



# MIL-LEDPWR

RGB Control Module



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|                     |   |  |
|---------------------|---|--|
| Some Lights Working | <ol style="list-style-type: none"> <li>1. Check RGB settings</li> <li>2. Check speaker cables.</li> <li>3. Check terminals inside of Molex connectors</li> <li>4. Improperly seated connection</li> <li>5. Defective speaker</li> </ol> | <ol style="list-style-type: none"> <li>1. See stereo manual</li> <li>2. Ensure cables are correctly spliced with corresponding cables and check for crimping on top of wire insulation.</li> <li>3. Ensure some did not back out. Push back in until a click is felt. Pull to test to make sure they will stay in. If not, replace the affected pigtail</li> <li>4. Ensure all cables are properly seated in correct LEDPWR outlets.</li> <li>5. Swap non-working speaker with a working speaker to verify that the lights inside the speaker are working. Replace speaker if no.</li> </ol> |
|---------------------|---|--|

## Product Description

This power module (part MIL-LEDPWR) was specifically designed to work in tandem with the Infinity by Harman marine stereo models, REFPRV415 and KAPPRV515. Once the MIL-LEDPWR is connected to the stereo, RGB speakers can connect to this power module with the end result being able to control the lighting of the speakers through the stereo.

Suggested RGB speaker models to complement this power module include:

- JBL Club marine and JBL Stadium marine lineup
- Infinity Reference and Infinity Kappa marine lineup

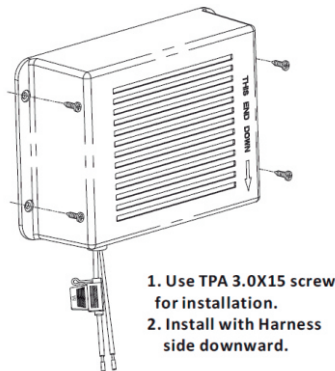
For further info on our products, please go to [www.prospecelectronics.com](http://www.prospecelectronics.com).

Prospec Electronics is based out of Mount Pleasant, S.C. and is the home of

JBL by Harman and Infinity by Harman marine audio products.

## Mounting Location

1. Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the boat or side by side vehicle.
2. Install the box in a dry area and with the wire end facing down as noted on the box.
3. Only use the supplied mounting hardware for a safe and secure installation.



Note: Each added speaker will contribute to the overall operating current of the LEDPWR. Generally, if the RGB lights of a speaker draws 100 ma, the overall operating current of the LEDPWR will increase by that amount. For example, the operating current with no speakers attached is approximately 15ma. If two speakers with a rating of 100ma each are added, the overall operating current will increase to approximately 215ma, give or take. Not to worry, powering the stereo off will also power down the LEDPWR and reduce the current to a negligible 3.5ma.

