

## TOPTRO TR23

# TOPTRO TR23 Mini Projector User Manual

Model: TR23

## 1. INTRODUCTION

Thank you for choosing the TOPTRO TR23 Mini Projector. This manual provides essential information for setting up, operating, and maintaining your projector to ensure optimal performance and longevity. The TR23 features smart electric focus, WiFi 6 and Bluetooth 5.2 connectivity, 1080P support, and an advanced dustproof design, offering a superior home theater experience.

## 2. SAFETY INFORMATION

Please read all safety instructions before using the projector. Keep this manual for future reference.

- Do not look directly into the projector lens when the lamp is on.
- Ensure proper ventilation to prevent overheating. Do not block ventilation openings.
- Use only the power adapter supplied with the projector.
- Avoid placing the projector in unstable locations or near water.
- Do not attempt to repair the projector yourself. Contact qualified service personnel.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- TOPTRO TR23 Mini Projector
- Remote Control
- HDMI Cable
- Power Adapter
- User Manual
- Cleaning Kit
- 3.5 mm Jack Cable

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components of your TOPTRO TR23 projector.





Figure 4.1: Front view of the TOPTRO TR23 Mini Projector, showcasing its compact design and integrated handle for portability.



Figure 4.2: The TOPTRO TR23 Mini Projector positioned on a table, highlighting its portable form factor and sleek appearance.

## Intelligent Design, One-Key Start



Figure 4.3: Top and side view of the projector, illustrating the one-key start button and various input ports (HDMI, USB, IR receiver).

## 5. SETUP

### 5.1 Unpacking

Carefully remove the projector and all accessories from the packaging. Retain the original packaging for future storage or transport.

### 5.2 Placement

Place the projector on a stable, flat surface. Ensure there is adequate space around the projector for ventilation. The projector supports front, rear, ceiling, and table mounting options.

### 5.3 Power Connection

Connect the power adapter to the projector's power input port, then plug the adapter into a power outlet.

## 5.4 Initial Setup and Focus

After powering on, the projector will automatically adjust focus. For fine-tuning, use the remote control's electric focus function.



Figure 5.1: Demonstrates the ease and precision of the TR23's electric focus compared to traditional manual focus, achieving clarity in seconds.

## 6. OPERATING INSTRUCTIONS

### 6.1 Power On/Off

Press the power button on the projector or the remote control to turn the unit on or off.



## 6.2 Input Sources

The projector supports multiple input sources:

- **HDMI:** Connect devices like Fire TV Stick, Chromecast, Roku, DVD players, laptops, PS5.
- **USB:** Connect USB devices for media playback.
- **AV:** Connect older devices using the AV port.

## 6.3 Wireless Connectivity

The TR23 features advanced wireless capabilities:

- **WiFi 6:** For stable and fast wireless screen mirroring from iOS, Android, and Windows 10 devices.
- **Bluetooth 5.2:** For connecting external audio devices like Bluetooth headphones, speakers, or AirPods.



Figure 6.1: Illustrates the superior speed and stability of 5G WiFi connectivity for seamless screen mirroring compared to 2.4G WiFi.

## 6.4 Screen Mirroring

To mirror your device's screen:

1. Ensure your device and the projector are connected to the same WiFi network.
2. Select the screen mirroring option on the projector's menu.
3. Follow the on-screen instructions for iOS, Android, or Windows devices.

**Note on Copyrighted Content:** Due to copyright restrictions, direct screen mirroring of content from platforms like Netflix, Prime Video, and Disney+ is not supported. For these services, please use an external streaming device (e.g., Fire TV Stick, Chromecast) connected via HDMI.

## 6.5 Adjusting Projection

Optimize your viewing experience with these adjustments:

- **Zoom Function:** Adjust the image size from 100% down to 50% using the remote control.
- **Keystone Correction:** The projector supports 4D/4P Keystone Correction and Auto Vertical Correction to ensure a perfectly rectangular image even when the projector is not perfectly aligned with the screen.



Figure 6.2: Illustrates the various keystone correction methods available, including 4-point, horizontal, and vertical adjustments, for



## 6.6 Audio Output

The projector features dual 6W stereo speakers for an immersive sound experience. You can also connect external audio devices via Bluetooth or the 3.5mm headphone jack.



Figure 6.3: The projector's audio capabilities, emphasizing clear treble and deep bass from its built-in stereo speakers.

## 7. MAINTENANCE

### 7.1 Dustproof Design

The TOPTRO TR23 features an IP5X-certified fully sealed optical system. This design effectively prevents dust from entering the optical components, reducing issues like yellow screens, black spots, and light leakage, and extending the projector's lifespan.



# Full-Sealed Optical Engine

Say goodbye to spots and yellow spots



Figure 7.1: Internal view illustrating the full-sealed optical engine, designed to prevent dust accumulation and maintain image quality.

## 7.2 Cleaning

To maintain optimal performance:

- Use a soft, dry cloth to clean the exterior of the projector.
- For the lens, use a lens cleaning cloth and specialized lens cleaning solution. Do not use abrasive cleaners.
- Regularly check and clean the ventilation openings to ensure proper airflow.

