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> BenQ GV50 Laser Portable Projector User Manual

## BenQ GV50

# BenQ GV50 Laser Portable Projector User Manual

Model: GV50 | Brand: BenQ

## 1. INTRODUCTION

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This manual provides detailed instructions for the safe and efficient operation of your BenQ GV50 Laser Portable Projector. Please read this manual thoroughly before using the projector and retain it for future reference.



Figure 1.1: BenQ GV50 Laser Portable Projector. This image shows the compact, cylindrical design of the projector with its speaker grille and lens.

## 2. SAFETY INFORMATION

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To ensure safe operation and prevent damage, observe the following precautions:

- Do not block ventilation openings.

- Do not expose the projector to rain or moisture.
- Avoid looking directly into the projector lens when the lamp is on.
- Use only accessories specified by the manufacturer.
- Disconnect the power cord during lightning storms or when unused for long periods.

## 3. PRODUCT OVERVIEW

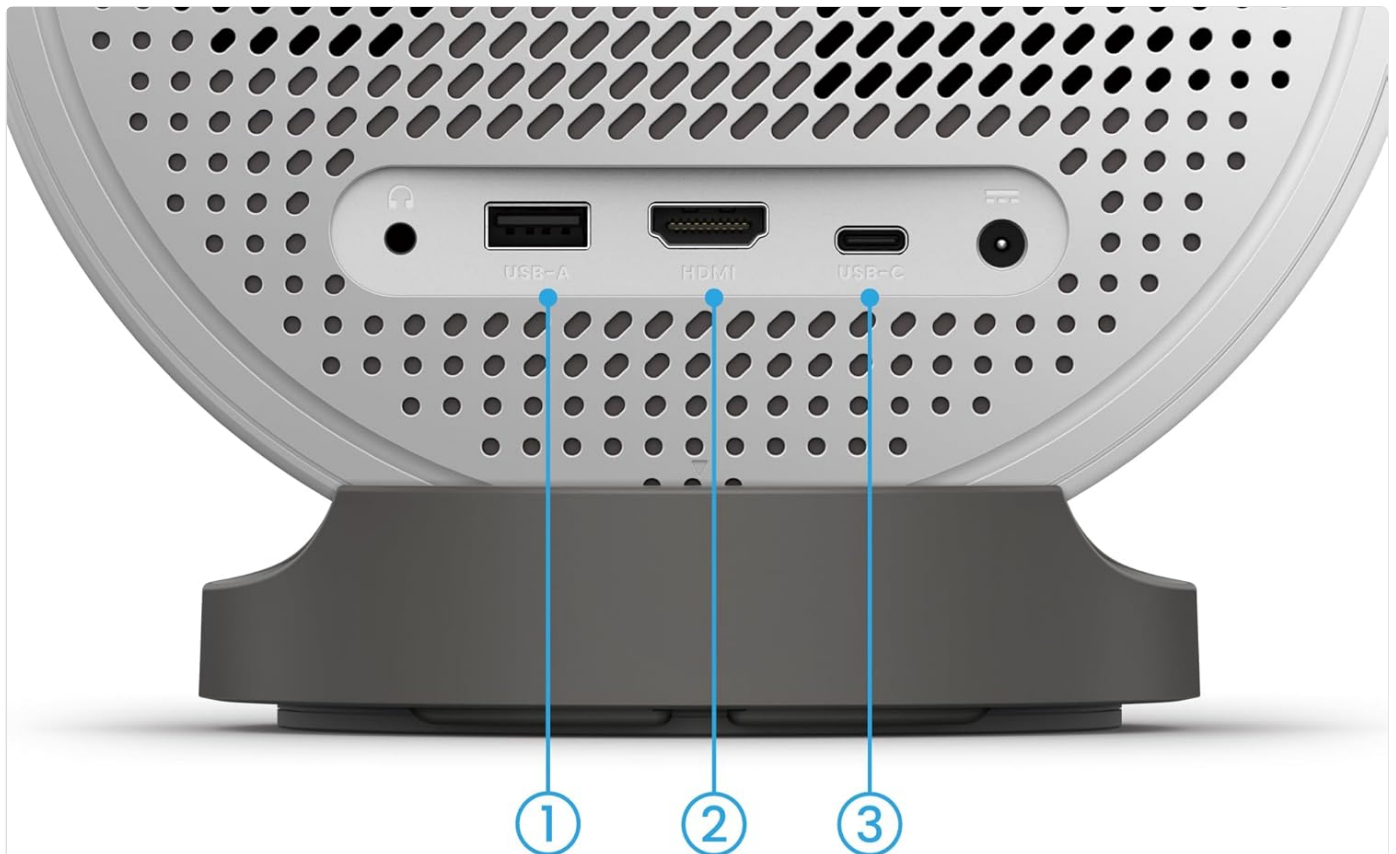
### 3.1 Package Contents

Verify that all items are present in the package:

- BenQ GV50 Laser Portable Projector
- Power Adapter
- Remote Control
- Quick Start Guide

### 3.2 Projector Components and Ports

Familiarize yourself with the various components and connection ports of your GV50 projector.



① USB-A (2.0/Power Supply1.0A/Reader)

② HDMI (2.0b/HDCP2.3)

③ USB-C (Display Port/ PD in & out/Reader)

Figure 3.1: Rear view of the BenQ GV50 Projector showing its connectivity options.

1. **USB-A (2.0/Power Supply 1.0A/Reader):** For connecting USB storage devices or powering external accessories.
2. **HDMI (2.0b/HDCP2.3):** For connecting external video sources such as laptops, gaming consoles, or Blu-ray players.
3. **USB-C (Display Port/PD in & out/Reader):** A versatile port for video input (DisplayPort Alt Mode), power delivery (in and out), and data transfer.

