

# COLORONIX COLORTAINMENT! CONTROLLER



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# Welcome

## **Congratulations and welcome to the Colortainment! Controller.**

The Colortainment! Controller is a revolutionary lighting control system which radically changes the way in which lighting and space are designed and how lighting combines with video and sound to create immersive entertainment experiences.


Electrify and enhance the mood of your venue with the Colortainment! Controller. Whether it's a club, bar, cinema, retailer or landmark lighting installation, the Colortainment! Controller will maximize the potential of RGBW LED lights and transforms your space into an ever changing dynamic environment. The character of your venue can be changed to create ambience and mood throughout the day. You can also synchronize your lights with sound and video to create amazing effects that your customers would love.

The Colortainment! Controller is powered by Color Ray technology which is the new standard in the creation and delivery of immersive entertainment experiences. You will be amazed by the stunning array of Color Ray lighting effects that change your space into an entertainment venue. Your LED lights can perform vibrant swirls, dynamic ripples, colorful bounces and energetic sways all in harmony with sound and video.

This is revolutionary and now you are part of it!



# Safety Instructions

 **CAUTION:** To reduce the risk of electric shock, do not remove cover. There are no user serviceable parts inside. Refer servicing to your installer or a qualified personnel.

## **Read Instructions**

All the safety and operating instructions should be read before appliance is operated.

## **Retain Instructions**

The safety and operating instructions should be retained for future reference.

## **Heed Warnings**

All warnings on the appliance and in the operating instructions should be adhered to.

## **Follow Instructions**

All operating and use instructions should be followed.

## **Water and Moisture**

This appliance must not be used near water.

## **Ventilation**

The appliance should be situated so that its location does not interfere with its ventilation. For example, the appliance should not be situated on soft furnishings, such as a sofa, that may block the ventilation of the Colortainment! Controller, or placed in an inadequately ventilated built-in installation that may impede the airflow to the appliance.

## **Heat**

The appliance should be situated away from heat sources such as radiators, or other appliances that produce heat. If the Colortainment! Controller is installed in a rack ensure that adequate space is maintained between the Colortainment! Controller and other items in the rack. It is suggested that 1U is left between the Colortainment! Controller and units above and below.

## **Power Sources**

The appliance must only be connected to the power supply indicated on the appliance.

## **Grounding and Polarization**

The appliance must be grounded. When using an extension power supply cable or a power supply cable other than that supplied with the appliance, it should be 3-core, fitted with the appropriate molded-on plugs and carry safety approval appropriate to the country of use.

## **Power Cable Protection**

Power supply cables should be routed so that they are not likely to be walked on or pitched by items placed on or against them, paying particular attention to the cable at the plug and the point where it exits from the appliance.

## **Cleaning**

The appliance should be cleaned with a soft cloth. No cleaning agents should be used.

### **Non-use periods**

The power cable should be unplugged from the outlet when left unused for a long period of time.

### **Foreign objects**

Care must be taken so that objects do not fall into the appliance, and that liquids are not spilled into the enclosure through openings.


### **Damage requiring Servicing**

The appliance must be serviced by a qualified personnel when:

- A The power-supply cable or the plug has been damaged; or
- B Objects have fallen, or liquid has been spilled into the appliance; or
- C The appliance has been exposed to rain; or
- D The appliance does not appear to operate normally, or exhibits a significant change in performance; or
- E The appliance has been dropped, or the enclosure has been damaged.

### **Servicing**

The user must not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

 **WARNING:** To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

Observe all warnings on the appliance.

To prevent electric shock, do not open the enclosure; there are no user serviceable parts inside.

To prevent electric shock, do not use this (polarized) power plug with an extension cable or other outlets unless the blades can be fully inserted to prevent blade exposure.

Ensure that the voltage indicated on the back panel matches that of the power supply.

