



INSTALLATION INSTRUCTIONS
Tech Support
856-768-5700 EXT 2
TechSupport@LEDGlow.com

Advanced 3 Million Wireless USB Limousine Underbody Kit

Warning: Please check your state and local laws before installing this LED 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: The installation of this kit is recommended to be installed by a licensed professional. **The improper installation of this kit will void all warranties.**

The control box that is used to power the underbody tubes must be installed in a dry location! 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.

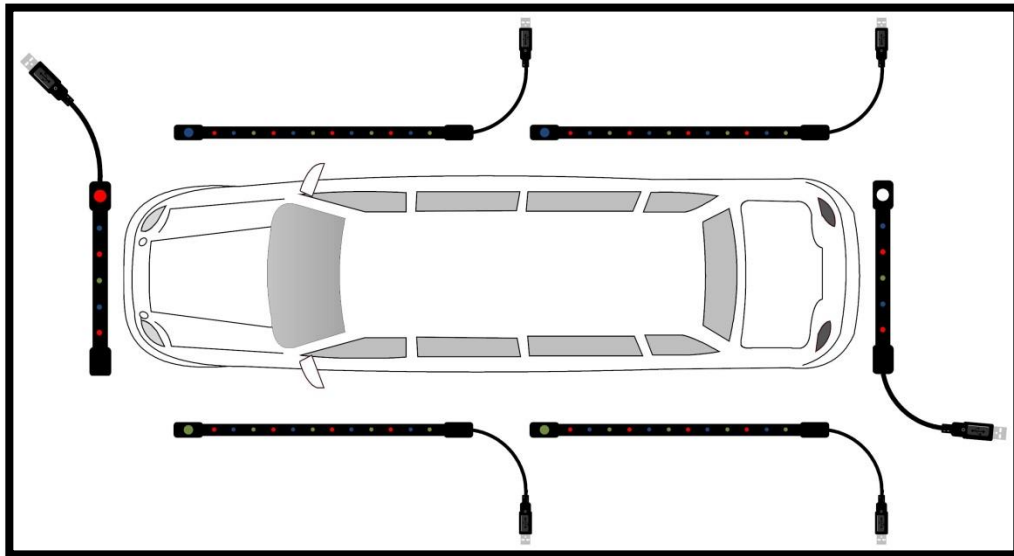
PLEASE READ THE FOLLOWING INSTRUCTIONS THOROUGHLY BEFORE INSTALLING AND OPERATING THIS LED UNDERBODY KIT.

Limo Underbody Kit Includes:

- (4) 48 Inch Tubes
- (2) 36 Inch Tubes
- (1) Control Box
- (1) USB Hub
- (1) Wireless Remote
- (14) Mounting Brackets
- (25) Zip Ties
- (30) Large Screws

Underbody Kit Installation:

1. Arrange the tubes out on the ground and test the kit to ensure proper functionality before installing.
2. **Before mounting the underbody tubes, please refer to the schematic below. The underbody tubes on this kit must be installed in a specific way. This ensures all lighting patterns are properly synchronized and displayed correctly.**



Note: The tubes can be plugged into any of the ports on the USB hub and will not affect the patterns.

3. **Optional:** Raise and support the vehicle.
4. First, mount the front 36 inch tube with the red sticker to your vehicle using the included mounting brackets and zip ties. Make sure the tube's USB connector is facing the passenger side and is at least 8 inches away from any direct heat source and/or away from all moving parts. Use the included zip ties to secure the underbody tube to the mounting bracket. **IMPORTANT: DO NOT MOUNT THE TUBE TO THE RADIATOR.**



