

Thundead TD93 Pro

Thundead TD93 Pro Mini Projector User Manual

Model: TD93 Pro | Brand: Thundead

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Thundead TD93 Pro Mini Projector. Please read this manual thoroughly before using the product to ensure proper functionality and to extend its lifespan.



Image 1.1: ThundeaL TD93 Pro Mini Projector overview.

2. WHAT'S IN THE BOX

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

- ThundeaL TD93 Pro Projector
- Remote Control
- Power Cord
- User Manual (this document)
- AV Cable
- HDMI Cable
- Projector Lens Cover



TD93PRO*1



Packing Box *1



Power Cable *1



User Guide *1



AV Cable *1



Remote Control *1

Image 2.1: Package contents of the TD93 Pro Projector.

3. PRODUCT SPECIFICATIONS AND FEATURES

3.1. Technical Specifications

Model Number	TD93 Pro (Item Model Number: TD97)
Native Resolution	1920 x 1080 (Full HD)
Max Resolution Support	2K 4K UHD (from HD Signal)
Brightness	12000 Lumens
Contrast Ratio	15000:1

Aspect Ratio	4:3 / 16:9 / Auto
Operating System	Android 9.0 OS
Wireless Connectivity	2.4G / 5G WiFi, Bluetooth-compatible
Memory	RAM 1G DDR3 + ROM 8G
Keystone Correction	6D Keystone (4-point corner +/- 60°, Vertical +/- 60°)
Zoom Function	50-100% Proportional Reduction
Projection Size	49 to 300 inches (recommended 93-150 inches)
Projection Distance	1.6 to 6.5 meters (recommended 3-5 meters)
Lamp Lifetime	50,000 hours
Audio	Built-in 5W stereo speakers with SRS sound system
Special Features	3D-Ready (Red-Blue 3D), Auto Horizontal Keystone, Built-In Wi-Fi, Portable, Dust Removal Net

3.2. Key Features

- **High Definition Visuals:** Native 1080P resolution with support for 2K/4K UHD signals, delivering clear and vibrant images.
- **Smart Android OS:** Integrated Android 9.0 operating system allows direct app downloads and streaming.
- **Dual-Band WiFi:** 2.4G and 5G WiFi connectivity for stable and fast wireless streaming and screen mirroring.
- **Bluetooth Connectivity:** Connect external Bluetooth speakers or headphones for enhanced audio.
- **Advanced Image Correction:** 6D Keystone correction (4-point and vertical) for flexible placement and precise image alignment.
- **Flexible Projection:** Adjustable zoom from 50% to 100% and support for screen sizes up to 300 inches.
- **Long-Lasting Lamp:** LED lamp designed for up to 50,000 hours of operation.
- **Multi-Media Compatibility:** Supports various input sources including HDMI, USB, AV, and direct office file playback via USB.

