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## GAOHAILONG U80 PLUS

# GAOHAILONG UHAPPY WIFI HD Mini Projector User Manual

**MODEL: U80 PLUS**

Your guide to setting up, operating, and maintaining your GAOHAILONG UHAPPY Projector.

## 1. Important Safety Instructions

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

- **Power Supply:** Use only the specified power adapter. Ensure the voltage matches the projector's requirements.
- **Ventilation:** Do not block ventilation openings. Ensure adequate space around the projector for proper airflow to prevent overheating.
- **Placement:** Place the projector on a stable, flat surface. Avoid placing it in direct sunlight, near heat sources, or in environments with high humidity or dust.
- **Cleaning:** Unplug the projector before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Servicing:** Do not attempt to repair this product yourself. Refer all servicing to qualified service personnel.
- **Eye Protection:** Do not look directly into the projector lens when the lamp is on, as the bright light can cause eye damage.

## 2. Product Overview

The GAOHAILONG UHAPPY WIFI HD Mini Projector is a portable multimedia projector designed for

home entertainment and presentations. It features built-in Wi-Fi, Bluetooth, and supports various input sources including HDMI, VGA, USB, SD card, and AV.



**Figure 2.1:** Front view of the GAOHAILONG UHAPPY Projector, showing the main lens and the "UhAPPY" logo.



**Figure 2.2:** Angled view of the projector, highlighting the USB, VGA, and power input ports on the side.

### **Package Contents:**

- GAOHAILONG UHAPPY Projector
- Remote Control
- Power Cable
- AV Cable
- User Manual



**Figure 2.3:** The projector alongside its box, remote control, power cable, and AV cable, illustrating the typical package contents.

### 3. Product Components and Controls

Familiarize yourself with the various parts and controls of your projector.



**Figure 3.1:** Detailed diagram showing the location and labels of all ports and control buttons on the projector, including SD card slot, HDMI, IR receiver, AV, TV antenna, 3.5mm audio out, Keystone adjustment, USB, VGA, and power port. Also shown are the top panel buttons: Power key, Menu key, Back key, OK key, UP/DOWN/LEFT/RIGHT keys, and ZOOM control.

### Front Panel:

- **Lens:** Projects the image.

### Side/Rear Panels:

- **SD Card Slot:** For inserting SD memory cards.
- **HDMI Port:** Connects to HDMI-enabled devices (laptops, game consoles, Blu-ray players).
- **IR Receiver:** For remote control signals.
- **AV Port:** Connects to devices using RCA (composite) cables.
- **TV Antenna Port:** For connecting a TV antenna.
- **3.5mm Audio Out:** For connecting external speakers or headphones.
- **Keystone Adjustment:** Manual adjustment for correcting trapezoidal image distortion.
- **USB Port:** For connecting USB storage devices (flash drives, external hard drives).
- **VGA Port:** Connects to computers with VGA output.
- **Power Port:** Connects the power cable.

### Top Panel Controls:

- **Power Key:** Turns the projector on/off.
- **Menu Key:** Accesses the main menu.
- **Back Key:** Returns to the previous screen/menu.
- **OK Key:** Confirms selection.

- **UP/DOWN/LEFT/RIGHT Keys:** Navigation buttons.
- **ZOOM Control:** Adjusts image zoom (digital zoom).



**Figure 3.2:** Rear view of the projector, showing the focus ring around the lens and the keystone correction wheel for image adjustment.

## 4. Setup Guide

### 4.1 Projector Placement

Choose a flat, stable surface for your projector. The distance from the screen will determine the projected image size. Ensure the projector is centered with the screen for optimal image quality.



## Projector distance and size

**Figure 4.1:** Illustration demonstrating the relationship between projector distance and screen size. For example, a

1.2M distance yields a 37-inch screen, while 3.8M can produce a 130-inch screen.

## 4.2 Power Connection

1. Connect the power cable to the projector's power port.
2. Plug the other end of the power cable into a wall outlet.
3. The power indicator light on the projector will illuminate.

## 4.3 Initial Power On

1. Press the Power key on the projector or the remote control to turn on the projector.
2. Allow a few moments for the projector to warm up and display the main interface.

## 4.4 Focus and Keystone Adjustment

- **Focus:** Rotate the focus ring around the lens until the projected image is clear and sharp.
- **Keystone:** If the projected image appears trapezoidal (wider at the top or bottom), use the keystone adjustment wheel to correct the distortion until the image is rectangular.

