**iRulu BL-20**

# iRULU Multimedia Portable LED Video Projector User Manual

Model: BL-20 (#20) | Brand: iRULU

## 1. INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation of your iRULU Multimedia Portable LED Video Projector. Please read this manual thoroughly before using the product and retain it for future reference. This projector is designed for home cinema, gaming, and various multimedia applications, offering a large projection screen size and multiple connectivity options.

## 2. SAFETY INFORMATION

- **Power Supply:** Use only the specified power adapter (AC100V-240V, 50Hz/60Hz). Ensure the power cord is not damaged or pinched.

- **Ventilation:** Do not block the ventilation openings. Adequate airflow is crucial to prevent overheating. Maintain at least 30cm clearance around the projector.

- **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.

- **Handling:** Do not drop or subject the projector to strong impacts. Avoid looking directly into the lens when the projector is on, as the bright light can cause eye strain.

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth for the exterior. For the lens, use a specialized lens cleaning cloth.

- **Repairs:** Do not attempt to disassemble or repair the projector yourself. Refer all servicing to qualified personnel.

## 3. PACKAGE CONTENTS

Please check the box for the following items:

- iRULU 2600 Lumens Projector (1)

- Remote Control (1)

- Power Cable (1)

- RCA Connector Cable (1)
- Replacement Fuses (2)
- Cleaning Cloth (1)
- Screws (4)
- Silicone Lens Cap (1)
- Instruction Manual (1)

## 4. PRODUCT OVERVIEW



*Front and side view of the iRULU projector, highlighting its white casing, ventilation grilles, and large projection lens.*



*Top view of the iRULU projector, showing the manual focus/keystone adjustment lever and control buttons.*

### 4.1. Front and Top Panel

- **Projection Lens:** The primary component for image projection.
- **Focus Adjustment:** A lever located on the top panel to manually adjust image sharpness.
- **Keystone Correction:** A lever near the focus adjustment to correct trapezoidal distortion of the image.
- **Control Buttons:** Basic operational buttons (Power, Menu, Source, Navigation) on the top panel for direct control.
- **Ventilation Grilles:** Located on the sides and front, essential for heat dissipation.

### 4.2. Rear Panel Interfaces

*Detailed view of the projector's rear panel, labeling all input and output ports including USB, HDMI, TV/DTV, VGA, AV, and audio connections.*

- **USB Input (x2):** For connecting USB flash drives or external hard drives.
- **HDMI Input (x2):** For connecting devices like laptops, gaming consoles, or Blu-ray players.
- **TV/DTV Input:** For connecting to television signals.
- **VGA Input:** For connecting to computers or older devices.
- **AV Input:** For connecting devices using RCA composite video and stereo audio cables.
- **YPBPR (Component Video) Input:** For connecting devices with component video output.
- **Audio Input/Output:** For connecting external audio sources or outputting audio to external speakers.

# 5. SETUP

## 5.1. Placement and Projection Distance

The optimal projection distance varies depending on the desired screen size. Refer to the chart below for guidance:
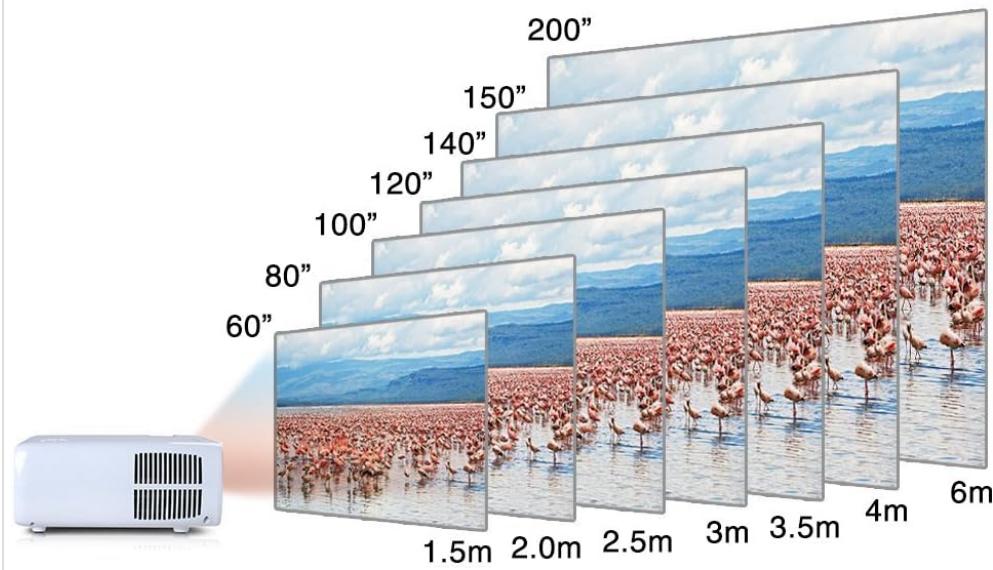
*Diagram illustrating the relationship between projection distance (1.5m to 6m) and corresponding screen sizes (60 inches to 200 inches) for optimal viewing.*

