

ELEGANZA

An Custom Automotive Human Machine Interface

By



DREAMHATCHER
STUDIO

Get in Touch 



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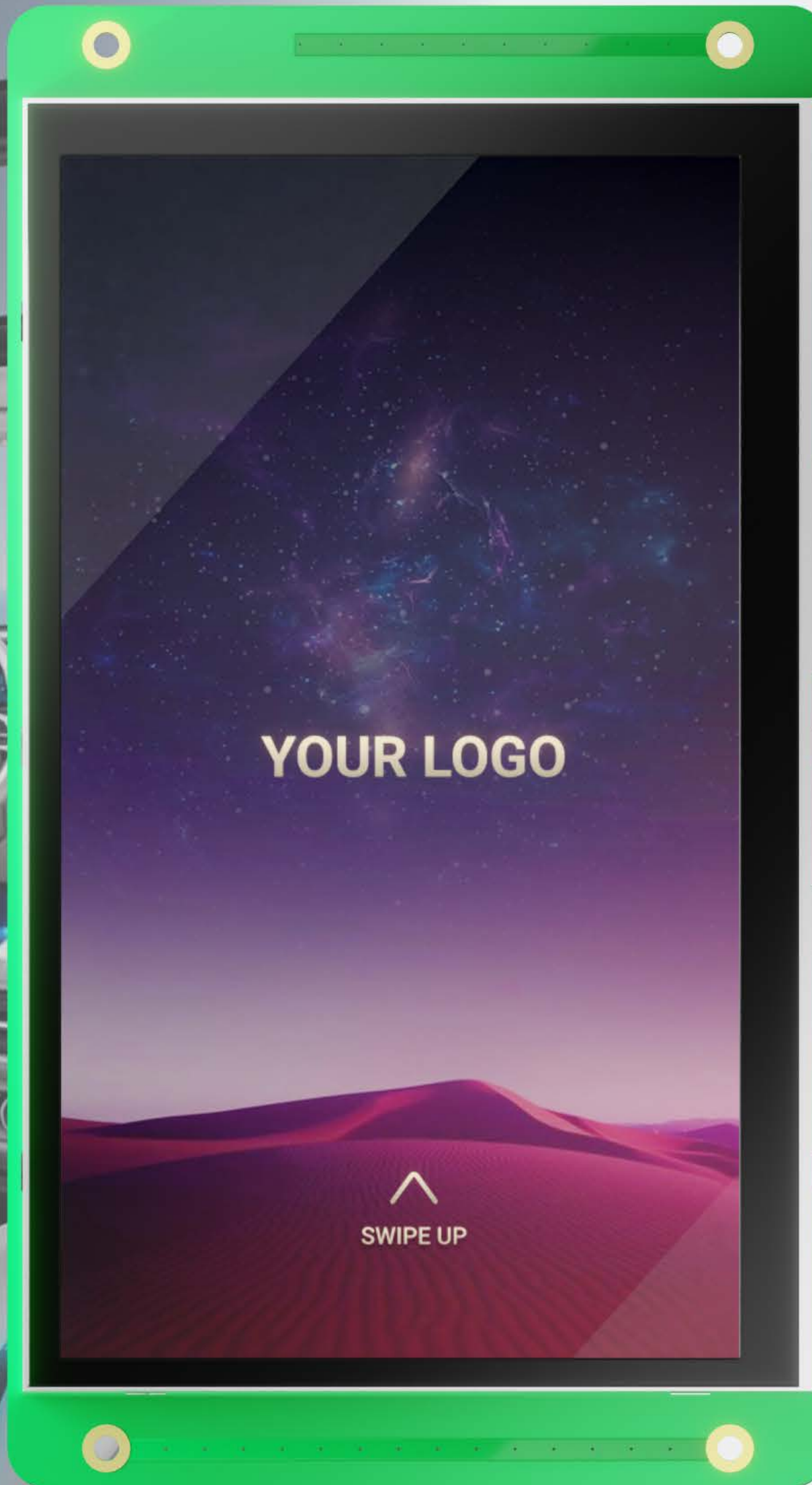
sales@dreamhatcherstudio.com



Introducing **ELEGANZA**,

A cutting-edge Automotive Interior HMI that will revolutionize in-car control. Our interface offers unprecedented versatility, allowing users to seamlessly manage their vehicle's inner space with precision.

Tailored to meet individual preferences, its customizable features empower users to design an interface that suits their unique needs. With intuitive controls and innovative functionality, *ELEGANZA* enhances the Cabin experience, putting the power to command the interior environment at your fingertips.



Customizable Boot Up Screen

Customization of the boot-up screen, showcasing your brand name and logo upon startup. This personalized touch not only reinforces brand identity but also enhances user experience, fostering brand recognition and loyalty every time the vehicle is turned on.



This product enables you to control various other features within your vehicle :

- Lights
- Seat
- Blinds
- Door
- Expansion
- Powered TV Mechanism
- Power Table



ELEGANZA **DISPLAY**

Available in 7" and 4.3" variants





ELEGANZA **DISPLAY**

Available in 7" and 4.3" variants

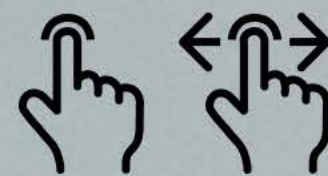
Key Features

1024 x 600

High resolution IPS Display 7"

800 x 480

High resolution IPS Display 4.3"



Supports Single and
Continuous Sliding touch

16.7million

Colors offers True to Life details



Wide viewing Angle

30,000 hrs

Long lifespan before dimming
to 50% brightness

250 nits

Optimal Brightness for visibility
in various lighting conditions

Bespoke GUI

Designed Once, Perfectly
Tailored for Your Unique Vehicle



Can be installed
Horizontally or Vertically



Conformal coated for added
Protection



ELEGANZA **DISPLAY**

Available in 3.1" dial size (2.1" display)

Key Features

480 x 480

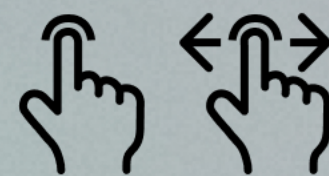
High resolution IPS 3.1" dial size
(2.1" display)

262k color

Colors offers True to Life details

20,000 hrs

Long lifespan before dimming
to 50% brightness



Supports Single and
Continuous Sliding touch



Wide viewing Angle

350 nits

Optimal Brightness for visibility
in various lighting conditions

Bespoke GUI

Designed Once, Perfectly
Tailored for Your Unique Vehicle



Circular rotary screen
with encoder shell



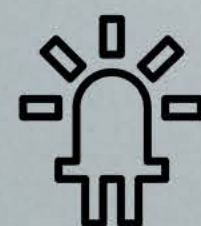
ELEGANZA MINI

Controller Module

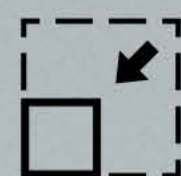
Key Features

2 Displays

Supports up to 2 Displays



Real time monitoring of Relay status
for quick diagnostics



Compact Design optimized for
space-saving installation

16-Channel

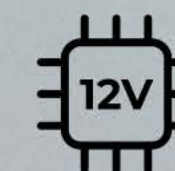
8-Channel relay (10amp) + 8 channel
dimmer (15amps)



