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Million Color SMD LED Slimline Limo Underbody Kit

Warning: Please check your state and local laws before installing this Million Color SMD LED Slimline RV Underbody Kit. Every state has different policies and procedures in place regarding aftermarket vehicle accessories. LEDGlow is not responsible for any fines that you may receive while using this underbody kit. This kit is for off road use only.

Warning: We recommend using a licensed professional to install this kit. The improper installation of this kit will void all warranties.

The control box that powers the underbody tubes must be installed in a dry location inside of the vehicle. Having this part exposed to water or the elements will cause the kit’s controller to fail. Any water damage or corrosion to this part will VOID all warranties.

PLEASE READ THE FOLLOWING INSTRUCTIONS THOROUGHLY BEFORE INSTALLING AND OPERATING THIS UNDERBODY KIT.

RV Underbody Kit Includes:

(Quantity for parts will vary depending on the kit you have.)

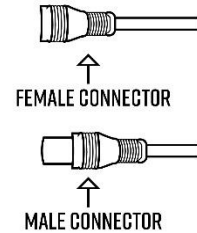
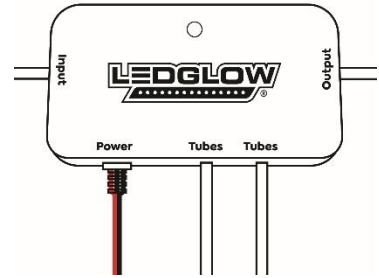
- 36 Inch Tubes (60 Individual LEDs)
- 46 Inch Tubes (90 Individual LEDs)
- Control Box
- Wireless Remote
- Connection Hub
- Cable Extension
- Connector Endcap
- Underbody Tube Brackets
- Zip Ties
- Screws

RV Underbody Kit Installation:

1. This kit is designed to be expandable, and you can add onto the system using Connection Hubs. Each Connection Hub is designed to hold a max of 8) 46” tubes, which is 720 individual LEDs. If you are using smaller tubes, you can connect more tubes if you do not exceed the 720 individual LED count.
2. Temporarily power your kit with any 12-volt source and test for full functionality before you move forward with the installation. Simply connect the red wires from the Control Box and Connection Hubs to the positive terminal on the vehicle’s battery and the black wires from the Control Box and Connection Hubs to any reliable ground source. Power the kit and test all the colors and modes. If everything is good, remove power.
3. Be extremely aware of the location of the brake lines and fuel lines and do not mount any of the underbody tubes too close to the location of any fold down steps, compartments that open, slide outs, exhaust from the engine or generator, and any other potential obstructions. Leave at least 8 inches between the exhaust and the underbody tubes. Keep the tubes and the power wires away from any moving parts.
 - When arranging the tubes around the RV lay the longer 46” tubes out first looking under the RV for potential mounting locations. Different obstructions will play a big part in the configuration of short and long tubes. Plan to have a shorter 24” tube next to the stairs on either side as the width of the stairs will take away some area where you can safely mount lighting.
 - Keep in mind the configuration of the tubes may be different from the left and right sides of the RV.
 - Due to the width of your RV, you should be able to mount 2) 36” tubes in both the front and the rear. Keep in mind any obstructions that could distort the light as well as moving parts and heat and avoid these areas.

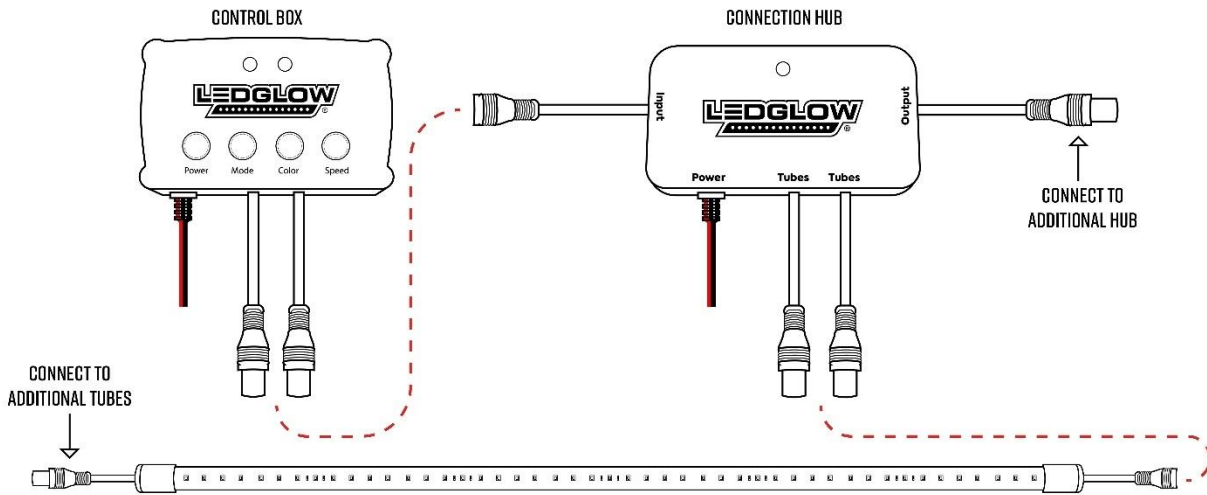
Note: 3 brackets are provided for each tube: one for each end of the tubes and one for the center of the tubes.