- For a 60-inch screen, the recommended distance is 1.5 meters.
- For a 200-inch screen, the recommended distance is 6 meters.
- Ensure the projector is placed perpendicular to the screen for best results. Use the adjustable foot at the front to fine-tune the projection angle.

## 5.2. Power Connection

1. Connect the power cable to the projector's power input port.
2. Plug the other end of the power cable into a suitable electrical outlet.

## 5.3. Connecting External Devices

The projector supports a variety of devices:

*Illustrations showing various devices such as laptops, PCs, USB memory sticks, phones, SD cards, PS4, Xbox 360, and TV boxes that can be connected to the projector.*

- **HDMI:** Connect laptops, PCs, gaming consoles (PS4, Xbox 360), Blu-ray players, or TV boxes using an HDMI cable.

- **USB:** Insert USB memory sticks or external hard drives directly into the USB ports for media playback.

- **VGA:** Connect older PCs or laptops using a VGA cable.

- **AV:** Use the provided RCA cable to connect DVD players or other devices with AV output.

- **Smartphone/Tablet (MHL):** Some smartphones and tablets can be connected via MHL (Mobile High-Definition Link) with a compatible cable (not included) to mirror their screen.

*Image demonstrating how to connect a smartphone or tablet to the projector using a single cable (MHL) to project content like games, videos, or photos.*

## 6. OPERATING INSTRUCTIONS

### 6.1. Powering On/Off

- **Power On:** Press the Power button on the projector or the remote control. The indicator light will turn on.
- **Power Off:** Press the Power button again. The projector will shut down. Always allow the projector to cool down properly before unplugging it.

### 6.2. Input Source Selection

- Press the 'Source' button on the projector or remote control.
- Use the navigation buttons to select the desired input source (e.g., HDMI1, HDMI2, USB, AV, VGA, TV/DTV).
- Press 'OK' or 'Enter' to confirm your selection.

### 6.3. Focus and Keystone Adjustment

- **Focus:** Rotate the focus ring/lever near the lens until the projected image appears sharp and clear.
- **Keystone:** Adjust the keystone correction lever to correct any trapezoidal distortion, ensuring the image is rectangular.

### 6.4. Media Playback (USB/SD)

- Insert your USB drive or SD card into the corresponding slot.
- Select 'USB' or 'SD' as the input source.
- Navigate through the folders and files using the remote control or projector buttons.
- Select the desired media file (video, photo, audio) to play.

### 6.5. Audio Output

- The projector has a built-in 3W speaker.
- For enhanced audio, connect external speakers or a sound system to the projector's audio output port.

## 7. MAINTENANCE

## 7.1. Cleaning the Lens



*Close-up of the projector's glass lens, emphasizing its design for best refractivity, wear-proof quality, and ability to maintain focus and color fidelity.*

- Always power off and unplug the projector before cleaning.
- Use a soft, lint-free cloth specifically designed for optical lenses.
- Gently wipe the lens in a circular motion. Do not use abrasive cleaners or excessive force.

## 7.2. Cleaning Ventilation Vents

- Regularly check and clean the ventilation grilles to prevent dust buildup, which can affect performance and lead to overheating.
- Use a soft brush or a vacuum cleaner with a brush attachment to remove dust from the vents.

## 7.3. Lamp Life

- The iRULU projector utilizes an LED lamp with an estimated lifespan of 20,000 hours. This significantly reduces the need for lamp replacement compared to traditional projectors.