Reverse voltage protection to prevent
damage from incorrect wiring



Plug & play for easy installation
and integration



Single 12V common pin for
streamlined wiring



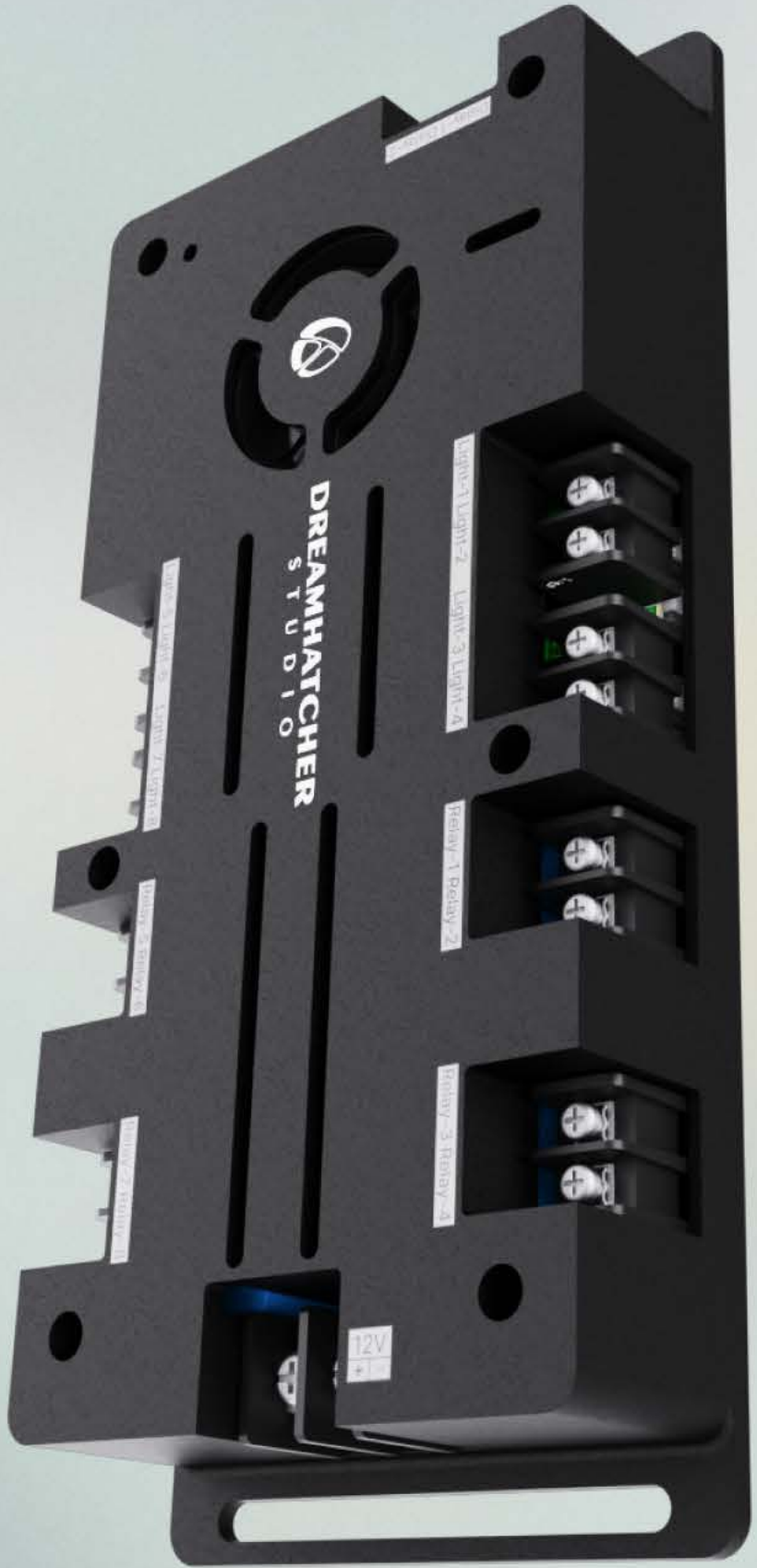
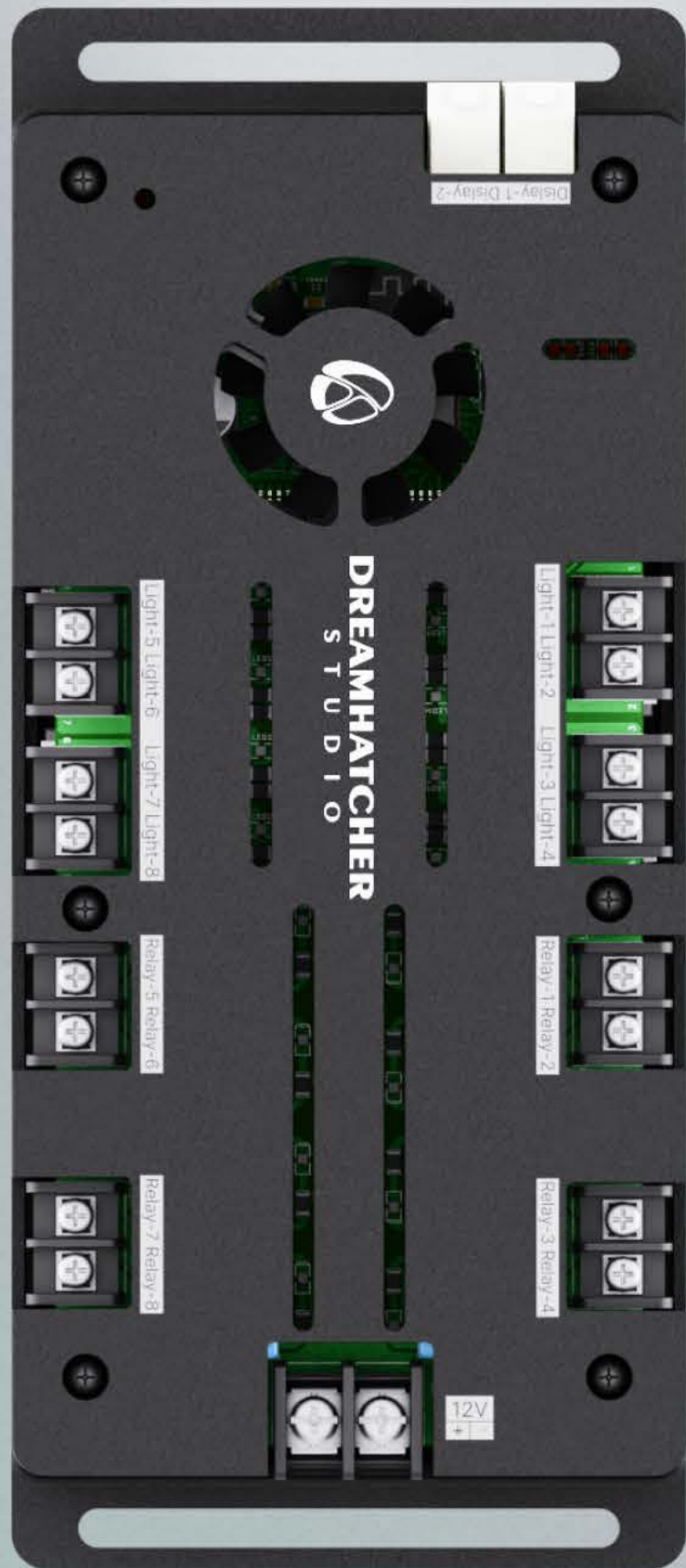
Industrial-grade components
designed for automotive &
rugged environments



