



HTW310RF

RGB Controller

RF Wireless

CYRON, Inc.

USER MANUAL

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



LIGHTING REVOLUTIONIZED



LIGHTING REVOLUTIONIZED

9439 IRONDALE AVE., CHATSWORTH, CALIFORNIA 91311 USA www.CYRON.com

RGB Controller, RF Remote HTW310RF

Thank you for purchasing CYRON HTW310RF RF Controller. Please follow all the steps to assure proper installation and optimum usage of this device. Please review all instructions once before you start your project.

Contents

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



Controller



Remote control

Specifications

Supply voltage range	9-14VDC
Max output power*	<100W @ 12VDC
Working Temperature	-20 to 60°C
Common terminal	Anode
Standby power	0.5W

* Use CYRON HRP306 data repeater in conjunction for higher power ratings.

Possibilities

CYRON HTW310RF is compatible with all CYRON RGB lights. The controller is equipped with terminal blocks which allow hardwiring the system without the use of CYRON Media Highlighter standard connectors.

⚠️ 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.

🔧 You may choose to use CYRON part number HTHUB6 (not included) to create a 6-outlet hub for this controller. This will facilitate connecting CYRON Media Highlighter lightbars.

Installations

- ⚠️ ➤ 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.

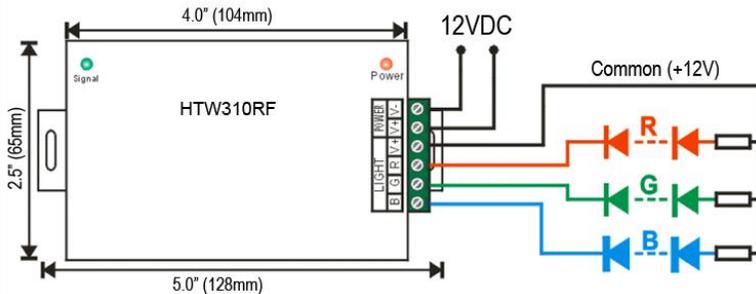
HTW310RF operates on fully regulated 12VDC power. The size (wattage) of the power supply depends on the number of lights being used. Refer to Table One for calculating the power supply ratings. 12VDC can be supplied via the DC jack on the side or the terminal blocks as shown in the wiring diagram. It is not recommended to use the DC jack if you are supplying more than 6A current or 72W power.

CYRON Series/Size	Watts per one lightbar	Model numbers available (Qty)	LEDs per bar / Type of LED
HT (Standard) / 9"	1.44	HTB9 (2x9")	18 / Superbright 60°
HT (Standard) / 15"	2.40	HTB15 (2x15") HTB15-B10 (10x15") HTB15-5B10 (10x15") 5ft cords	30 / Superbright 60°
HTP (Pro) / 9"	1.20	HTPB9 (2x9") <limited qty>	15 / Ultrabright SMD 120°
HTP (Pro) / 15"	2.16	HTPB15 (2x15")	27 / Ultrabright SMD 120°
HTP (Pro) / 24"	3.60	HTPB24 (2x24")	45 / Ultrabright SMD 120°
HTPR / 12"	2.20	HTPR-F	9 / Tri-chip SMD 120°
HTPR / 16.5feet	36.00	HTPB-RL	150 / Tri-chip SMD 120°

Table One

STOP Do not mix different types of CYRON lightbars "HT" and "HTP" series in one area as this will cause inconsistency in colors.

STOP IMPORTANT: Do not short out the output wires. Controller will be damaged.



Note: The hardwiring diagram for CYRON "HT" and "HTP" models can be requested by sending email to techsupport@cyron.com.

Operations

Place the battery in the remote control. Press any button and make sure the indicator light turns on. Check the battery if it does not.

Remote Buttons:

ON/OFF: Turns lights on and off.

MODE: Cycles through 21 modes as listed in chart below



B-, **B+**: Decrease or increase the brightness in 100 step increments. Press and hold to quickly change thru all 100 steps.

S-, **S+**: Decrease or increase the speed in 100 steps. Press and hold to quickly change thru all 100 steps.

Not all buttons will operate in all modes. See chart below for details.

Mode	Lights	Remarks	Mode	Lights	Remarks
1	Solid red	Brightness adjustable Speed NOT adjustable	12	Red strobe	Brightness adjustable Speed adjustable
2	Solid blue		13	Blue strobe	
3	Solid purple		14	Purple strobe	
4	Solid green		15	Green strobe	
5	Solid amber		16	Amber strobe	
6	Solid cyan		17	Cycan strobe	
7	Solid white		18	White strobe	
8	Three-color step	Brightness adjustable Speed adjustable	19	Red/Blue fade	Brightness NOT adjustable Speed adjustable
9	Seven-color step		20	Blue/Green fade	
10	Three-color color scan	Brightness NOT adjustable Speed adjustable	21	Green/Red fade	
11	Seven-color color scan		HTW310RF Modes		

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
818-772-1900 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 OR 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

9439 Irondale Ave.

Chatsworth, CA 91311 USA

Further warranty inquiries:

warranty@cyron.com