### **Important for UK only:**

The wires in this mains lead are colored in accordance with the following code:

Blue: neutral  
Brown: live  
green/yellow: earth

As the colors of the wires in the mains lead of this apparatus may not correspond with the colored markings identifying the terminals in your plug, proceed as follows:

The green and yellow wire must be connected to the terminal in the plug, which is marked with the letter E, or by the earth symbol, or colored green or green and yellow.

The blue wire must be connected to the terminal, which is marked with the letter N or colored black.

The brown wire must be connected to the terminal which is marked with the letter L or colored red.

## Specifications

Power	Input Voltage	100-240V AC, 50 – 60Hz, 20W
Input	Video Audio Control Auxiliary Interface	Composite RCA/Phono Stereo RCA/Phono RS232 – 9 pin serial RJ45 (for future extensions), USB 2.0
Output	Lighting	Single Universe DMX 512 via 5 pin XLR
Physical	Form Factor Mounting Options Dimensions (Width x Depth x Height) Weight Operating Temperature Humidity	2U rack mount unit Rack mount ears or removable feet 19 x 14 x 3.5in (483 x 356 x 89mm) 8.82lb (4kg) 32° - 122°F (0° - 50°C) 8 -90%, non condensing
Certification and Safety	Ceritfication Environment	CE, FCC Dry Location, IP20
UI	Up to 12 Color Ray Modes Scheduler  One touch Override	Default or installer customized selection Weekly by Hour Scheduling of Color Ray Modes Instantly override any timetable with a fixed Color Ray Mode

## Front and Back Panel

### Front Panel



### Back Panel



#### Touchscreen

Easy to use Touchscreen interface allows you to navigate through pre-installed ambient lighting effects, change the daily schedule and alter the light settings.

#### Ethernet

For network connectivity and connection to other devices.

#### Video In

Allows LED lighting installation to be synchronized to video content, producing dynamic lighting effects.

#### Audio In

Connects LED lighting installation to an audio source for automated dynamic lighting effects synchronized to music.

#### RS232

Compatible connection to other devices and systems.

#### USB

For PC connection and use with PC based Color Ray applications.

#### DMX

Industry standard interface and connection to LED lighting installations. Single DMX 512 universe supported with 5 pin XLR connector.

#### Power

100 - 240V AC, 50-60Hz, 20W

## Turning on the Unit

Check that the power lead is connected to the Colortainment! Controller and turn on at the wall socket.

This powers up the your Colortainment! Controller. When start up is complete, the HOME screen will be displayed.



## The Touchscreen

### Using Tabs

The Touchscreen allows you to choose from the 12 Color Ray Modes, view and edit the timetable and adjust the light settings.

#### Window Tabs



**There are four screens chosen by touching the window tab:**

- The HOME screen is used to preview the 12 bespoke Color Ray Modes that your installer has designed and programmed for you.
- The TIMETABLE screen allows you to view the current lighting schedule on the seven day timetable chart, and alter it by hour for each day.
- The SETTINGS screen allows you to change the brightness and color saturation of the lights, and the transition time between presets.
- The CURRENT TIME screen allows you to set the current day and time.



## The Home Screen



Although the Colortainment! Controller comes pre-installed with 12 Color Ray Modes, installers will be able to create 12 new Color Ray Modes to suit your preferences precisely. A Color Ray Mode can automatically generate a near infinite combination of lighting effects triggered by audio, video and time.

Within each Color Ray Mode there are a set of rules which define how audio, video and light react with the space to generate mood.

Each mode has a defined base color palette and ambient effect. How audio and video react to those color palettes can then in turn be customized and layered over the base.

### *Using the HOME Screen*



Touch a Color Ray Mode icon to select it and override the current scheduled effects.

When you touch the icon, it will be highlighted to show your selection and its lighting effects will immediately be displayed in your room until it is deselected.

To deselect the Color Ray Mode touch the icon again and it will no longer be highlighted.

When no Color Ray Mode is selected, the Colortainment! Controller will return to playing the timetabled effects.