 - If you have a location where the bracket will not fit or cannot be mounted, we recommend using wire ties and attaching to a conduit or a bracket that is already in place.
4. When you are laying out the tubes and determining the Control Box and Connection Hub locations, keep in mind that you can connect 2 hubs directly off of the Control Box to create zones. For instance, you can utilize the driver side and passenger side, front and rear, or any other locations that best suit your installation.
 - Attach the male connector coming from one of the harnesses on the bottom of the Controller to the female connector coming from the left of the Connection Hub.
 - Attach the male connector coming from one of the harnesses on the bottom of the Connection Hub to the female connector of the light tube. Then daisy chain the rest of the tubes. Be sure to evenly split the tube count between the two harnesses when possible, Max is 360 individual LED’s per harness.



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- If you need to add another Connection Hub to connect the rest of your light tubes, attach the male connector coming from the right of the Connection hub to the female connector coming from the left of the new Connection Hub. Then continue connecting the light tubes as you did before.
- Extension cables are included in the kit and can be used to extend the length between the Control Box and the Connection Hub, Connection Hub and Connection Hub, Connection Hub and Light Tube, or Light tube and Light Tube.



5. When mounting the tubes be sure that the female end is facing the direction of the Connection Hub. The rest of the tubes will daisy chain off of that tube. Also keep in mind the max number of LED's per hub. Secure the tubes using the included mounting brackets and screws. Make sure the tube is at least 8 inches away from any direct heat source and away from all moving parts. **IMPORTANT: DO NOT MOUNT THE TUBE TO THE RADIATOR.**
6. Mount the underbody kit's Control Box and Connection Hubs in a safe and secure location on your RV. The Control Box should be in an accessible area to be able to control the functions. But the Connection Hubs can be mounted discreetly as long as they are away from moving parts, heat and moisture.
7. Run the harness from the Connection through a pre-existing hole with a grommet in your firewall to the control box. If you do not have a pre-existing hole in the firewall, you can drill one, but just be sure to add a rubber grommet to ensure the lead wire is not cut or pinched.
8. Finish making all of you connections between the Control Box, Connection Hubs and Light tubes and secure all loose wires with zip ties, be sure not to overtighten the zip tie and pinch the wire.
9. This underbody kit's Control Box can be powered one of two ways:
 - Connect all the red power wires to any 12-volt source. If you need to extend the power wires, be sure to only use 16 or 18 gauge automotive grade wire. If you are running the power wire to the battery, it must go through the firewall by using an existing grommet or by drilling a hole and adding a new grommet. Be sure to install a fuse within 6 inches of the power source. If you connect the power wire to a switched 12 volt source, the underbody kit may not remember the color and pattern it was last on before turning the vehicle off. If you connect the power wire to a constant 12 volt source, the underbody kit will remember the last color and pattern it was on prior to powering the vehicle down.
 - This underbody kit can also be powered directly from your vehicle's fuse box. If you are powering the kit via the fuse box, we recommend that you install the wire using LEDGlow's Expandable Circuit, which is available at www.LEDGlow.com.
10. Connect all the black wires to a reliable, unpainted ground source. Some ground source options include under the dash at any main bracket or grounding block, the negative post on your battery, or any engine ground.
11. Be sure to use the included zip ties to secure and mount any bundles of wires from the underbody tubes under the vehicle in a safe location away from any direct heat sources or moving parts.

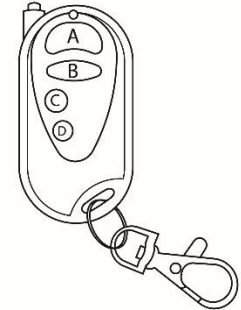
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12. **DO NOT SHORTEN OR CUT ANY OF THE UNDERBODY TUBE POWER WIRES.** This will damage the kit and void all warranties.
13. Power on and test the underbody kit for full functionality.
14. Turn the steering wheel as far as it can go in both directions to ensure the tubes and/or wires are not coming in contact with your tires or any other moving parts.

Control Box and Wireless Remote Operation:

- **Button A: Power Button**
 - This button is used to power your kit on and off.
- **Button B: Mode Change**
 - Pressing this button on the Control Box or Wireless Remote allows you to select from 14 distinct patterns. The 14 available patterns are listed below.

