Hisense PX3-PRO Laser Projector

Hisense PX3-PRO Laser Cinema User Manual

Model: PX3-PRO Laser Projector
Brand: Hisense

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Hisense PX3-PRO Laser Cinema. Please read this manual thoroughly before using the product to ensure proper function and longevity.



Figure 1.1: Hisense PX3-PRO Laser Projector (Front View)

Package Contents

Verify that all items are present in the package:

- Hisense PX3-PRO Laser Projector
- Power Cord
- Remote Control
- User Manual (this document)
- Cleaning Kit



Figure 1.2: Projector and Remote Control with Dimensions

2. Setup

2.1 Placement

The Hisense PX3-PRO is an Ultra Short Throw (UST) projector, designed to project a large image from a very short distance to the screen or wall. Place the projector on a stable, flat surface directly in front of your projection area. Ensure there are no obstructions between the projector's lens and the screen.

- **Projection Size:** Supports screen sizes from 80 inches to 150 inches.
- **Distance:** The projector needs to be placed only inches away from the wall or screen to achieve a large image.
- **Optimal Viewing:** For best results, use a dedicated Ambient Light Rejecting (ALR) screen, especially in rooms with ambient light.



Figure 2.1: Projector Placement for Ultra Short Throw

2.2 Connectivity

Connect your devices to the projector using the available ports on the rear panel.



Figure 2.2: Rear Panel Connectivity Ports

- **HDMI 1 & HDMI 2 (Ultra High-Speed):** Connect gaming consoles, Blu-ray players, or other HDMI-enabled devices.
- **HDMI 3 (eARC):** Connect soundbars or AV receivers for enhanced audio return channel functionality.
- **USB 2 (DC 5V 1A MAX):** For connecting USB storage devices or powering small accessories.
- **LAN:** For wired network connection.
- **Digital Audio Out (Optical):** For connecting to audio systems.
- **Headphone:** For connecting headphones.
- **AC Input:** Connect the provided power cord here.



Figure 2.3: Multiple Input Options

2.3 Initial Power On and Image Adjustment

After connecting the power cord, press the power button on the projector or remote control to turn on the device. The projector will display the initial setup screen.

- **Image Alignment:** Adjust the projector's position and use the on-screen keystone correction settings to achieve a perfectly rectangular image. The 8-point manual keystone adjustment is available for fine-tuning.
- **Focus:** Adjust the focus to ensure a sharp and clear picture.
- **Network Setup:** Follow the on-screen prompts to connect to your Wi-Fi network (Wi-Fi a/b/g/n/ac dual band supported) or use the LAN port for a wired connection.
- **Google TV Setup:** Log in with your Google account to access Google TV features and download applications.

3. Operating Instructions

3.1 Remote Control Functions

The included remote control provides full functionality for navigating the projector's interface and controlling playback.



Figure 3.1: Remote Control Layout

- **Power Button:** Turns the projector on or off.
- **Navigation Pad (OK button):** Used for menu navigation and selection.
- **Volume Up/Down:** Adjusts the audio volume.
- **Input Source:** Selects the desired input (HDMI, USB, etc.).
- **App Shortcuts:** Dedicated buttons for popular streaming services (e.g., Netflix, YouTube, Prime Video, Disney+, Tubi).
- **Google Assistant Button:** Activates voice commands via Google Assistant.
- **Menu Button:** Accesses system settings and options.

3.2 Key Features and Technologies

The Hisense PX3-PRO incorporates advanced technologies for an immersive viewing experience.

LPU Technology (TriChroma)

Experience ultra-realistic colors with the pure triple laser light source (Red, Blue, Green). Hisense LPU Technology and Pro Laser Engine deliver a super wide color gamut and high color accuracy. Real-time Pro AI Algorithms enhance brightness, fine-tune contrast, and reduce noise for superior visuals.



Figure 3.2: LPU Digital Laser Engine (TriChroma)

4K AI Upscaler

The projector supports native 4K resolution and utilizes AI upscaling to convert lower-resolution content into detailed 4K images. Powered by a DLP system with 2.07 million micromirrors, it ensures sharp visuals up to 150 inches.



Figure 3.3: 4K AI Upscaler in Action

Color Performance (BT.2020 110%)

Achieves 110% BT.2020 color gamut, providing a vast spectrum of colors for rich and realistic images. The color accuracy is rated at ΔE≈0.9.



Figure 3.4: Wide Color Gamut Performance

High Native Contrast Ratio (3000:1)

The 3000:1 native contrast ratio delivers deeper blacks and brighter whites, enhancing image depth and detail.



