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Onforu G20RGB

Onforu 20W RGB LED Flood Light User Manual

Model: G20RGB
Brand: Onforu

1. PRODUCT OVERVIEW

The Onforu 2 Pack 20W RGB LED Flood Lights are versatile, color-changing floodlights designed for both indoor and outdoor use. They offer multiple colors and dynamic modes, making them suitable for various events and decorative lighting purposes. Featuring IP66 waterproofing and efficient cooling, these lights are built for durability and reliable performance.



Figure 1.1: Onforu 20W RGB LED Flood Lights and Remote Controls

This image displays two Onforu 20W RGB LED Flood Lights, each accompanied by its dedicated remote control. The lights feature a rectangular design with a vibrant, multi-color display on their front panels, indicating their RGB capabilities. The remote controls are compact, showing various buttons for color selection, mode changes, and power.

2. SAFETY INFORMATION

- Ensure the power supply is disconnected before installation or maintenance.
- Do not disassemble or modify the product. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the product away from flammable materials.
- Do not stare directly into the light source when it is operating, as it may cause eye strain.
- Use only the provided remote control for operation.
- While the product is IP66 waterproof, avoid submerging it in water.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 2 x Onforu 20W RGB LED Flood Light
- 2 x IR Remote Control
- 1 x User Manual (this document)

Note: The remote control requires batteries, which are typically included. If not, please insert 2 x AAA batteries.

4. SETUP AND INSTALLATION

The Onforu RGB LED Flood Light is designed for easy installation. No complex wiring is required; simply plug it into a standard AC power outlet. The 180° adjustable lamp body allows for flexible mounting options.

4.1 Mounting Options

The integrated mounting bracket allows the floodlight to be installed on various surfaces:

- **Ceiling Mount:** Secure the bracket to a ceiling surface to project light downwards.
- **Wall Mount:** Attach the bracket to a wall to illuminate an area horizontally or vertically.
- **Ground Mount:** Use the bracket as a stand to place the light directly on the ground, aiming it upwards or across a surface.

DIMENSION



- ✓ **FLEXIBLY**
- ✓ **EXCELLENT HEAT DISSIPATION**

Figure 4.1: Flood Light Dimensions and Adjustable Bracket

This diagram illustrates the physical dimensions of the Onforu RGB LED Flood Light, including its length (128mm / 5.03in), height (82mm / 3.22in), and thickness (26.5mm / 1.04in). It also shows the 180° adjustable range of the mounting bracket and highlights the efficient heat dissipation design on the back of the unit, indicating airflow paths.

4.2 Initial Power-On

1. Position the floodlight in your desired location.
2. Plug the power cord into a suitable AC outlet.
3. For the first use, keep the power on for 1-5 seconds before turning on the RGB flood light using the remote control. This allows the internal components to stabilize.

5. OPERATING INSTRUCTIONS

The Onforu RGB LED Flood Light is controlled using the included 44-key IR remote control. Ensure the remote is pointed directly at the floodlight's IR signal acceptor for optimal response.



Figure 5.1: Remote Control Functions and IR Signal Acceptor

This image provides a detailed layout of the 44-key IR remote control, labeling buttons for adjusting brightness, power on/off, 20 solid colors, DIY color settings (with up/down arrows for Red, Green, Blue), speed control for dynamic modes, and timer functions (3H, 6H, 12H).

It also highlights the IR signal acceptor located on the floodlight itself, indicating where to aim the remote.

5.1 Remote Control Functions

- **On/Off Button:** Powers the light on or off.
- **Brightness Adjustment:** Use the sun icons (up/down) to increase or decrease light intensity.
- **Pause Button:** Pauses the current dynamic mode.
- **Color Selection:** Directly select from 20 solid colors using the dedicated buttons.
- **DIY Colors:** Use the R, G, B buttons and the up/down arrows to create custom colors by adjusting the ratio of red, green, and blue. Three DIY memory slots (DIY1, DIY2, DIY3) are available to save your custom colors.
- **Dynamic Modes:** Select from 6 dynamic modes: JUMP3, JUMP7, FADE3, FADE7, FLASH, AUTO.

