DBPOWER RD828

DBPOWER RD828 Projector User Manual

Model: RD828

INTRODUCTION

Thank you for purchasing the DBPOWER RD828 Native 1080P WiFi Projector. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your projector. Please read it thoroughly before use to ensure optimal performance and longevity of your device.

The DBPOWER RD828 projector delivers a Full HD 1080P native resolution experience with advanced features like 4-point keystone correction, wireless screen mirroring, and direct USB file playback, making it suitable for various home entertainment and business presentation needs.

SETUP

1. Unpacking and Components

Carefully remove all components from the packaging. The package should include:

- DBPOWER RD828 Projector
- Remote Control
- HDMI Cable
- Audio/Video (AV) Adapter Cable
- Power Cable
- User Manual (this document)
- Quick Start Guide

Figure 1: DBPOWER RD828 Projector and included accessories.

The projector comes in a convenient travel case, which can also function as a backpack for easy portability.

Figure 2: The DBPOWER RD828 Projector packaged in its travel case.

2. Physical Overview

Familiarize yourself with the projector's ports and controls:

- **Front:** Projection lens with removable lens cap, IR receiver.
- **Top:** Control panel with power, OK, navigation (up, down, left, right), and input selection buttons. The top surface features a fabric material.
- **Back:** Power input, 2x USB ports, Headphone jack, AV input, 2x HDMI ports, Speaker grille.
- **Sides:** Ventilation grilles, removable air filter on one side.
- **Bottom:** Four rubber feet (removable for ceiling mounting), adjustable front foot for tilt adjustment, mounting points for ceiling installation.
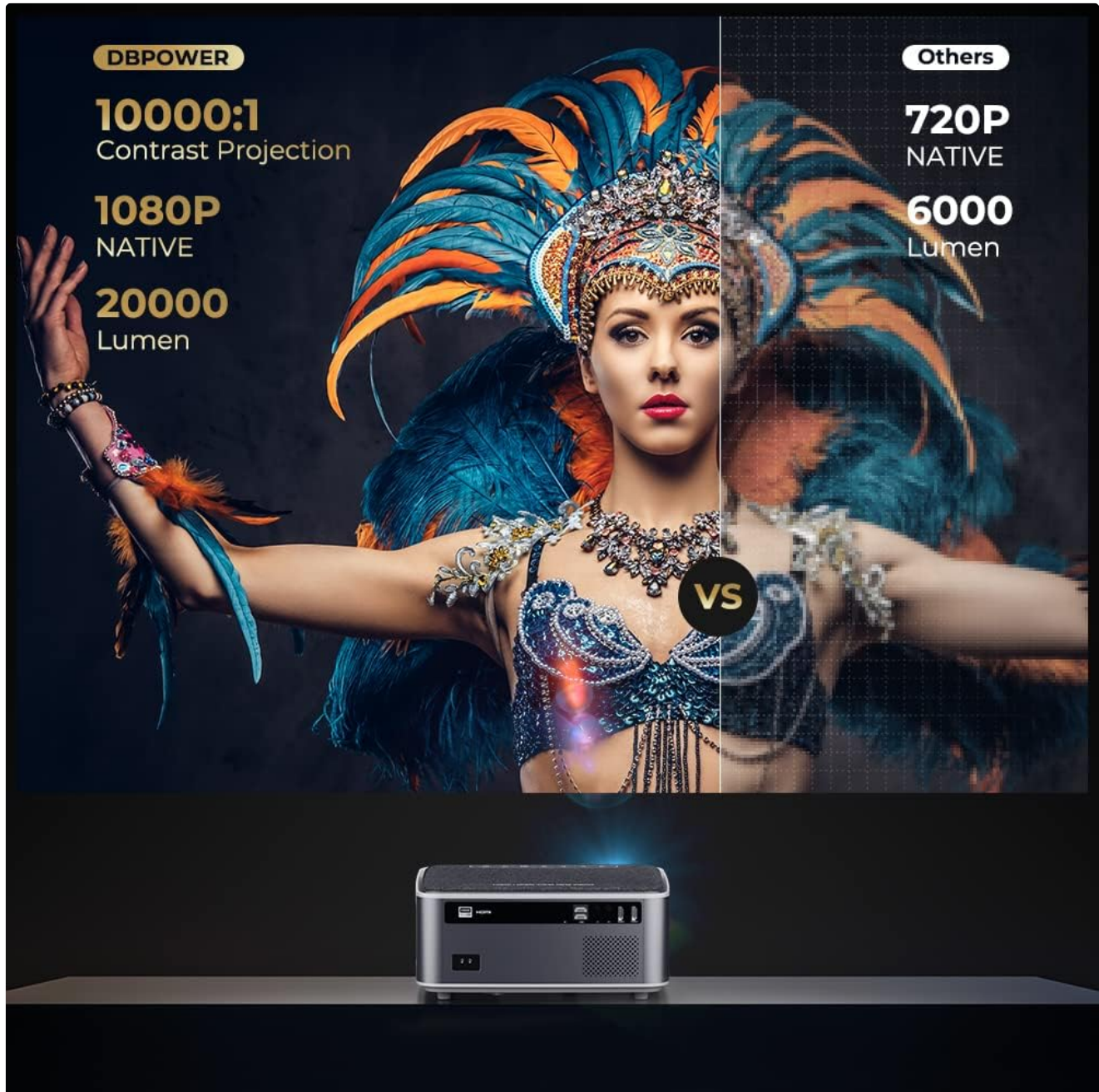