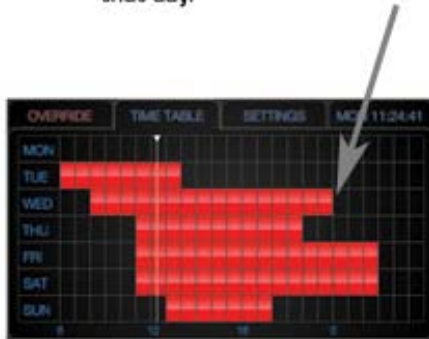
## The Timetable

Touch the **TIMETABLE** tab to display the week view schedule.

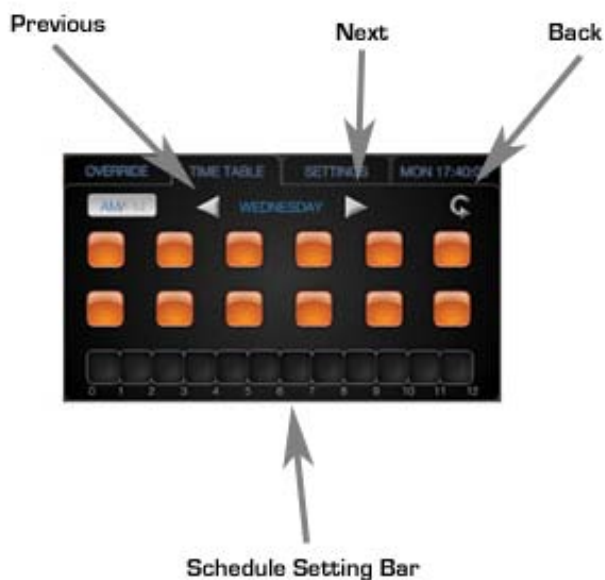


1.

Select the day of the week to enter the 24 hour view and alter the effects schedule for that day.



2.



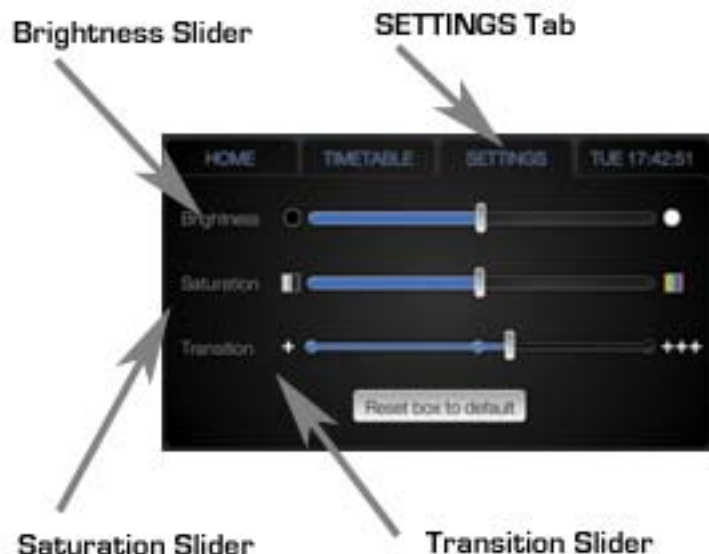
3. To set the daily schedule, first select the Color Ray Mode of your choice, then by touching the "Schedule Setting Bar", select the hour that you want the Color Ray Mode to be used.

Press again to clear a slot.

To view another day of the week select the 'Previous' button to view the previous day or select the 'Next' button to view the next day.

Touch the 'back button' to return to the TIMETABLE window.