Thoughtfully designed for easy
troubleshooting and
maintenance

ELEGANZA **MINI**

Controller Module



Mosfet Points can be used for Lights only

To this Mosfet point one can connect either Dimmer Light, Normal Toggle, ON-OFF light or 12v RGB strip light

Visual Example of RGB Strip Light:

RGB Strip light will utilize 3 Mosfet points

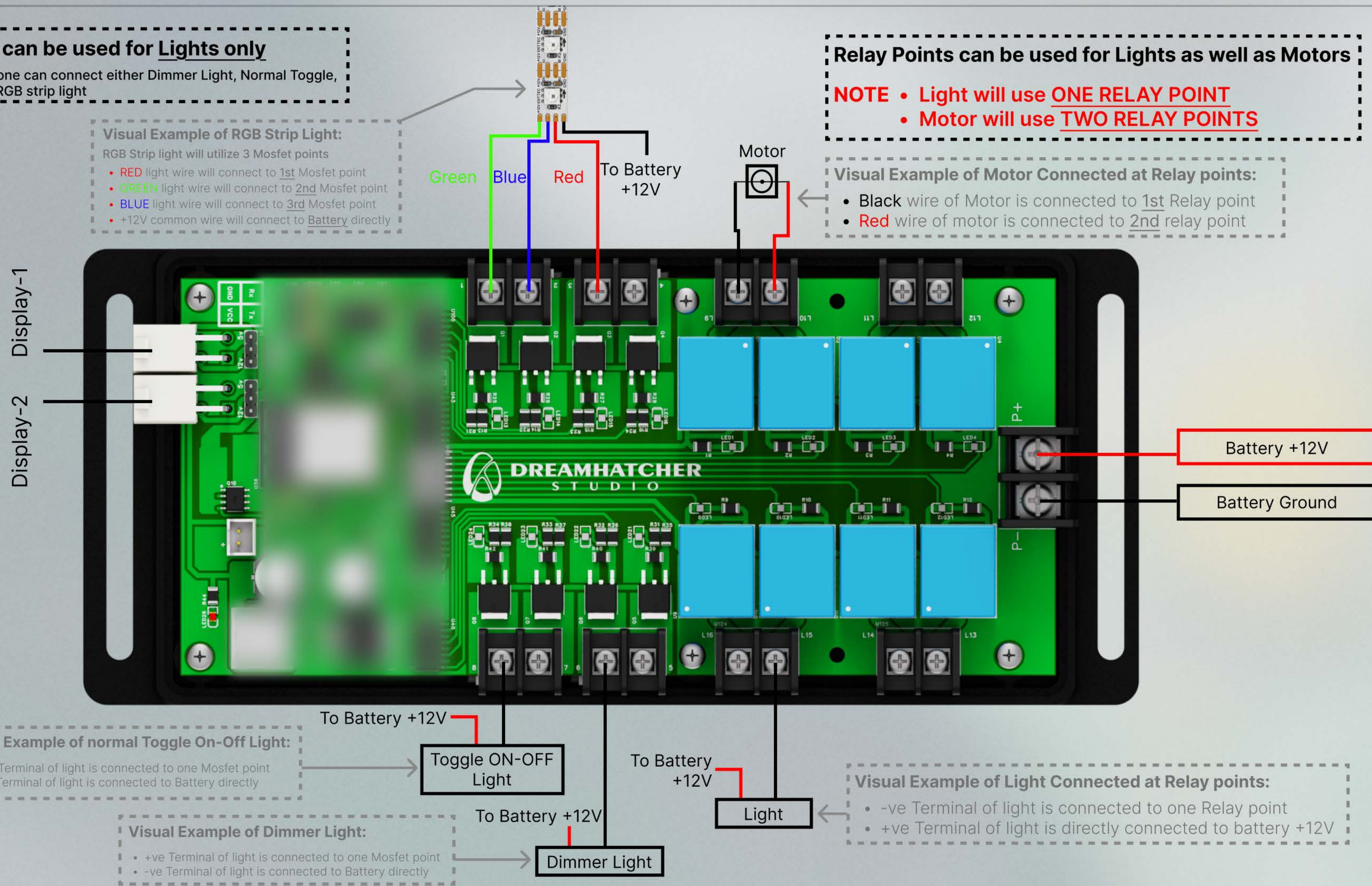
- RED light wire will connect to 1st Mosfet point
- GREEN light wire will connect to 2nd Mosfet point
- BLUE light wire will connect to 3rd Mosfet point
- +12V common wire will connect to Battery directly

Relay Points can be used for Lights as well as Motors

- NOTE**
- Light will use ONE RELAY POINT
 - Motor will use TWO RELAY POINTS

Visual Example of Motor Connected at Relay points:

- Black wire of Motor is connected to 1st Relay point
- Red wire of motor is connected to 2nd relay point



Visual Example of normal Toggle On-Off Light:

- +ve Terminal of light is connected to one Mosfet point
- -ve Terminal of light is connected to Battery directly

Visual Example of Dimmer Light:

- +ve Terminal of light is connected to one Mosfet point
- -ve Terminal of light is connected to Battery directly

Visual Example of Light Connected at Relay points:

- -ve Terminal of light is connected to one Relay point
- +ve Terminal of light is directly connected to battery +12V



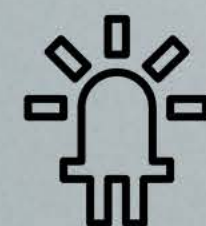
ELEGANZA MODULAR

Controller Module

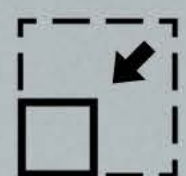
Key Features

3 Displays

Supports up to 3 Displays



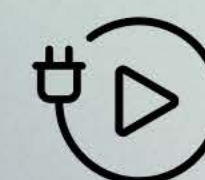
Real time monitoring of Relay status
for quick diagnostics



Compact Design optimized for
space-saving installation



Reverse voltage protection to prevent
damage from incorrect wiring



Plug & play for easy installation
and integration

Expandable

up to 128 outputs and 12 channel mosfet
(10amp relay / 15 amp mosfet)