Figure 3: Rear view of the projector displaying its various input and output ports.

Figure 4: Top view of the projector with its integrated control panel.

3. Placement and Power Connection

1. Place the projector on a stable, flat surface or mount it to a ceiling. Ensure adequate ventilation around the device.
2. Connect the power cable to the projector's power input and then to a power outlet.
3. Press the power button on the projector or the remote control to turn on the device.

OPERATING INSTRUCTIONS

1. Initial Setup and Focus Adjustment

Upon first power-on, the projector will display the home screen. Adjust the focus using the +/- buttons on the remote control until the image is clear.

2. Input Source Selection

The home screen provides shortcuts for various input sources:

- **HDMI 1 / HDMI 2:** For connecting devices via HDMI cable (e.g., laptops, gaming consoles, TV sticks).
- **AV:** For connecting older devices using the included AV adapter cable.
- **iOS Cast / Miracast:** For wireless screen mirroring from iOS and Android devices.
- **Film / Music / Photo / Office Suite:** For playing media directly from a USB drive.
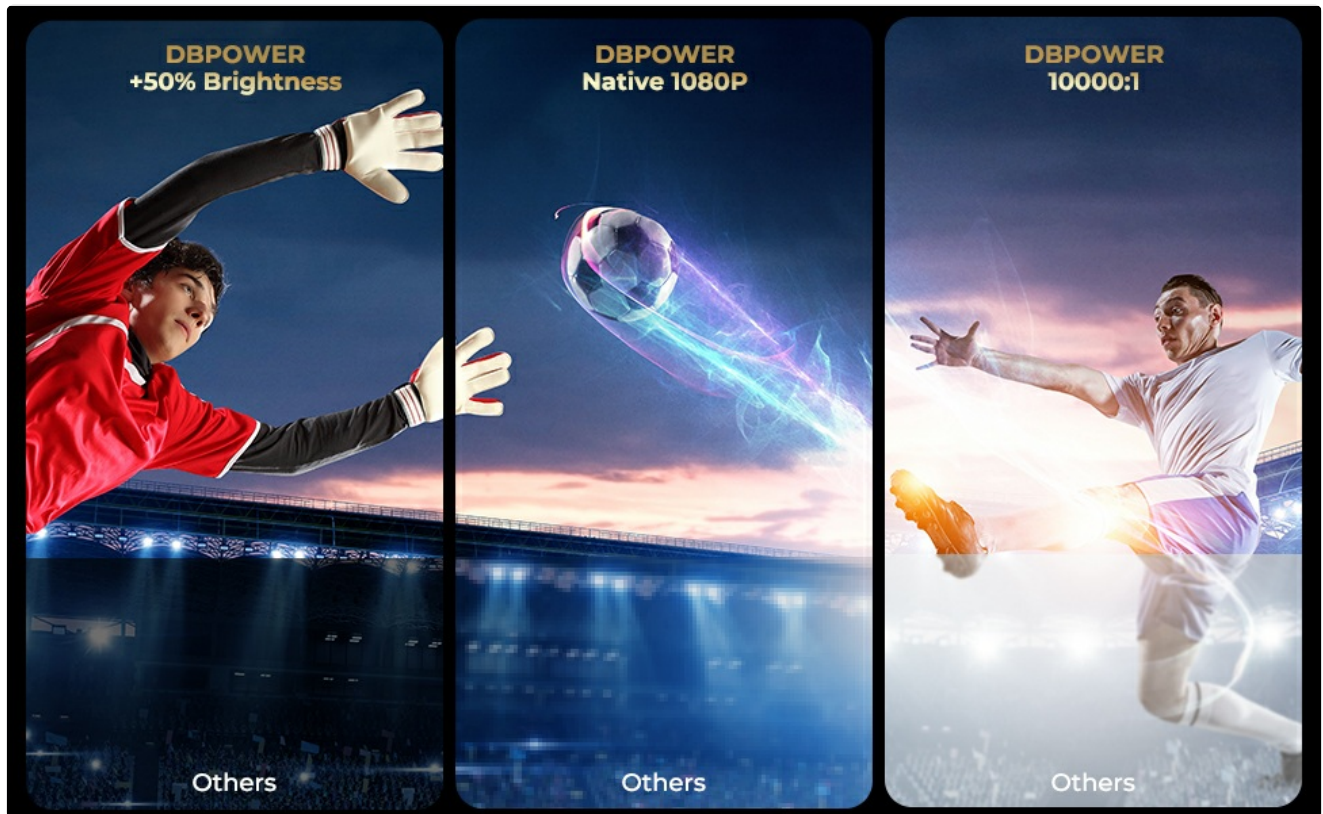

Figure 5: The main interface of the projector, showing various input options and media categories.

3. Wireless Screen Mirroring (WiFi Sync)

The RD828 supports wireless screen mirroring for iOS and Android devices. Ensure your device and the projector are connected to the same Wi-Fi network.