## The Settings Screen



The SETTINGS screen allows you to adjust the brightness, saturation and transition speed. These settings change the overall properties of the effects

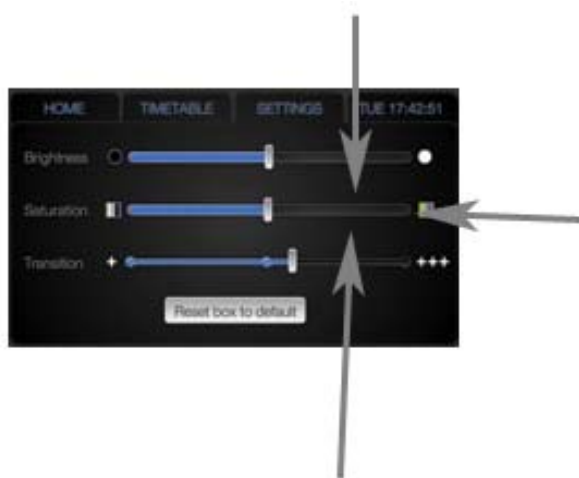
The '**Brightness slider**' adjusts the intensity of the lights you have installed.

The '**Saturation slider**' adjusts the vividness of the colours.

The '**Transition slider**' adjusts the speed at which one preset changes to the next Color Ray Mode at the end of each hour.

The '**Reset box to default**' button allows you to change the settings back to the original installed settings.

## Changing Light Settings



Touch the SETTINGS tab to display the settings window

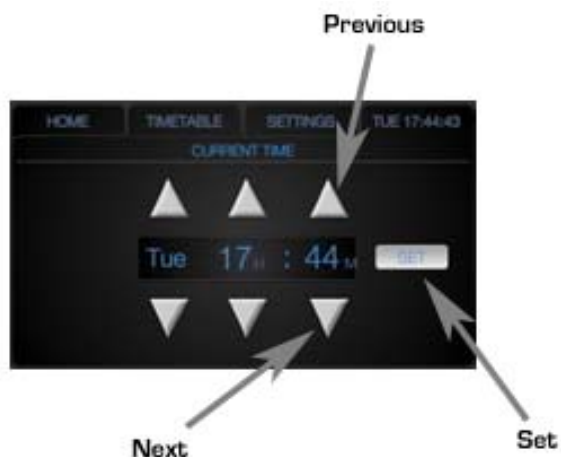
The **Brightness**, **Saturation** and **Transition** speed can be changed by adjusting the corresponding sliders.

Slide the '**Brightness Slider**' towards the left to darken the light intensity, and towards the right to brighten the light intensity.

Slide the '**Saturation Slider**' towards the left to reduce the vividness of the colours, and towards the right to increase the vividness of the colours.

Slide the '**Transition Slider**' towards the left to reduce the speed, and towards the right to increase the speed. You can choose through slow, medium and fast.

## The Current Time Screen



The DAY/TIME screen allows you to alter the current day and time.

The time is used by the Colortainment! Controller for the 7-day scheduler and daily systems check.

The options can be easily navigated through by using the 'Previous' and 'Next' buttons.

### *Changing the Day and Time*



Touch the CURRENT TIME tab to display the current time window

Use the arrows to adjust the day, hour and minutes display.

Touch the **SET** button to save the displayed value as the current time.

Selecting another tab without pressing **SET** will overlook any changes.

## **Troubleshooting**

If you are experiencing difficulties please verify that the Colortainment! Controller has power and is correctly connected by following the instructions in the Quick Start Guide or this User Guide. If the Colortainment! Controller still does not operate as expected, please contact your installer.

## **Other Information**

### **Disclaimer**

All Colortainment! Controller software remains sole property of Coloronix, Inc. and its suppliers. Any attempt to alter or replicate the contents of the Colortainment! Controller is prohibited. Any attempt to copy or alter the software will render any warranties void. Coloronix, Inc. will initiate legal proceedings against anyone attempting to copy or replicate the software.

Do not open the Colortainment! Controller case, to do so will void your warranty.

For support and advice please contact your installer.

### **Warranty**

The Colortainment! Controller is warrantied against faulty workmanship for 12 months from the date of purchase. If you have a problem please contact your installer.

### **Copyright**

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