Industrial-grade components
designed for automotive &
rugged environments



Thoughtfully designed for easy
troubleshooting and
maintenance

Mosfet Points can be used for Lights only

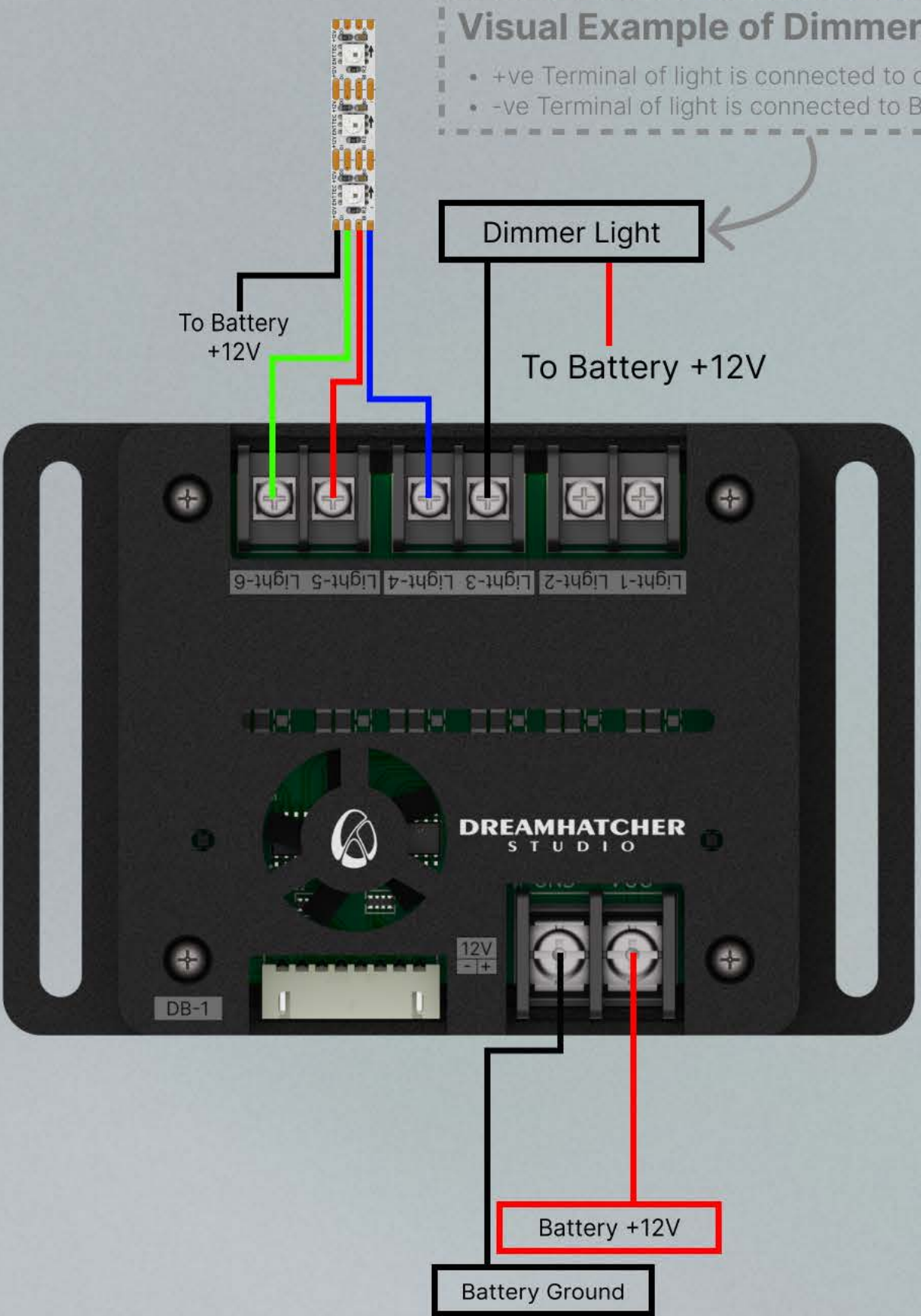
To this Mosfet point one can connect either Dimmer Light, Normal Toggle, ON-OFF light or 12v RGB strip light

Visual Example of RGB Strip Light:

- RGB Strip light will utilize 3 Mosfet points
- RED light wire will connect to 1st Mosfet point
 - GREEN light wire will connect to 2nd Mosfet point
 - BLUE light wire will connect to 3rd Mosfet point
 - +12V common wire will connect to Battery directly

Visual Example of Dimmer Light:

- +ve Terminal of light is connected to one Mosfet point
- -ve Terminal of light is connected to Battery directly

