



LIGHTING REVOLUTIONIZED

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## Media Highlighter® IR Controller HTW1000 Hardwiring Instructions

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Thank you for purchasing CYRON HTW1000 Media Highlighter IR controller.



To hardwire this system you need ample knowledge of wiring practices. This option should be done by experienced professionals such as electricians or certified custom electronic installers. Please contact CYRON Technical Support for further details. There may be other options available for your project. CYRON experienced Tech Support staff will be happy to help you implement your project.



STEP ONE: Open the HTW1000 controller box.

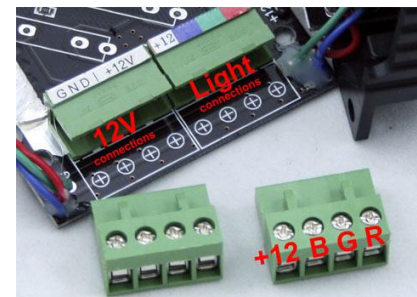
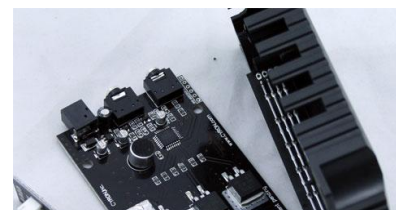
STEP TWO: Take out the PCB to gain access to the hub.

Use minimum 18AWGx4 (4 conductor 18 gauge) wire for extending lightbar wires up to 100ft. For runs over 100ft you must increase the wire gauge accordingly.

To minimize the clutter of too many wires at the hub, you should connect as many lightbars possible to one or few main leads. The main leads can then be connected to the terminal block.

STEP THREE: Take out the housing wire cap.

STEP FOUR: Connect wires to the hub following the color code shown in Table One. Note that 12VDC and lightbars wires can all be connected to the hub. Connecting the 12VDC directly to the hub is required for power supplies over 60watts. Four terminal inlets have been provided for 12V positive and negative. For power sources over 100W it is a good idea to use four wires, two for the positive, two for the negative. This will eliminate extra current being carried over one wire.



CYRON Media Highlighter Lightbar  
Wire Color Code

<i>CYRON Lightbar Wires (Not the same as HTHUB wires)</i>	<i>HTW1000 Terminal Block</i>
Green	+12V
Black	B
Red	G
White	R

TABLE ONE

STEP FIVE: Place the PCB back in their positions and close the back cover. Pay close attention to the wires connecting the side PCBs to the main PCB.

STEP SIX: Manage the wires. Use zip ties or other means to secure the wires together. As stated in the User Manual, the IR receiver will need to be connected to the IR plug. The IR receiver needs to be in the line of sight in order for the remote to work.



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.



For operations please see the User Manual. If you have any questions please contact CYRON Technical Support at techsupport@cyron.com or 888-297-6660 x106.

Additional Notes:

It is also possible to hardwire the 6-outlet Media Highlighter Hub (Part# HTHUB6) to the HTW1000 terminal block. Table Two shows the wiring diagram.

Hardwiring the Media Highlighter Hub HTHUB6

<i>HTHUB6 Hub Wire</i>	<i>HTW1000 Terminal Block</i>
Black	+12V
Green	B
White	G
Red	R

TABLE TWO