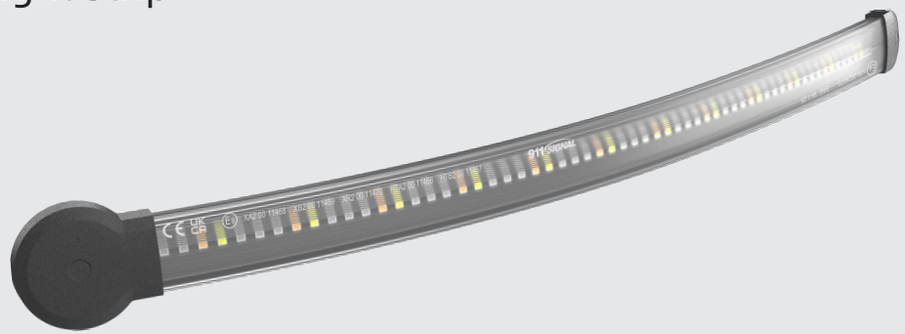
GECKO 5 SERIES

Silicone Light Strip

USER GUIDE



Use to Item:
025801, 041201, 041202, 190101

CE UKCA R148 ECE R10 ECE R65 TA2 ECE R65 TB2 ECE R65 TR2 ECE J595 SAE 108 FMVSS DOT

911Signal Technology Inc.
www.911signal.com

B085BHX10001 V1.0

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GECKO 5 SERIES - 47" & 57" Silicone Light Bars with Warning, Illumination, and Full-Length Light Bar Functions

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SAFETY PRECAUTION

The Manual provides all the necessary information for carrying out correct installation. Be sure toread this Manual thoroughly before proceeding with the installation and/or operation of the productso as to prevent serious injury ordamage.

1. Proper installation of the lightbar requires the installer to have a good knowledge of automotiveelectronics, systems and procedures. Necessary raining is required for operators to ensure safety ofemergency personnel and the public

2. Failure to use specified installation parts and/or hardware will void the product warranty.

3. Make a drilling and wiring plan before installation. Please guarantee no vehicle components orother vital parts could be damaged by the drilling process. DO NOT install this product or route anywires in the Air Bag Deployment Zone. Refer to your vehicle Owner's Manual for the location of anyair bag deployment zones.

4. The product must be proper grounded in case of any high current arching. Make sure to follow alwiring guidelines provided in the manual to ensure safety and productivity.

5. The vehicle operator should ensure daily that the product is securely fastened to the vehicle and allfeatures work correctly.

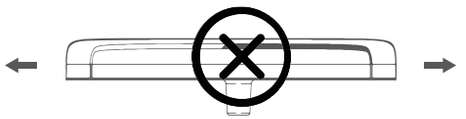
6. The use of this or any other warning device does not ensure all drivers can or will observe or react toan emergency warning signal. Never take the right-of-way for granted. lt is your responsibility to besure you can proceed safely before entering an intersection, drive against traffic, respond at a highrate ofspeed, orwalk on or around traffic lanes.

7. The equipment is intended for use by authorized personnel only. The user is responsible forunderstanding and obeying all laws regarding emergency warning devices. Therefore, the usershould check all applicable city, state, and federal laws and regulations.The manufacturer assumesno liability for any loss resulting from the use of this warning device.

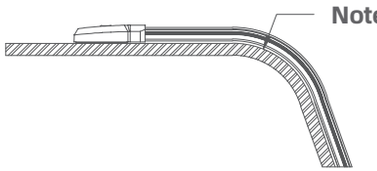
8. lt is recommended to keep this Manual on hand for future use like relocating or repairing the unit.



No Twisting



No Pulling



Note: r ≥ 100 mm

NO PULLING!
NO TWISTING!