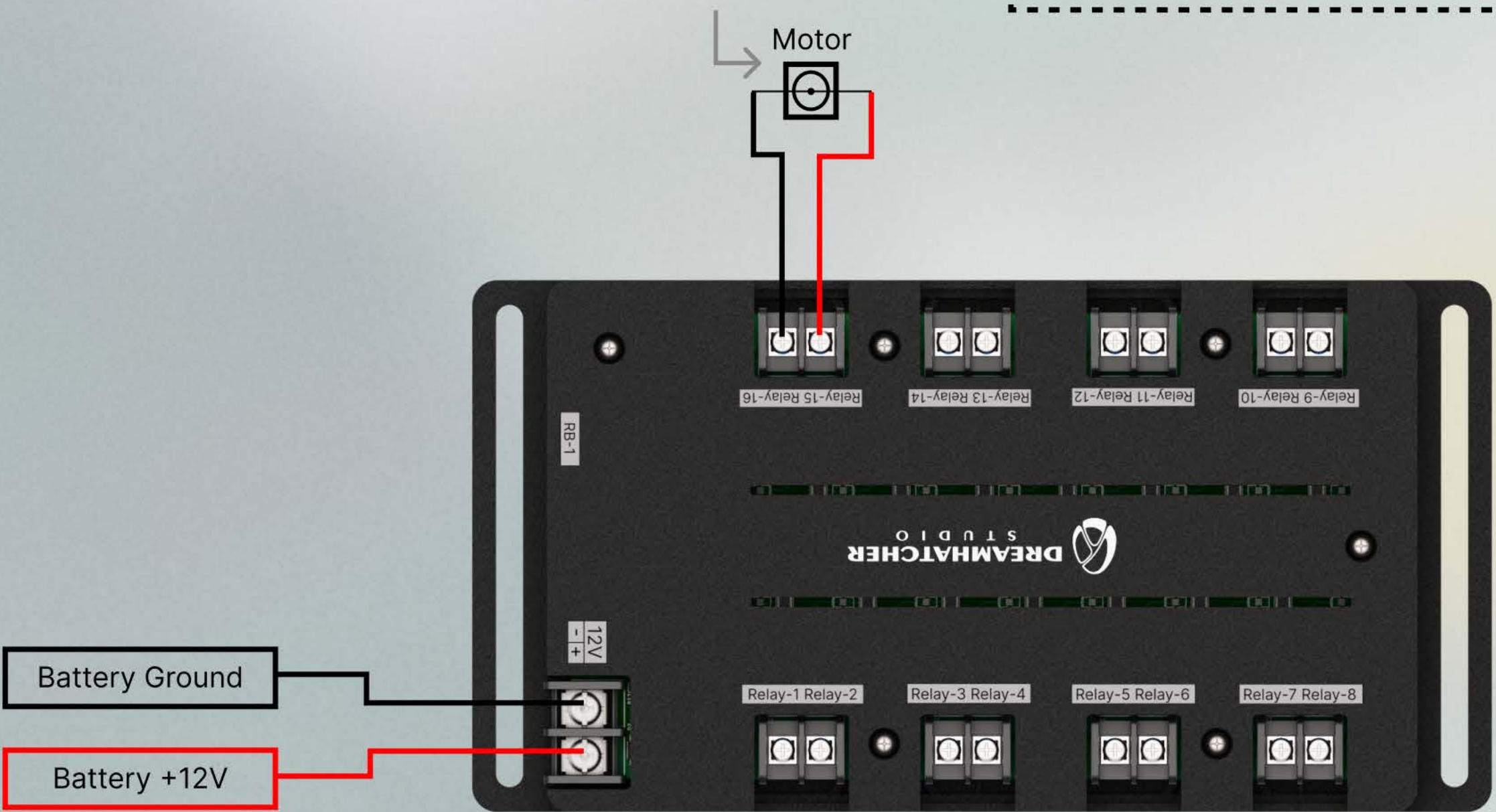


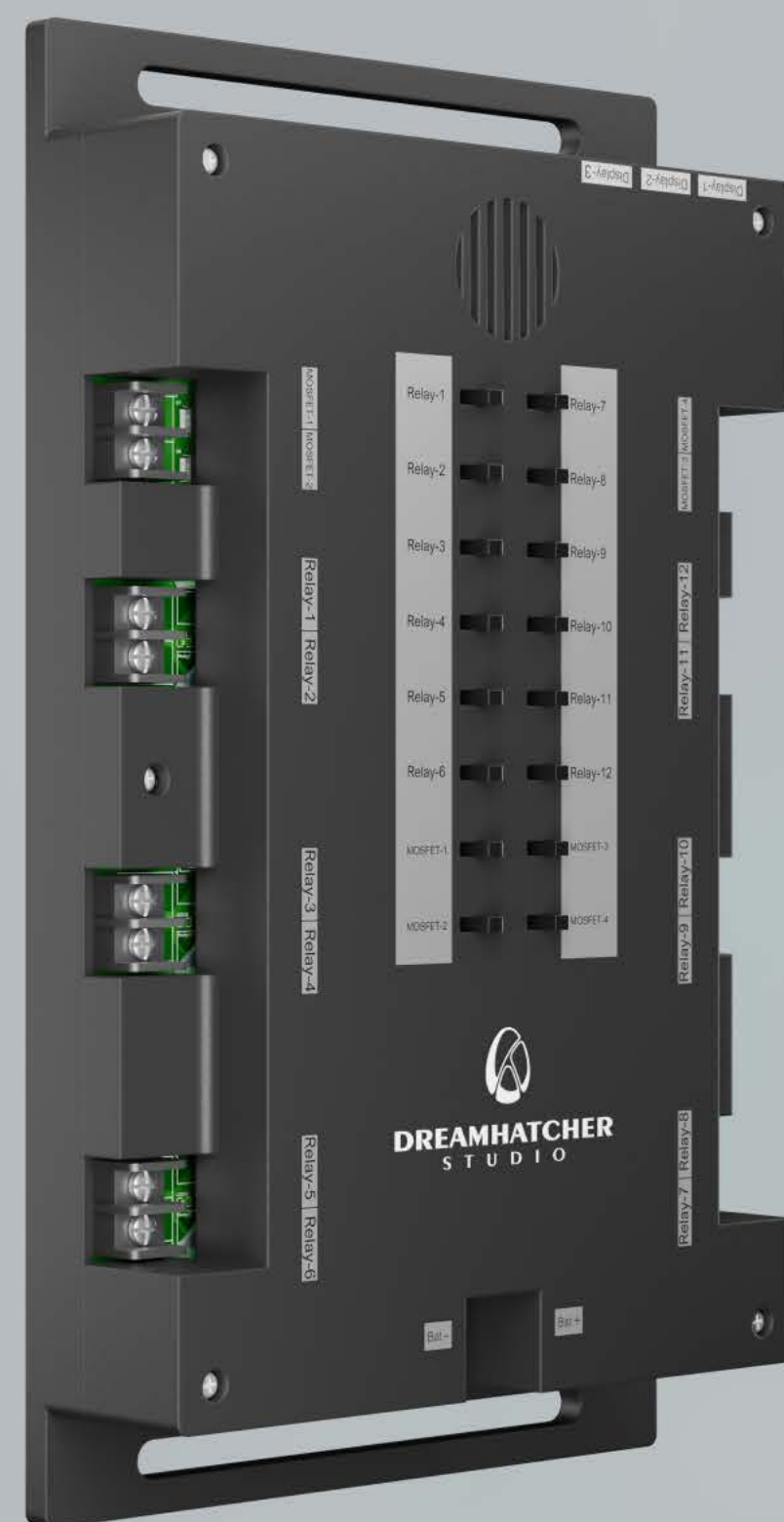
Visual Example of Motor Connected at Relay points:

- Black wire of Motor is connected to 1st Relay point
- Red wire of motor is connected to 2nd relay point

Relay Points can be used for Lights as well as Motors

- NOTE**
- Light will use ONE RELAY POINT
 - Motor will use TWO RELAY POINTS



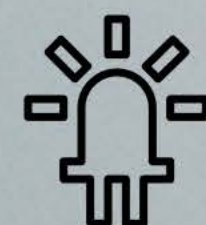


ELEGANZA PRO
Controller Module

Key Features

3 Displays

Supports up to 3 Displays



Real time monitoring of fuse and relay status for quick diagnostics



Industrial-grade components designed for automotive & rugged environments



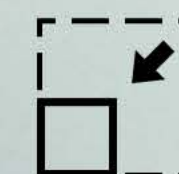
Thoughtfully designed for easy troubleshooting and maintenance

