



**HTP1502W1**

**Remote controlled  
Multicolor Accent Lighting  
System**

**CYRON, Inc.**

**USER MANUAL**

**Saving the planet, *One bulb at a time!***



**LIGHTING REVOLUTIONIZED**



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CHATSWORTH, CALIFORNIA 91311 USA [www.CYRON.com](http://www.CYRON.com)

# HTP1502W1

## Remote Controlled Multicolor Lighting System

Thank you for purchasing CYRON HTP1502W1 LED Lighting System. This system will bring the latest lighting technology to your home theatre, home décor, cabinets, and many other areas you choose. Installation of the system is simple and it can be done by anyone with little or no electrical experience. Nonetheless, some custom installations may require professional help. Please contact CYRON Technical Support at 888-297-6660 ext.106 for advice.

### Contents \_\_\_\_\_

Please locate all system components. If any of the components are missing or damaged contact CYRON before proceeding with installation.

- 1 x Controller
- 1 x Remote control
- 2 x Lightbars
- 1 x Power supply
- 1 x IR receiver
- 1 x Audio cord
- 4 x Mounting screws & tape

Remote



Controller



### General Cautions \_\_\_\_\_

To reduce the risk of fire, electric shock, or injury:



- Route and secure cords so that they will not be pinched or damaged
- To further secure the wires, use only insulated staples or plastic ties
- Not intended for recessed installations
- Not intended for surface installation inside built-in furnishings
- Do not install the entire system in closed compartments smaller than 4 cubic feet (26"x30"x10")

- To comply with National Electrical Code (NEC) and to prevent fire danger, run the cords where they are accessible for examination. Cords should be visually examined periodically and immediately replaced when any damage is noted.

## **Installations**

1. LIGHTBAR LOCATIONS NOTE: There are many intended uses and methods of light placement. In most of the cases, the objective is to place the lightbar so it is not directly visible. Feel free to experiment with light placement and direction of light projection. There may be more than one good location.

Television Backlighting: The best location for television installations is normally behind the TV, about 1 to 4 inches from the outer edges (left and right in most cases). Vertically center the bars. See TV backlighting diagram. The exact location may vary depending on the make and model of the TV.

Cabinets, Shelving, Furniture: Typical locations are top or bottom of the cabinets, behind furniture trimmings, on the shelves, and behind glass covers. Same general locations work well for most other objects. There are many ways to backlight and accent light. Try various positions to achieve the desired results.

2. CLEANING: Using the wipes provided test a small area to make sure it does not affect the mounting surfaces. Clean the installation surfaces free of dust/grease to assure the two-sided tape adheres well.

3. MOUNTING CLIPS: Mounting clips can be secured using the two-sided tape or ½ inch screws. **DO NOT USE SCREWS FOR FASTENING TO ELECTRONIC DEVICES AND SENSITIVE SURFACES.**

CAUTION: Tapes may cause discoloration to some surfaces over time. Remove one side of the tape liner and apply to the bottom of the clips. Apply pressure for 5 seconds to assure adhesion. Place clips on the lightbars.

4. LIGHTBAR PLACEMENT: Remove the second side of tape liner. Keep the tape surface clean. Place the bars in the proper location by pressing on the clips for 5 seconds. CAUTION: Never press on the clear lens of bars. Lightbars will get damaged! Note the direction of the wires being routed to the hub.

5. CONTROLLER: It should preferably be installed out of sight, while planning for the IR receiver to be installed in line of sight. REMOTE needs to be pointed at the IR receiver for operation. Cautions and Common practices:



Keep the controller and wires away from extreme heat, liquids, and moving objects.



Low voltage wires can be routed through walls and cabinets as long as proper care is taken to avoid damages.



DO NOT modify internal components. Tampering with components and wiring will void factory warranty.

6. IR RECEIVER: Plug in the IR receiver into the IR outlet.

7. POWER UP Plug the power supply into an AC outlet. The plug is polarized (one blade is wider than the other) as a feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact the factory or a qualified electrician. Never use with an extension cord unless the plug can be fully inserted. Do not alter the plug.

8. DC JACK Connect the power supply DC cord to the controller DC input.

9. LIGHTBARS: Plug lightbars in the controller ports. The order in which the lights get plugged in is not important.

### Operation \_\_\_\_\_

Please take some time to make yourself familiar with all features of the system.



Power, Turn on



Power, Turn off



Pre-programmed Light show: Sequentially turns on/off seven preset colors (colors cannot be changed).



Pre-programmed Light show: Color Transition. Gradually changes color of light thru a preset color sequence.



Pre-programmed Light show: aka Breath mode. Sequentially fades in and fades out seven preset colors (colors cannot be changed).



Slow speed (60 seconds)



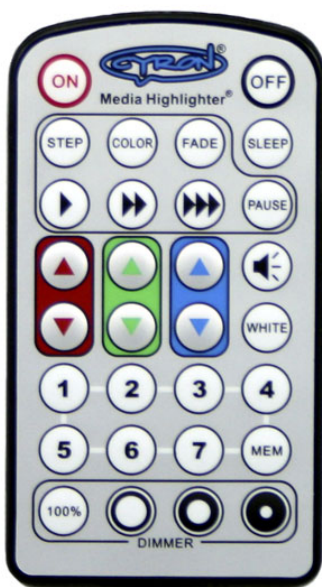
Medium speed (5 seconds)



Fast speed (1 second)



Dimming buttons do not operate in Light Shows



Stops the light show on the color displayed at that instance.



Turn-off timer. There are 5 timers of 1, 2, 3, 4 and 5 hours. Each time the button is pressed the lights will flash according to the number of hours.

