RGB Amplifier Instruction Manual

Overview

This compact RGB Amplifier is designed to duplicate an RGB Signal from one LED device to another allowing multiple lengths of ProFlex or RGB Light panels to be "daisy chained" together and controlled without the requirement of additional RGB controllers.

Note: A 24v Power supply must be connected to the RGB Amplifier. Do not exceed the total output rating of the Power Supply Unit (PSU).

Set Up

The RGB Amplifier can receive an RGB input signal either from the RGB controller or from the output side of the device which is being controlled. It must be powered by a 24v power source which can be taken either from the original PSU or from an additional PSU positioned locally to it.

The RGB Amplifier can control up to 2 x 5m lengths of ProFlex or 3 x RGB Light panels, so care must be taken not to exceed the overall rating of the PSU that supplies the flex.

Connecting the RGB Amplifier

Refer to the appropriate schematic diagram for the installation that is to be carried out. Decide how devices are to be used in the installation and where they are to be sited. At this stage the RGB Amplifiers can be positioned to suite.

1. Connect the RGB output signal that you wish to amplify to the input terminals on the RGB Amplifier taking care to connect the "+", "R", "G" & "B" wires to the appropriate terminals.
2. Connect the RGB output signal from the RGB Amplifier to the device that you wish the signal to be transferred to, taking care to connect the "+", "R", "G" & "B" wires to the appropriate terminals.
3. Connect a 24v supply to either the 24v Input jack socket or the 24v terminal on the RGB Amplifier.

Operation

Once connected together and the system is powered on, the RGB signal from the input on the RGB Amplifier will be transferred to the device connected to the output terminals on the RGB Amplifier.