16-Channel

12 Automotive Relay Channels upto 40 A + 4 channel dimmer (15amps)



Reverse voltage protection to prevent damage from incorrect wiring



Compact Design optimized for space-saving installation



Single 12V common pin for streamlined wiring

Fuse

Replaceable fuse for each output for enhanced safety



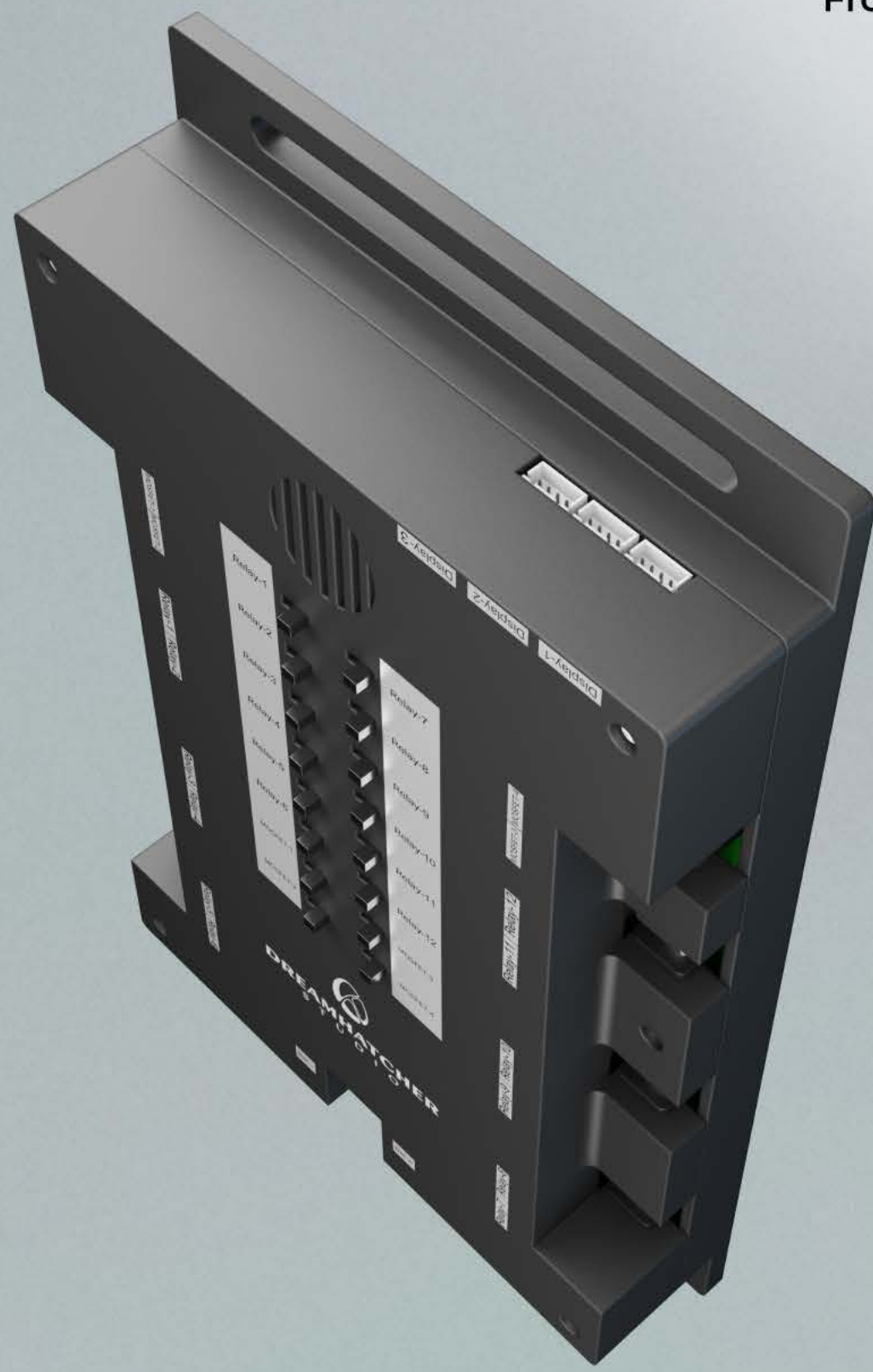
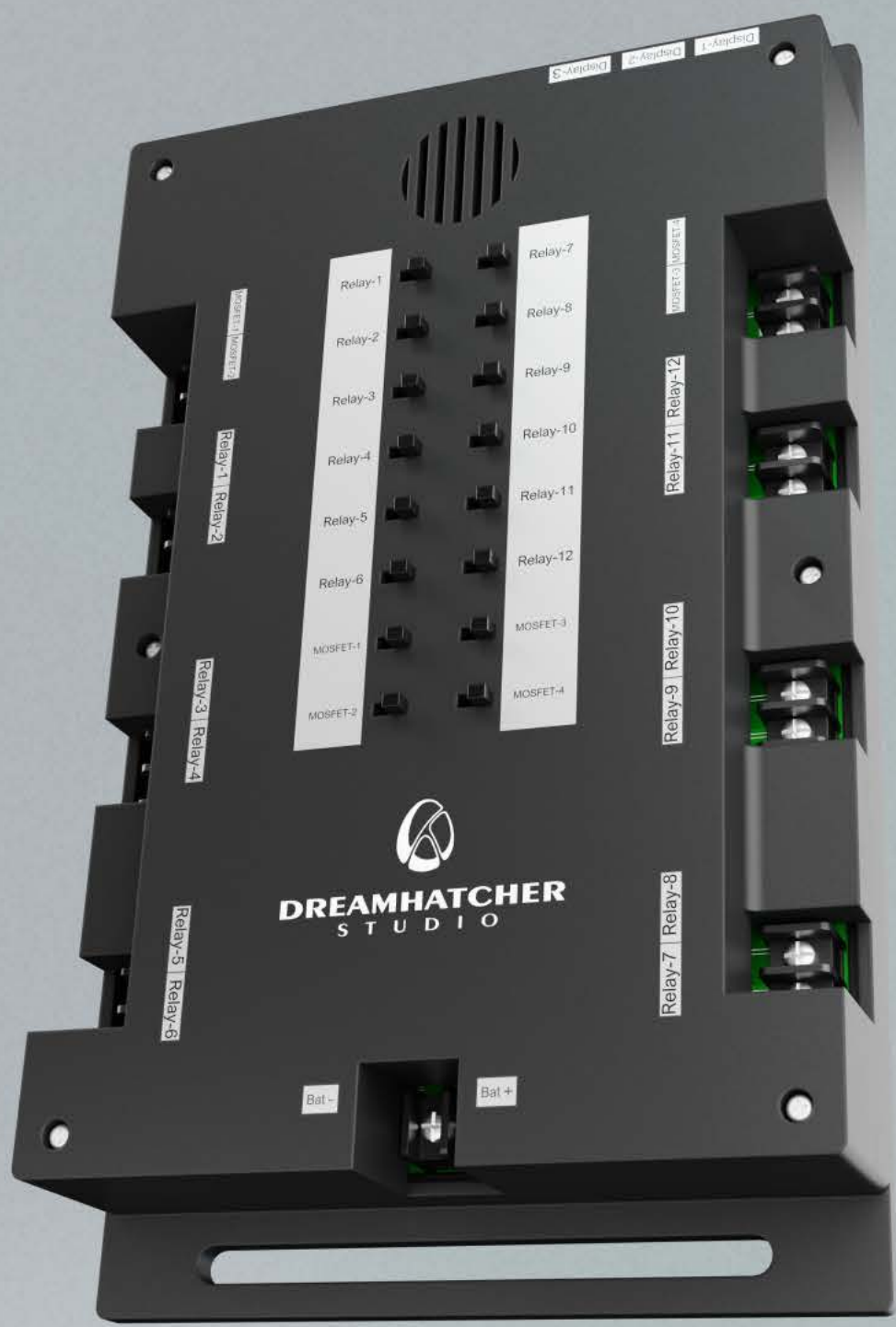
Switch backup allows operation even if the controller fails