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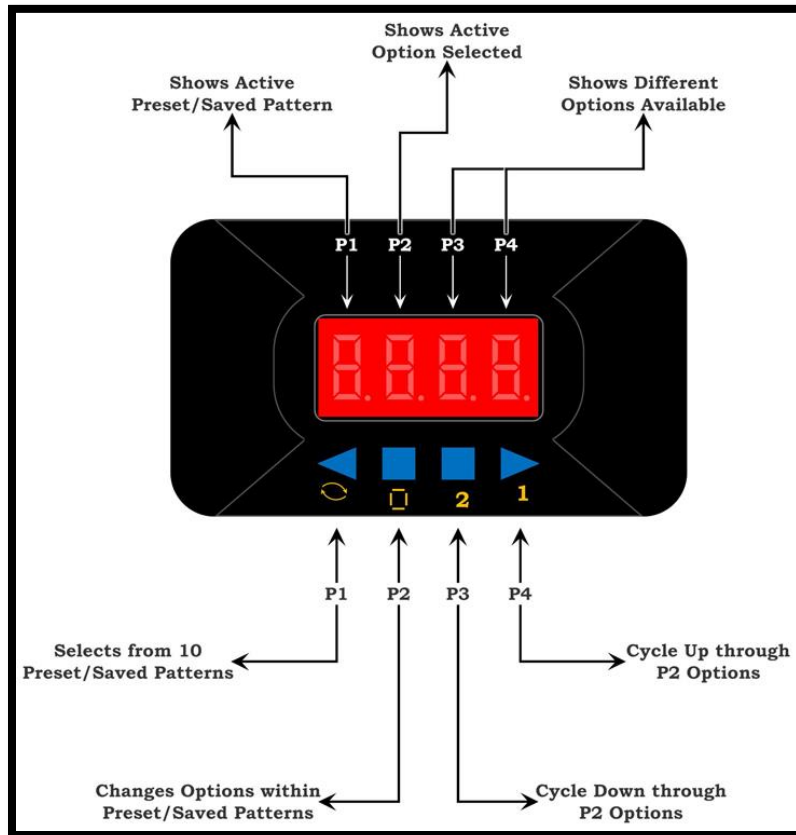
5. Next, mount the two driver's side 48 inch tubes with the green stickers using the included mounting brackets and zip ties. Make sure the USB connectors are facing the rear of the vehicle. A good mounting location for these tubes are to either the pinch well or side skirt. **Be extremely aware of the location of brake lines and fuel lines and do not mount the underbody tube too close to the exhaust. Leave at least 8 inches between the exhaust and the underbody tube.** Keep the tube and the power wire away from any moving parts. Use the included zip ties to secure the underbody tube to the mounting bracket.
6. Next, mount the rear 36 inch tube with the white sticker to your vehicle using the included mounting brackets and zip ties. Make sure the tube's USB connector is facing the driver side of the vehicle. **Be extremely aware of the location of brake lines and fuel lines, and do not mount the underbody tube too close to the exhaust. Leave at least 8 inches between the exhaust and the underbody tube.** Keep the tube and the power wire away from any moving parts. Use the included zip ties to secure the underbody tube to the mounting bracket.
7. Next, mount the two driver's side 48 inch tubes with the blue stickers using the included mounting brackets and zip ties. Make sure the USB connectors are facing the rear of the vehicle. A good mounting location for these tubes are to either the pinch well or side skirt. **Be extremely aware of the location of brake lines and fuel lines and do not mount the underbody tube too close to the exhaust. Leave at least 8 inches between the exhaust and the underbody tube.** Keep the tube and the power wire away from any moving parts. Use the included zip ties to secure the underbody tube to the mounting bracket.
8. **Find a safe, secure and dry place to mount the USB junction box.** We recommend mounting the junction box inside of the car, if possible. If this is not possible, we suggest mounting the USB junction box under the hood in the driest location available. **Optional:** For extra protection, apply a thin layer of silicone along the seams of the junction box to seal it.
9. Connect the red power wire to a 12 volt 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 to the battery, it must go through the firewall by using an existing grommet or by drilling a hole and adding a new grommet, which is available at any auto parts store. Be sure to install the 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 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 underbody kit will remember the previous color and pattern it was on prior to powering the vehicle down. You can also power this kit directly from your vehicle's fuse box by using LEDGlow's Expandable Circuit that is available at www.LEDGlow.com
10. Connect the black wire to a good unpainted metal source. A couple of good ground sources are under the dash at any main bracket or grounding block, the negative terminal on your battery or any engine ground.
11. Beginning with the rear tube, run the wire to the location of the USB junction box. Make sure to secure the wires tightly when going around the suspension and/or exhaust. Leave at least 8 inches between the exhaust and the underbody tube. Run the rear tube's power wire along one of the side tubes and make sure it is tightly secured. Next, run both side tubes power wires to the USB junction box and lastly, run the front tube's power wire to the USB junction box.
12. It is imperative to make sure that the wires are not mounted to any direct heat source or to any moving parts. Any excess length on the tube power wire will have to be bound up and secured tightly.
13. **DO NOT SHORTEN OR CUT ANY OF THE UNDERBODY TUBE POWER WIRES. THIS WILL DESTROY THE KIT AND VOID ALL WARRANTIES.**
14. Lower the vehicle if it was raised. Power the kit and test it for full functionality.
15. Once the vehicle is on the ground, 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 your tires or any other moving parts.