- **JUMP3/JUMP7:** Colors change abruptly (jump) between 3 or 7 colors.
 - **FADE3/FADE7:** Colors smoothly transition (fade) between 3 or 7 colors.
 - **FLASH:** Rapid flashing of colors.
 - **AUTO:** Cycles through all available dynamic modes.
- **Speed Adjustment:** Use the "QUICK" and "SLOW" buttons to control the speed of dynamic modes.
 - **Timer Function:** Set the light to automatically turn off after 3 hours (3H), 6 hours (6H), or 12 hours (12H).

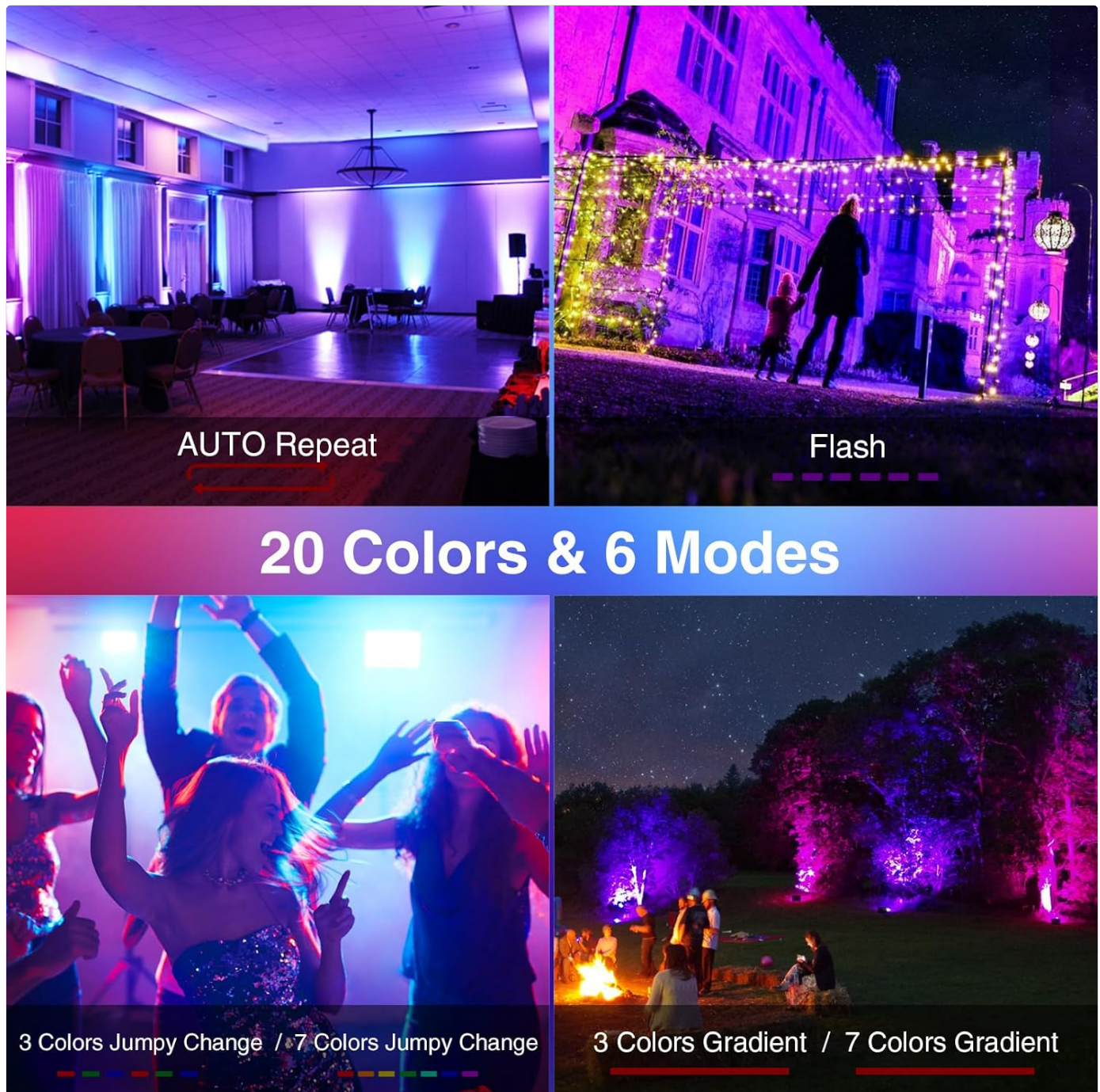


Figure 5.2: Examples of 20 Colors & 6 Modes

This image collage demonstrates the versatility of the floodlights, showcasing various lighting effects. It includes scenes of indoor events with ambient colored lighting and outdoor settings like building facades and landscapes illuminated with different hues, highlighting the 20 available colors and 6 dynamic modes such as "AUTO Repeat" and "Flash".