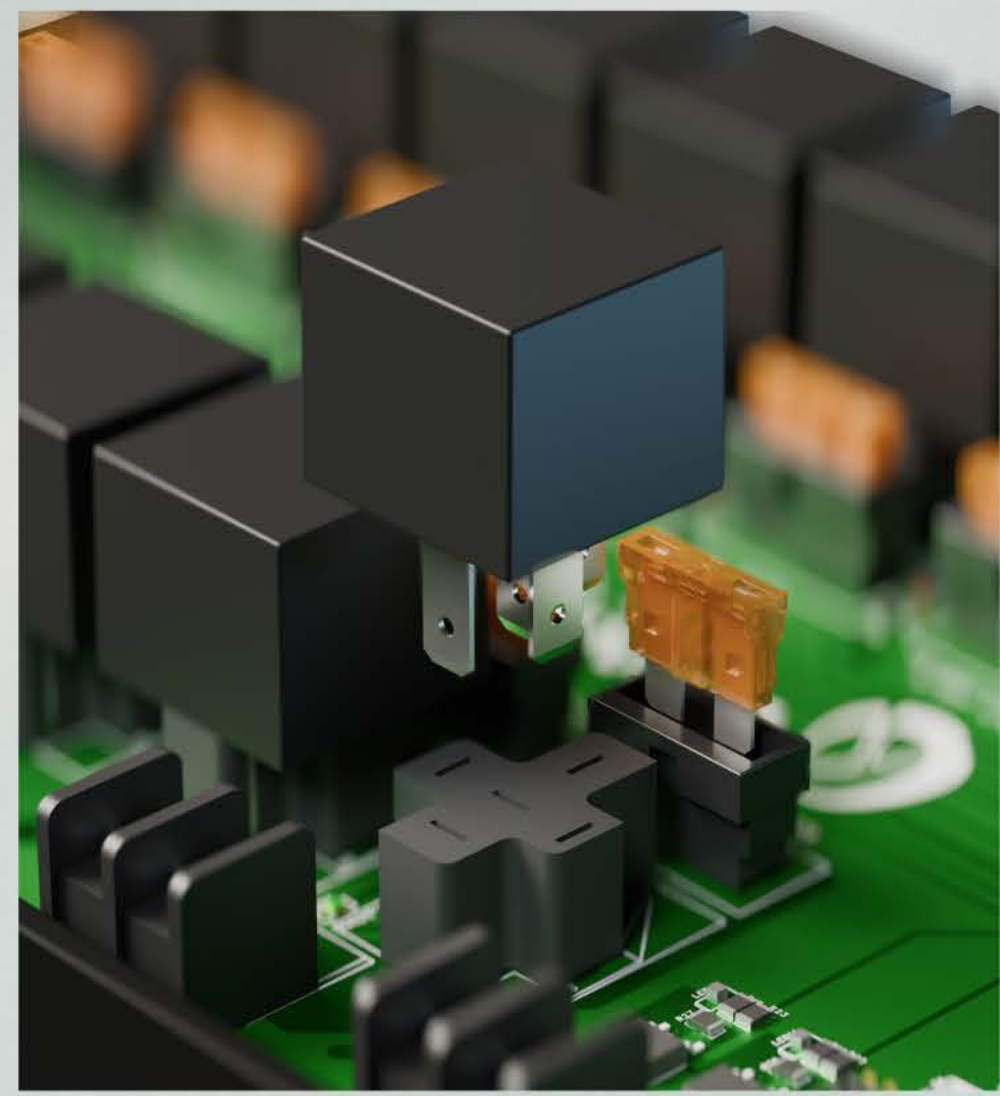
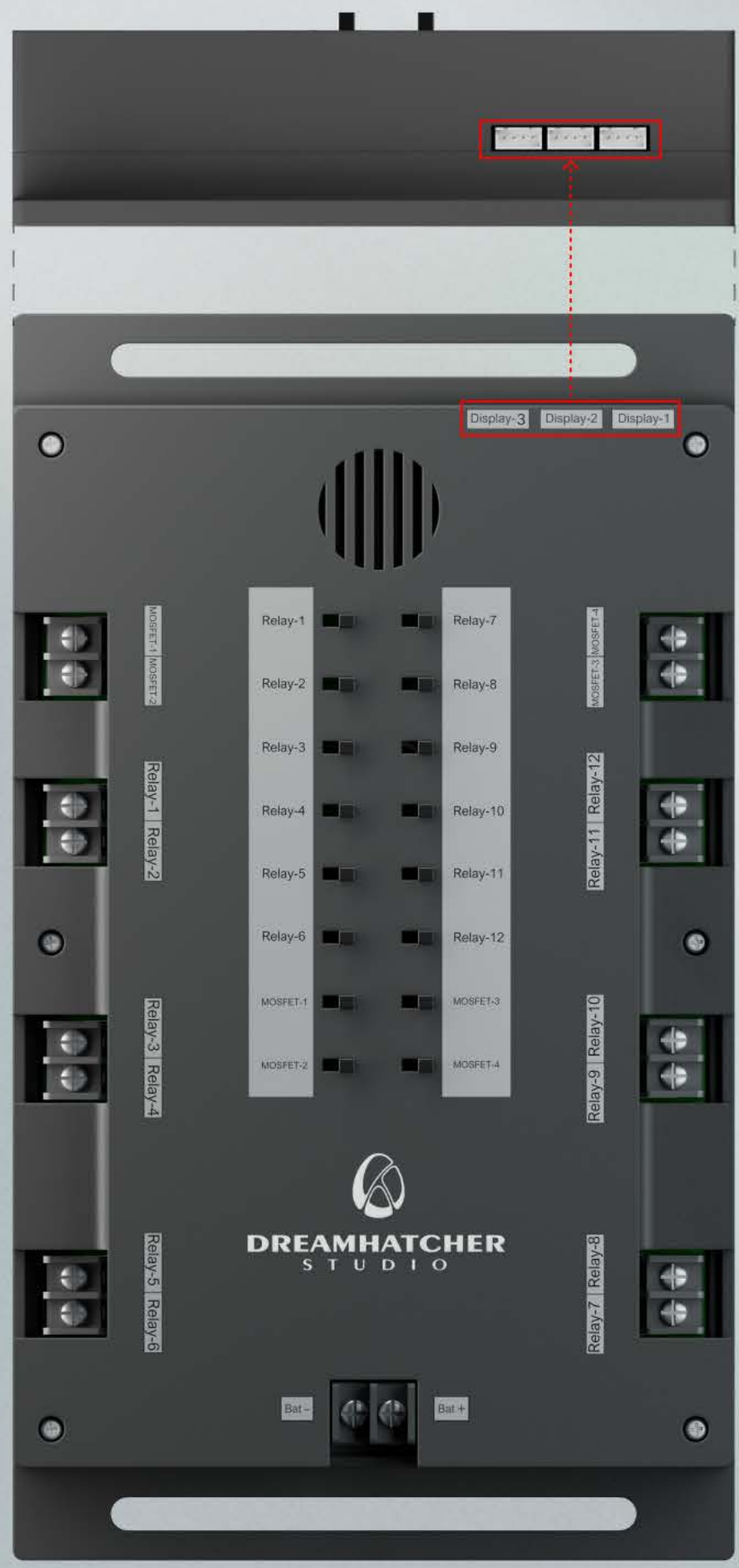
Plug & play for easy installation and integration

ELEGANZA PRO

Controller Module



Front View



Removable Automotive Grade Relay and Fuse

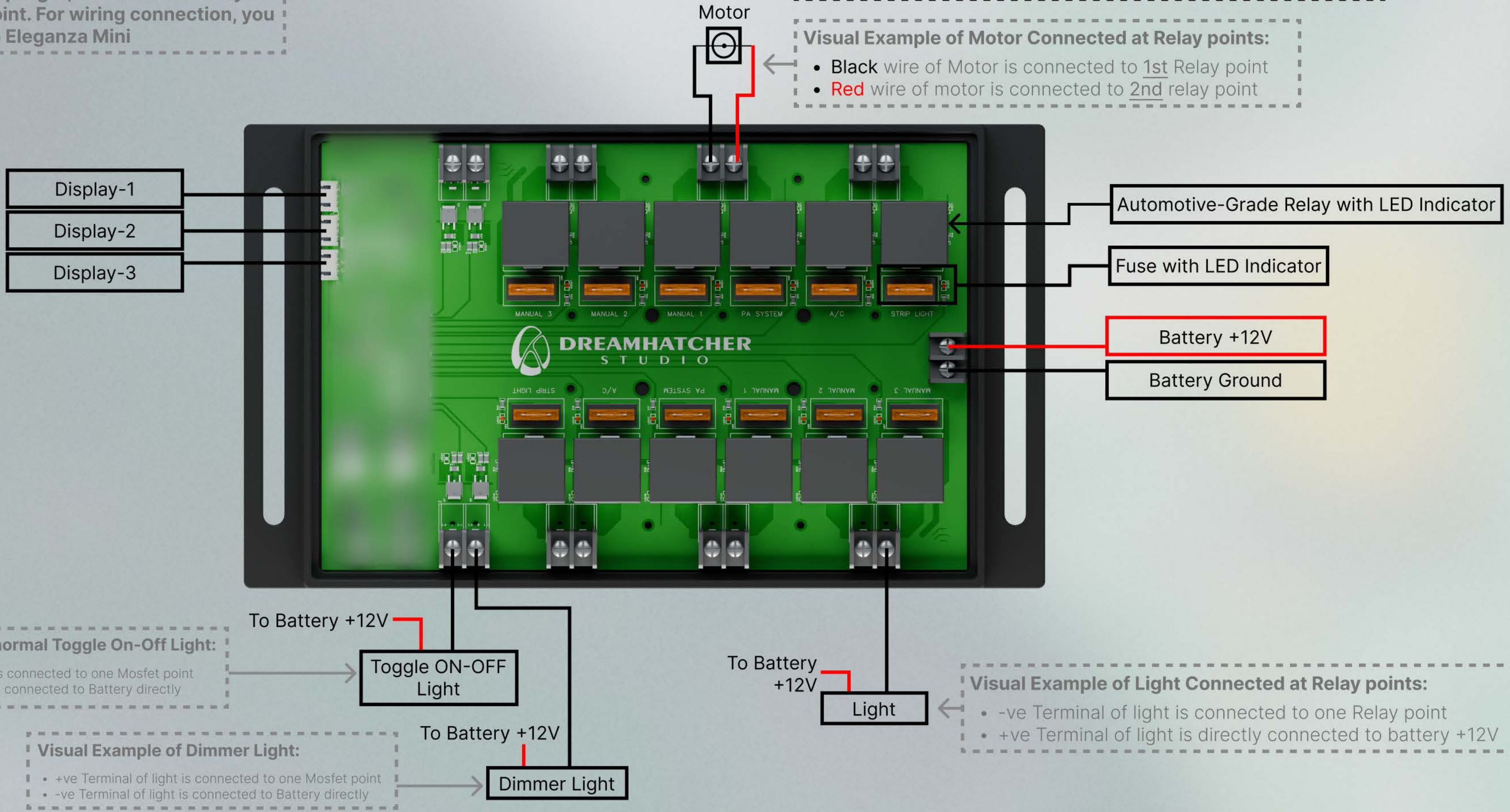
For RGB Strip Light, one can utilize any 3 MOSFET point. For wiring connection, you can refer to Eleganza Mini

