



WLED Signal Amplifier User Instruction

GL-BS-001WL

Product Overview

1. The WLED amplifier is designed for correcting digital light strip signals, addressing various issues that arise from excessively long wiring of light strips, such as automatic flickering and color change.
2. By connecting the WLED amplifier between the WLED controller and the light strip, these abnormal phenomena can be effectively eliminated.
3. Its core function is that the WLED amplifier can correct signal distortion caused by long-distance transmission, ensuring that the signal received by the light strip is stable and accurate, thereby restoring normal lighting display effects.

Product Parameter

Product Model: GL-BS-001WL

Input Voltage: 5-12-24-36-48V

Total Output Current: 20A Max

Material: Fireproof PC

Operating Temperature: -20~45°C

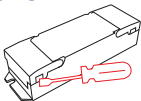
Size: 115x35x24mm



Multi-stranded wires are better than single stranded wires for high currents.

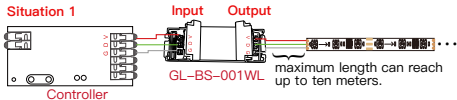
Wiring Instructions

1. Use a flathead screwdriver to open the housing on both sides of the signal amplifier.

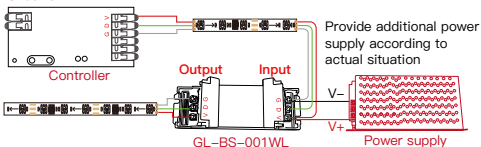


2. Please connect the WLED amplifier between WLED controller and light strip.

Situation 1

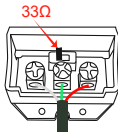


Situation 2

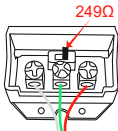


Note: Don't reverse the connections of the signal amplifier ports, otherwise it may damage the signal amplifier.

Output resistance description



Please choose 33Ω resistor to signal calibration when the V+, DATA, and GND of the light strip are all wrap in the same cable.



Please choose 249Ω resistor to signal calibration when the V+, DATA, and GND of the light strip are separate wires.



Attention

1. The Signal Amplifier does not change the voltage, the power supply needs to be selected based on the voltage and current requirements of the LED strip.
2. Before turning on the power, please ensure that all wiring is correct and secure. Do not operate while the power is on.
3. Please use wires with good conductivity and ensure secure connection to prevent excessive current from causing high temperature.