## 4. SETUP

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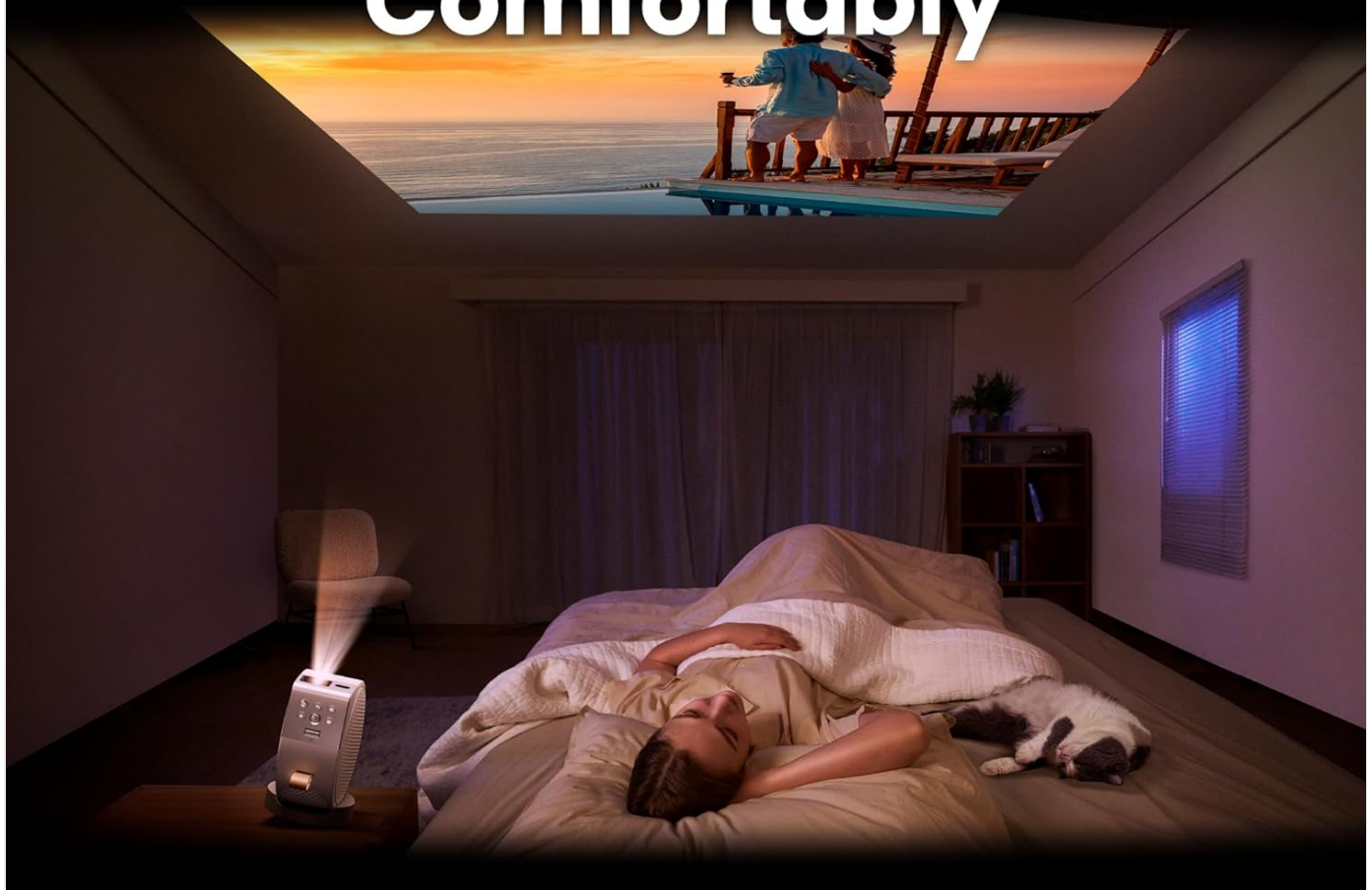
### 4.1 Powering On and Initial Setup

1. Connect the power adapter to the projector and a power outlet.
2. Press the power button on the projector or remote control to turn it on.
3. Follow the on-screen instructions to complete the initial Google TV setup, including network connection and Google account login.

### 4.2 Placement and Projection Adjustment

The BenQ GV50 offers flexible placement options and automatic adjustments for optimal viewing.