Figure 3.5: Native Contrast Ratio Demonstration

HDR and Dolby Vision/Atmos

Supports HDR10+, HLG, and Dolby Vision for stunning color expression and crisp images with enhanced detail. Dolby Atmos provides immersive audio.



Figure 3.6: HDR and Dolby Vision Support

IMAX Enhanced

The PX3-PRO is IMAX Enhanced certified, delivering signature IMAX picture quality and DTS-powered audio for a cinematic experience at home.



Figure 3.7: IMAX Enhanced Experience

240 High Refresh Rate (Designed for Xbox)

For gaming enthusiasts, the projector offers a 240Hz high refresh rate and Auto Low Latency Mode (ALLM), ensuring smooth, lag-free gaming, especially when paired with Xbox consoles.



Figure 3.8: Immersive Gaming with High Refresh Rate

Harman Kardon Speakers

Equipped with built-in 50-watt front-firing Harman Kardon speakers, combined with Dolby Atmos, for dynamic and immersive audio that complements the on-screen action.



Figure 3.9: Harman Kardon Audio System

Google TV

The integrated Google TV platform provides access to a vast library of streaming content, including Netflix, Amazon Prime Video, Disney+, Hulu, YouTube, and more. Organize your favorite apps and discover new content easily.

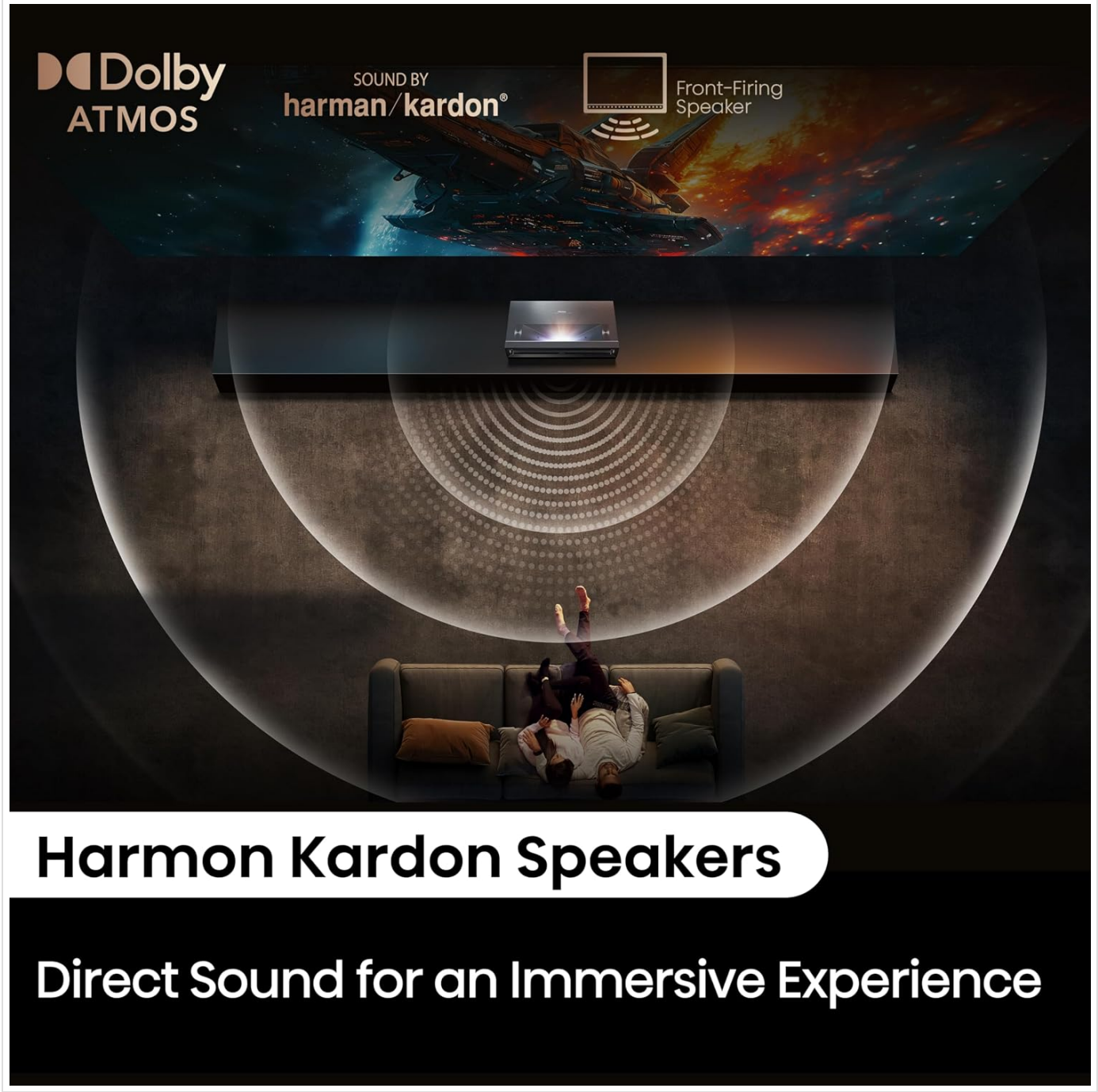


Figure 3.10: Google TV Interface

4. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your projector.

- **Lens Cleaning:** Use the provided cleaning kit or a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens to remove dust or smudges. Avoid abrasive materials or harsh chemicals.
- **Exterior Cleaning:** Wipe the exterior surfaces of the projector with a soft, dry cloth. Do not use liquid cleaners directly on the device.
- **Ventilation:** Ensure that the ventilation grilles on the projector are not blocked. Adequate airflow is crucial to prevent overheating. Do not place the projector in an enclosed space without proper ventilation.
- **Storage:** When not in use for extended periods, store the projector in a cool, dry place, protected from dust and direct sunlight.

5. Troubleshooting

This section addresses common issues you might encounter with your Hisense PX3-PRO Laser Cinema.

Problem	Possible Cause	Solution
No image or "No Signal" message	Incorrect input source selected; loose cable connection; device not powered on.	Verify the correct input source is selected on the projector. Check all HDMI/USB cables are securely connected to both the projector and the source device. Ensure the source device is powered on.
Image is blurry or out of focus	Focus adjustment needed; dirty lens.	Adjust the focus using the remote control or on-screen menu. Clean the projector lens with the provided cleaning kit.