Demo	Solid	Double Color Chase	Double Color Scan
Random Color Fade	Rainbow Run	Solid Color Scan	Solid Color Spread
Solid Color Pulse	Section Strobe	SOS	Music Scan
Music Chase		Music Section Strobe	



Change

- Pressing this button on the Control Box or Wireless Remote allows you to select between 10 distinct color modes. The available solid color modes are listed below.

Red	Pink	Lavender	Purple	Orange
Yellow	Green	Teal	Blue	White
Rainbow 1*		Rainbow 2*		
*Will not work on all Modes				

- **Button D: Speed Change**
 - Pressing this button on the control box or wireless remote will allow you to select from 5 different speeds for your selected pattern. If your kit is in music mode, this button will adjust the sensitivity of the selected music mode.

- **Button C: Color**



Auto On/Off Function:

- **Enable Auto On/Off Function:** Turn the kit off. Press and hold down the **Mode** and **Color** buttons on the control box. After the Pink color lights up, turn on the kit and test for functionality.
- **Disable Auto On/Off Function:** Turn the kit off. Press and hold down the **Mode** and **Speed** buttons on the control box. After the Orange color lights up, turn on the kit and test for functionality.

Adding or Replacing a Wireless Remote:

1. Your kit is already pre-programmed for the included Wireless Remote. This setup is only needed when replacing an existing Remote or by adding additional Wireless Remotes to your system. You can program up to 2 Wireless Remotes to 1 Control Box.
2. In order to program the Remote to the Control Box, you must turn the kit off.
 - Press and hold the **Mode** button on the Remote and any button on the Wireless Remote simultaneously for 5-7 seconds to turn the kit off. The LEDs on the kit will illuminate green if successful. Test the operation with the remote.

For accessories, replacement parts and/or technical support, please visit www.LEDGlow.com for more information



INSTALLATION GUIDE

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ONE YEAR NON-TRANSFERRABLE LIMITED WARRANTY AND DISCLAIMER

LEDGlow Lighting, LLC ("LEDGlow") warrants to the original retail consumer purchaser, and not any other purchaser or subsequent owner, that this Product will be free from defects in material or workmanship for a period of **one (1) year** from the purchase date. **This warranty does not cover any Product that is (1) installed incorrectly, or (2) damaged by collisions, vandalism, other accidents, or similar causes.**

For a period of **one (1) year** from the date of purchase, at no charge to the Purchaser, LEDGlow will repair or replace this Product if it is determined by LEDGlow to be defective. After the warranty period, the Purchaser must pay all charges for parts and labor.

Coverage under this warranty is only valid within the United States, including its territories, as well as in certain other countries. Purchasers should check our website, www.LEDGlow.com, to determine the warranty coverage in the countries in which they are located.

LEDGlow does **not warrant the installation** of the Product, which is the sole responsibility of the Purchaser. Installation should be done by licensed professionals. Improper installation may cause damage to the Product and any vehicle in which it is installed, and may cause burns and electrical injury to individuals. LEDGlow's warranty does not cover any expenses incurred in removing Products that are defective or re-installing replacement Products in their place.

During the warranty period, to have the Product repaired or replaced, the Purchaser must return the Product, freight prepaid by the Purchaser, to LEDGlow (but for customers in the contiguous United States, LEDGlow will pay the shipping charges if any Product fails during the first thirty (30) days after purchase). The Product must be returned in its original carton or in a similar package affording an equal degree of protection. LEDGlow will return the repaired or replaced Product, freight prepaid, to the Purchaser. LEDGlow does not provide Purchasers with temporary replacement units during the warranty period or at any other time.

This limited warranty is non-transferrable and will automatically terminate if the original retail consumer purchaser resells the Product or transfers the vehicle on which the Product is installed. An "original retail consumer purchaser" is a person who originally purchases the Product, or a gift recipient of a new Product that is in its original packaging and unopened.

This limited warranty is subject to all of the following terms and conditions:

TERMS AND CONDITIONS

- 1. NOTIFICATION OF CLAIMS; WARRANTY SERVICE:** IF PURCHASER BELIEVES THAT A PRODUCT IS DEFECTIVE IN MATERIAL OR WORKMANSHIP, WRITTEN NOTICE WITH AN EXPLANATION OF THE CLAIM SHALL BE GIVEN PROMPTLY BY PURCHASER TO LEDGLOW. ALL WARRANTY CLAIMS MUST BE MADE WITHIN THE WARRANTY PERIOD, AND ANY PRODUCTS RETURNED TO LEDGLOW MUST BE SHIPPED IN ACCORDANCE WITH LEDGLOW'S PROCEDURES (INCLUDING USE OF RMA NUMBERS SUPPLIED BY LEDGLOW AFTER NOTIFICATION). THE REPAIR OR REPLACEMENT OF ANY PRODUCT OR PART THEREOF SHALL NOT EXTEND THE ORIGINAL WARRANTY PERIOD. THE SPECIFIC WARRANTY ON THE REPAIRED PART ONLY SHALL BE IN EFFECT FOR A PERIOD OF NINETY (90) DAYS FOLLOWING THE REPAIR OR REPLACEMENT OF THAT PART, OR THE REMAINING PERIOD OF THE PRODUCT WARRANTY, WHICHEVER IS GREATER.
 - 2. EXCLUSIVE REMEDY; ACCEPTANCE:** PURCHASER'S EXCLUSIVE REMEDY AND LEDGLOW'S SOLE OBLIGATION IS TO SUPPLY (OR PAY FOR) ALL LABOR NECESSARY TO REPAIR ANY PRODUCT FOUND TO BE DEFECTIVE WITHIN THE WARRANTY PERIOD AND TO SUPPLY NEW OR REBUILT REPLACEMENTS FOR DEFECTIVE PARTS. LEDGLOW WILL REFUND THE PURCHASE PRICE FOR SUCH PRODUCT ONLY IF REPAIR OR REPLACEMENT FAILS TO REMEDY THE DEFECT. PURCHASER'S FAILURE TO MAKE A CLAIM AS PROVIDED IN PARAGRAPH 1 ABOVE OR CONTINUED USE OF THE PRODUCT SHALL CONSTITUTE AN UNQUALIFIED ACCEPTANCE OF SUCH PRODUCT AND A WAIVER BY PURCHASER OF ALL CLAIMS THERETO.
 - 3. EXCEPTIONS TO LIMITED WARRANTY:** LEDGLOW SHALL HAVE NO OBLIGATION TO PURCHASER WITH RESPECT TO ANY PRODUCT THAT IS SUBJECTED TO ANY OF THE FOLLOWING: ABUSE, IMPROPER USE, NEGLIGENCE, ACCIDENT, MODIFICATION, FAILURE TO FOLLOW THE OPERATING PROCEDURES OUTLINED IN THE USER'S MANUAL, FAILURE TO FOLLOW THE MAINTENANCE PROCEDURES IN THE SERVICE MANUAL FOR THE PRODUCT, ATTEMPTED REPAIR BY NON-QUALIFIED PERSONNEL, OPERATION OF THE PRODUCT OUTSIDE OF THE PUBLISHED ENVIRONMENTAL AND ELECTRICAL PARAMETERS, OR IF THE PRODUCT'S ORIGINAL IDENTIFICATION (TRADEMARK, SERIAL NUMBER) MARKINGS HAVE BEEN DEFACED, ALTERED, OR REMOVED. LEDGLOW EXCLUDES FROM WARRANTY COVERAGE PRODUCTS SOLD AS IS AND/OR WITH ALL FAULTS. LEDGLOW ALSO EXCLUDES FROM WARRANTY COVERAGE ANY CONSUMABLE ITEMS SUCH AS FUSES AND BATTERIES.
- All software and accompanying documentation furnished with, or as part of the Product is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Product.
- 4. PROOF OF PURCHASE; REGISTRATION:** The Purchaser's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility. Registration of any Product or of this limited warranty is voluntary, and failure to register will not diminish any rights available under this warranty.

DISCLAIMER OF WARRANTY

EXCEPT FOR THE FOREGOING WARRANTIES, LEDGLOW HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE OR IN ANY OTHER STATE STATUTE.

LIMITATION OF LIABILITY

THE LIABILITY OF LEDGLOW, IF ANY, AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DAMAGES FOR ANY CLAIM OF ANY KIND WHATSOEVER, REGARDLESS OF THE LEGAL THEORY AND WHETHER ARISING IN TORT OR CONTRACT, SHALL NOT BE GREATER THAN THE ACTUAL PURCHASE PRICE OF THE PRODUCT FOR WHICH SUCH CLAIM IS MADE. IN NO EVENT SHALL LEDGLOW BE LIABLE TO PURCHASER FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION, REIMBURSEMENT OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR FOR ANY OTHER REASON WHATSOEVER.

GOVERNING LAW: This non-transferrable limited warranty shall be governed by the law of the State of New Jersey, U.S.A., and the United States of America, excluding their conflicts of laws principles. The courts of Camden County, New Jersey, shall have the exclusive jurisdiction over any legal action with respect to this warranty.

This limited warranty gives specific legal rights. You may also have other rights that may vary from state to state or from country to country. Some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. You are advised to consult applicable state or country laws for a full determination of rights.