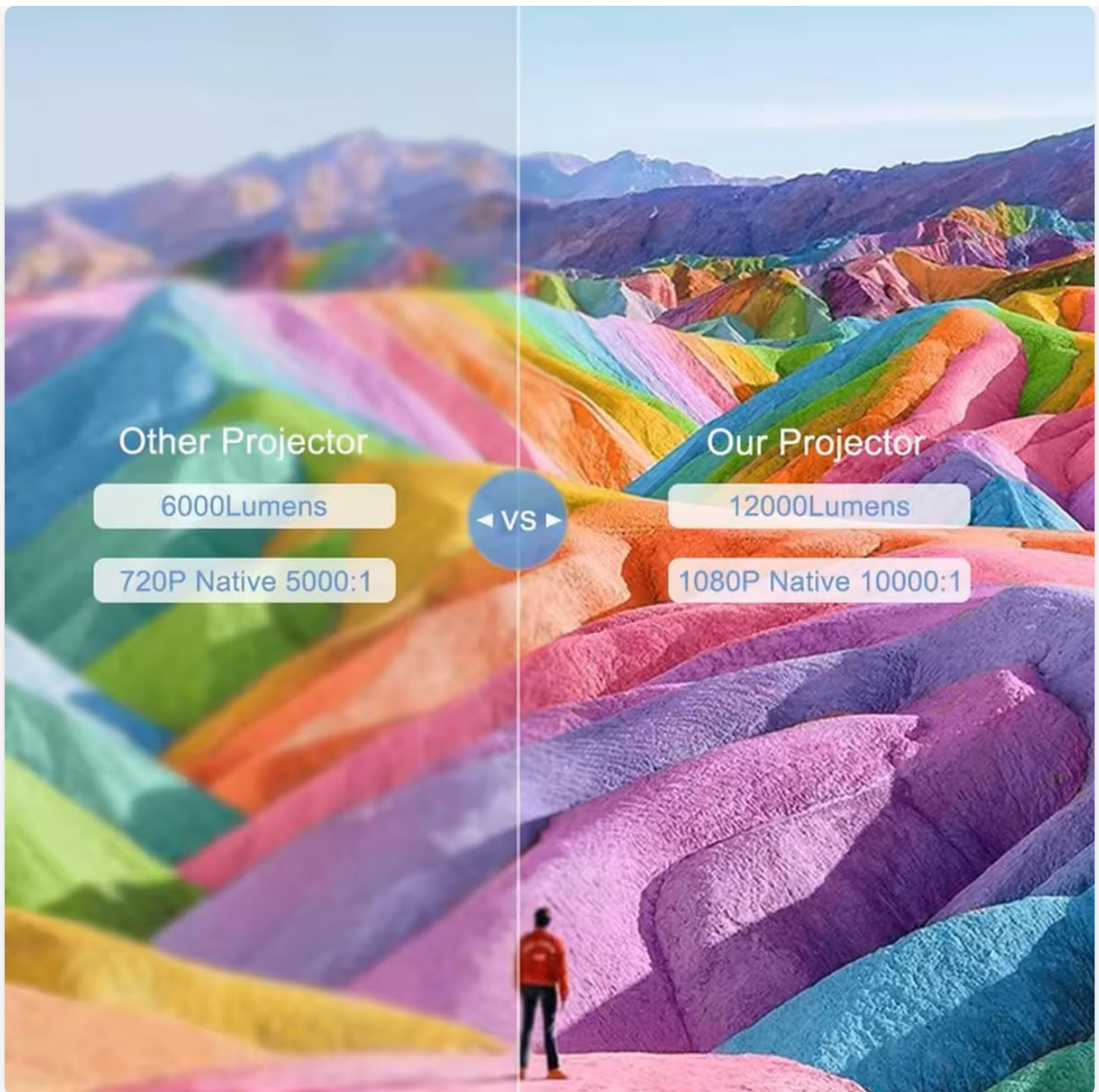


Image 3.1: Visual comparison of projector brightness and resolution.

4. SETUP GUIDE

4.1. Projector Placement

The projector can be placed in various positions to suit your viewing environment:

- **On a Desk:** Place the projector on a stable, flat surface.
- **On a Tripod:** Utilize the 6mm screw hole on the bottom for tripod mounting.
- **Ceiling Hoisting:** Mount the projector to the ceiling using a compatible hanger.



On the desk



On the tripod



Hoisting ceiling



Image 4.1: Projector placement options and mounting point.

For optimal viewing, ensure the projector is positioned perpendicular to the screen or wall. Adjust the projection distance (1.6 to 6.5 meters) to achieve your desired screen size (49 to 300 inches). A distance of 3-5 meters for a 93-150 inch screen is recommended for eye comfort.

