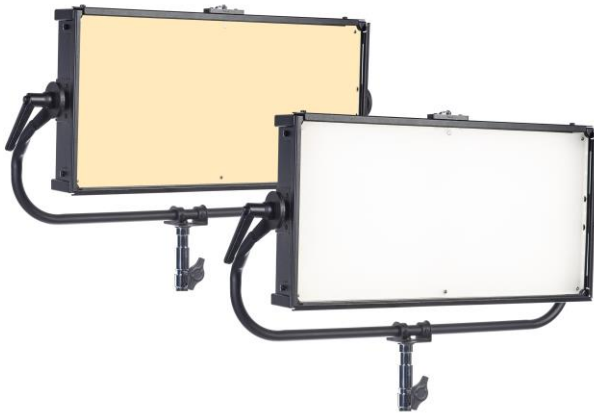


# Installation Guide

## Chroma-Q®

### Space Force onebytwo™

#### LumenRadio Card



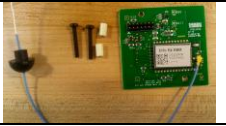
**Chroma-Q®**  
BRILLIANT SOLUTIONS

For Use With:  
Part Number: CQ647-9070  
(Model: 647-9070)

Version 1.1

This Guide provides the instructions to install the RF option into the Chroma-Q Space Force. For radio operation, please consult the User Manual for the Space Force onebytwo fixture.

### 1. Kit Contents

Items	P/N	Qty.	Picture
Radio Printed Circuit Board	647-0122	1	
Round Spacer 5/16"	900-1321	2	
Screw M3X20 Machine Screw	430-1220-0	2	
Grommet for Antenna	647-0523	1	

### 2. Tools Required

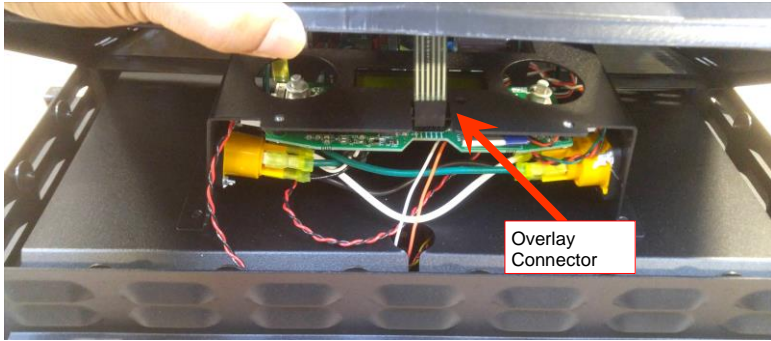
T8 Torx Driver or bit (Torque 5.5 in-lb)
#1 Phillips Screwdriver or bit (Torque 5.5 in-lb)

### 3. Installation Guide

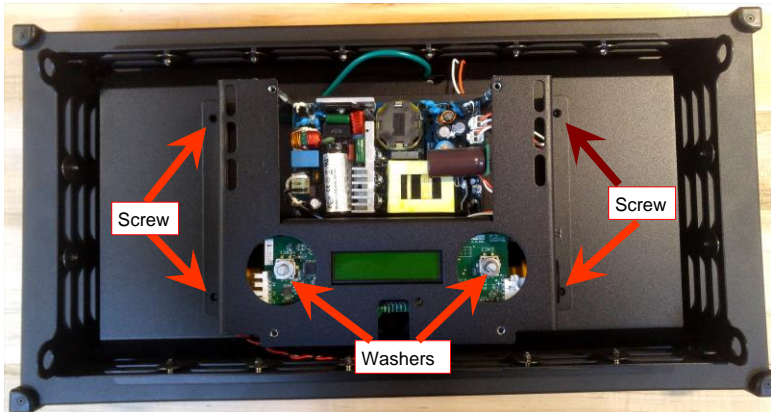
- Place the unit acrylic side down on a surface that will not scratch the lens, or damage the unit.
- Carefully remove the 4 Torx screws that secure the ABS plastic back cover. These screws have a T8 Torx head. If using a power driver, set torque to 10lb-in. Set aside the screws.



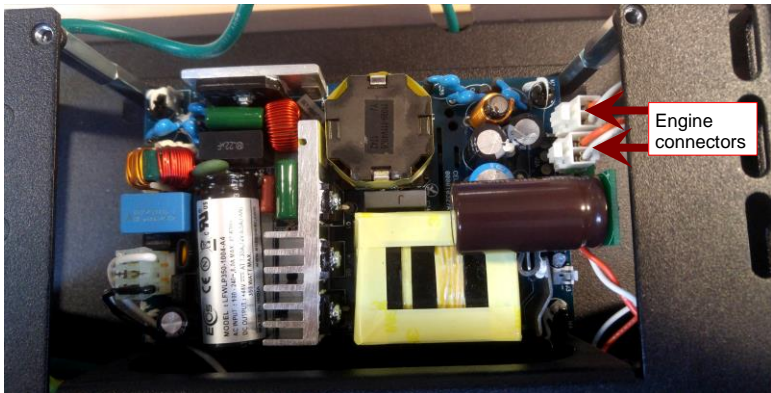
- Carefully lift the back cover from the unit. The adjusting knobs will slide off with the cover. Remove the 5-pin overlay connector from the PCB board before completely removing the cover. Do not bend the pins. Set cover aside.



