatically self-level. If the unit is outside its self-leveling range, the laser lines will flash to indicate an unlevel condition. Adjust the unit's position until the lines become steady.



Figure 4: Control panel of the laser level, showing buttons and indicators.

### 5.2 Selecting Laser Modes

The Stanley Fatmax X3R projects three 360-degree laser lines. Use the mode selection buttons on the control panel

to cycle through different line combinations (e.g., horizontal only, vertical only, or all lines simultaneously).



Figure 5: Laser level projecting lines during construction work.



Figure 6: Laser lines projected on a wall, demonstrating multi-line capability.



Figure 7: Laser lines assisting with floor tile installation.

### 5.3 Pulse Mode for Detector Use

For outdoor use or in bright conditions, activate the pulse mode. This mode allows the laser level to be used with a compatible laser detector (sold separately) to extend the working range up to 50 meters. Refer to your detector's manual for specific instructions on pairing and use.

### 5.4 Using the Pendulum Lock

When transporting or storing the laser level, always engage the pendulum lock. This protects the internal pendulum mechanism from damage due to vibrations or impacts.



*Figure 8: Durable rubber over-molded housing for enhanced protection.*

## 6. MAINTENANCE

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### 6.1 Cleaning

Wipe the laser level with a soft, damp cloth. Do not use abrasive cleaners or solvents. Keep the laser apertures clean and free of dust or debris to ensure optimal beam clarity.

### 6.2 Storage

Store the laser level in its carry case in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the pendulum lock is engaged before storage.

### 6.3 Battery Care

For long-term storage, it is recommended to charge the battery to approximately 50% capacity every few months to maintain battery health.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Laser not turning on	Battery is depleted; Pendulum lock engaged; Unit damaged.	Charge the battery; Disengage the pendulum lock; Contact customer service.
Laser lines are flashing	Unit is out of self-leveling range.	Place the unit on a more level surface or adjust its position until lines become steady.
Laser lines are dim or not visible outdoors	Bright ambient light; Not using pulse mode with detector.	Use the red beam enhancement glasses; Activate pulse mode and use a compatible laser detector.
Inaccurate readings	Unit not self-leveling; Unit has been dropped or damaged.	Ensure unit is within self-leveling range; If accuracy issues persist after a fall, contact customer service for calibration.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	FMHT1-77357
Working Range	20M (up to 50M with detector)
Accuracy	+/- 3mm @ 10M
Laser Class	Class 2
Laser Color	Red
Number of Lines	3 x 360°
Tripod Thread	1/4" and 5/8"
IP Rating	IP54 (Dust and Water Splash Protection)
Power Source	Rechargeable Lithium-Ion Battery
Item Weight	428 g (0.43 Kilograms)
Product Dimensions	18 x 0.1 x 41 cm

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Stanley Customer Service. Keep your proof of purchase for any warranty claims.

You can find more information and contact details on the official Stanley website: [www.stanleytools.com](http://www.stanleytools.com)