## 8. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| No image on screen | Power cable disconnected; Incorrect input source; Device not connected properly. | Check power connection; Select correct input source; Ensure HDMI/VGA/AV cables are securely connected. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Image is blurry | Focus not adjusted; Projector too close/far from screen. | Adjust the focus ring/lever; Adjust projection distance as per Section 5.1. |
| Image is trapezoidal | Keystone not adjusted. | Adjust the keystone correction lever. |
| No sound | Volume too low; External device audio settings; Audio cable disconnected. | Increase projector volume; Check audio output settings on connected device; Ensure audio cables are connected correctly. |
| Remote control not working | Batteries low/dead; Obstruction between remote and projector; Remote sensor blocked. | Replace batteries; Remove any obstructions; Ensure remote sensor on projector is clear. |
| Projector overheats and shuts down | Blocked ventilation; Prolonged use in hot environment. | Ensure vents are clear; Allow projector to cool down; Use in a well-ventilated area. |

## 9. SPECIFICATIONS



Glass Lens → Best Refractivity & Wearproof → In Focus & Color Fidelity
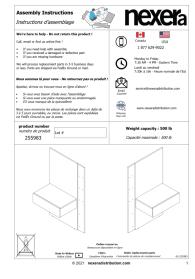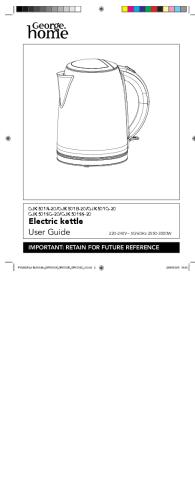
*Diagram showing the compact dimensions of the iRULU projector (26.9cm width, 22.1cm depth, 10.2cm height) and comparing its size to a laptop for portability reference.*

| Feature | Specification |
|---|---|

| Feature | Specification |
|---|---|
| Projection Technology | 5 inch LCD TFT LCD panel |
| Native Resolution | 800 x 480 dpi |
| Supported Resolution | Up to 1080P (Full HD) |
| Brightness | 2600 Lumens ANSI |
| Contrast Ratio | 1000:1 |
| Aspect Ratio | 4:3 / 16:9 |
| Projection Screen Size | 32-200 inches |
| Projection Distance | 1.2 to 6 meters |
| Lamp Type | LED |
| Lamp Life | 20,000 hours |
| Power Consumption | 110 W |
| Power Supply | AC100V-240V, 50Hz/60Hz |
| Built-in Speaker | 3W Audio Output |
| Noise Level | 25 dB |
| Input Interfaces | 2xUSB, 2xHDMI, TV/DTV, AV, YPBPR, VGA, Audio input |
| Output Interfaces | Audio output |
| Projection Methods | Front / Rear / Ceiling |
| Color | 16.7K |
| Dimensions (L x W x H) | 26.9 cm x 22.1 cm x 10.2 cm (approx. 25.91 x 9.91 x 22.1 cm) |
| Weight | 2.18 kg |
| Special Features | Built-in speaker, 3D compatible |

## 10. WARRANTY AND SUPPORT

The iRULU Multimedia Portable LED Video Projector comes with a one-year warranty. For any technical assistance, customer service inquiries, or warranty claims, please contact iRULU customer support through their official channels or the retailer from whom you purchased the product. Please have your product model number (BL-20) and purchase information ready when contacting support.

**Related Documents - BL-20**

[PARKSIDE AKKU-LED-LEUCHTE 20 V PBSTA 20-Li A1 Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für die PARKSIDE AKKU-LED-LEUCHTE 20 V (Modell PBSTA 20-Li A1). Enthält wichtige Informationen zu Sicherheit, Bedienung, technischen Daten, Wartung und Garantie. Ideal für dunkle Innenräume und Arbeitsbereiche.

[Nexera 255983 Furniture Assembly Instructions](#)

Comprehensive assembly guide for the Nexera 255983 furniture item. Includes detailed step-by-step instructions, hardware list, safety precautions, and warranty information. Designed for easy assembly.

[Everwell Air Conditioner Service Manual - MGTC Series](#)

Comprehensive service manual for Everwell MGTC series air conditioners, covering models MGTC0913, MGTC0923, MGTC1213, MGTC1223, MGTC1823, MGTC2423, and MGTC3623. Includes operation details, safety precautions, wiring diagrams, troubleshooting, and parts lists.

[ThruNite Archer 2A V3 Flashlight Specifications](#)

Comprehensive technical specifications for the ThruNite Archer 2A V3 LED flashlight, detailing lumen output, runtimes, beam performance, and durability ratings.

[Vermeiren Neoflex Neo 20 User Manual: Guide to Safe and Effective Use](#)

Comprehensive user manual for the Vermeiren Neoflex Neo 20 stabilization belt. Learn about intended use, safety instructions, maintenance, and technical specifications for optimal postural support.

[George Home Electric Kettle User Guide - Models GJK501R-20 to GJK501SS-20](#)

Comprehensive user guide for the George Home Electric Kettle, covering setup, operation, cleaning, de-scaling, fuse replacement, warranty, and disposal. Includes safety warnings and product specifications for models GJK501R-20, GJK501B-20, GJK501G-20, GJK501SG-20, and GJK501SS-20.