- **For iOS devices:** Select "iOS Cast" on the projector. On your iOS device, open Control Center and tap "Screen Mirroring." Select the projector from the list.
- **For Android devices:** Select "Miracast" on the projector. On your Android device, open the settings menu, access display settings or screen mirroring, and select the projector.
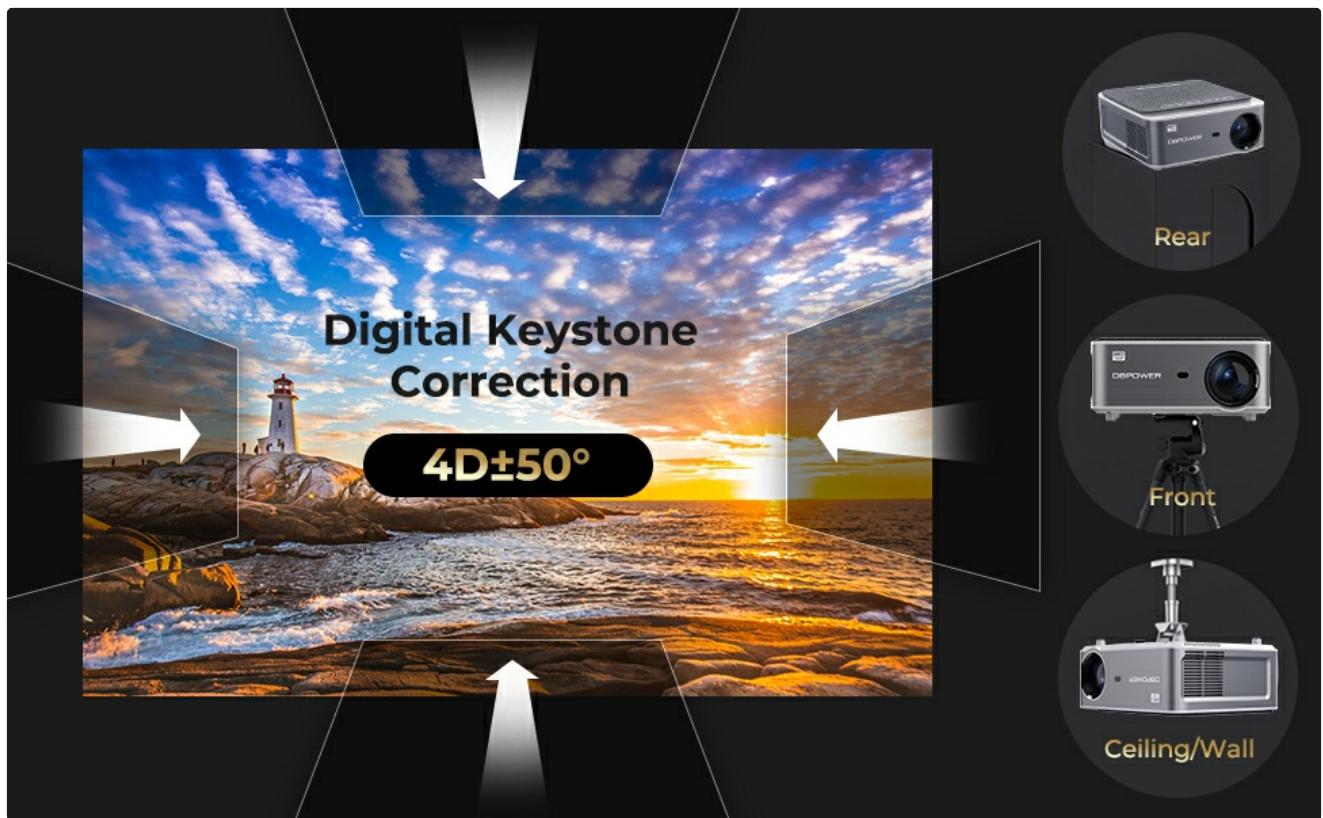
Figure 6: Step-by-step guide for connecting iOS and Android devices via wireless screen mirroring.

4. Keystone Correction and Zoom Function

The projector features 4-point keystone correction and a digital zoom function to adjust the image shape and size.

- **4-Point Keystone Correction:** This advanced feature allows you to adjust each of the four corners of the projected image independently, correcting distorted images when the projector is not perfectly aligned with the screen. Access this setting via the "Projection Setting" menu.
- **Digital Zoom:** Use the zoom function to shrink the image size up to 50% using the remote control without physically moving the projector.

Figure 7: Visual representation of 4-point keystone correction and the digital zoom feature.

Figure 8: Illustrates how digital keystone correction can be applied from different projector positions (rear, front, ceiling/wall).

5. USB Playback and Office Suite

The DBPOWER RD828 is capable of playing Microsoft Office (Word, Excel, PowerPoint) and Adobe PDF files directly from a USB stick, eliminating the need for a connected computer for presentations.

Figure 9: The projector displaying a business presentation directly from a USB drive.

6. Audio Output

The projector includes dual built-in stereo speakers. For enhanced audio experience, you can connect external speakers or a soundbar via the headphone jack or a Bluetooth adapter (not included).

Figure 10: Illustration of the projector's built-in dual stereo speakers.

MAINTENANCE

1. Lens Cleaning

Use a soft, lint-free cloth specifically designed for optical lenses to clean the projector lens. Avoid abrasive materials or harsh chemicals that could scratch the lens.

2. Air Filter Cleaning

Regularly clean the air filter to prevent dust buildup, which can affect performance and lamp life. The air filter is located on the side of the projector and can be removed for cleaning.

