

BRESSER F005103

Bresser BR-100RGB LED Studio Light User Manual

Model: F005103 | Brand: BRESSER

1. INTRODUCTION

Thank you for choosing the BRESSER BR-100RGB LED Studio Light. This powerful 100W LED light is designed for versatile applications in photography and video production, both indoors and outdoors. It features advanced LED technology, offering uniform and constant illumination for live broadcasts, video shoots, product photography, and portrait sessions. This manual provides detailed instructions for setting up, operating, and maintaining your BR-100RGB LED light to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The BRESSER BR-100RGB LED Studio Light is equipped with a robust metal casing and intuitive controls. Familiarize yourself with the main components before operation.



Figure 2.1: Front view of the Bresser BR-100RGB LED Studio Light, showing the LED panel displaying a color gradient and the accompanying mobile app interface.



Figure 2.2: Rear view of the Bresser BR-100RGB LED Studio Light, highlighting the control panel and various connection ports.



Figure 2.3: Front view of the Bresser BR-100RGB LED Studio Light with the diffuser panel, ready for use.

Key Components:

- **LED Panel:** High-quality RGB LED array for versatile lighting.
- **Barn Doors:** Adjustable metal flaps to shape and control light spill.
- **Control Panel:** Features an LCD display, rotary knob, and various buttons for settings adjustment.
- **V-Mount Battery Plate:** For optional battery power (battery not included).
- **DMX In/Out Ports:** For professional DMX512 control.
- **DC Power Input:** For connecting the AC power adapter.
- **Mounting Bracket:** Standard light stand mount for secure attachment.

3. SETUP

3.1 Mounting the Light

1. Attach the BR-100RGB LED light to a compatible light stand using the integrated mounting bracket.
2. Securely tighten the locking knob on the mounting bracket to prevent accidental movement.

3. Adjust the tilt angle of the light as needed and tighten the side locking handles.

3.2 Powering the Light

The BR-100RGB can be powered by either the included AC adapter or an optional V-mount battery.

Using AC Power:

1. Connect the AC power adapter to the DC Power Input port on the rear of the light.
2. Plug the AC adapter into a suitable power outlet.

Using V-Mount Battery (Optional):

1. Ensure the V-mount battery is fully charged.
2. Slide the V-mount battery onto the V-mount battery plate on the rear of the light until it clicks into place.

3.3 Initial Power On

Press the 'Power' button on the control panel to turn on the light. The LCD display will illuminate, showing the current settings.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

The control panel features an LCD screen, a multi-function rotary knob, and several buttons for precise control.

- **LCD Display:** Shows current mode, color temperature, hue, saturation, intensity, and battery status.
- **Rotary Knob:** Used to navigate menus and adjust values. Press to confirm selections.
- **MODE Button:** Cycles through different operating modes (CCT, HSI, Effects).
- **FUNCTION Button:** Accesses additional functions or sub-menus within a mode.
- **DMX Button:** Activates DMX control mode.
- **Bluetooth Reset Button:** Resets Bluetooth connection for app control.
- **BATTERY/ADAPTER Switch:** Selects power source.
- **POWER Button:** Turns the light on/off.

4.2 Operating Modes

4.2.1 CCT Mode (Correlated Color Temperature)

This mode allows precise adjustment of color temperature and brightness.

- Press the 'MODE' button until 'CCT' is displayed.
- Rotate the knob to adjust the color temperature from 2700K (warm) to 10000K (cool).
- Press the knob to switch to brightness adjustment (0-100%). Rotate to set desired intensity.
- The light boasts high CRI/TLCI values of 95+/98+ for excellent color accuracy.

4.2.2 HSI Mode (Hue, Saturation, Intensity)

Access 36,000 colors for creative lighting.

- Press the 'MODE' button until 'HSI' is displayed.
- Rotate the knob to adjust Hue (0-360 degrees).
- Press the knob to switch to Saturation adjustment (0-100%).

- Press the knob again to switch to Intensity adjustment (0-100%).

4.2.3 Effects Mode

Choose from 20 pre-programmed lighting effects.

