

## **LED RGB Controller / Zoner User Manual**

### **Specifications**

12 x DMX Channels  
Power Input 12v or 24v DC  
Power Consumption: 200w  
Power Output: 12v & 24v (Dependant on input voltage)  
4 x 4pin terminal sockets for LED Flex

### **Features**

Powers and controls up to 4 x 5m lengths of 14.4w / metre RGB Flex  
Four Channel Zoning (DMX Mode 3)  
DMX 512 Controllable (Three Modes)  
DMX Linkable (3pin XLR)  
Stand Alone mode  
Master / Slave Operation  
Compatible with LED Technologies Easy Controller  
Built in adjustable programs for Colour Fade and Colour Chase  
Static Colour Selection with dimming  
LED Digital interface for ease of operation.

### **Important Notes**

The LED controller will control either 12v or 24v LED lighting units up to a maximum of 72w per channel. Before setting up, you will need a suitable 12 v or 24v Power supply, with a minimum output of 300w to suite the LED units that you are controlling. We would recommend using the LED Technologies 350w PSU which will provide ample power for your "ProFlex" controller.

### **Set Up for RGB ProFlex & RGB Light Panels**

The LED controller will power and control the following LED units:

1. 4 x 5m lengths of 14.4w / metre ProFlex
2. 4 x 600 x 600 RGB Light Panels

Note: Up to 75m of 4 core 2.5mm sq. cable can be connected between the LED controller and the LED Fixture.

Please ensure that you do not connect more than a total of 5m of ProFlex or 4 x RGB Light Panels to each channel.

If additional LED units are required then an RGB Amplifier and separate PSU will be needed (See schematic diagrams).

### **Set Up**

Connect the Zoner to a suitable 24v PSU. We recommend using the LED Technologies 24v 350w PSU for best results.

Connect the LED Lighting to the output terminals of the Zoner.

If required, connect a suitable DMX controller to the DMX input socket on the side of the Zoner. We recommend using the LED Technologies Easy Controller if Zoning is not required. If Zoning is required then connect a standard DMX 512 controller with a minimum of 12 x channels.

Multiple Zoner's' can be daisy chained together for DMX using a suitable DMX lead fitter with 3 pin XLR Connectors.

## **Operation**

Apply power to the Zoner and set up the display to one of the following modes:

### **DMX Mode 1**

This will access the various in-built programs on the Zoner.

Press the **"MODE"** button until **"34 DMX Receiver 1" "MODE SET UP DOWN"** is displayed. Press **"SET"** and then press the **"UP"** & **"DOWN"** buttons set the required DMX Address.

Connect a suitable DMX Controller to the Zoner then by operating channel one on the DMX Desk, select the required program built into the Zoner (see program list).

### **DMX Mode 2**

This will enable control of all four RGB outputs on the Zoner together.

Press the **"MODE"** button until **"35 DMX Receiver 2" "MODE SET UP DOWN"** is displayed. Press **"SET"** and then press the **"UP"** & **"DOWN"** buttons set the required DMX Address.

Connect either the LED Technologies Easy Controller or a suitable 3 x Channel DMX Controller to the Zoner then by operating channels 1, 2 & 3 on the DMX Desk the RGB Colours can be adjusted.

### **DMX Mode 3 (Zoning)**

This will enable a 12 x Channel DMX controller to control all four RGB outputs on the Zoner enabling four separately adjustable zones.

Press the **"MODE"** button until **"36 DMX Receiver 3" "MODE SET UP DOWN"** is displayed. Press **"SET"** and then press the **"UP"** & **"DOWN"** buttons set the required DMX Address.

Connect a suitable 12 x Channel DMX Controller to the Zoner. Using Channels 1 to 3, 4 to 6, 7 to 9 & 10 to 12 on the DMX controller the RGB on each Zone 1 – 4 respectively can be accessed.

### **Stand Alone Built in Programs**

Various programs can be selected using the control buttons in conjunction with the LED Display on the Zoner. Press the **"MODE"** button, the first two digits on the LED Display **"XX"** displays the program running where **"XX"** is a program number between **"01"** & **"33"**

Pressing the **"UP"** & **"DOWN"** buttons will select the various programs.

Programs 01 to 07: Static Colours  
Program 08: 7 - colour chase sequence including white  
Program 09: 6 - colour chase sequence no white  
Program 10: 7 - colour flash sequence including white  
Programs 11 to 14: Various combinations of colour chases from RG to RGB  
Programs 15 to 18: Various combinations of colour flashes from RG to RGB  
Program 19: RGB smooth mixes  
Programs 20 to 22: Various two colour smooth mixes  
Programs 23 to 29: Various twin and single colour "Pulse" fade to black mixes  
Program 30: Red Dimming  
Program 31: Green Dimming  
Program 32: Blue Dimming  
Program 33: RGB Colour Mixing

Where a programs speed or brightness is adjustable a further option of **"SET"** is shown on the LED Display. Pressing **"SET"** followed by the up and down buttons while the selected program is running, will increase or decrease the programs run speed or in the case of colour mixing, will increase or decrease the brightness of the colour selected.

### **Wireless Remote Control (Optional)**

The optional wireless remote control transmitter will enable program selection and speed / brightness adjustment.

#### **Operation**

Extend the aerial on the Remote Control unit transmitter.

Button "**A**" will scroll up through the programs

Button "**D**" will scroll down through the programs

When a program is selected, if the program has further adjustment, i.e. speed or brightness, button "**B**" will increase the speed or brightness of the program and button "**C**" will decrease the speed or brightness of the program.

Pressing "**A**" or "**D**" at any point will return to selecting the programs.