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› JBL LED Solar Control Unit Instruction Manual

JBL 6191800

JBL LED Solar Control Unit Instruction Manual

Model: 6191800 | Brand: JBL

1. INTRODUCTION

Welcome to the instruction manual for your new JBL LED Solar Control Unit. This device is designed to enhance your aquarium lighting experience by providing advanced control over JBL LED Solar lights. It allows for individual light management, biotope simulations, and various pre-set programs, all controllable conveniently via a smartphone application.

Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the benefits of your JBL LED Solar Control Unit.



Figure 1: JBL LED Solar Control Unit Product Packaging.

2. PRODUCT OVERVIEW

The JBL LED Solar Control Unit (Model 6191800) is a sophisticated device that replaces the standard infrared receiver of your JBL LED Solar lighting system. It enables comprehensive control of up to two JBL LED Solar lamps (one Nature and one Effect lamp) through a dedicated smartphone application.

Key Features:

- **Smartphone App Control:** Manage all functions wirelessly via a user-friendly application.
- **Biotop Simulations:** Replicate natural lighting conditions such as sunrise, sunset, clouds, storms, and seasonal changes (dry/rainy seasons).
- **Pre-set Programs:** Choose from 5 optimized programs for various aquarium types (South America, Africa, Aquascaping, Goldfish, Community Aquarium).
- **Manual Program:** Customize lighting parameters to your specific needs.
- **Dual Lamp Control:** Independently or synchronously control two JBL LED Solar lamps (Nature and Effect).



Figure 2: The JBL LED Solar Control Unit.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1x JBL LED Solar Control Unit
- Integrated cables for connecting two JBL LED Solar lamps (1x Nature, 1x Effect)

If any components are missing or damaged, please contact your retailer or JBL customer support immediately.

4. SETUP INSTRUCTIONS

Follow these steps to install your JBL LED Solar Control Unit:

1. **Disconnect Power:** Before beginning, ensure that the power supply to your existing JBL LED Solar lighting system is completely disconnected from the mains.
2. **Remove Existing IR Receiver:** Locate the existing infrared receiver connected to your JBL LED Solar lamps and carefully disconnect it.
3. **Connect Control Unit:** Connect the JBL LED Solar Control Unit to your JBL LED Solar lamps. The unit has two output cables, typically labeled for 'Nature' and 'Effect' lamps. Ensure they are connected to the corresponding lamps.
4. **Connect Power:** Reconnect the power supply to the JBL LED Solar lighting system. The control unit will power on automatically.
5. **Download App:** Download the official JBL LED Solar Control app from your smartphone's app store (available for iOS and Android).
6. **Pair Device:** Open the app and follow the on-screen instructions to pair your smartphone with the JBL LED Solar

Control Unit via Bluetooth.

Once paired, you can begin configuring your lighting settings.



Figure 3: The control unit indicating app compatibility.

5. OPERATING INSTRUCTIONS

The JBL LED Solar Control Unit is operated exclusively through its dedicated smartphone application. After successful pairing, the app provides a comprehensive interface for managing your aquarium lighting.

App Interface Overview:

- **Home Screen:** Displays current lighting status, active program, and quick access to main functions.
- **Program Selection:** Navigate to choose between pre-set biotop programs or the manual program.
- **Manual Control:** Adjust individual lamp brightness, color temperature, and specific color channels (if applicable to your LED Solar lamps).
- **Biotop Effects:** Activate and customize effects like clouds, storms, sunrise, and sunset.
- **Scheduling:** Set daily schedules for lighting cycles, including ramp-up and ramp-down times.

Refer to the in-app help section for detailed guidance on each feature and setting.

6. PROGRAMS AND FEATURES

The control unit offers a variety of programs and features to simulate natural lighting conditions and support the well-being of your aquarium inhabitants.

Pre-set Biotop Programs:

The unit includes 5 pre-programmed biotop simulations, each designed to replicate specific natural environments:

- **South America Biotop:** Simulates lighting conditions typical of South American rivers and lakes, often with warmer tones.
- **Africa Biotop:** Replicates African lake environments, characterized by specific light spectra.
- **Aquascaping Plantation:** Optimized for plant growth, providing a spectrum conducive to photosynthesis.

- **Goldfish Aquarium:** Tailored lighting for goldfish, often with softer, less intense illumination.
- **Community Aquarium:** A balanced lighting profile suitable for a mixed community of fish and plants.

Dynamic Effects:

Enhance realism with dynamic lighting effects:

- **Sunrise & Sunset:** Gradual transitions from darkness to full light and back, mimicking natural day cycles.
- **Clouds:** Simulate passing clouds, causing temporary dimming.
- **Storms:** Introduce lightning flashes and dynamic light changes.
- **Dry & Rainy Seasons:** Long-term light intensity and duration adjustments to simulate seasonal variations.

Manual Program:

For advanced users, the manual program allows complete customization of light intensity, color, and timing for both connected lamps. This enables you to create unique lighting scenarios.

7. MAINTENANCE

The JBL LED Solar Control Unit requires minimal maintenance. Keep the unit clean and dry to ensure optimal performance.

- **Cleaning:** Wipe the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Environmental Conditions:** Ensure the unit is placed in a well-ventilated area, away from direct sunlight, excessive heat, or moisture.
- **Software Updates:** Periodically check the app store for updates to the JBL LED Solar Control app to ensure you have the latest features and bug fixes.

8. TROUBLESHOOTING

If you encounter issues with your JBL LED Solar Control Unit, please refer to the following common solutions:

- **Unit Not Responding:**
 - Check if the power supply to the LED Solar system is connected and active.
 - Ensure the control unit's cables are securely connected to the LED lamps.
 - Try restarting the control unit by disconnecting and reconnecting its power supply.
- **App Connection Issues:**
 - Ensure Bluetooth is enabled on your smartphone.
 - Make sure your smartphone is within range of the control unit.
 - Close and reopen the JBL LED Solar Control app.
 - If issues persist, try unpairing and re-pairing the device in the app settings.
- **Lamps Not Changing Settings:**
 - Verify that the correct lamp (Nature or Effect) is selected in the app for adjustment.
 - Check the physical connections between the control unit and the lamps.

For further assistance, consult the in-app help section or contact JBL customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	JBL
Manufacturer	JBL GmbH & Co. KG
Model Number	6191800
Product Dimensions (L x W x H)	10 x 2.3 x 6 cm
Item Weight	114 g
Color	Black
Material	Plastic
Number of Controllable Lamps	2 (1x Nature, 1x Effect)
Included Components	1x JBL LED Solar Control Unit
Voltage	12 Volts (DC)
Special Features	App-controlled
Control Technology	Infrared (replaces existing IR receiver)
Power Source	12V DC (via JBL LED Solar system)
Batteries Required	No
Software Updates	Information not available
Spare Part Availability	Information unavailable

10. WARRANTY AND SUPPORT

The JBL LED Solar Control Unit typically comes with a 2+2 year guarantee, subject to registration and specific terms and conditions. Please refer to the warranty information provided with your purchase or visit the official JBL website for details.

For technical support, product inquiries, or warranty claims, please contact JBL customer service through their official website or the contact information provided in your product packaging.

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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