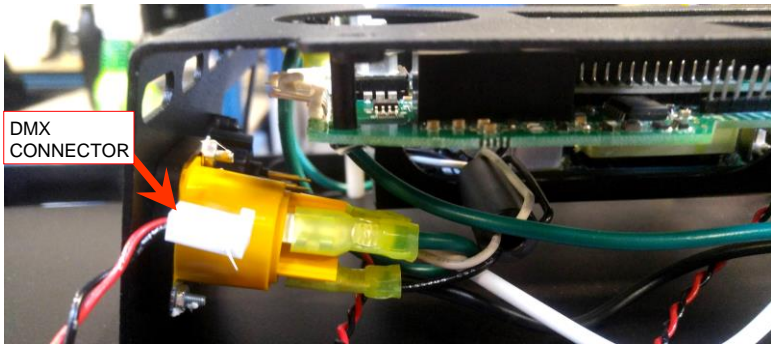
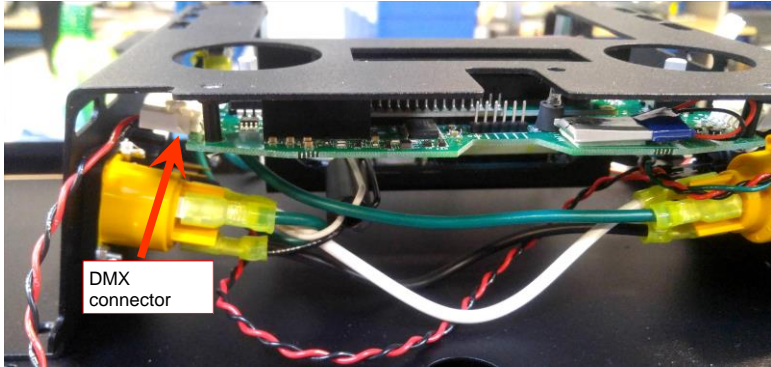
4. Remove the 4 x M3 screws from the PCB bracket assembly using a Philip's #1 screwdriver. If using a power driver, set torque to 5.5lb-in. Set screws aside. Remove the two washers that were underneath the 2 Knobs



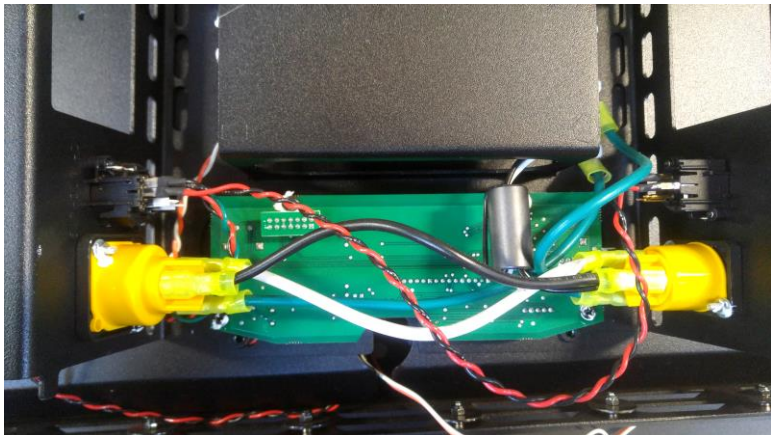
5. Unplug the 2 engine connectors (white and orange wires) from the PCB bracket assembly. The order of these connectors is not critical when reconnecting them later.



6. Remove the DMX connector (red and black wires), connected to the J7 pins on the PCB, to turn the assembly over and expose the internal components.