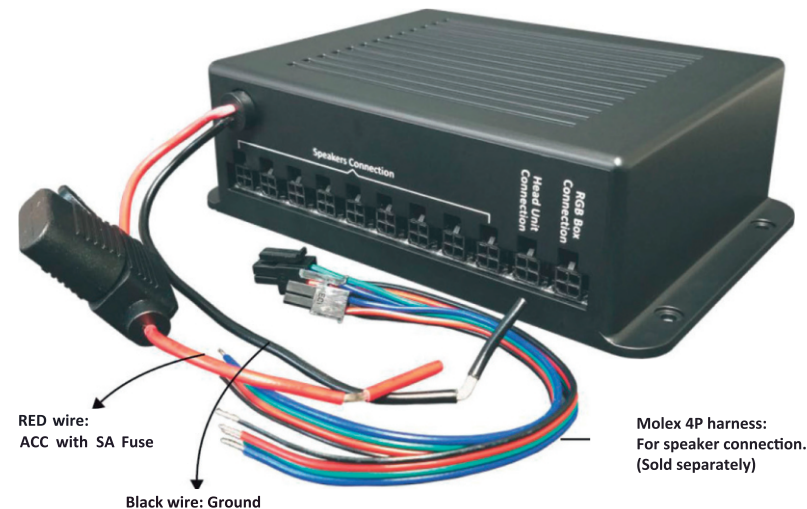
## Troubleshooting

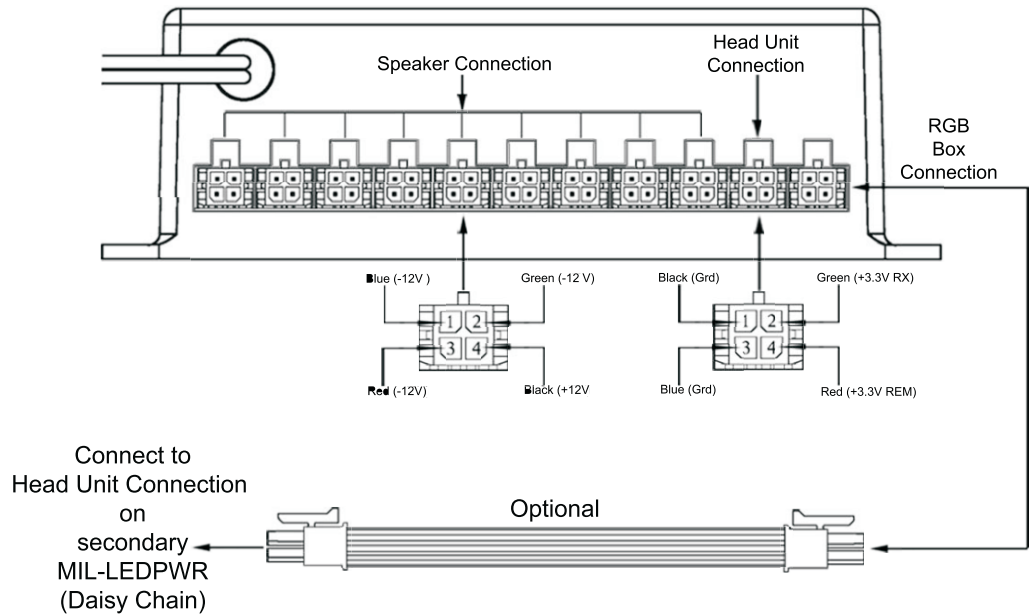
| Issue                 | Cause   | Solution   |
|-----------------------|---|--|
| No LED Lights Working | <ol style="list-style-type: none"><li>1. RGB settings on radio too low</li><li>2. Improperly wired. (Note: Improperly matched wires can cause permanent damage to the LEDPWR)</li><li>3. Incorrect Outlet/Improperly Seated</li><li>4. Blown Fuse</li><li>5. Check Power Connection</li></ol> | <ol style="list-style-type: none"><li>1. See stereo user manual</li><li>2. Ensure speaker cables are spliced so colors correspond</li><li>3. Ensure RGB cable from stereo is plugged into the outlet on the LEDPWR labeled "Head Unit Connection" and ensure it is properly seated</li><li>4. Check 15-amp fuse. Replace if blown</li><li>5. Measure with multimeter</li></ol> |

## Daisy Chain

1. Using two splice pigtails (same as RGB speaker cable), connect one end into the outlet labeled “RGB Box Connection” seen in the wiring diagram
2. Connect the remaining end into the secondary LEDPWR box at the outlet labeled “Head Unit Connection”.
3. Repeat above for each additional LEDPWR box.

| Specs                   |                                  |                            |  |
|-------------------------|----------------------------------|----------------------------|--|
| Dimensions              | 151mm (L) x 102mm (W) x 45mm (H) | Speaker Voltage            | 12 Volts per Port  |
| Operating Voltage       | 12VDC                            | Current per Speaker Output | 2.5 amps RMS/5 amps Peak   |
| Fuse                    | 5 Amp                            | Current at Rest            | 3.5 ma   |
| Head Unit Connections   | 1                                | Mating Pigtails            | MIL-LEDPIGTAILM (Bulk) or MIL-LED-PIGTAILPKG4 (package of 4)   |
| Daisy Chain Connections | 1                                | Pigtail Connectors         | Molex MicroFit Part #43025   |
| Speaker Connections     | 9                                | Pigtail Mating Connectors  | Molex MicroFit Park #43020   |
| Head Unit Input Voltage | 3.3 Volts                        | Package Includes           | MILPWR, (4 ea) MIL-LEDPIGTAILM, and (4 ea) TPA 3.OX15 mounting screws. Available at <a href="http://prospecelectronics.com">prospecelectronics.com</a> |





## Installation

1. RGB speaker leads must be assembled using the pigtails that arrived with your LED-PWR box and the pigtails that came with your speakers.
2. Simply splice the two together matching wire color for wire color as per below. Failure to match color to color will result in damage to the LEDPWR box.
3. Connect one end of the cable to the mating connector on the speaker. Ensure the two connectors are properly aligned before snapping them in place.
4. Connect the remaining end to any one of the supplied Speaker Connections on the LEDPWR box.
5. Ensure all wiring is correct before connecting Power wires.