Image is distorted (trapezoid shape)	Projector not perpendicular to the screen; keystone correction needed.	Adjust the physical position of the projector to be as perpendicular as possible to the screen. Use the keystone correction settings in the projector menu to manually adjust the image shape.
No sound or low volume	Volume too low; incorrect audio output setting; external audio system issues.	Increase the volume on the projector and any connected audio devices. Check the audio output settings on the projector to ensure sound is routed correctly (e.g., internal speakers, eARC, optical). If using an external sound system, ensure it is powered on and correctly configured.
Projector turns on by itself	Scheduled power-on setting; external device signal; software anomaly.	Check for any scheduled power-on settings in the projector's menu and disable them if unintended. Disconnect HDMI-CEC enabled devices one by one to identify if an external device is triggering the power-on. Perform a factory reset if the issue persists (note: this will erase all custom settings).
Poor color accuracy	Picture mode settings; environmental factors.	Adjust picture mode settings (e.g., Standard, Cinema, Game) and fine-tune color, tint, and saturation. Ensure the viewing environment has controlled lighting, as ambient light can affect perceived color.

6. Specifications

Detailed technical specifications for the Hisense PX3-PRO Laser Cinema.

Feature	Detail
Model Number	PX3-PRO Laser Projector
Display Resolution	3840 x 2160 (4K UHD)

Feature	Detail
Projection Technology	LPU Technology (TriChroma Triple Laser)
Brightness	3,000 Lumens (ANSI)
Native Contrast Ratio	3000:1
Color Gamut	110% BT.2020
Projection Size	80" – 150" (Diagonal)
Refresh Rate	Up to 240Hz (High Refresh Rate)
HDR Support	Dolby Vision, HDR10+, HLG
Audio Technology	Dolby Atmos, Harman Kardon Speakers (50-watt front-firing)
Smart TV Platform	Google TV
Connectivity	Bluetooth, Ethernet, HDMI (3 ports, including eARC), USB (1 port), Wi-Fi (a/b/g/n/ac dual band)
Dimensions (W x D x H)	21.7 x 11.7 x 4.8 inches
Weight	19.8 pounds
Lamp Life	25,000+ hours (TriChroma durable technology)
Special Features	Ultra Short Throw, 4K AI Upscaler, IMAX Enhanced, Active 3D, Designed for Xbox (ALLM)

7. Warranty and Support

For warranty information and technical support, please refer to the official Hisense website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.
You can visit the official Hisense store for more information:Hisense Official Store

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