Figure 5.3: Custom DIY Color Setting

This image illustrates the DIY color setting feature, showing a residential house beautifully lit with custom pink and yellow hues. A hand in the foreground holds the remote control, emphasizing the user's ability to create and apply personalized color combinations by adjusting the red, green, and blue ratios. A note clarifies that the product does not support DMX512 functionality.

5.2 Memory Function

The floodlights feature a memory function. When turned on again via the remote control, they will recall and apply the last color or mode setting you selected, eliminating the need to reset your preferences each time.

5.3 Timer Function

Utilize the timer function to automatically turn off the lights after a set duration. Press the 3H, 6H, or 12H button on the remote to activate the corresponding timer. The light will operate for the selected period and then switch off.



Figure 5.4: Timer Function in Use

This image visually explains the timer function, showing a house and its surroundings illuminated by the floodlights at night. An overlay highlights the 3H, 6H, and 12H timer options. A hand holds the remote control, indicating how to set the timer, and a dashed line illustrates a "Sensing Distance" of 6-8 meters (19.6-26.2ft), although the timer function itself does not rely on sensing distance.

6. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your Onforu RGB LED Flood Lights.

6.1 Cleaning

- Before cleaning, ensure the floodlight is unplugged from the power source.
- Wipe the exterior of the light with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish.
- Ensure the light is completely dry before reconnecting to power.

6.2 Durability and Cooling

The floodlight features a die-cast aluminum housing and an efficient cooling design, contributing to its durability and stable operation. The scientific heat dissipation design on the back of the unit helps maintain optimal operating temperatures, extending the product's lifespan.



IP66 WATERPROOF

Figure 6.1: IP66 Waterproof Rating

This image depicts an Onforu floodlight actively illuminating an outdoor scene during rainfall, visually confirming its IP66 waterproof rating. The light is shown effectively resisting water ingress, highlighting its suitability for outdoor use in various weather conditions.

6.3 IP66 Waterproof Rating

With an IP66 dustproof and waterproof rating, the floodlight is designed to perform reliably in various weather conditions, including rain, sleet, and snow. This makes it ideal for outdoor applications such as gardens, patios, and event lighting.

7. TROUBLESHOOTING

If you encounter issues with your Onforu RGB LED Flood Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Remote control battery low/dead; IR signal blocked; Light not properly initialized.	Check if the power cord is securely plugged into a working outlet. Replace remote control batteries. Ensure no obstructions between remote and light's IR acceptor. Unplug and re-plug the light, then wait 1-5 seconds before using the remote.
Remote control not responding.	Remote not pointed at IR acceptor; Batteries low/dead; Distance too far.	Point the remote directly at the IR signal acceptor on the light. Replace remote control batteries. Move closer to the light (effective range is typically 6-8 meters).
Colors are not accurate or consistent.	Interference; Light malfunction.	Ensure no other IR devices are causing interference. Try resetting the light by unplugging it for a few minutes. If the issue persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	G20RGB
Power	20W (160W Equivalent)
Light Source Type	LED
Color	RGB (Red, Green, Blue)
Material	Aluminum
Finish Type	Unfinished
IP Rating	IP66 Waterproof and Dustproof
Power Source	AC
Product Dimensions	6"L x 4.4"W x 1.1"H (15.24cm L x 11.18cm W x 2.79cm H)
Item Weight	1.87 pounds (0.85 kg)

Feature	Detail
Mounting Type	Table Mount (Adjustable Bracket for Wall/Ceiling/Ground)
Special Features	Color Changing, Dimmable, Energy Efficient, Timer, Waterproof, Memory Function
Included Components	LED Lens

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Onforu products typically come with a manufacturer's warranty. Please refer to the product packaging or the official Onforu website for specific warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Onforu customer support. Contact details can usually be found on the product packaging, the official Onforu website, or through your retailer's support channels.

Website: www.onforuled.com
Email: support@onforuled.com

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