3. Lamp Life

The DBPOWER RD828 projector utilizes an LED light source designed for a long lifespan of up to 100,000 hours,

minimizing the need for frequent lamp replacement.

Figure 11: Visual representation of the projector's extended lamp life.

4. System Updates

The projector supports both local and online system upgrade methods. Check for updates periodically to ensure your device has the latest features and performance improvements. Access system updates via the "System Update" option in the settings menu.

TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No image or distorted image	Incorrect focus, keystone distortion, incorrect input source, loose cable connection.	Adjust focus using remote. Use 4-point keystone correction. Select correct input source. Check HDMI/AV cable connections.
No sound	Volume too low, muted, external speakers not connected properly, audio format not supported.	Increase volume. Unmute. Ensure external speakers are connected correctly or use built-in speakers. Check audio format compatibility.
Remote control not working	Low battery, IR receiver blocked, out of range.	Replace batteries. Ensure no obstructions between remote and projector's IR receiver. Operate within effective range.
Overheating or automatic shutdown	Blocked ventilation, excessive use in hot environment.	Ensure ventilation grilles are clear. Operate in a well-ventilated area. Allow projector to cool down.
Wireless mirroring issues	Network connectivity issues, device compatibility.	Ensure both devices are on the same Wi-Fi network. Restart Wi-Fi router. Check device compatibility with Miracast/iOS Cast.

SPECIFICATIONS

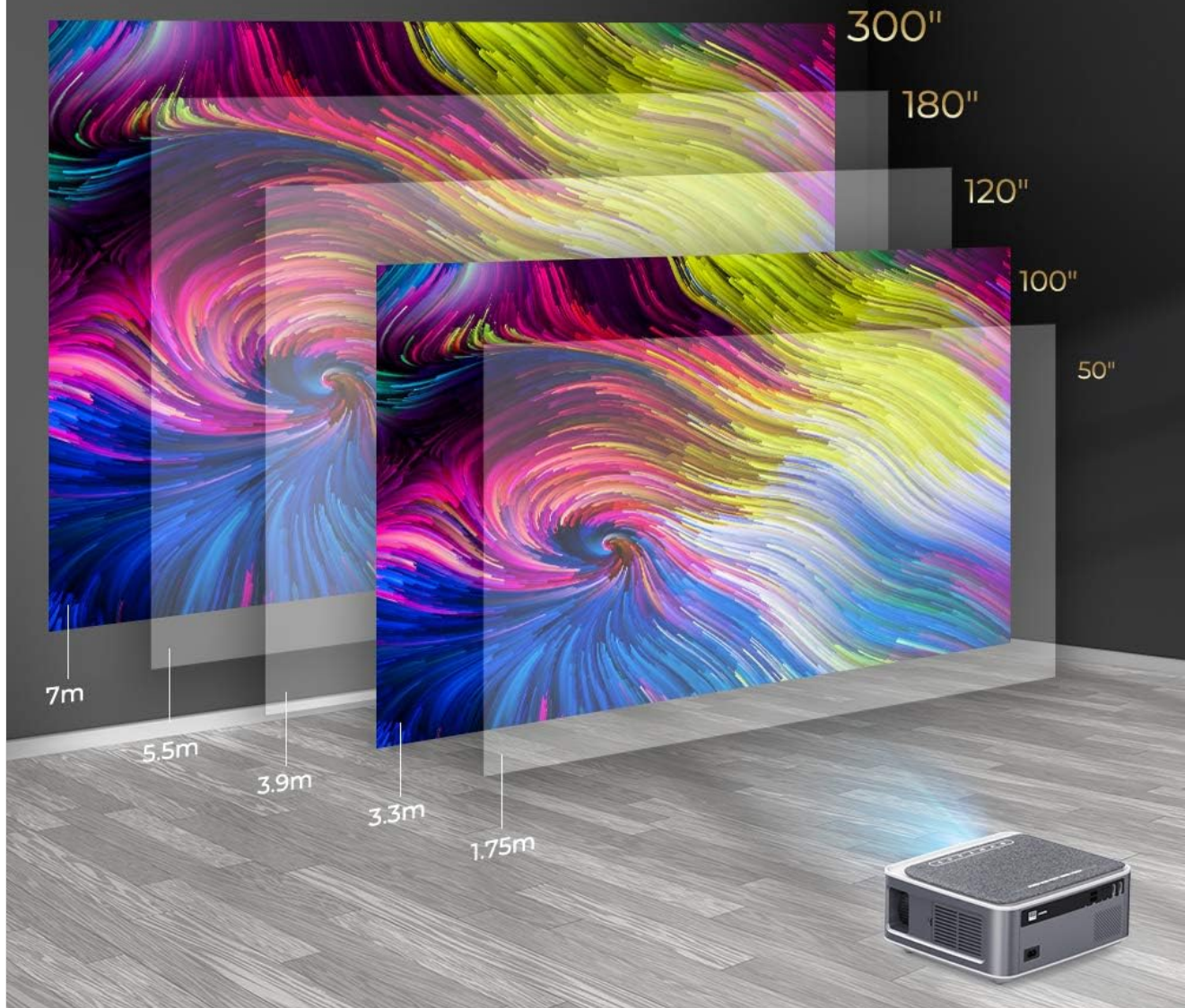| Feature	Detail
Model Number	RD828
Native Resolution	1920 x 1080P Full HD
Brightness	20000 Lumens / 500 ANSI
Contrast Ratio	10000:1
Lamp Life	Up to 100,000 hours
Projection Size	50" - 300" (Adjustable)
Keystone Correction	4-Point Keystone Correction
Zoom Function	Digital Zoom (-50%)
Connectivity	2x HDMI, 2x USB, AV, Headphone Jack, 5G/2.4G WiFi
Audio	Dual Built-in Stereo Speakers
Product Dimensions	10.2 x 9 x 4.3 inches
Item Weight	7.15 pounds