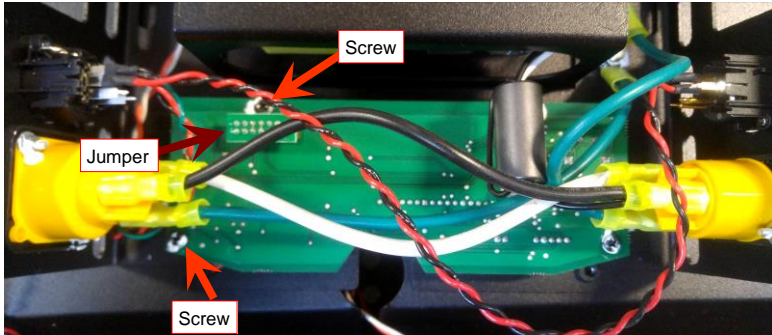


7. Turn the PCB Bracket Assembly upside down on the light fixture.

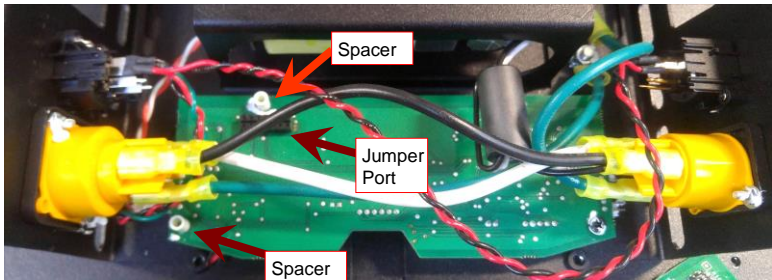




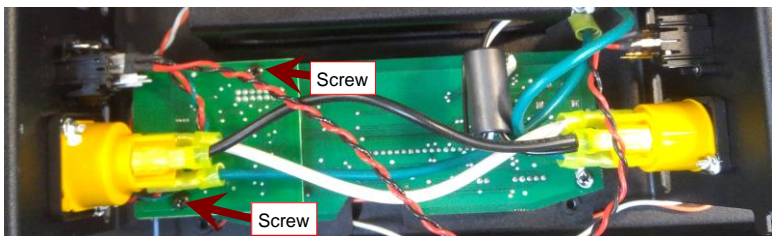
8. Remove the jumper from the PCB addressing card inside of the assembly. This will not be required after you install the wireless card. Remove the 2 x M3 screws from the PCB addressing card. These will not be required after you install the wireless card.



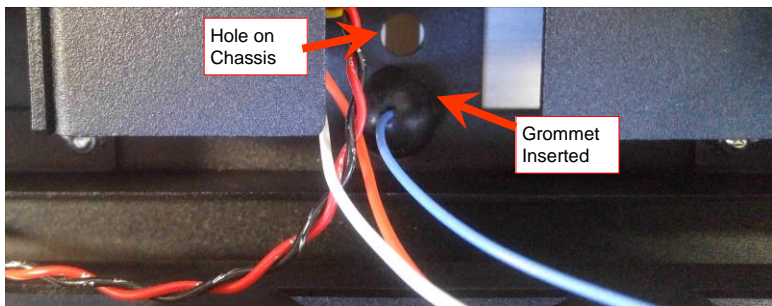
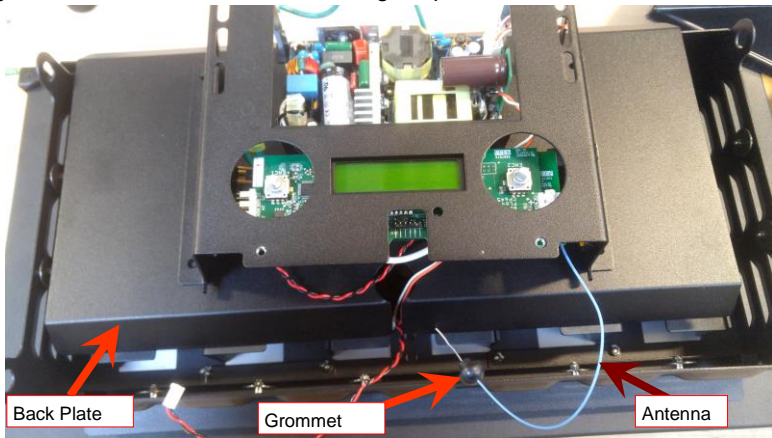
9. Included in the kit are two #4 Nylon 5/16" spacers. They must be positioned as shown in the photograph.



10. Install the wireless card on top of these spacers and into the jumper port as shown in the diagram. Use a #1 Phillips screwdriver to install the 2 - M3x20 screws included in the kit to secure the wireless card. If using a power driver, set torque to 5.5lb-in.



11. Turn the PCB Bracket Assembly right side up. Slide the back plate slightly up to expose the chassis. Insert the grommet attached to the antenna into the holes on the chassis. Ensure that the antenna does not come out of grommet. Slide the Back Plate at original position.



12. Reassemble the unit in the reverse order from Step 6 to Step 2. Please remember
- Do not over-torque the screws. If possible, use the recommended torques in this guide.
  - When re-assembling the back cover, be sure to carefully plug the overlay 5 pin connector back into the addressing card. Ensure all 5 pins are connected and carefully adjust the harness so it does not interfere with the display or closing of the unit.
  - Be sure the placement of the back cover is even before replacing the screws. Check all corners before proceeding.
  - Test for operation of unit prior to returning to service.

For a full product manual please visit <http://www.chroma-q.com/support/download.asp>

# Approvals & Disclaimer



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Chroma-Q reserves the right to change or make alteration to devices and their functionality without notice due to on-going research and development.

The Chroma-Q Space Force range has been designed specifically for the lighting industry. Regular maintenance should be performed to ensure that the products perform well in the entertainment environment.

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