

## RGB MK2 RF Remote & RF Receiver Instruction Manual

### **Features**

#### **Remote Controller**

Compact Ergonomic Design  
Power On / Off Button  
Instant "White" Select Button  
Variable Colour Select Disc  
Brightness Control (All Modes)  
Colour Program Selection  
Program Run Speed Control

#### **RF Receiver**

Designed to control RGB ProFlex and / or LED Light Panels  
Compact Design, can be mounted to suite most installation requirements  
12v & 24v Input / 18A Output Current  
Built in Antenna

#### **Set Up**

Connect the LED lighting units to the terminal block on the side of the RF Receiver. Take care to connect the Red, Green & Blue connections to the appropriate terminals. Connect a suitable 12v or 24v power supply to either the "Power Input" terminals or the "Power Input" Jack Socket.

#### **Important**

Before connecting the PSU to the mains electricity supply for the first time, please fit 3 x AAA batteries into the hand held remote control transmitter unit. This needs to be done at this stage as the remote control transmitter may need to be paired with the RF Receiver Unit.

To test if the remote control transmitter is paired to the receiver, plug in the PSU and then press the Red Power button on the remote. If the LED lighting respond to the remote then no further pairing is necessary. If it does not respond then remove the power from the PSU and follow the procedure for pairing a new remote control transmitter as detailed below.

#### **Pairing the Remote Control Transmitter**

This should only need to be done once, but if for any reason the LED lighting does not respond to the remote transmitter, try pairing the unit again.

After setting up the LED lighting units as detailed above apply power to the RF Receiver then press the "Brightness Increase" key (top key on the remote controller) once within 3 seconds of the power being applied to the RF Receiver. The LED unit should flash three times to indicate that the remote control has been successfully paired to the RF receiver.

To clear a paired remote control unit, remove power from the RF Receiver and then re-apply the power. Press the "Brightness Increase" key four times within 3 seconds of the power being applied. The LED unit should flash six times to indicate that the remote control has been successfully removed from the RF receiver.

#### **Remote Operation**

After applying power to the unit the LED's would normally illuminate white. White on an RGB unit is composed of Red Green & Blue so is normally tinted a light blue.

#### **Switching on the LED Unit**

Once powered on for the first time and paired with the remote control unit, the LED Lighting can then be switched on and off using the central Red Button on the remote control unit. Unless necessary there is no need to remove power to the PSU; the LED lighting should be switched on / off using the remote control.

#### **Adjusting the Brightness**

Control over the brightness is achieved using the "UP" & "DOWN" buttons (situated above and below the red power button). By pressing the buttons, the LED brightness will increase or decrease in 8 stages. If the brightness is adjusted and then the unit is then switched off using the remote control, when it is switched back on, the level of brightness selected will be resumed.

**Note:** When in program mode pressing the “UP” & “DOWN” buttons will control the speed at which the program runs.

### **Selecting White**

Switch on the LED lighting using the red power button as detailed above then press the “White Select Button” (situated to the right of the red power button).

**Note:** White on an RGB unit is composed of Red Green & Blue so is normally tinted a light blue.

### **Colour Selection Modes**

There are two colour modes selectable by the remote control, manual colour selection and colour program mode.

### **Manual Colour Selection**

To adjust the colour manually, i.e. Select or mix your own colour, switch on the LED unit using the red power button then press the “White Select” button twice. The LED unit will then illuminate in the last colour selected. The colour can then be manually adjusted by running your finger around the “Colour Disc” on the remote control unit.

**Note:** When the LED unit is switched on it will illuminate in the last colour or white as selected at power off.

### **Colour Program Mode**

There are 15 different selectable colour programs built into the unit. Some programs are adjustable to vary the speed at which the program runs and other programs are dimmable.

Press the “Program Select” button to the left of the “ON / “OFF” button to select a program. The programs are selected by repeatedly pressing the “Program Select” button and are selected in the order listed below.

### **Program Listing**

<b><u>Program No</u></b>	<b><u>Effect</u></b>	<b><u>Additional Effect</u></b>
1.....	Slow Colour Fade.....	Dimmable
2.....	Three Colours Chase.....	Speed adjustment
3.....	Seven Colours Chase.....	Speed adjustment
4.....	Three Colour Fade to Change.....	Speed Adjustment
5.....	Seven Colour Fade to Change.....	Speed Adjustment
6.....	Red Pulsing.....	Dimmable
7.....	Blue Pulsing.....	Dimmable
8.....	Purple Pulsing.....	Dimmable
9.....	Green Pulsing.....	Dimmable
10.....	Yellow Pulsing.....	Dimmable
11.....	Cyan Pulsing.....	Dimmable
12.....	White Pulsing.....	Dimmable
13.....	Red to Blue Colour Chase.....	Speed Adjustment
14.....	Green to Blue Colour Chase.....	Speed Adjustment
15.....	Red to Green Colour Chase.....	Speed Adjustment

### **Changing the Batteries in the Remote Control Unit**

If the Remote Control unit does not respond or if the range of the unit seems diminished then it may be time to change the batteries.

To replace the batteries, remove the battery cover by sliding it towards the bottom of the remote control unit. Only install good quality, long life AAA size batteries. Take care to install the batteries so that the spring locates to the negative terminal on the battery.

**Note:** Do not touch or press the colour disc whilst changing the batteries as this may affect its sensitivity. Should the colour disc not respond to the touch, or appear to be less sensitive, try removing and reinserting the batteries.

**Important:** When new batteries have been installed, test the Rainbow Touch Controller. Should the LED unit not respond to the remote control, try pairing the remote controller again.