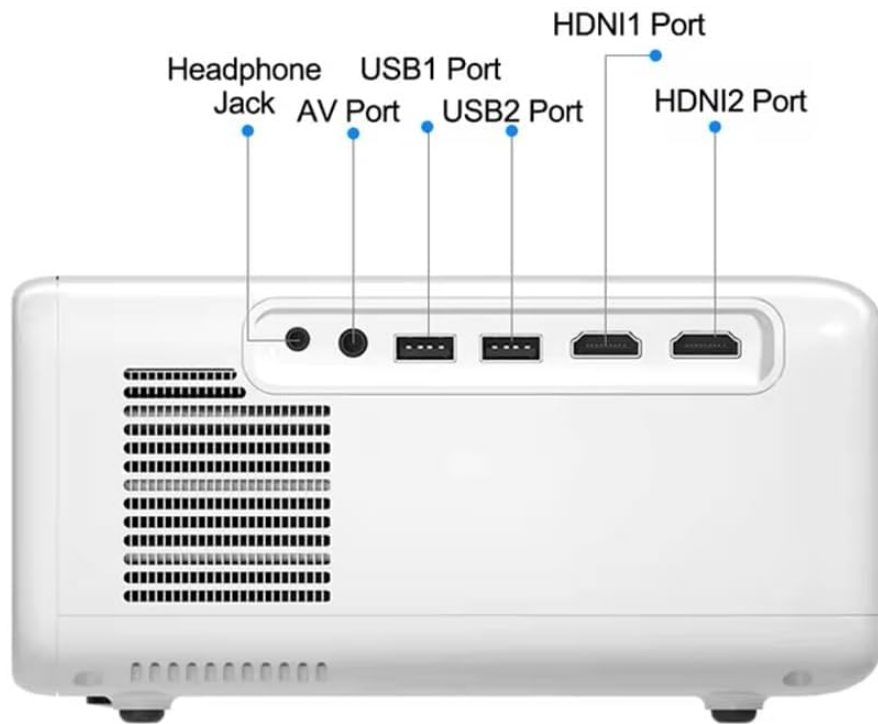
4.2. Power Connection

1. Connect the power cord to the projector's power input port.
2. Plug the other end of the power cord into a standard electrical outlet.
3. Press the power button on the projector or remote control to turn it on.

5. OPERATING INSTRUCTIONS

5.1. Multi-Media Connections

The TD93 Pro projector offers various ports for connecting external devices:



Multi-Media Connections



Image 5.1: Available multimedia connection ports.

- **HDMI Ports (HDMI1, HDMI2):** Connect devices such as TV boxes, gaming consoles (PS5, Xbox), laptops, or Blu-ray players.
- **USB Ports (USB1, USB2):** Connect USB flash drives for direct media playback (photos, videos, office documents).
- **AV Port:** Connect older devices using the provided AV cable.
- **Headphone Jack (3.5mm):** Connect external headphones or speakers.

To switch input sources, use the "Source" button on the remote control or the projector's control panel and select the desired input (HDMI1, HDMI2, AV, USB).

5.2. Wireless Connectivity

5.2.1. WiFi Connection (2.4G/5G)

The projector supports dual-band WiFi for internet access and network features:

1. Navigate to the "Settings" menu on the projector's Android interface.
2. Select "Network & Internet" and then "Wi-Fi".
3. Turn on Wi-Fi and select your desired network from the list.
4. Enter the password if prompted and connect.

5.2.2. Bluetooth Connection

Connect Bluetooth-compatible audio devices like speakers or headphones:

1. Go to "Settings" > "Connected devices" > "Bluetooth".
2. Turn on Bluetooth.
3. Put your Bluetooth device into pairing mode.
4. Select your device from the list of available devices to pair.

5.3. Screen Mirroring (Airplay/WiFi-Display)

Wirelessly display content from your Android or iOS phone:



Image 5.2: Screen mirroring from iOS and Android devices.

1. Ensure both your projector and mobile device are connected to the same Wi-Fi network.
2. On the projector's main interface, select the "Screen Mirroring" or "Airplay/WiFi-Display" application.
3. For iOS devices: Open Control Center, tap "Screen Mirroring" or "AirPlay Mirroring", and select the projector from the list.
4. For Android devices: Open the notification panel, find "Cast", "Smart View", "Wireless Display", or similar

function, and select the projector.

5.4. Image Adjustment

5.4.1. Keystone Correction (6D)

The projector features 6D keystone correction to adjust image shape:

- **Vertical Keystone:** Adjust +/- 60 degrees vertically using the remote control.
- **4-Point Corner Keystone:** Adjust each of the four corners independently by +/- 60 degrees for side projection or irregular surfaces. This allows for precise rectangular image alignment.

Access keystone settings via the projector's menu or dedicated buttons on the remote.

5.4.2. Zoom Function

Adjust the display size from 50% to 100% proportionally without moving the projector. This feature is useful for fine-tuning the image size to fit your screen or wall.

Access the zoom function through the projector's menu settings.

5.5. Android OS and App Usage

The integrated Android 9.0 OS allows you to download and install applications directly from the Play Store. Ensure the projector is connected to Wi-Fi to access online services and apps.

