



INSTALLATION INSTRUCTIONS

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Advanced 3 Million Wireless USB SMD RV Underbody Kit

Please refer to the instruction manual included with your base kit for programming and operation instructions.

RV Underbody Kit Installation:

1. Arrange the tubes out on the ground and test the kit to ensure proper functionality before installing. When arranging the tubes where you would like to install them, keep in consideration the location of any fold down steps, compartments that open, slide outs, exhaust from the engine, as well as the generator and any other potential obstructions.
 - When arranging the tubes around the RV, lay the 46" tubes out first, looking under the RV for potential mounting locations. Different obstructions may hinder the proposed mounting configuration of the tubes. Plan to have a shorter 24" tubes next to the stairs on either side as the width of the stairs will take away some area where you can safely mount a tube.
 - Configuration of the different length of tubes may vary from the left and right sides of the RV.
 - Due to the width of the RV, you should be able to mount the 2 included 36" tubes to the front and the rear of the RV. Keep in mind any obstructions that could affect the light such as moving parts and/or heat.
2. **Before mounting the underbody tubes, make sure that the tubes are laid out in the correct orientation. The underbody tubes on this kit must be installed in a specific way. This ensures all lighting patterns are properly synchronized and displayed correctly. The size of the tube does not matter as far as location goes. What is important is the program of the tube indicated by the sticker color on the end of each tube.**
 - **Red Dot Sticker Tubes:** Front of the RV with wires facing the right side of the RV.
 - **White Dot Sticker Tubes:** Rear of the RV with wires facing the left side of the RV.
 - **Green Dot Sticker Tubes:** Driver side (left) of the RV with wires facing the rear of the RV.
 - **Blue Dot Sticker Tubes:** Passenger side (right) of the RV with wires facing the rear of the RV.
3. Use the supplied mounting brackets and zip-ties when mounting the tubes to the RV. **Be extremely aware of the location of brake lines, fuel lines and the radiator. Do not mount the underbody tube too close to the exhaust and leave at least 8" between the exhaust and the underbody tube. Keep the tube and the power wire away from any moving part.**
 - If there is a mounting location where the bracket will not fit or cannot be mounted, we recommend using zip-ties and attaching the tube to a conduit or a bracket that is already in place.
 - Another option that can be used to mount the tube is a cushion clamp. A cushion clamp wraps around the tube and allows each clamp to be mounted using either 1 bolt or screw. LEDGlow does not offer cushion clamps.
4. **Find safe, secure and dry places to mount the USB hubs.** We recommend mounting the USB hub inside a compartment, if possible. If this is not possible, we suggest mounting the



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USB hub in the driest location available. **Optional:** For extra protection, apply a thin layer of silicone along the seams of the USB hub to seal it.

- Each USB hub will need to be connected to a 12 volt power source to power the tubes inserted in each hub.
 - USB hubs can be strategically placed around the RV in order to accommodate every tube wire by using the least amount of extensions.
 - Group the wires from the tubes into groups of 6 and plug each USB connector into the USB hub. This allows you to connect multiple hubs using the supplied USB linking cables. The USB cables can be connected in any order and all the patterns will work properly.
 - Additional USB extensions may be needed depending on mounting locations of the USB hubs and the routing of the wires.
5. Mount the control box in a dry, safe, secure and accessible location. Route and plug the control box's USB wire into an available port on a USB hub. All programmed features can be controlled by the wireless remote, but the control box must be used to program and save different settings.
 6. Connect the red power wire of the USB hubs to a 12 volt power source. If you need to extend the power wires, be sure to only use 16 or 18 gauge automotive grade wiring. If you are running the power wire through any metal, be sure to use an existing grommet or by drill a hole and add a new grommet, which is available at any auto parts store. Be sure to install a fuse within 6" of the power source. If you connect the power wire to a switched 12 volt source, the control box will not remember the previous color and pattern it was last on before turning off the vehicle. If you connect the power wire to a constant 12 volt source, the control box will remember the previous color and pattern it was on prior to powering the vehicle down.
 7. Connect the black wires to a good, unpainted bare metal surface.
 8. Beginning with the rear tubes, run the wires to the location of the USB hubs. Make sure to secure the wires tightly when going around the suspension and/or exhaust. Leave at least 8" between the exhaust and the underbody tube. Make sure that you run all the cables securely that nothing can get hung up while driving, opening steps, compartments or slide outs. **Do not shorten or cut any of the underbody tube power wires. This will destroy the kit and void all warranties.**
 9. Turn the steering wheel as far as it can go in both directions to ensure the tube and/or wires are not coming in contact with the wheels or other moving parts.
 10. Once everything is secure, turn on and test the functionality of your kit.