## 5. Operating Instructions

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### 5.1 Connecting Devices

The projector supports a wide range of devices. Ensure the projector is off before connecting or disconnecting devices.



## Compatible with a variety of equipment

**Figure 5.1:** An illustration depicting the projector's compatibility with various devices, including laptops, PCs, USB memory sticks, phones, PS4, TV boxes, and Xbox 360.

- **HDMI:** Connect an HDMI cable from your device (e.g., laptop, game console, Blu-ray player) to the projector's HDMI port.
- **VGA:** Connect a VGA cable from your computer to the projector's VGA port.
- **USB:** Insert a USB flash drive or external hard drive into the USB port to play media files directly.
- **SD Card:** Insert an SD card into the SD card slot to play media files.
- **AV:** Use the provided AV cable to connect to devices with RCA output (e.g., older DVD players, set-top boxes).
- **TV Antenna:** Connect a coaxial cable from a TV antenna to the TV port to receive broadcast channels.

### 5.2 Input Source Selection

After connecting a device, you need to select the corresponding input source:

1. Press the "Source" or "Input" button on the remote control or the projector's control panel.
2. Use the navigation keys to select the desired input source (e.g., HDMI1, VGA, USB, AV, TV).
3. Press "OK" to confirm your selection.

### 5.3 Wi-Fi Connectivity (Screen Mirroring)

The projector supports Wi-Fi for screen mirroring from compatible devices (Android, iOS, Windows).



**Figure 5.2:** A diagram illustrating the Wi-Fi Cast Screen feature, showing how Android, iOS, and Windows devices can wirelessly connect and mirror their screens to the projector.

1. Navigate to the "Wi-Fi" or "Screen Mirroring" option in the projector's main menu.
2. Ensure your mobile device or computer is connected to the same Wi-Fi network as the projector (if applicable, or follow direct connection instructions).
3. On your device, enable screen mirroring/casting (e.g., "Smart View" on Android, "Screen Mirroring" on iOS, "Connect" on Windows).
4. Select the projector from the list of available devices.

### 5.4 Bluetooth Connectivity

Connect Bluetooth audio devices like speakers or headphones to the projector.

1. Go to the "Bluetooth" settings in the projector's menu.
2. Enable Bluetooth and put your audio device into pairing mode.
3. Select your device from the list of available Bluetooth devices on the projector.
4. Confirm pairing.

## 6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your projector.

- **Lens Cleaning:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens to remove dust or smudges. Do not use abrasive cleaners.
- **Projector Body Cleaning:** Wipe the exterior of the projector with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water, then wipe dry.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris. Use a soft brush or compressed air to gently clean them.
- **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.

## 7. Troubleshooting

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

Problem	Possible Cause	Solution
No Power	Power cable not connected; Power outlet faulty; Projector off.	Ensure power cable is securely connected. Try a different power outlet. Press the Power button.
No Image	Incorrect input source selected; Device not connected properly; Device output issue.	Select the correct input source. Check all cable connections. Ensure the source device is on and outputting video.
Blurry Image	Focus not adjusted; Keystone not adjusted; Projector too far/close.	Adjust the focus ring. Adjust the keystone correction. Move the projector closer or further from the screen.
No Sound	Volume too low; Muted; External audio device not connected/selected.	Increase volume on projector and source device. Check if muted. Ensure external speakers are connected and selected if used.
Remote Control Not Working	Batteries low/dead; Obstruction; Remote not pointed at IR receiver.	Replace batteries. Remove any obstructions. Point remote directly at the projector's IR receiver.

## 8. Specifications

Feature	Detail
Brand	GAOHAILONG
Model Series	U80 PLUS
Native Resolution	800 x 480
Max Supported Resolution	1920 x 1080 (1080P)
Brightness	1000 Lumen
Display Type	LCD
Connectivity Technology	VGA, Bluetooth, USB, HDMI, Wi-Fi, AV, SD Card, TV
Form Factor	Portable
Item Weight	1.4 kg
Voltage	240 Volts
Controller Type	Remote Control
Special Features	USB Connectivity, Built-In Wi-Fi

## 9. Warranty and Support

This product is covered by a standard manufacturer's warranty. Please refer to your purchase documentation for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.