RGBWA Easy Controller User Manual

Specification

Dimensions: 32cm x 19.5cm (Allow another 7cm for cable access) x 5.5cm
Weight: 0.5kg
Input Power: 9 – 12v DC 300mA min (Centre Pin +)

Features

Option to Control up to four RGBWA Units independently
LED Digital Display
Instant Blackout Feature
Auto Run
Instant Colour Hold
Instant Popular Colour Selection
0 – 100% Dimmers for RGBWA Colour Mixing
Adjustable Strobe Effect
Sound to Light Function with Sensitivity Control
DMX Fog machine "Burst Button" (Fog machine not supplied)
Program Mode for various Built In programs with various adjustable parameters

Set Up

The RGBWA Easy Controller is designed to control the SlenderLed Style RGBWA Quinn Colour uplighter. It can control all your RGBWA uplighters together by setting them all to the same DMX Address, or alternatively it can control up to four uplighters or four sets of uplighters independently of each other by setting them to four different DMX addresses.

Preparation

First, link all the uplighters together in a "daisy chain" using the optional DMX Link Cables. You can link as many uplighters together with DMX cables as you like.

Ensure that a DMX lead is connected to the **DMX OUT** socket on the rear of the Easy Controller and to the **DMX IN** socket on the first uplighter in the chain.

Connect the 12v Power adapter (supplied) into a suitable mains supply and plug the power jack into the DC Input socket on the rear of the Easy Controller.

You must also plug each uplighter into a 13A socket using the IEC to 13A plug supplied with your uplighters or the optional IEC to IEC Link Leads.

Note: It is important to set the **DMX MODE** on your uplighters to **Ch08** for all modes of operation (see the SlenderLed Style RGBWA Manual for details).

The **DMX ADDRESSES** on the uplighters should be set as detailed in the following examples depending on how you would like them to operate.

Easy Controller Operation (All Uplighters together)

If you want all your uplighters to display the same colour together, then you need to set them all to the same **DMX ADDRESS** which should be **001**, or you can set the uplighters to **SLAVE MODE** if you prefer.

Follow the instructions detailed in your uplighter manual to set each uplighter to **DMX MODE Ch08** and the **DMX ADDRESS** to **001** or **SLAVE MODE**.

Manual Colour Mixing

Once power is applied to the Easy Controller (as above) the Yellow indicator light and the Digital Display will flash. This indicates that Blackout is active (all units off).

Press the **BLACKOUT** button (Yellow indicator light will go out) and the digital display will stop flashing.

Press the **COLOUR SELECT** button, the upper digital display will now read **PAR 1** which refers to all the uplighters that are set to **DMX Address 001.**

The Lower Digital Display will read: **DXXX FXXX RXXX GXXX BXXX** where **X** is a number between **000 & 255**. These numbers are the values of the following functions:

D = MASTER DIMMER, **F = FLASH**, **R = RED**, **G = GREEN** and **B = BLUE**

Adjust the **MASTER DIMMER** slider to **D255**; next adjust the values of **R, G, & B** sliders to mix the **RED**, **GREEN** & **BLUE** colours.

To adjust the **White & Amber** colours press the **UP** button under the digital display.

Note: The upper digital display still reads **PAR1** as you are still controlling all the uplighters that are set to DMX Address 001.

The lower level of the display however will now read: **DXXX FXXX AXXX WXXX** where **X** is a number between **000 & 255**. These numbers are the values of the following functions:

D = MASTER DIMMER, **F = FLASH**, **A = AMBER**, **W = WHITE**

Adjust the Master Dimmer slider to **D255**; then adjust the values of **W & A** to mix the **White & Amber** colours.

Note: If the values of the **R, G, or B** sliders have not been set to **000**, you will be adding the White and Amber colours to the **R, G & B** values previously set. If you wish to just have Amber or White on then make sure you set the **R, G & B** values to **000** before you press the **UP** button.

Press the **DOWN** button to return to the **R, G & B** adjustment.

Play around with the different slider values to mix your own colours. You will note that when a colour is mixed, by adjusting the **MASTER DIMMER** you can increase or decrease the overall brightness of the mixed colour.

By increasing the value of the **FLASH** slider you can add a **STROBE** effect to your mixed colour if required.

Pressing the **HOLD** button will freeze the mixed colour, press **HOLD** again to cancel.

Easy Controller Operation (Up to Four Uplighters Individually)

Prepare all your uplighters and link them together using DMX link leads as detailed previously.

IMPORTANT: Please note that in this mode, although up to four uplighters or sets of uplighters can be manually controlled for colour mixing, the **PRE - MIXED COLOUR**, **SOUND ACTIVE**, **PROGRAM SELECT and AUTO RUN** functions override the individual control feature. This is because the above features apply to all uplighters connected to the Easy Controller as some effects are enhanced when multiple units are connected together and addressed differently.

Manual Colour Mixing

If you would like to manually colour mix up to four uplighters or up to four sets of uplighters independently, then you need to assign a different DMX Addresses to each uplighter or each set of uplighters (max four sets / addresses).

As each uplighter uses Eight DMX positions, individual uplighters or sets of uplighters need to be assigned a DMX Address eight positions apart.

Example: You have four uplighters that you want to mix colours on individually.

Uplighter 1: Set to **DMX Address 001**.
Uplighter 2: Add eight more DMX values so set to **DMX Address 009.**
Uplighter 3: Add eight more DMX values so set to **DMX Address 017.**
Uplighter 4: Add eight more DMX values so set to **DMX Address 025.**

Setting Four Sets of uplighters

If you would like to manually colour mix up to four sets of uplighters independently, you need to assign a different DMX Addresses to each set of uplighters.