# Lying Free and Comfortably



**Tilt Base**  
for Front-Facing  
View from Bedside

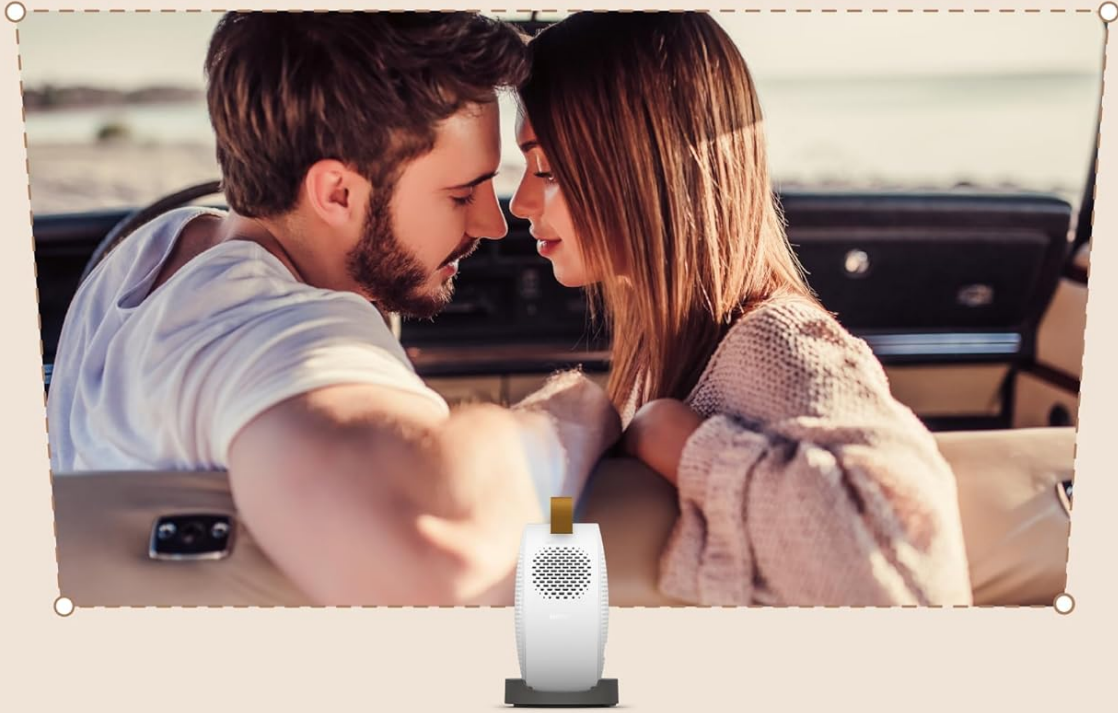
**135°**  
Ceiling Projection

**View**  
from Bedside

Figure 4.1: The GV50's flexible tilt base allows for 135° ceiling projection, ideal for comfortable viewing from a bedside position.

- **Flexible Base Design:** The projector features a two-stage tilt base, allowing for 135° vertical and 360° horizontal adjustments, making it suitable for ceiling projection or various angles.
- **Auto Focus:** The projector automatically adjusts the image clarity.
- **Auto 2D Keystone Correction:** Automatically corrects distorted images to ensure a perfectly rectangular projection, even when the projector is not perfectly aligned with the screen.
- **Auto Rotation:** Adjusts the image orientation based on the projector's position.
- **Obstacle Avoidance & Screen Fit:** The projector can detect obstacles in the projection path and automatically adjust the image size to fit the available screen area.

# Hassle-Free Screen Adaption



Auto Focus



Auto 2D Keystone  
Correction



Obstacle  
Avoidance



Screen Fit

Figure 4.2: Illustration of the automatic screen adaptation features, including auto focus, 2D keystone correction, obstacle avoidance, and screen fit.

# Adjust the View You Like



Digital Zoom



Image Rotation



Digital Lens  
Shift

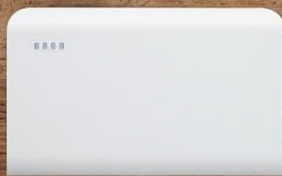
Figure 4.3: Manual adjustment options for the projected image, including digital zoom, image rotation, and digital lens shift.

## 5. OPERATING THE PROJECTOR

### 5.1 Connecting External Devices

- **HDMI:** Connect an HDMI cable from your device (e.g., laptop, game console) to the HDMI port on the projector.
- **USB-C:** Use a USB-C cable for video input (DisplayPort Alt Mode) from compatible devices.
- **USB-A:** Insert USB flash drives for media playback.
- **Bluetooth:** The projector supports Bluetooth connectivity for audio output to external speakers or headphones, and can also function as a Bluetooth speaker itself.

# Stay Connected and Mobile



**2.5 Hours**  
Battery Life

**DP Alt mode**  
USB-C

**PD in/out**  
USB-C

Figure 5.1: The GV50 offers various connectivity options including USB-C (DP Alt mode, PD in/out) and USB-A, alongside its portable design with up to 2.5 hours of battery life.

## 5.2 Using Google TV and Streaming Services

The BenQ GV50 comes with built-in Google TV, providing access to a wide range of streaming content.

# Built-in Google TV and Certified Netflix



Figure 5.2: The projector features built-in Google TV with certified Netflix, Google Assistant, AirPlay, and Chromecast support.