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Note: The control box features a built in sound activation mode that will pick up the vibrations from the music playing inside of your vehicle. Turning this mode ON and OFF is explained in the “Using the Control Box” section of these instructions below.

Using the Control Box





Turning the Kit ON and OFF

Using the Control Box

- To turn the kit ON, press and hold the P1 button for 3 seconds.
- To turn the kit OFF, press and hold the P1 button for 3 seconds

Using the Wireless Remote

- To turn the kit ON, press and hold the  button for 3 seconds.
- To turn the kit OFF, press and hold the  button for 3 seconds.

Customizing Colors, Patterns, and Pattern Speed

- **P1 Button and Display**
 - Pressing the P1 button cycles through the 10 factory presets or your 10 saved lighting patterns. The P1 display will show you what preset pattern is currently active.
 - **Note:** This underbody kit includes a real time auto save feature. Whenever any changes are made to a preset pattern and/or color, this kit will automatically save the changes.
 - **Note:** When you are ready to customize a preset be sure to select the correct number so you do not overwrite any patterns you may have already customized.

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- **P2 Button and Display**

- Pressing the P2 button allows you to change the various options within the selected pattern.
 - Press and hold this button for 2 seconds to activate. Release this button when the number “1” flashes in the P2 position on the display.
 - To select and move to the next option, simply press the P2 button again.
 - **Note:** Once an option is changed, pressing this button again to change another setting will not affect your previous selection.
 - **Note:** The sound activation mode is on this kit is preset to the on position. If your patterns are not functioning properly, ensure that the sound activation mode is turned off by referencing the “Sound Activation Mode” section of the instructions.
- **What each P2 number displayed on the control box represents:**
 - 1 – Pattern Selection
 1. This allows you to select from 19 customizable patterns using the P3 and P4 buttons.
 2. Note: When this is set to 0, no pattern is selected.
 - 2 – Pattern Speed
 1. This allows you to select the speed of the pattern using the P3 and P4 buttons.
 2. Speed range is from 0 to 19.
 - 3 – Primary Color Setting
 1. Selects the Primary Color displayed on the kit.
 2. This allows you to select from 19 preset color modes using the P4 button. The colors are listed below. **Note:** The number before each color represents the number displayed on the P4 portion of the control box. Setting this kit to a solid color mode or creating your own color is explained below.

