

BenQ HT3550

BenQ HT3550 4K Home Theater Projector User Manual

Model: HT3550 | Brand: BenQ

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your BenQ HT3550 4K Home Theater Projector. The HT3550 is designed to deliver a cinematic experience with true 4K UHD resolution, HDR10, and HLG support, and 95% DCI-P3 color accuracy.

2. KEY FEATURES

- **True 4K Projector:** Features 3840 × 2160 resolution with 8.3 million individual pixels for incredible clarity and detailed images.
- **Cinematic Color Technology:** Factory calibrated for color accuracy with DCI-P3 color space, offering a wider visible spectrum than Rec. 709.
- **HDR-PRO Tone Mapping:** Enhances contrast for professionally detailed 4K content, providing a true cinema experience.
- **10-Element Lens Array:** Specialized all-glass lens grouping ensures optimal light penetration, sharpness, color, quality, and clarity.
- **Installation Flexibility:** Vertical lens shift (5%) and a short throw with 1.3x big zoom lens allow for a 100-inch image from 8.2 feet, suitable for various room sizes.
- **Industry Leading Warranty:** BenQ offers a 3-year limited parts and labor coverage, supported by a US-based customer service team.
- **DLP Technology:** Utilizes DLP technology, found in 90% of the world's cinemas, for a longer-lasting, slimmer design, and sharper image.

3. SETUP

3.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all accessories listed in the "What's in the Box" section are present. Inspect the projector for any signs of damage during transit.

- Remote Control w/ Battery

- Power Cord
- User Manual CD
- Quick Start Guide
- Warranty Card
- Lens cover

3.2 Placement and Connection

Position the projector on a stable surface or mount it securely. Ensure adequate ventilation around the unit. Connect your video sources (e.g., Blu-ray player, streaming device) to the HDMI inputs. The projector features two HDMI 2.0b/ HDCP2.2 ports.



Figure 3.2.1: Front-side view of the BenQ HT3550 projector, highlighting its compact design and lens.



Figure 3.2.2: Rear view of the BenQ HT3550 projector, showing the various input and output ports including HDMI, USB, and audio out.

For optimal image quality, use high-quality HDMI cables. The projector also includes USB Type A ports for power (5V/2.5A) and media reading/firmware updates, and a USB Type mini B for firmware updates and service.

3.3 Image Adjustment

Utilize the lens shift and zoom features to fine-tune the image position and size without moving the projector. The vertical lens

shift allows for up to +10% adjustment in one direction. Keystone adjustment (± 30 degrees auto vertical) can correct trapezoidal image distortion.



Figure 3.3.1: Top view of the BenQ HT3550 projector, showing the focus, zoom, and lens shift controls, along with the power and navigation buttons.

The projector supports clear image sizes from 40 to 200 inches diagonally, with an optimal throw ratio of 1.13 - 1.47 (100" @ 8.2 feet).

Your browser does not support the video tag.

Video 3.3.1: An overview of the BenQ HT3550 4K Home Theater Projector, demonstrating its key features including 4K UHD resolution, lens array, HDR-PRO, DCI-P3 color, and flexible installation options like lens shift and zoom. This video is provided by the seller.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the power button on the projector or the remote control to turn the unit on or off. Allow a few moments for the projector to warm up or cool down.

4.2 Picture Modes

The HT3550 offers various picture modes to optimize viewing for different content and environments:

- **Bright:** For environments with ambient light.
- **Vivid TV:** Enhances colors for TV content.
- **Cinema (Rec. 709):** Standard cinema mode, calibrated to Rec. 709.
- **D. Cinema:** Optimized for DCI-P3 color space, providing richer, more accurate colors for cinematic content.
- **Silence:** Reduces fan noise for quiet viewing.
- **User 1:** Customizable settings, including HDR, HLG, ISF Night, ISF Day, and 3D modes.

The projector supports 100% Rec.709 coverage and 95% DCI-P3 coverage for accurate color reproduction.