Example: You have twelve uplighters and you want to split them into four sets of three and colour mix a different colour for each set.

Uplighters 1, 2 & 3: Set these to **DMX Address 001**.
Uplighters 4, 5 & 6: Set these to **DMX Address 009.**
Uplighters 7, 8 & 9: Set these to **DMX Address 017.**
Uplighters 10, 11 & 12: Set these to **DMX Address 025.**

In other words all the uplighters that share the same address will do the same thing together, so you could have four sets of twelve uplighters, as long as each uplighter in a set is assigned the same address they will all do the same thing.

Manual Colour Mixing Individual Units

Once you have set up the required number of uplighters to the four different addresses, follow the instructions for colour mixing as previously detailed, you will notice that only the uplighters that are assigned **DMX Address 001** will respond to the controls.

To manually colour mix the uplighters assigned to **DMX Address 009**, press the **UP** button until the upper digital display reads **PAR2,** follow the instructions for colour mixing as previously detailed, you will notice that only the uplighters that are assigned **DMX Address 009** will respond to the controls.

To manually colour mix the uplighters assigned to **DMX Address 017**, press the **UP** button until the upper digital display reads **PAR3, f**ollow the instructions for colour mixing as previously detailed, you will notice that only the uplighters that are assigned **DMX Address 017** will respond to the controls.

To manually colour mix the uplighters assigned to **DMX Address 025**, press the **UP** button until the upper digital display reads **PAR4, f**ollow the instructions for colour mixing as previously detailed, you will notice that only the uplighters that are assigned **DMX Address 024** will respond to the controls.

Instant Colour Selection

Press **COLOUR SELECT** then press one of the **HOLD COLOUR** buttons on the left hand side of the Easy Controller to select one of 9 pre-mixed colours.

Note: Pressing another pre-mixed colour will cancel the preceding colour or mixed colour. Also when a colour button is selected, it is then possible to add or vary the colour by using the **R, G, B, W & A** faders however; adjusting the fader associated with the colour selected will override the selection.

Pressing the **HOLD** Button will freeze the last colour selected or mixed.

The **HOLD** button will prevent all other buttons from operating until pressed again. Pressing midway through a program will also freeze a program. To continue running the program, press the **HOLD** button again.

Note: Instant colour selection overrides the individual control of colour selection and applies the Instant Colour feature to all the uplighters irrespective of the DMX Address setting.

Sound to Light Operation

Pressing the Sound Active button will place the unit in the Sound to Light Mode. The Easy Controller will then run through the built in programs to the beat of the music using the on board microphone to pick up the sound. Alternatively there is a mini Jack Socket on the rear of the unit for a more accurate wired sound source.

When in sound active mode the green sound indicator light over the colour select buttons will flash in time to the beat of the music.

When the Sound Active button is pressed the Upper Digital Display now reads:

DIM SEN

In addition the Lower Digital Display has a three digit value beneath each of these headers.

The digits below **DIM** refer to the Brightness of the LED's which can be adjusted.
The digits below **SEN** refer to the sensitivity of the Easy Controller to the sound source. By moving the Sensitivity fader the controller's reaction to the music can be adjusted to create the required effect.

Note: The Sound Active feature overrides the individual control of colour selection and applies the sound to light function to all the uplighters irrespective of the DMX Address setting.

Auto Run Operation (Internal Program Mode)

Pressing the Auto button (located above the Sound Active button) will activate the built in programs that will then run in sequence.

When Auto Run is selected, the Upper Digital Display now reads:

DIM FL SP
In addition the Lower Digital Display has a three digit value beneath each of these headers.

The digits below **DIM** refer to the Brightness of the LED's which can be adjusted.
The digits below **FL** refer to the speed of the Flash effect that can be incorporated.
The digits below **SP** refer to the program run speed which can be adjusted.

Note: Auto Run Mode overrides the individual control of colour selection and applies the Auto Run feature to all the uplighters irrespective of the DMX Address setting.

Program Select Mode

The Easy Controller has 11 built in programs plus **DIM**, **AUTO RUN & SOUND ACTIVE** that can be selected by pressing the **PROG SELECT** button and adjusting the **PROG SELECT** Slider.

When the PROG SELECT button is pressed the Upper Digital Display now reads:

PRO DIM FL
In addition the Lower Digital Display has a three digit value beneath each of these headers.

The digits below **PRO** refer to the Program number that is running.
The digits below **DIM** refer to the Brightness of the LED's.
The digits below **FL** refer to the speed of the Flash effect that can be incorporated.

When the **PROG** slider is at the bottom **DIM** is displayed on the lower digital display below **PRO**. This indicates that no program is running and the **RGBWA** Sliders can be used to mix a colour.

Move the **PROG** Slider up to see the 11 other programs that can be accessed.

Note: When the **PROG** slider is moved to a numbered program, an additional option **SP** is displayed on the upper digital display with corresponding digits below, this is to enable control of the program run speed.

For example **PROG 11** is a **FADE** Program that will allow all the connected uplighters to fade through all the available colours.

The Speed of the Program, the Brightness of the LED's, a Strobe feature and Sound Sensitivity can be adjusted accordingly using the corresponding Slider Control

Note: **Auto Run** and **Sound Active** are the next programs after Prog 11.
When **SOU** is selected (for sound active) the upper display changes to include a **SEN** option with associated digits below. This is to enable control of the sound sensitivity.

Note: Program Mode overrides the individual control of colour selection and applies the Program Feature to all the uplighters irrespective of the DMX Address setting.

Fogger Button (DMX Fog Machines Only)

Set your fog machine (not supplied) to **DMX ADDRESS 029** - **034**. Pressing the Fogger button will activate your fog machine.