- **Certified Netflix:** Access Netflix directly from the Google TV interface.
- **Google Assistant:** Use voice commands for navigation and content search.
- **AirPlay & Chromecast:** Cast content wirelessly from compatible devices.

## 5.3 Audio Features

The GV50 is equipped with a powerful audio system for an immersive experience.

# Rich Audio in a Compact One



Figure 5.3: The GV50 features a 270-degree 18W Bluetooth speaker with dual 5W tweeters and an 8W woofer for enhanced bass, supporting Dolby Audio.

- **Integrated Speaker:** 270-degree 18W Bluetooth speaker with dual 5W tweeters and an 8W woofer for rich bass.
- **Dolby Audio:** Supports Dolby Audio for enhanced sound quality.
- **Bluetooth Speaker Mode:** Use the projector as a standalone Bluetooth speaker.

## 5.4 Remote Control and App

Control your projector using the included remote control or the dedicated BenQ Projector App.

# SmartRemote für die BenQ Projektor-App

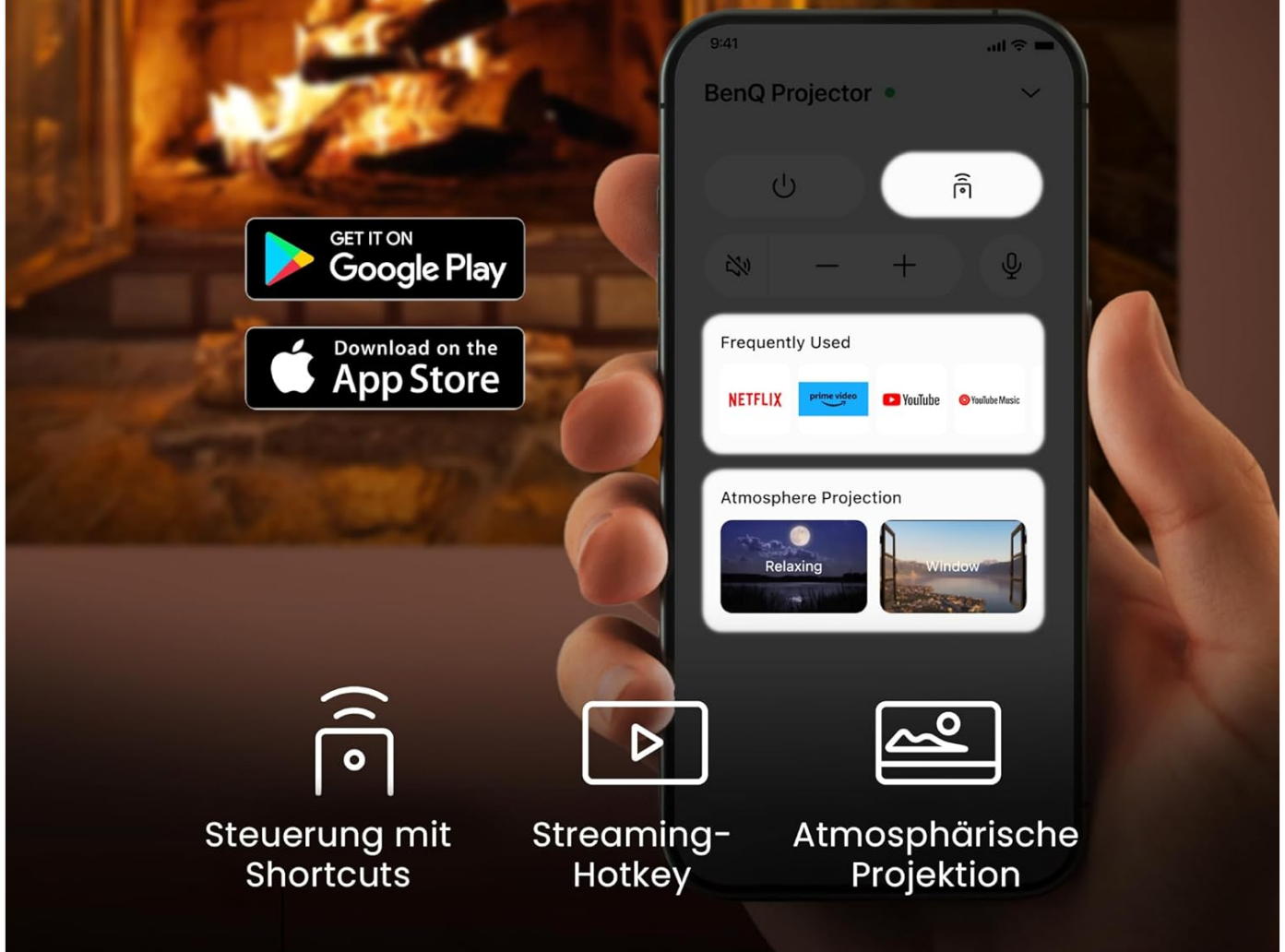


Figure 5.4: The BenQ Projector App provides smart remote functionality with shortcuts and streaming hotkeys, available on Google Play and the App Store.

## 6. MAINTENANCE

### 6.1 Cleaning

- **Projector Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive cleaners.
- **Projector Casing:** Wipe with a soft, dry cloth. For stubborn marks, slightly dampen the cloth with water.
- **Ventilation Openings:** Periodically clean dust from the ventilation openings using a soft brush or compressed air to ensure proper airflow.

### 6.2 Storage

When not in use for extended periods, store the projector in a cool, dry place, away from direct sunlight and extreme temperatures. Use the original packaging or a protective case to prevent dust accumulation and physical damage.

## 7. TROUBLESHOOTING

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If you encounter issues with your BenQ GV50 projector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image displayed	Power cable loose; Input source not selected; Device not connected	Check power connection; Select correct input source (HDMI, USB-C); Ensure device is properly connected.
