

HAZI TECH

FRONT HOOD LIGHT SYSTEM

Dynamic DRL & Sequential Turn Signal Controller



USER MANUAL

Installation • Wiring • Length Adjustment • DRL Mode

1. Product Overview

The HAZI TECH Front Hood Light System is a flexible silicone LED light strip with an external controller for dynamic daytime-running-light (DRL) effects and sequential turn-signal operation. The strip can be trimmed to suit the vehicle, and the controller provides adjustment for strip length and DRL operating mode.



Specification	Value / Description
Operating voltage	DC 11-15 V
Material	Silicone tube + LED
Waterproof rating	IP66
Power	7-16 W
Fuse	5 x 20 mm, 3 A
Lighting functions	White DRL + sequential turn signal
Adjustments	Strip length and DRL mode via controller

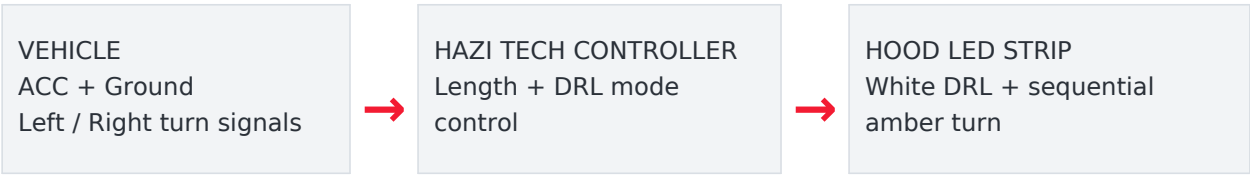
Controller Buttons

- + button: short presses are used during length adjustment; long press enters/saves the length setting.
- button: short presses reduce the adjusted length; long press switches the DRL mode.

2. Wiring Connections

The supplied wiring uses four vehicle-side wires. The original product instructions identify them as follows:

Wire	Connection / Function
Red	ACC / switched positive power supply
Black	Negative / ground
Yellow	Turn-signal positive - one side
Green	Turn-signal positive - opposite side



POWER CONNECTION NOTES

For normal operation, connect the red wire to an ACC/switched positive source so the light powers with the vehicle. The supplied instructions also describe an alternative night-light connection where the red wire is connected to the headlight-positive circuit, allowing the strip to illuminate with the vehicle lighting.

3. Installation

Test the complete light system from the vehicle battery / intended power source before permanent installation. Confirm that the white DRL and both turn-signal inputs operate correctly.

- 1** Test first
Temporarily connect the controller and verify operation before mounting or cutting the strip.
- 2** Clean the mounting surface
Wipe the hood-light installation area so it is clean, dry and free from oil, wax and dust.
- 3** Position the strip
Plan the strip route across the front of the vehicle before removing adhesive backing or permanently securing it.
- 4** Trim only at a permitted cut section
The source instructions state that the lamp can be shortened in approximately 4 cm sections. Cut only at the strip's designated cut position.
- 5** Reseal the cut end
After trimming, reseal the cut end to maintain protection against moisture.
- 6** Secure controller and wiring
Mount the controller in a protected location and route wiring away from heat, sharp edges and moving components.
- 7** Adjust the controller
Set the usable strip length and preferred DRL mode after installation.

IMPORTANT

Do not cut the strip at an arbitrary position. Confirm the permitted cut location before trimming. After cutting, reseal the exposed end properly before the strip is exposed to weather.

4. Controller Adjustment

The controller face provides + and - buttons. The printed controller label states: + LONG PRESS: ADJUST LENGTH and - LONG PRESS: ADJUST DRL MODE.

Adjust LED Strip Length

1. With the system operating in DRL/day-light mode, long press the + button to enter length adjustment.
2. The adjustment position is indicated on the strip. Use short presses of + to increase the active length and short presses of - to reduce it.
3. When the desired length is reached, long press + again to save and exit.

Adjust Sequential Turn-Signal Start / Active Length

The supplied product sheet describes a second length-related adjustment for the dynamic turn signal. With the turn signal active, use the controller's + / - adjustment procedure to position the illuminated section as required, then save the setting with a long press of +.

Change DRL Mode

With the light operating in its normal DRL/headlight state, long press the - button to switch the daytime-running-light mode. The source instructions describe selectable steady and dynamic DRL behavior.



5. Operating Functions

Function	Behavior
Daytime Running Light (DRL)	White illumination. Controller allows steady or dynamic DRL mode selection.
Left Turn Signal	Sequential amber/yellow turn indication from the corresponding vehicle turn-positive input.
Right Turn Signal	Sequential amber/yellow turn indication from the opposite vehicle turn-positive input.
Strip Length	Active illuminated length can be adjusted to suit the installed strip length.
Trim-to-fit strip	Strip may be shortened only at designated cut sections; source instructions indicate appropriate locations.

Recommended Final Test

After installation, test the DRL mode, left turn signal and right turn signal independently. Confirm that the illuminated length matches the physical strip and that the turn animations begin and end in the intended positions.

6. Safety, Care & Support

Use a fused supply as specified, verify polarity before applying power and protect all electrical connections from moisture. Do not route wiring where it can contact hot engine components, sharp metal edges or moving parts. The controller should be mounted in a protected location.

Before Finalizing the Installation

- Confirm red power and black ground connections.
- Verify left and right turn-signal inputs separately.
- Confirm the selected DRL mode.
- Confirm the programmed strip length matches the installed strip.
- Check that any trimmed strip end has been properly resealed.
- Secure the controller, strip and all wiring before road use.

HAZI TECH SUPPORT

Website

<https://hazi-tech.com/>

Email

info.hazitech@gmail.com

WhatsApp

+94 779 299 171

For installation questions, vehicle-specific wiring or controller adjustment assistance, contact HAZI TECH.

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