- **Play Store:** Access the Google Play Store to download streaming apps, games, and utilities.
- **Media Playback:** Use pre-installed media players or download alternatives (e.g., VLC player for AC3 audio support).

6. MAINTENANCE

6.1. Dust Removal

The projector is equipped with a built-in dust net for easy cleaning. Regularly clean the dust net to maintain optimal performance and prevent overheating. Press to pop out the dust net for cleaning.

6.2. Cooling System

The advanced cooling system is designed to dissipate heat efficiently and extend the lamp's lifespan. Ensure proper ventilation around the projector and avoid blocking air vents during operation.

6.3. Lamp Lifetime

The LED lamp has an estimated lifespan of 50,000 hours. No lamp replacement is typically required during the product's operational life under normal usage conditions.

7. TROUBLESHOOTING

7.1. No Image Displayed

- Check if the projector is powered on.
- Verify the input source is correctly selected (e.g., HDMI1, USB).
- Ensure all cables are securely connected.
- Adjust focus and keystone correction.

7.2. No Sound

- Check the volume level on the projector and the connected source device.
- Ensure external speakers or headphones are properly connected and powered on if used.
- If using an external source, verify its audio output settings.
- For AC3 audio, ensure you are using a compatible player like VLC.

7.3. Connectivity Issues (WiFi/Bluetooth)

- Ensure WiFi is enabled and you are connected to the correct network.
- Restart the projector and your router/Bluetooth device.
- For screen mirroring, confirm both devices are on the same Wi-Fi network.

7.4. Image is Blurry or Distorted

- Adjust the focus ring on the projector lens.
- Use the keystone correction features to correct any trapezoidal distortion.
- Ensure the projection surface is flat and smooth.

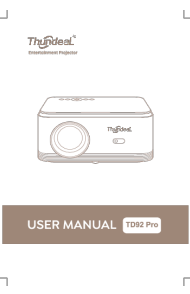

8. WARRANTY AND SUPPORT





For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.



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Related Documents - TD93 Pro

	<p>ThundeaL TD92Pro Mini Projector: Full HD 1080P, 5G WiFi, Android User Manual</p> <p>User manual for the ThundeaL TD92Pro Mini Projector, covering setup, features, specifications, operation, and troubleshooting for this Full HD 1080P device with 5G WiFi and Android OS.</p>
	<p>ThundeaL Projector Instruction Manual: Setup, Operation, and Troubleshooting</p> <p>Comprehensive instruction manual for ThundeaL projectors, covering setup, operation, connectivity (WiFi, Bluetooth), specifications, and troubleshooting.</p>

<div><div>INSTRUCTION MANUAL</div><div></div><div><small>Please read the manual carefully before operating projector.</small></div></div>	<div><div>ThundeaL Projector Instruction Manual - Models TD85W, TD85SE</div><div>Comprehensive instruction manual for the ThundeaL TD85W and TD85SE projectors, covering installation, operation, settings, troubleshooting, and specifications. Learn how to set up, connect, and use your projector for an optimal viewing experience.</div></div>
<div><div>INSTRUCTION MANUAL</div><div></div><div><small>Please read the manual carefully before operating projector.</small></div></div>	<div><div>ThundeaL TD98W Full HD 1080P Projector Instruction Manual</div><div>Comprehensive instruction manual for the ThundeaL TD98W Full HD 1080P projector, covering important safeguards, accessories, projector knowledge, installation, operation, settings, specifications, multimedia format support, and troubleshooting.</div></div>
<div><div></div></div>	<div><div>ThundeaL TD80Pro Projector User Manual and Specifications</div><div>Detailed information and user guide for the ThundeaL TD80Pro projector, covering features, specifications, and usage instructions. Includes English and Russian content merged into a primary English version.</div></div>
<div><div>INSTRUCTION MANUAL</div><div><div>TD98 Pro</div><div></div><div><small>Note: As the product system is updated from time to time, the specific operation content is based on the actual situation.</small></div><div><small>Please read the manual carefully before operating projector.</small></div></div></div>	<div><div>ThundeaL TD98 Pro Projector Instruction Manual</div><div>Comprehensive instruction manual for the ThundeaL TD98 Pro projector, covering installation, operation, settings, and troubleshooting for optimal home theater experience.</div></div>