>First press; lights flash once; system turns off in 1 hour.

>Second press; lights flash twice; system turns off in 2 hours.

>Third press; lights flash three times; system turns off in 3 hours.

Same method applies for up to 5 hours.



Red, Green and Blue COLOR DIALS allow adjustment of each color from zero brightness to full brightness in 50 steps. The UP arrows increase and down arrows decrease the brightness level of each particular color. By combining different levels of each color there are more than 117,000 color combinations possible. Use COLOR DIALS to match décor colors, create various tones of white light, reduce the brightness of colors or memorize custom colors of your own in the MEMORY buttons.




COLOR DIALS only operate on memorized colors and PAUSED colors.



You cannot press-and-hold to rapidly change thru the 50 steps. Buttons must be pressed once for each step.



**SOUND MODE.** The lights will interact with sound. Keep in mind the microphone is placed inside the controller and therefore picking up the ambient sound of where the controller unit is placed. Alternatively, you may plug the line out of your audio system in to the MIC input. An audio cord has been provided. Depending on your audio system you may need a different type cable.

 **DO NOT** connect audio input of controller to speaker outputs. Controller will be damaged.




Cool-White light preset.



Other tones of white can be achieved by **COLOR DIALS**. In general, lowering the green and blue will generate “warmer” tones of white.



Memory buttons 1 thru 7 can be used to memorize colors to be recalled at any time. To memorize a color press the button and then press the desired memory button 1 thru 7. 



Dimming buttons allow you to dim any “memorized” or “paused” light in 4 steps of 100%, 75%, 50% and 25%.



Dimming does not work for any light shows.



Dimming works best for memory buttons 1-7.



Dimming levels lower than 25% can be achieved by first memorizing a color at 25% level. Then recalling the color and dimming it again will result in lower levels. Repeating this process can result in much lower levels.



## General Guidance \_\_\_\_\_

### *How to make a specific color:*

It is best to start from a solid color that is close to the color you are trying to get. For example, if you are trying to produce a specific shade of sea green, it is best to start with solid green. If solid green is not one of the colors in memory, one way would be to first press **WHITE** button. Then, using **COLOR DIALS** press blue arrow up until blue LEDs turn off. Press red arrow up until the red goes off. You should be left with solid green. Now you can add blue color by pressing arrow up to make the specific sea green you would like.

### *How to produce a color when watching a color show:*

While watching any of the color shows you can press **PAUSE** button to freeze the show on the color being displayed. A quick way to get to some of the solid colors maybe to **PAUSE** the lights in the **STEP** mode.

### *Different tones of white light:*

White light is presence of all primary colors. Otherwise, red green and blue mixed together will make white light. However, what most traditional lights produce is far from a “white” light. Depending on the type of light, it could

have a yellowish tone, bluish tone, or green tone. Most people think of white light as yellowish white aka “warm white”. A color similar to “warm white”, along with many other shades of white, can be produced with this system. The WHITE button produces a 100% red/green/blue combination. Depending on the type of CYRON lights you use, this may produce a shade of white that needs further adjustment. Generally, reducing green and blue using COLOR DIALS will produce a warmer shade of white, while reducing red will create a colder white. Play around with COLOR DIALS and keep an open mind in what you may have known as “white”.

### **Possibilities** \_\_\_\_\_

The controller is compatible with all Media Highlighter lights. System is provided with 12 ports for easy connections to Media Highlighter Lightbars. For the ultimate expandability, the system is also equipped with internal terminal blocks that allow hardwiring the system without the use of ports. By hardwiring, the system will be able to handle much larger projects.



Hardwiring needs ample knowledge of wiring practices and should be done by experienced professionals such as electricians or certified custom electronic installers. Please contact CYRON Technical Support for further details.

### **General Guidance** \_\_\_\_\_

*How to make a specific color:*

It is best to start from a solid color that is close to the color you are trying to get. For example, if you are trying to produce a specific shade of sea green, it is best to start with solid green. If solid green is not one of the colors in memory, one way would be to first press WHITE button. Then, using COLOR DIALS press blue arrow up until blue LEDs turn off. Press red arrow up until the red goes off. You should be left with solid green. Now you can add blue color by pressing arrow up to make the specific sea green you would like.

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While watching any of the color shows you can press PAUSE button to freeze the show on the color being displayed. A quick way to get to some of the solid colors maybe to PAUSE the lights in the STEP mode.

*Different tones of white light:*

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## Specifications \_\_\_\_\_

Supply voltage range	9-14VDC
Supply current	6A max via DC jack 12A max via terminal block, 14AWG x 2
Continuous output power	140W @ 12VDC
Peak output power	200W @ 12VDC
Working Temperature	-20 to 60°C
Common terminal	Anode
Standby power	0.5W
Audio line input	300mV

## Technical Support \_\_\_\_\_

CYRON's primary goal is 100% customer satisfaction. You may call our technical support line or contact us via email 24/7.

techsupport@cyron.com  
888-297-6660 x106

In order to continually improve our products we welcome all comments about the product you purchased.

Thank You!

## Warranty \_\_\_\_\_

CYRON warrants this product against any defects in materials or workmanship for a period of ONE (1) year from the date of purchase. The warranty covers normal usage as intended by the factory and does not cover misuse, abuse, accidents, or damages caused due to the acts of God. Proof of purchase is required.

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OF IMPLIED. IN NO EVENT SHALL CYRON, INC. BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR ACCESSORIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

Please mail all warranty claims to:  
CYRON, Inc.  
Warranty Claim Dept  
21029-C Itasca St.  
Chatsworth, CA 91311 USA

Further warranty inquiries: [warranty@cyron.com](mailto:warranty@cyron.com)



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