

DMX3

TRANSFORMER/CONTROLLER



INSTALLATION GUIDE

ABBA LIGHTING USA

Thank you for choosing our high-quality product. To ensure the best possible experience, please take a moment to carefully read and follow all instructions before assembly, installation, and use. Doing so will not only guarantee proper function and safety but also help you maximize the full potential of this exceptional product. We truly appreciate your business and are honored to be your trusted provider of top-notch products!



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WEBSITE



CATALOG



(800) 360-2960



ABBALightingUSA@gmail.com



7701 Alabama Ave, Canoga Park, CA 91304

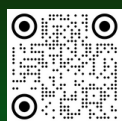
WARNING

TO REDUCE THE RISK OF FIRE OR INJURY TO PERSONS:

- ✓ Please exercise caution when using the lamp, as it tends to HEAT up rapidly. We recommend taking necessary safety measures to ensure optimal usage.
- ✓ For your safety, please refrain from touching the HOT lens, guard, or enclosure. We recommend waiting for the product to cool down before handling it.
- ✓ To prevent any fire hazards, please ensure that the lamp is kept away from materials that may easily catch fire. We appreciate your cooperation in maintaining a safe and secure environment.
- ✓ For safety reasons, we recommend that only a qualified professional install this electrical product.
- ✓ Before attempting to install this unit, ensure all power connections are off for your own safety.

WARRANTY

- We stand behind the quality of our product and offer a 2 Year warranty. Kindly ensure that you keep the proof of purchase as it will be required for any warranty claims.
- Warranty will be void if there is any damage due to improper usage or modification to the fixture.
- Failure to comply with the instruction in this manual may increase the risk of damage or injury and will void warranty.



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DO NOT INSTALL WITHIN 10 FEET OF A POOL, SPA OR FOUNTAIN

PRODUCT OVERVIEW

Transform your outdoor lighting with the DMX31 12V DC 120W LED Power Supply, a streamlined, user-friendly solution designed specifically for controlling Abba Lighting's CRG31 RGBW Brick Light. Blending simplicity and sophistication, this intelligent controller delivers vibrant RGBW lighting with a single button—making it perfect for homeowners and professionals seeking elegant performance without technical complexity.

KEY FEATURES & BENEFITS

Intuitive Single-Button Control

Seamlessly switch between dynamic lighting modes using a single, easy-to-use button —no complicated programming or mobile apps required.

Low-Voltage Efficiency, High-Power Capability

Powers up to 120W of RGBW lighting on 12V DC, ensuring consistent brightness and smooth color transitions throughout your outdoor space.

Simple Installation, Built for Everyday Use

With a built-in transformer to directly connect, the DMX31 eliminates the need for external converters or complex wiring—making it a breeze to install for DIYers and lighting professionals alike.



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IP20 Rating for Protective Use Indoors or Sheltered Areas

While not waterproof-rated, its IP20 housing is ideal for dry or semi-protected installations such as pergolas, patios, or junction boxes.

IDEAL APPLICATIONS

- Highlighting trees, shrubs, and garden features
- Illuminating architectural elements and facades
- Accent lighting for pathways and walkways
- Enhancing outdoor living spaces like patios and decks
- Adding security lighting around entrances and driveways

IMPORTANT SAFETY INFORMATION

To ensure optimal performance and safety, always use our fixtures ONLY with a low-voltage landscape transformer. This transformer reduces the voltage from 120V to 12V, making it safe and suitable for outdoor use. Failure to follow these guidelines may result in electrical hazards or damage to the fixture.



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STEP-BY-STEP INSTALLATION INSTRUCTIONS

Step 1: Plan Your Layout

- **Determine Placement:** Choose the path or area where the lights will be installed. Measure the distance between lights to ensure even illumination. A typical spacing is 6–10 feet apart, depending on the desired light spread.

Consider Power Source: Ensure that the dmx31 can be connected to a suitable power source.

- **The power supply comes with pre-labeled colored wires for easy connection.**

Wire (Controller)	Connects To
 Blue	Blue
 Yellow	Yellow
 Green	Green
 Brown	Brown
 White	White
 Red	Red



CRG WIRE
AVAILABLE IN 250, 500 FT.
(SOLD SEPARATELY)



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Step 2: Wire Connection Instructions

Strip the insulation: Carefully strip approximately $\frac{3}{4}$ inch (1.9 cm) of insulation from the ends of the two wires to be connected. Ensure that the exposed metal ends are clean and free of frayed strands.

Align the wires: Hold the stripped ends of both wires together, making sure they are neatly aligned with no stray strands crossing over.

Twist the wire nut: Firmly twist the wire nut clockwise onto the wires until it is tight and secure.

Insert the wires into the wire nut: Push the aligned wire ends all the way into the wire nut, ensuring that the bare metal is fully covered.

Test the connection: Gently tug on each wire to ensure they are firmly held in place and will not come loose.

Inspect the connection: Ensure that no exposed wires or loose strands are visible. If the connection is not secure, remove the wire nut and repeat the process.

⚠ Note: Always follow local electrical codes and regulations when performing electrical work. If unsure or uncomfortable with electrical tasks, consult a qualified electrician. Safety should always be a top priority.



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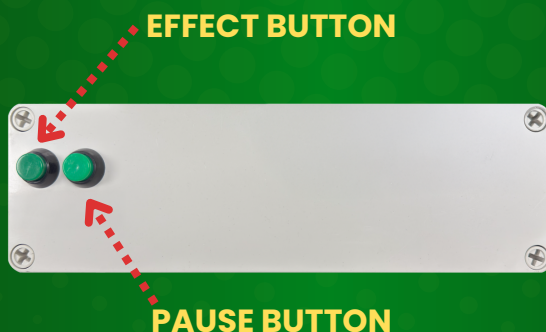
Step 7: Power On & Final Adjustments

- Turn on the power to test the fixture.
- Verify proper operation before completing the installation.
- Bury the main cable underground for safety and protection from external elements.
- Do not exceed the maximum wattage specified for the fixture to prevent overheating or damage.
- Regularly inspect and maintain your lighting system to ensure long-term reliability.

The DMX31 controller is equipped with two buttons:

Effect Button – Allows you to cycle through and select different colors for your fixture.

Pause Button – Locks the current color in place so it cannot be changed, even if the Effect Button is pressed.



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To select and lock a color:

Press the Effect Button until you reach your desired color.
Press the **Pause** Button to lock the color. The fixture will remain fixed on that color, regardless of further Effect Button presses.

To unlock:

Simply press the Pause Button again, and you may continue changing colors with the Effect Button.



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MAINTENANCE TIPS

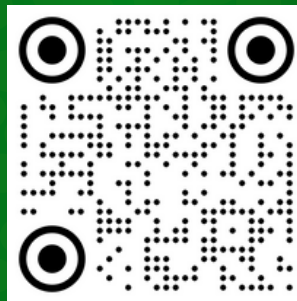
- **Regular Inspection:** Periodically check the fixture to ensure they are still securely mounted and functioning correctly.

SAFETY PRECAUTIONS

- Always wear appropriate safety gear, such as gloves and safety glasses, during installation.
- Ensure the mounting surface is capable of supporting the weight of both the bracket and the lighting fixture.

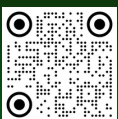
ADDITIONAL RESOURCES

For a detailed video tutorial on how to install, visit our YouTube channel and search for "DMX31"



Please visit our website for more of our products.

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