Image is blurry	Out of focus; Projector moved	Allow auto-focus to adjust; Manually adjust focus if needed via settings.
Image is distorted (trapezoid)	Projector not perpendicular to screen	Allow auto-keystone correction to adjust; Manually adjust keystone in settings.
No sound	Volume too low; Muted; External audio device connected	Increase volume; Unmute; Disconnect external audio or select internal speaker.
Remote control not working	Batteries low/dead; Obstruction; Not paired	Replace batteries; Remove obstruction; Re-pair remote if necessary.

If the problem persists after trying these solutions, please contact BenQ customer support.

## 8. SPECIFICATIONS

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Key technical specifications for the BenQ GV50 Laser Portable Projector:

- **Brand:** BenQ
- **Recommended Uses:** Business, Education, Gaming, Home Cinema
- **Special Features:** Auto Focus, Auto Obstacle Avoidance, Auto Screen Alignment, Built-In Speaker, Portable
- **Connectivity Technology:** Bluetooth, HDMI, USB, Wi-Fi
- **Display Resolution:** 1920 x 1080 (Native 1080p, 4K Supported)
- **Light Source:** Laser
- **Brightness:** 500 ANSI Lumens
- **Color Gamut:** 98% Rec.709
- **Audio:** 270-degree 18W Bluetooth speaker (dual 5W tweeters, 8W woofer), Dolby Audio
- **Operating System:** Google TV

# Enjoy Laser Stunning Visuals



**1080P** resolution   **LASER** light source   **500** ANSI lumens   **92%** REC 709 color   **100,000:1** high point contrast   **HDR10**

Figure 8.1: The GV50 delivers stunning visuals with 1080p resolution, a laser light source, 500 ANSI lumens, 92% REC 709 color, 100,000:1 contrast, and HDR10 support.

## 9. WARRANTY AND SUPPORT

BenQ products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official BenQ website.

For technical support, troubleshooting assistance, or service inquiries, please contact BenQ customer support through their official channels. Keep your product's serial number and proof of purchase ready when contacting support.

