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Gemstone GM03 Hub2 Controller User Manual

Contents

GEMSTONE

Gemstone GM03 Hub2 Controller

Product Specifications

- Work voltage: DC 5V-24V
- Maximum current: max. 4A
- Maximum power: 96W

Product Description

The Gemstone Lights HUB2 controller provides the ultimate in quality, flexibility, and upgradability. The Controller functions using both WiFi & Bluetooth connectivity. Get started by simply downloading the Gemstone Lights Hub app, found on the Google Play Store for Android or the App Store for iOS.

Product Usage Instructions

Step 1: Download the App
To begin using the Gemstone Lights HUB2 controller, you need to download the Gemstone Lights Hub app from either the Google Play Store for Android or the App Store for iOS. Search for "Gemstone Lights Hub" and install the app on your smartphone or tablet.

Step 2: Connect the Controller
Connect the Gemstone Lights HUB2 controller to a power source using a DC 5V-24V power supply. Ensure that the maximum current does not exceed 4A and the maximum power does not exceed 96W. Make sure the power supply is compatible with the controller's requirements.

Step 3: Pairing with the App
Launch the Gemstone Lights Hub app on your smartphone or tablet. Follow the on-screen instructions to pair the app with the HUB2 controller. This may involve connecting to the controller's WiFi or Bluetooth signal and entering a pairing code or password. Refer to the app's user instructions for detailed pairing steps.

Step 4: Controller Functions
The Gemstone Lights HUB2 controller offers various functions that can be controlled through the app:

- Dimming: Adjust the brightness of the lights connected to the controller.

- Switching On and Off: Turn the lights on or off using the app.

- Remote Control: Control the lights from a distance using the app.

- Scene Control: Create and activate different lighting scenes.

- Group Control: Control multiple lights or groups of lights simultaneously.

Step 5: Factory Reset

If you need to reset the controller to its factory default settings, press and hold the on-off button on the controller for at least 3 seconds. This will restore the controller to its original settings.

Step 6: Additional Information

For detailed user instructions, please refer to the user manual available in the Gemstone Lights Hub app. The app provides comprehensive information on using the controller and its features.

Safety and Considerations

- Ensure that the power supply voltage is within the specified range of DC 5V-24V to avoid damaging the controller.

- Do not exceed the maximum current of 4A or the maximum power of 96W, as this may cause overheating or other malfunctions.

- Follow all safety guidelines and precautions provided in the user manual and app to prevent accidents or damage to the controller and connected lights.

Frequently Asked Questions (FAQ)

- Q: How do I change the mode using the on-off button?
  A: To switch between different modes, simply short-press the on-off button on the controller. The available modes may vary depending on the specific functions supported by the Gemstone Lights Hub app.

- Q: How do I restore the controller to factory default settings?
  A: Long press the on-off button on the controller for at least 3 seconds. This will reset the controller to its original factory settings.

- Q: Where can I find more detailed instructions?
  A: For detailed user instructions, please download the Gemstone Lights Hub app from the Google Play Store or the App Store. The app provides comprehensive information on using the controller and its features.

Product Description

The Gemstone Lights HUB2 controller provides the ultimate in quality, flexibility, and upgradability. The Controller functions using both WiFi & Bluetooth connectivity. Get started by simply downloading the Gemstone Lights Hub app, found on the Google Play Store for Android or the App Store for iOS.

Product Parameters

- Work voltage:DC 5V-24V

- Maximum current: max. 4A;

- Maximum power:96W

- Control type: SPI Signal Output
- Work environment: Indoor
- Work temperature:-30℃~40℃
- Storage and Shipment temperature:-40°C~80°C

Function descriptions

- The controller can realize dimming, switching on and off, remote control, scene control and group control. Specific functions are subject to the actual functions of the APP. The controller has an on-off button. A short press of the button can realize the mode switch, while a long press of the button above 3s will restore the controller to factory default settings.
- The Controller must work with the specific app, for detailed user instructions, please download the app Gemstone Lights HUB from the app store.

Safety and Considerations

1. The product is designed for field installation on an end product or on the wall by the National Electrical Code (NEC) (ANSI/NFPA 70), Canadian Electric Code, Part 1 (CEC), and local codes by a qualified technician.
2. When the controller is installed, AC should be disconnected from all products. No power should be attached when wiring or installing the lights. After the lights and wires are connected to the controller, the controller can then be connected to the unpowered driver (power supply). Complete the installation by powering the driver to AC power.
3. The product is not waterproof and is designed for use in a dry environment only.
4. Follow the manufacturer's requirements for power.
5. If wires or cables are damaged, power off the device and have the unit repaired or replaced.
6. Failing to comply may void the warranty on the system.

Warning:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, under Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used by the instructions, may cause harmful interference to radio communications. However. there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

NOTE: This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna nr transmitter.

Documents / Resources

	Gemstone GM03 Hub2 Controller [pdf] User Manual GM03 Hub2 Controller, GM03, Hub2 Controller, Controller

References

- **User Manual**