Relay Points can be used for Lights as well as Motors

- NOTE**
- Light will use ONE RELAY POINT
 - Motor will use TWO RELAY POINTS

Visual Example of Motor Connected at Relay points:

- Black wire of Motor is connected to 1st Relay point
- Red wire of motor is connected to 2nd relay point

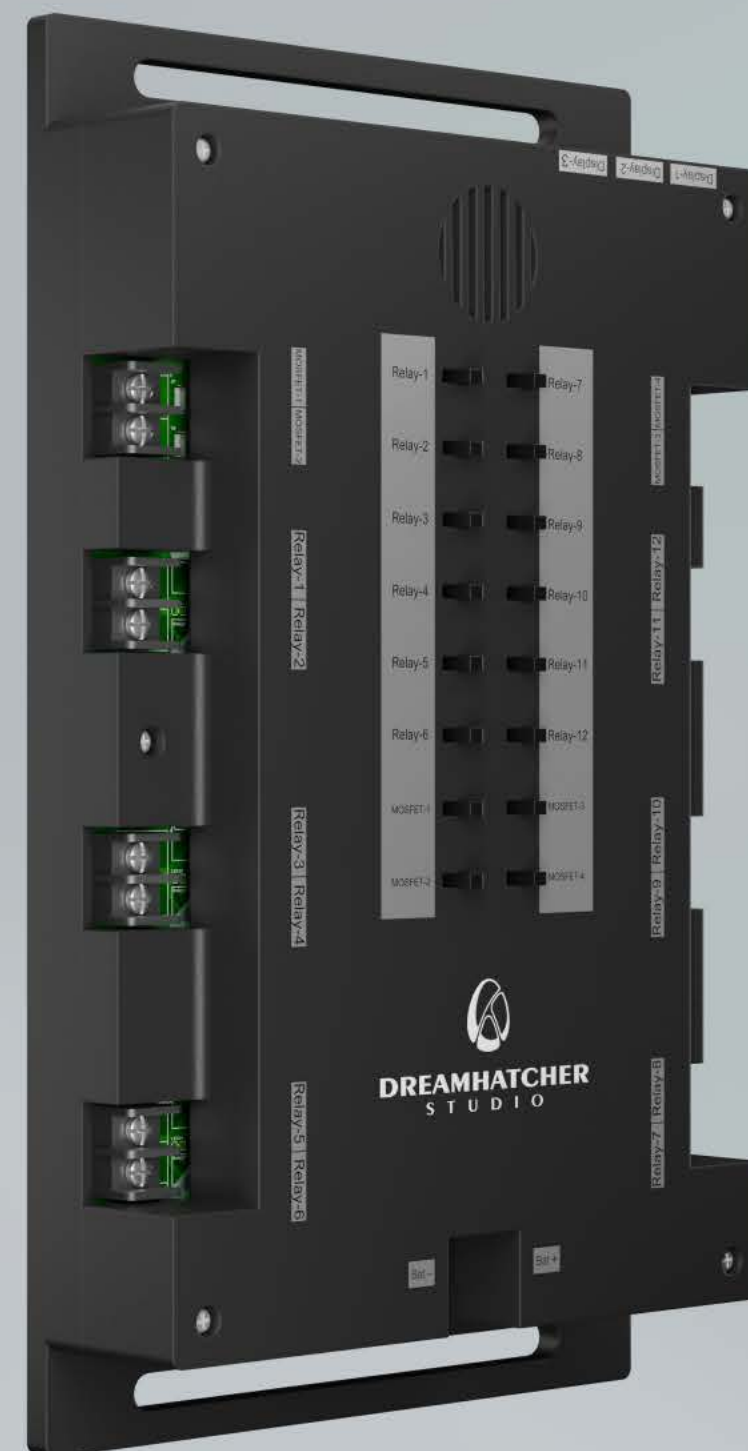


Compare Eleganza Controller Models

	Eleganza Pro	Eleganza Modular	Eleganza Mini
			
Number of Screens Supported	3	3	2
Screen Compatibility	7 inch and 4.3 inch	7 inch and 4.3 inch	7 inch and 4.3 inch
Screen Control Type Support	Toggle, Long Press, Dimmer	Toggle, Long Press, Dimmer	Toggle, Long Press, Dimmer
Customised GUI Program	✓	✓	✓
Dimension	L-335mm, W-194mm, H-52mm	Controller Box: L-155mm, W-51mm, H-25mm Relay Box: L-205mm, W-107mm, H-28mm Mosfet Controller: L-118mm, W-80mm, H-28mm	L-216mm, W-91mm, H-30mm
Input Voltage	12 V	12 V	12 V
Voltage Protection	✓	✓	✓
Relay Channels	12 Channel Automotive Relay (40 A) + 4 Channel Dimmer (15 A)	up to 128 outputs and 12 channel mosfet (10amp relay / 15 amp mosfet)	8-Channel relay (10amp) + 8 channel dimmer (15amps)
Relay Status Indicators	✓	✓	✓
Relay Type	Replaceable	Fixed	Fixed
Common Pin for Streamlined Wiring	✓	—	✓

Compare Eleganza Controller Models

	Eleganza Pro	Eleganza Modular	Eleganza Mini
Connector Type	Screw Terminal	Screw Terminal	Screw Terminal
Manual Switch Backup	✔	—	—
Replaceable Fuses	✔	—	—
Fuse Indicator	✔	—	—
Industrial Grade Components	✔	✔	✔
Product Warranty	1 year	1 year	1 year
Casing	ABS Plastic	ABS Plastic	ABS Plastic



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