4.3 Audio Settings

The BenQ HT3550 features two 5W chamber speakers. For enhanced audio, connect external audio systems via the Audio out (S/PDIF) port.

5. SPECIFICATIONS

Category	Specification
----------	---------------

Category	Specification
Resolution	4K UHD (3840 x 2160)
Brightness (ANSI lumens)	2000 ANSI Lumens
Contrast Ratio (FOFO)	30,000:1
Speaker	Chamber Speaker 5W x 2
Projection System	DLP
Display Color	30 Bits (1.07 billion colors)
Native Aspect Ratio	Native 16:9
Light Source	Lamp (245W)
Light Source Life	Normal 4,000 hours, Economic 10,000 hours, SmartEco® 15,000 hours
Throw Ratio	1.13 - 1.47 (100" @ 8.2 feet)
Zoom Ratio	1.3X
Lens Shift	Vertical up to +10% (one direction only)
Keystone Adjustment	Auto Vertical ± 30 degrees
Clear Image Size (Diagonal)	40"~200"
DCI-P3 Coverage	95%
Rec.709 Coverage	100%
HDMI	X2 HDMI (2.0b/HDCP2.2)
USB Type A	X1 (5V/2.5A power), X1 (Media Reader, FW download)
USB Type mini B	X1 (FW download, service)
Audio out (S/PDIF)	Yes
DC 12V Trigger (3.5mm Jack)	X1 (3.5mm Jack)
Motion Enhancer (MEMC)	Yes
3D Compatibility	Yes (1080p)
Power Consumption	Max 350W, Normal 340W, Eco 280W
Acoustic Noise (Typ./Eco.)	30/28dBA (Silence mode)
Dimensions (W x H x D)	380 x 127 x 263 mm (14.96 x 5 x 10.35 inches)
Net Weight	4.2 kg / 9.2 lbs

6. MAINTENANCE

6.1 Lamp Life and Replacement

The projector lamp has an estimated life of 4,000 hours in Normal mode, 10,000 hours in Economic mode, and up to 15,000 hours

in SmartEco® mode. When the lamp reaches the end of its life, a warning message will appear. Refer to the full user manual for detailed lamp replacement instructions. A spare lamp kit (5J.JKC05.001) is available as an optional accessory.

6.2 Cleaning

Regularly clean the projector lens with a soft, lint-free cloth designed for optical surfaces. Use a soft brush or compressed air to remove dust from the vents. Do not use abrasive cleaners or solvents.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your BenQ HT3550 projector. For more detailed troubleshooting, please consult the full user manual.

7.1 No Image Displayed

- Ensure the projector is powered on and the power indicator light is solid.
- Check all cable connections (HDMI, power) to ensure they are secure.
- Verify that the correct input source is selected on the projector. Use the "Source" button on the remote or projector.
- Confirm that your source device (e.g., Blu-ray player, PC) is powered on and outputting a signal.

7.2 Image is Blurry or Distorted

- Adjust the focus ring on the projector lens until the image is sharp.
- Use the keystone correction feature to square the image if it appears trapezoidal.
- Ensure the projector is placed at the correct distance from the screen for the desired image size.
- Clean the projector lens if smudges or dust are visible.

7.3 No Audio

- Check the volume level on the projector and the source device.
- Ensure that the audio output settings on your source device are correctly configured for HDMI audio.
- If using external speakers, verify their connection to the projector's audio output or directly to the source device.

8. WARRANTY AND SUPPORT

The BenQ HT3550 projector comes with an industry-leading 3-year limited parts and labor warranty. For technical support, service, or warranty claims, please contact BenQ's US-based customer service team. Refer to the warranty card included with your product for specific terms and conditions.

9. ADDITIONAL RESOURCES

For more detailed information, including advanced settings, installation guides, and comprehensive troubleshooting, please refer to the complete Installation Manual (PDF) available online:

[Download Full Installation Manual \(PDF\)](#)

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question