Figure 12: Illustrates the adjustable projection screen sizes from 50 to 300 inches based on projection distance.
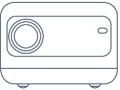
WARRANTY AND SUPPORT

DBPOWER offers a 3-YEAR warranty for the RD828 projector. Professional customer service and lifetime technical support are available to assist you with any issues or questions.

For support, please refer to the contact information provided in your Quick Start Guide or visit the official DBPOWER website.

Figure 13: DBPOWER company logo.

Related Documents - RD828

[DBPOWER H89 FHD 1080P Projector User Manual](#)

Comprehensive user manual for the DBPOWER H89 FHD 1080P Projector, covering installation, setup, operation, settings, connectivity, and troubleshooting. Learn how to connect devices, adjust image and sound, and resolve common issues.

[DBPOWER C16 Multifunctional 1080p HD Projector User Manual](#)

User manual for the DBPOWER C16 Multifunctional 1080p HD Projector, covering installation, operation, screen mirroring, Bluetooth connectivity, troubleshooting, and specifications.

[DBPOWER WiFi Mini Projector 8000L User Manual](#)

User manual for the DBPOWER WiFi Mini Projector 8000L HD Video Projector with Carrying Case & Zoom. Supports 1080P and iOS/Android Sync Screen, portable for home movie use with smartphones, laptops, PCs, DVDs, and TVs.

[DBPOWER RD-828 Full HD 1080P Projector User Manual](#)

User manual for the DBPOWER RD-828 Full HD 1080P projector, detailing setup, operation, features, troubleshooting, and specifications. Includes important safeguards and connection guides.

[DBPOWER RD-828 Full HD 1080P Projector User Manual](#)

This user manual provides detailed instructions for setting up, operating, and troubleshooting the DBPOWER RD-828 Full HD 1080P Projector. Learn about installation methods, connectivity options (HDMI, USB, AV), wireless casting (iOS Cast, Miracast), media playback, system settings, and technical specifications.

[DBPOWER L23 Mini LCD Video Projector User Manual](#)

Comprehensive user manual for the DBPOWER L23 Mini LCD Video Projector, covering setup, connections, features like screen mirroring, menu settings, safety precautions, and technical specifications.