## 8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No picture / No signal	Incorrect input source selected; Loose cable connection; Device not powered on.	Select correct input source (HDMI/USB/AV); Check all cable connections; Ensure connected device is powered on.
Blurred image	Focus not adjusted; Projector too close/far from screen.	Use electric focus via remote control; Adjust projection distance.
No sound	Volume too low/muted; External audio device not connected properly; Source device audio settings.	Increase volume/unmute; Check Bluetooth connection or 3.5mm cable; Adjust audio output on source device.
Screen mirroring issues (e.g., Netflix black screen)	Copyright restrictions; Network instability.	Use an external streaming device (Fire TV Stick, Chromecast) for copyrighted content; Ensure stable WiFi connection.
Overheating / Automatic shutdown	Blocked ventilation; Prolonged use in hot environment.	Ensure ventilation openings are clear; Operate in a well-ventilated area; Allow projector to cool down.

## 9. SPECIFICATIONS

Feature	Specification
Model	TR23
Native Resolution	1280 x 720P
Supported Resolution	1920 x 1080P
Brightness	15000 Lux (320 ANSI Lumen)
Contrast Ratio	20000:1
Display Technology	LCD
Aspect Ratio	16:9 / 4:3
Projection Size	40-300 inches
Projection Distance	3-12 feet
Focus	Electric Focus
Keystone Correction	4D/4P Keystone, Auto Vertical Correction
Zoom Function	100%-50%
WiFi Standard	WiFi 6 (5G)

Feature	Specification
Bluetooth Standard	Bluetooth 5.2
Audio	Dual 6W Stereo Speakers
Input Ports	HDMI, USB, AV, 3.5mm Audio
Noise Level	Below 35dB
Dimensions	15.7 x 13.18 x 17.48 cm
Weight	861.83 g

## 10. WARRANTY AND SUPPORT


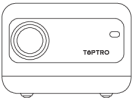
TOPTRO provides a **2-year after-sales service** for the TR23 Mini Projector. If you encounter any issues or have questions, please do not hesitate to contact our dedicated customer support team.



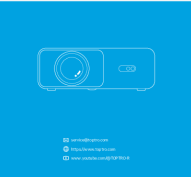
**Customer Support Email:** [service@toptro.com](mailto:service@toptro.com)

Our support team is available 24/7 to assist you and ensure your complete satisfaction.

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### Related Documents - TR23

<div>  <b>USER MANUAL</b> TR25 PROJECTOR <a href="mailto:service@toptro.com">service@toptro.com</a></div>	<p><a href="#">TOPTRO TR25 Projector User Manual</a></p> <p>User manual for the TOPTRO TR25 projector, covering setup, operation, features like WiFi and Bluetooth connectivity, and troubleshooting.</p>
<div><p>TR23 投影机规格书:</p><p>尺寸: 115*120mm</p><p>重量: 4.2kg</p><p>材质: 铝合金+ABS+PC+PMMA+亚克力+钢化玻璃</p><p>功耗: &lt;100W (含散热)</p><p>接口类型: HDMI、USB、AV、3.5mm</p><p>不可拆卸、密封、防潮、防尘、防刮、防摔</p><p>(含说明书)</p></div>	<p><a href="#">TOPTRO TR23 Entertainment Projector User Manual   Installation, Setup, Features</a></p> <p>User manual for the TOPTRO TR23 Entertainment Projector. Get detailed instructions on installation, setup, wireless screen mirroring (iOS Cast, Miracast), Bluetooth, multimedia playback, and system settings. Contact TOPTRO support for assistance.</p>

<div><div>TOPTRO</div><div>X9</div><div>USER MANUAL</div><div></div></div>	<p><a href="#">TOPTRO X9 User Manual: Setup, Features, and Troubleshooting Guide</a></p> <p>Comprehensive user manual for the TOPTRO X9 projector, covering setup, installation, specifications, smart features, connectivity, and troubleshooting. Learn how to get the most out of your TOPTRO X9 projector.</p>
<div><div>TOPTRO</div><div>Entertainment Projector</div><div></div><div>USER MANUAL X7</div><div>service@toptro.com</div></div>	<p><a href="#">TOPTRO X7 Entertainment Projector User Manual</a></p> <p>Comprehensive user manual for the TOPTRO X7 Entertainment Projector, covering setup, operation, features, and troubleshooting. Learn how to connect devices, adjust settings, and optimize your viewing experience.</p>
<div><div><div>「</div><div>」</div><div>TOPTRO X6 投影机规格参数:</div><div>尺寸: 195*120mm</div><div>颜色: AC 白色</div><div>材质: 外壳材质: 200g 铝镁合金 + 亚克力</div><div>内存: 16Gg 闪存</div><div>额定功率: 150W + 散热</div><div>不可拆卸: 镜头、散热、散热风扇</div><div>(此页不显示)</div></div></div>	<p><a href="#">TOPTRO X6 User Manual: Setup, Features, and Troubleshooting</a></p> <p>Comprehensive user manual for the TOPTRO X6 Entertainment Projector. Learn about installation, setup, wireless projection, system settings, and troubleshooting.</p>
<div><div>TOPTRO</div><div>A1</div><div>USER MANUAL</div><div></div></div>	<p><a href="#">TOPTRO A1 User Manual: Setup, Features, and Troubleshooting</a></p> <p>Comprehensive user manual for the TOPTRO A1 projector, covering installation, settings, connectivity, specifications, and troubleshooting tips for an optimal home theater experience.</p>