2 – Multi Color Mode	11 – Slow Red Fade
3 – Red	12 – Slow Green Fade
4 – Green	13 – Slow Blue Fade
5 – Blue	14 – Slow Yellow Fade
6 – Yellow	15 – Slow Purple Fade
7 – Purple	16 – Slow Teal Fade
8 – Teal	17 – Slow White Fade
9 – White	18 – Slow 7 Color Fade
10 – 7 Color Fade Mode	19 – Million Color Fade Mode

- 4 – Secondary Color Fade Speed
 1. This allows you to control the speed of the secondary color fade in certain patterns using the P3 and P4 buttons.
 2. Fade range is from 0 to 19.
 3. A pattern with primary and secondary color options must be selected in order to use this option.
- 5 – Changes the Secondary Color
 1. This allows you to change the color of the secondary pattern using the P4 button
 2. Secondary color numbers correspond with primary color numbers.
 3. A pattern with primary and secondary color options must be selected in order to use this option.
- 6 – Secondary Pattern Speed
 1. This allows you to change the speed of the secondary color that is running through the primary color using the P3 and P4 buttons.
 2. Speed range is from 0 to 19.
 3. A pattern with primary and secondary color options must be selected in order to use this option.
- 7 – Sound Activation Mode
 1. This allows you to put this kit into a sound activation mode using the P4 button.
 2. Setting to 0 turns the sound activation mode OFF.
 3. Setting to 1 turns the sound activation mode ON.
 4. Important: Sound activation is defaulted to the ON position. If your patterns are not working correctly, ensure that this setting is set to 0.
- 8 – Sound Activation Mode Sensitivity
 1. Allows you to change the sensitivity of the sound activation mode using the P3 and P4 buttons.
 2. Sensitivity range is from 0 to 9.

- **P3 and P4 Buttons and Display**

- Pressing these buttons allows you to cycle through options.
- P3 cycles down through the options.
- P4 cycles up through the options.



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- **Setting the Kit to a Solid Color and Creating Custom Solid Colors**

- Setting the Kit to a Solid Color Mode
 - Press the P1 button to your desired preset number.
 - Once you have selected your desired preset position, press and hold the P2 button until the “1” flashes on the control box display.
 - Now that the number “1” is flashing in the P2 position on the display, press the P3 button until the display reads 0 in the P4 position.
 - Now press the P2 button until a “3” is flashing in the P2 position on the control box display
 - Once a “3” is displayed in the P2 position on the control box display, you can press the P4 button to cycle through all solid color modes. **Note:** Reference the numerical chart above for each solid color mode display number.
- Creating a Custom Solid Color
 - **You must be in the Solid Color Mode explained above to create custom colors.** Once you are in the solid color selecting the mode explained above, press the P4 button until a “19” is displayed in the P4 position on the control box display. This will put the kit into a Million Color Fade Mode.
 - While you are in this mode, you can press the P3 button any time to pause the kit when you find your desired color. The auto save feature will automatically save your color to your selected preset number.
 1. **Note:** You can double press the P3 button to slowly step between each color, giving you more control over your color selection.
 2. **Note:** Your custom color will automatically save to the preset number you selected on the P1 display.

- **Restoring the Kit Back to Factory Settings**

- Turn the kit off, then press and hold the P4 button for 3 seconds.
- When the display is flashing with a “1”, the factory defaults have been restored.

- **Wireless Remote Functions**

- The included wireless remote only allows you to turn the kit ON/OFF, cycle through saved patterns, as well as put the kit into Sound Activation Mode.
- **Note: To customize patterns and colors, you MUST use the Control Box.**

1. **Powers the Kit ON/OFF**
2. **Turns Sound Activation Mode ON/OFF**
3. **Cycles Through Preset/Saved Patterns**
4. **Not Used**



- **Reprogramming the Wireless Remote to the Control Box**

- If you lost or need to replace your wireless remote, follow the instructions below:
 - Turn the kit OFF by pressing the P1 button.
 - Press and hold the #3 button on the wireless remote while holding the P2 button down on the control box.
 - The control box will quickly flash “0000” on the display if successful.

- **Adding Additional Underbody, Interior or Wheel Well Tubes to your Control Box**

- This underbody kit can power an unlimited amount of add-on tubes whether it is underbody, interior or wheel well tubes.
- To power the additional tubes, simply connect them to your existing USB hub. Each USB hub can power a total of 6 tubes.
- **Note: If all the USB ports are being used on the hub, connect the add-on USB hub that came with your add-on kit to your existing USB hub using the included linking cable.**



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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.