PrimeRGB Controller

[figure 1]

PrimeRGB Controller is intended for fixed and sequenced colour illumination using LED rigid and flexible strips. This manual contains installing and programming instructions. Units are pre-programmed from factory with 20 memories.

1. Installing procedure

PrimeRGB Controller can be used with any 12V RGB LED strip or lamp. Always check your LED characteristics before connecting it to the PrimeRGB Controller unit. Follow the instructions below.

1.1. Make the wire connections to the strip (supplied separatelly) and the controller unit, using the RGBC terminals. Follow the correct wiring order. (see figure 2). [R-Red, G-Green, B-Blue, C-Common]

[figure 2]

1.2. Make the power supply (supplied separatelly) connection. Follow the correct wire colours, red for positive and black for negative (see figure 2).

1.3. Turn on the power supply and use the button 'Function' to change the memories.

2. Programming colours and sequences

To program new colours and sequences you must connect the PrimeRGB Controller to a computer. Softwares for Windows and MAC OS X are available. Follow the instructions below.

2.1. Connect the USB cable (supplied separatelly) to the PrimeRGB Controller and an USB computer port.

2.2. If you use Windows OS, you will be asked for the USB driver directory. Point to the Drivers directory (Check CD supplied with the USB cable or Primetec WEB page for support at www.primetec.pt).

3. Windows software
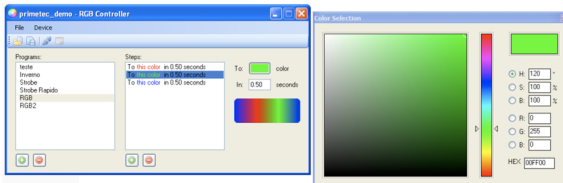
[figure 3]

3.1. Run the software application and click on the 'Connect' button to connect to the PrimeRGB Controller unit.

3.2. To create new memories click on the '+' button on the left column. Double click on the memory name to edit (see figure 3). To remove a memory click on the '-' button.

3.3. To add new colour steps click on the '+' on the right column. Choose the colour using the palette. To remove a colour step click on the '-' on the right column.

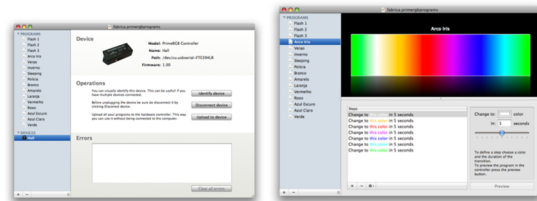3.4. Edit the transition time on the 'In:' textbox (time in seconds with 2 decimal places. Ex: 1,22 seg).

3.5. Check the available gradient for preview. Verify if the colour transitions correspond to your programming.

3.6. To add new colour steps, repeat 3.3. to 3.5.

3.7. To create a new memory, repeat 3.2 to 3.5.

3.8. To upload the memories to your PrimeRGB Controller unit click on the 'Upload' button.

4. MAC OS X software

[figure 4]

4.1. Run the application. The USB connection to your PrimeRGB Controller is made imediatly.

4.2. To create a memory click on the '+' button on the left column. Click on the memory name to edit (see figure 4). To remove a memory click on the '-' button.

4.3. Add colour steps on the right column. Click on the '+' button. Use the palette to change the colour. To remove a colour step click on the '-' button.

4.4. Use the 'In:' textbox to edit the transition time (in seconds with 2 decimal places. Ex: 1,22 seg).

4.5. Check the available gradient for preview. Verify if the colour transitions correspond to your programming.

4.6. To add new steps, repeat 4.3. to 4.5.

4.7. To create a new memory, repeat 4.2 to 4.5.

4.8. To upload the memories to your PrimeRGB Controller unit click on the 'Upload' button.

5. Technical characteristics

Voltage rating	12V DC
Maximum output power	60 W
Maximum output current	5 A
Operating temperature	0 to +55ºC

6. Acessories

PT-RGBUSB	USB cable for computer connection
PT-RGBCFLX	LED RGB flexible strip (1 meter multiples)
PT-RGBCFLXI	LED RGB flexible waterproof strip (1 meter multiples)
PT-RGBCRIG	LED RGB rigid, length 50cm
PT-PWR12W	Power Supply 12V – 1 A
PT-PWR60W	Power Supply12V – 5 A