- Press the 'MODE' button until 'FX' (Effects) is displayed.
- Rotate the knob to browse through the 20 built-in effects, such as welding, pulsation, campfire, lightning, explosion, television, candle, light bulb, breathing, paparazzi, SOS, flame, fade, police car, party, etc.
- Press the knob to select an effect and adjust its parameters (e.g., speed, intensity) if applicable.

4.3 Connectivity and Control

4.3.1 Bluetooth App Control

Control your light wirelessly via a smartphone app (available for iOS/Android).

- Download and install the official Bresser lighting app on your smartphone.
- Ensure Bluetooth is enabled on your phone and the light.
- Open the app and follow the on-screen instructions to pair with your BR-100RGB.
- The app allows control of all settings, including CCT, HSI, effects, and access to 188 LEE presets (600 & 700 series) and 122 ROSCO filter presets (Calcolor, Cinelux, Colorcorrection, Storaro-Selection) from up to 100 meters away.

4.3.2 2.4 GHz Remote Control (Optional)

The light can be controlled by an optional 2.4 GHz wireless remote control (sold separately).

- Refer to the remote control's manual for pairing and operation instructions.

4.3.3 DMX512 Control

For professional studio setups, the light supports DMX512 control.

- Connect your DMX controller to the 'DMX IN' port on the light using a DMX cable.
- If daisy-chaining multiple lights, connect the 'DMX OUT' of the first light to the 'DMX IN' of the next.
- Set the DMX address on the light's control panel according to your DMX system setup.
- Consult a DMX lighting guide for detailed DMX channel assignments for the BR-100RGB.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BRESSER BR-100RGB LED Studio Light.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the light. For stubborn dirt, a slightly damp cloth can be used, followed by a dry one. Do not use harsh chemicals or abrasive cleaners.
- **Lens/Diffuser:** Gently clean the LED panel and diffuser with a microfiber cloth to avoid scratches.
- **Storage:** When not in use, store the light in its original carrying case or a padded bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating. The high-quality metal casing is designed for efficient heat dissipation.
- **Cable Care:** Regularly inspect power cables and DMX cables for any signs of damage. Replace damaged cables immediately.

6. TROUBLESHOOTING

If you encounter issues with your BR-100RGB LED light, refer to the following common problems and solutions.

- **Light does not turn on:**
 - Check if the power cable is securely connected to both the light and the power outlet.
 - If using a V-mount battery, ensure it is fully charged and properly seated.
 - Verify the 'BATTERY/ADAPTER' switch is set correctly for your power source.
 - Test the power outlet with another device.
- **Light flickers or has inconsistent output:**
 - Ensure the power supply is stable and meets the light's requirements.
 - Check for loose cable connections.
 - If using DMX, verify DMX cable integrity and DMX address settings.
- **App control not working:**
 - Ensure Bluetooth is enabled on your smartphone and the light.
 - Try pressing the 'Bluetooth Reset' button on the light.
 - Restart the app and your smartphone.
 - Ensure the app is updated to the latest version.
- **Incorrect color output:**
 - Verify the light is in the correct mode (CCT or HSI) for your desired color.
 - Check if any color filters or gels are accidentally applied or selected in the app/DMX.
 - Perform a factory reset if available (refer to advanced settings in the manual or app).

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

7. SPECIFICATIONS

Feature	Specification
Model	F005103
Power Output	100 W
Color Temperature (CCT)	2700K - 10000K
CRI / TLCI	95+ / 98+
Dimming Range	0% - 100% (flicker-free)
Color Modes	CCT, HSI (36,000 colors), 20 Lighting Effects
Control Methods	Bluetooth App, 2.4 GHz Remote (Optional), DMX512
Power Input	DC13-19V (AC Adapter included), V-Lock Battery (Optional)
Material	High-quality Metal Casing

Product Dimensions (L x W x H)	30 x 30 x 5.5 cm (11.8 x 11.8 x 2.2 inches)
Item Weight	3.1 kg (6.8 lbs)

8. WARRANTY AND SUPPORT

BRESSER products are designed for quality and reliability. This product is typically covered by a manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase or visit the official BRESSER website for detailed warranty terms and conditions specific to your region.

For technical support, troubleshooting assistance, or spare parts inquiries, please contact BRESSER customer service. Have your product model number (F005103) and purchase information ready when contacting support.

BRESSER Customer Service:

Please visit the official BRESSER website for contact information and support resources.