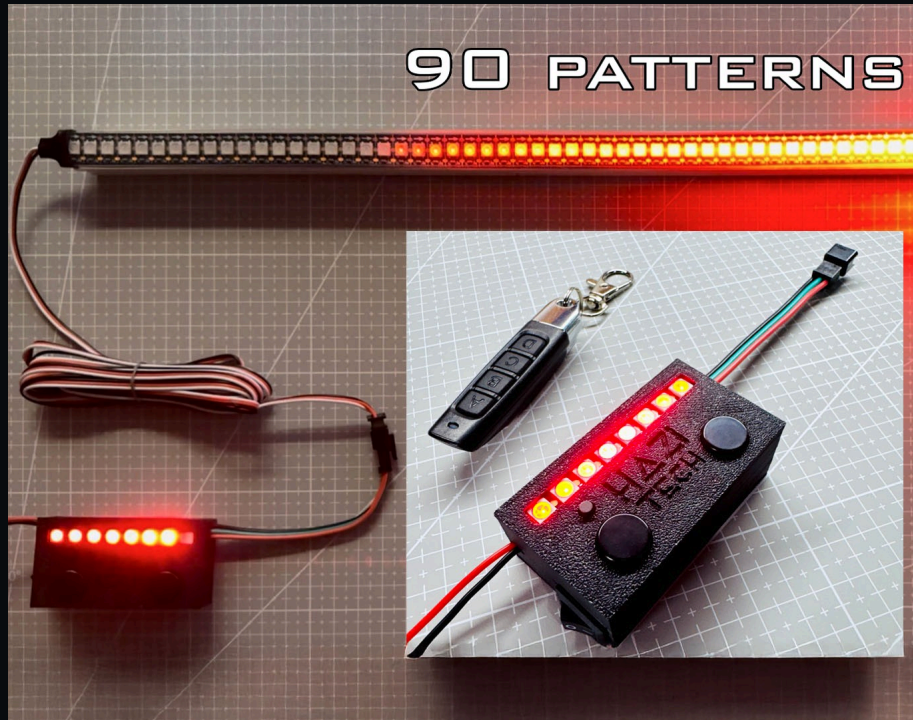


**HAZI TECH**

# LED SCANNER SYSTEM

Pixel LED Controller Box V2



## **USER MANUAL**

Installation • Operation • Pattern Guide • Support

# 1. Product Overview

The HAZI TECH LED Scanner System combines a programmable Pixel LED Controller Box V2 with an IP68 waterproof pixel LED strip. The controller provides 90 total patterns across 10 main design categories, with 9 colour variations and an Auto Colour mode.



|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Controller input</b>         | 6-12 V DC                       |
| <b>LED strip</b>                | IP68 waterproof pixel LED strip |
| <b>LED density</b>              | 144 LEDs/m                      |
| <b>Patterns</b>                 | 90 total patterns               |
| <b>Design categories</b>        | 10                              |
| <b>Colour modes</b>             | 9 including Auto Colour         |
| <b>Cabin display brightness</b> | 8 levels                        |

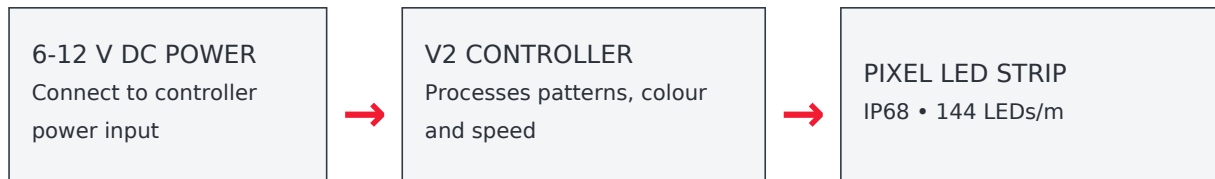
## What's Included

Main items: LED Controller Box with Remote; IP68 waterproof pixel LED strip (144 LEDs/m) with 10 feet of wire.

Optional add-ons: Spare remote controller; 12 V cigarette lighter plug with On/Off switch, fuse, LED indicator and 3 feet of wire.

## 2. Installation & Wiring

Use the controller only within its specified 6-12 V DC input range. Before installation, identify the power input leads and the three-wire LED output connection shown on the controller.



- 1** Mount the LED strip  
Position the IP68 pixel LED strip securely in the desired installation location.
- 2** Connect the LED strip  
Connect the LED strip to the controller using the supplied wiring/connector arrangement.
- 3** Connect DC power  
Connect the controller to a suitable 6-12 V DC supply.
- 4** Power on and test  
Switch the system on and confirm that the strip and controller display operate before finalizing the installation.

### Remote Battery Note

The remote-controller battery is not included in international shipments. A replacement can be purchased locally. Battery replacement guide: <https://youtu.be/SrujUb12HkU>

### 3. Controller & Remote Operation



| Remote button | Function                                                       |
|---------------|----------------------------------------------------------------|
| A             | Change colour or sub-pattern                                   |
| B             | Switch to the next design category                             |
| C             | Adjust animation speed - 8 levels, shown in red on the display |
| D             | Put the system to sleep. To wake the system, press A or B.     |

#### Controller Box Buttons

| Control          | Function                                                   |
|------------------|------------------------------------------------------------|
| Left button      | Change pattern                                             |
| Right button     | Change colour or sub-pattern                               |
| Function + Left  | Adjust cabin-display brightness - 8 levels, shown in white |
| Function + Right | Adjust animation speed                                     |
| Power switch     | Completely cuts power to the system                        |

# 4. Patterns, Colours & Display

The V2 controller provides 90 total patterns. Patterns are organized into 10 main design categories, with colour/sub-pattern selection available from the controller or remote.

## Colour Modes

|        |        |                  |
|--------|--------|------------------|
| Red    | Blue   | Amber            |
| Cyan   | Purple | Green            |
| Yellow | White  | Auto Colour Mode |

## Design Categories

1. Modern KITT Scanner

2. Modern KARR Scanner

3. Original KITT Scanner

4. Original KARR Scanner

5. KARR Variation 1
6. KARR Variation 2

7. Breathing

8. Red & Blue Emergency Flash

9. Amber Emergency Flash

10. Bonus Modes

Bonus modes: KITT Rainbow, KARR Rainbow, Full Rainbow, Fire, Random Red Flash, Breathe from Center, KITT Talking, Fire Red, Red Blue Scanner.

Note: The pattern names above are retained from the current V2 operating guide so customers can match the manual to the controller's existing pattern set.

# 5. Quick Guide & Support

## Everyday Quick Reference

| I want to...                        | Use                                         |
|-------------------------------------|---------------------------------------------|
| <b>Change the design</b>            | Remote B or controller Left button          |
| <b>Change colour / sub-pattern</b>  | Remote A or controller Right button         |
| <b>Change animation speed</b>       | Remote C, or Function + Right on controller |
| <b>Change display brightness</b>    | Function + Left on controller               |
| <b>Temporarily sleep the system</b> | Remote D                                    |
| <b>Wake from sleep</b>              | Remote A or B                               |
| <b>Completely switch off</b>        | Controller power switch                     |

## Basic Checks

If the system does not operate as expected, first confirm that the controller has a suitable 6-12 V DC supply, the LED-strip connection is secure, and the controller power switch is on. If the system is in sleep mode, press Remote A or B to wake it.

### HAZI TECH SUPPORT

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Remote battery replacement guide  
<https://youtu.be/SruJUb12HkU>

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