Installation Manual: Automotive Interior LED Light Kit

Please read all instructions carefully before installation.Disclaimer: The manufacturer is not responsible for damage caused by improper installation, electrical short circuits, or incorrect wiring. If you are unfamiliar with automotive electrical systems, professional installation is recommended.

1. Safety PrecautionsDisconnect the Battery: Always disconnect the negative terminal of the car battery before starting to prevent short circuits or airbag deployment.Test First: Before routing wires permanently, connect the system to the power source to ensure all LEDs function correctly.Avoid Moving Parts: Keep all wires and LED strips away from pedals, steering column, shifter mechanisms, and seat rails.Secure Wiring: Use zip ties to secure loose wires. Loose wires can cause noise or become tangled in moving parts.

Heat Awareness: Do not mount LED strips near heat sources (heater vents, engine components) unless specified that the strips are heat-resistant.

2. Components List

Verify that all components are present in the package:LED Strips: (Quantity varies by kit: typically 4-6 strips)Control Box / Receiver: (The main module)Wireless Remote ControlPower Adapter / Fuse Tap: (Usually a cigarette lighter plug or a fuse tap wire)Extension CablesMounting Accessories: Zip ties, 3M double-sided tape (often pre-applied to strips), and wire clips.

3. Installation Steps

Step 1: Plan Your Layout

Decide where you want to install the LED strips. Common locations include:Front Footwells: Under the dashboard (driver and passenger sides).Rear Footwells: Under the front seats (facing the rear passengers).Door Panels: (Requires running wires through the door boot; advanced installation).Center Console: Side panels of the center console.

Tip: Ensure the mounting surface is clean, dry, and flat before applying the adhesive.

Step 2: Mount the LED StripsClean the surface: Use the provided alcohol wipe or rubbing alcohol to clean the mounting area. Let it dry completely.Peel and stick: Remove the backing from the 3M tape. Press the LED strip firmly onto the surface for 30 seconds.

Orientation: Ensure the strip is positioned so the light shines toward the floor (or desired area), not directly into the driver ’ s eyes.

Step 3: Route the WiresConnect the LED strips to the extension cables (if necessary).Hide wires: Tuck wires behind the dashboard panels, kick panels (the trim along the floor by the door), and under the carpet.Secure: Use zip ties to bundle excess wire and secure them to existing factory wiring harnesses or metal brackets away from moving parts.

Step 4: Connect to Power

There are two common methods to power the system. Choose one:

Option A: Cigarette Lighter / 12V Socket (Easiest)Run the power cable to your vehicle ’ s 12V accessory socket (cigarette lighter). Plug the adapter in.Note: The lights will only turn on when the car is in "ACC" or "ON" position (or always on if the socket is constant power).

Option B: Fuse Box (Hardwire - Recommended for Clean Install)Locate the interior fuse box (usually under the dashboard near the driver ’ s side).Find a fuse:For Always On (lights on even when car is off): Tap into a constant power fuse (e.g., Door Lock, Hazard). For ACC On (lights turn off with car): Tap into a switched power fuse (e.g., Cigarette Lighter, Radio, Wiper).Use a Fuse Tap: Remove the selected fuse, insert it into the fuse tap, and plug the tap into the slot.Ground: Connect the black (ground) wire from the control box to a clean, unpainted metal bolt near the fuse box. Sand off any paint if necessary to ensure a solid connection.

Step 5: Connect the Control BoxPlug all LED strips (or extension cables) into the respective ports on the Control Box.Note: Ports are often labeled (e.g., Front Left, Front Right, Rear). Plugging them in correctly ensures the "Music Mode" and directional controls work properly.Plug the Power cable into the Control Box.Secure the Control Box inside the dashboard cavity using double-sided tape or zip ties. Ensure it is hidden but the IR sensor (if present) is not blocked if you are using an Infrared remote.

4. Testing & SetupReconnect the battery (if disconnected).Turn the vehicle key to the "ACC" or "ON" position.Point the remote at the control box/sensor.Press the ON button.Test all colors and modes:Color Buttons: Red, Green, Blue, etc.Dynamic Modes: Flash, Strobe, Fade, Music Mode.Test Music Mode: If your kit includes a microphone, tap near the control box or play loud music to ensure the microphone is picking up sound. Adjust the microphone sensitivity if the control box has a dial.

5. Troubleshooting

IssueSolutionLights do not turn onCheck the fuse (blown?). Ensure ground wire has solid metal contact. Verify the car ignition is on (if tapped to ACC). Test with a multimeter to confirm 12V power.One strip does not light upCheck the connection between the strip and the control box. The strip may be damaged; test it in a different port on the control box to verify.Remote control not workingReplace the remote battery (CR2025 or CR2032). Ensure the IR sensor (small black bulb) is not covered and has line-of-sight .Lights stay on when car is offYou have tapped into a constant power fuse. If you want them to turn off with the car, move the tap to a "Switched" fuse (e.g., Radio).Flickering lightsCheck the ground connection for looseness or corrosion. Check the voltage stability (12V).

6. Maintenance & WarrantyCleaning: Do not use chemical cleaners directly on the LED strips. Wipe gently with a dry microfiber cloth .Water Resistance: Most interior kits are designed for dry indoor use only. Avoid exposing the strips or control box to moisture, rain, or spilled liquids.

For warranty claims or support, please contact the retailer with your proof of purchase.