



FlowLighting Inferno V2 LED Underbody Kit

Features

7 normal color, 7 ground color, 10 multi color changing
Million color and 42 multi color combination changing
13-key super thin infrared remote control
10 normal display modes
10 music-controlled modes
9 flash multi color modes
Speed control from slow to fast
Memory of last pattern

Paused “freeze frame” option
Edit of color for every pixel of tube
Remote can select microphone or line in audio source
64 levels of music sensitivity
6 tone levels for bass and treble adjustment
Auto loop demo mode
Digital remote display
288 Superflux 2-chip LEDs

Contents

2x Long tubes
2x Short tubes
1x Electronic Control Unit (ECU)
1x Remote display

1x Remote control handset
1x Power supply wire
1x Line-in audio wire
All necessary mounting hardware

Before Installation

1. Unpack entire contents and check for any damaged components before testing the kit.
2. Place all four LED tubes on a table and connect the four LED control wires of the tubes to the back of the ECU. Connect the remote display wire to the ECU.
3. Using a 12v DC power source, connect the power wires to the ECU. Connect the RED (power) wire to positive (+) 12v and the BLACK (ground) wire to negative (-) 12v.
4. The LED tubes will auto loop all normal displays at power on. If none of the LEDs light up, then go back to step 3 and check your connections for power and ground.

Installation Instructions

Caution: Keep tubes and wiring away from all fuel lines, exhaust systems, areas of extreme heat, ABS components, SRS airbag components, moving parts, and locations where lifts or jacks are used to raise your vehicle. Install the ECU away from moisture and extreme heat. Do NOT install the ECU in the engine bay!

1. Select a desired location for the ECU. An ideal location is somewhere under the dashboard where it is close to the battery and protected from the elements.
2. The display should be positioned where the driver can see it. It receives infrared signals from the remote control and has a built in microphone for music reaction. CAUTION: It is dangerous for the driver to operate the kit while the vehicle is moving.
3. With the ECU mounted, connect the power wire to the car battery. Connect the RED (power) wire to positive (+) 12v. Attach the BLACK (ground) wire to the metal part of the car. If you have a line-out connection on your audio system, you may use the included line-in audio wire to connect the ECU directly to your audio source for precise music reaction.
4. Select the desired locations for the LED tube placement. Note: You should be careful to install the LED tubes according to the recommended configuration (see diagram for details). If you install the tubes in any sequence other than that shown in the diagram, then the display will not appear as intended by the FlowLighting pre-programmed patterns.
5. Using self-tapping screws, fasten the LED tubes to your vehicle in the recommended mounting positions. For the patterns to work correctly, the wires must exit the tubes on the proper side (see diagram for details). As noted above, do not attach the self-tapping screws to any fuel lines, gas tank, exhaust system, areas of extreme heat, ABS components, SRS airbag components, moving parts, or locations where lifts or jacks are used to raise your vehicle.
6. Run the wires from each LED tube underneath the vehicle up into the ECU location. Make sure that the wires are not close to any of the areas mentioned in the caution above.
7. With all four control wires located at the ECU, plug each LED tube control wire into the back of the ECU. Plug the remote display control wire into the ECU. It is important to plug the proper wire into the proper port on the ECU.
8. Once wiring and mounting for all components is completed, your FlowLighting underbody kit is ready for use. You may need to adjust the position or angle of the LED tubes to achieve the best display results. Generally it is best to have the LED side of the tube pointing down and placed such that the direct light from the LEDs is not visible to others viewing the vehicle.

Remote Control and Display Instruction

1. **POWER:** Remote display will display “P” at power OFF (standby). In power, ON display will show the current mode. At power on, the kit will remember the last pattern used.
2. **NORMAL:** Selects normal display mode. There are 10 normal modes. Display will show “A0-A9”.
3. **GROUND:** Selects 7 ground color changing. Display will show “d0-d6”.
4. **R.G.B:** In color edit modes, press this key to adjust the red, blue, and green color levels.
- 5&6. “-“ & “+“: In music modes, these buttons control the music sensitivity. Display will show the sensitivity. The minimum value is 1 (least sensitive), and the maximum value is 64 (most sensitive). In C7 modes, these buttons can select 7 colors. Display will show “C0-C7”.
In **Normal** modes, press “-“ or “+“ to adjust the flash speed from F0 (slow) to F9 (fast).
In **Ground** modes, press the “-“ or “+“ to choose the flash color from C0 to C6.
In **Multi Flash** modes, press “-“ or “+“ to adjust the flash speed from F0 (slow) to F9 (fast).
In **Color Edit** modes, press “-“ or “+“ to adjust the **R.G.B** brightness of each pixel.
7. **CA:** Press this key to select the 10 DIY color changing. Display will show “b0-b9”.
8. **T/E:** Tone and Edit dual function key. If pressed quickly, it can select the 6 audio tone levels. If pressed and held for a few seconds, it will go to DIY color edit modes. For detailed information, see **Editing DIY Color**.
9. **C7/CL:** Selects the 7 color modes C7 or Million color loop modes CL
10. **Multi:** Selects the Multi color modes. Display will show “E0-E9”.
11. **Multi F:** Selects the Multi Flash modes. Display will show “L0-L9”
12. **MUSIC:** If pressed quickly, this button will choose between 10 music modes. Display will show “U0-U9”. If held for a few seconds, this button will select between Microphone and Line-in audio music controls. Display will show “L-“ or “P-”
13. **PAUSE:** Freezes the pattern and colors. Press it again to un-freeze. To access the demo mode (great for car shows!), hold the PAUSE button for 2 seconds.

Editing DIY Color

The tubes have 5 segments of lights. Every segment can be individually controlled. The red, blue, and green LED brightness can be adjusted.



L1 to L5 color editing

- A. Press the **CA** key to select the CA modes from b0-b9. The display will show “b0-b9”. For example, select b0.
- B. Press the **T/E** key for a few seconds. It will go to editing modes. Display will show “E”. All LEDs will be lit.
(To adjust the color of the entire tube as a whole, continue to step C. To adjust the color of each segment individually, press the T/E key once again at this point.)
- C. Press the **R.G.B** key to select the edit color (either red, blue, or green LEDs). The display will show r, g, or b.
- D. Press the “-“ or “+“ keys to adjust the brightness of each pixel.
- E. Repeat steps C and D until you like the color, then press the **Power** key to power off. The color will be saved in memory.

Tone Select

The tone level sensitivity can be adjusted for a better response to your audio system. Press the T/E key quickly to cycle through the tones in the following table.

If you want the lights to respond to the Bass, it is best to select H5

Tone No.	Bass (100 Hz) (dB)	Treble (10 KHz) (dB)
H0	-14	+8
H1	-8	0
H2	0	0
H3	+4	+8
H4	+10	-8
H5	+14	-14

About the Aux Jack Option

The AUX jack can connect two FlowLighting 6" tubes with the simple 3-wire hookup. This is a good option for extra lighting under the dash, or anywhere else.

About the Wheel Kit Option

A FlowLighting Inferno V2 Wheel Well Kit is available to create a big and beautiful light system. The wheel well kit will extend the last pixel of each tube.

Note: If you add more light tubes, you must install a larger fuse on the ECU's power wire.