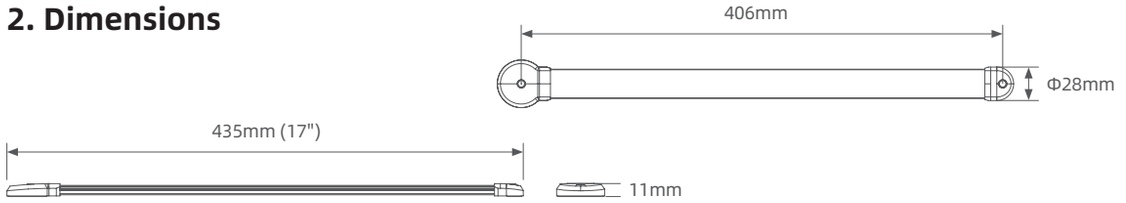
GECKO 5 SERIES

17" Silicone Warning Light

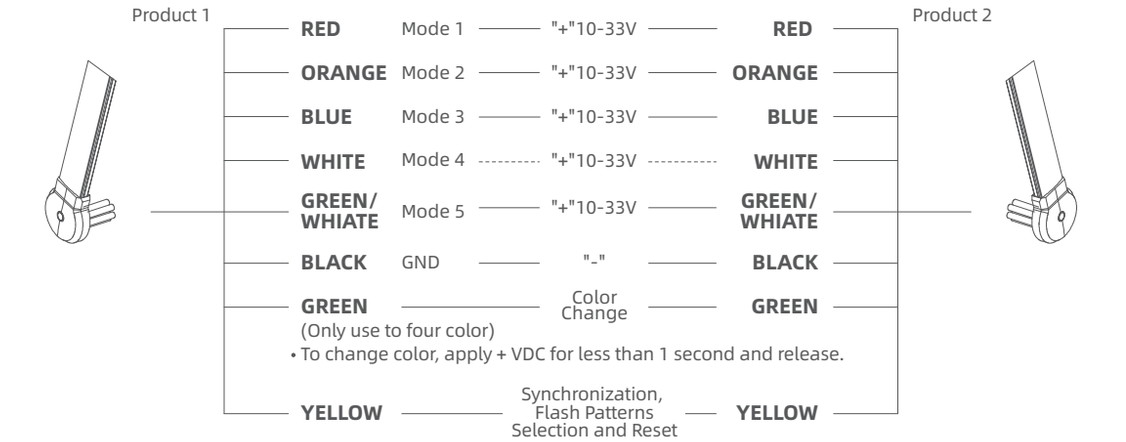
1. Specifications

Item	Max Power	Voltage	Functions	Lum	Color Temperature	Flash Patterns	IP Ratting	Operating Temperature	Length
025801	12W	DC10-33V	Warning & Working Light	700LM	5700k	14	IP67+IP69K	-30°C-+70°C	435mm

2. Dimensions



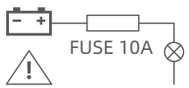
3. Wire Functions



(Only use to four color)

• To change color, apply + VDC for less than 1 second and release.

• Connect YELLOW wires of all heads together for synchronization.
• To change flash patterns, apply + VDC for less than 1 second and release.
• Flash patterns will be reset when YELLOW wires are connected to RED wire for more than 5 seconds.



A 10A fuse is required for connecting the positive terminal of the product to the battery.

Synchronous: Set the flash mode to be the same for Product 1 and Product 2.
Alternating: After setting the flash mode to be the same for Product 1 and Product 2, then select one. Set to alternating mode.
Priority: Mode 5 > Mode 4 > Mode 3 > Mode 2 > Mode 1

Connect the yellow wire to the positive terminal to set the function.

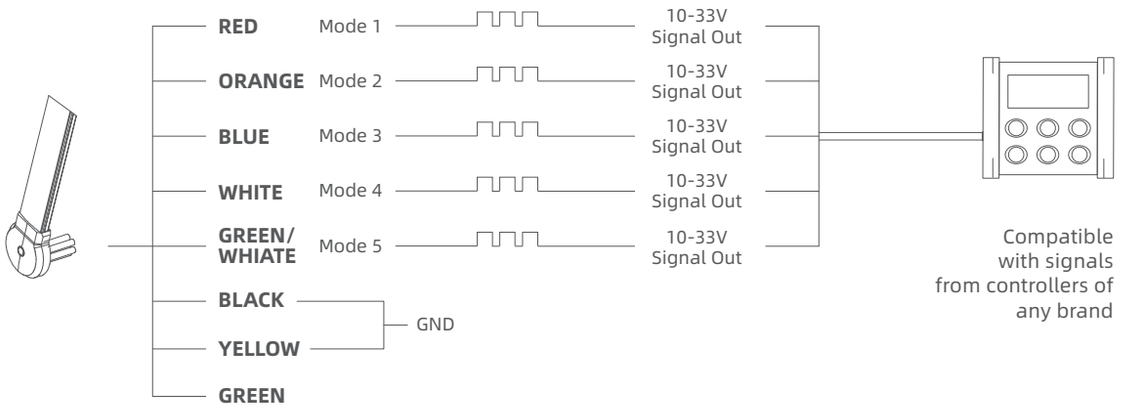
Time	1S	3S	4S	5S
Prompt	×1	×3	×4	×5
Function	Flash Control	Brightness	Alternating Flash	Selection and Reset
Order	1. Steady 2. Random 3. SAE Single 4. ECE R65 Single 5. ECE R65 Double 6. ECE R65 Triple 7. ECE R65 Quint 8. Single 9. Double 10. Quad 11. Quint 12. Ultra 13. Single-Quad 14. Single-H/L	100%		/
		60%		/
		40%	/	/

Connect the green wire to the positive terminal to set the color.

To change color, apply + VDC for less than 1 second and release.

1	R	2	B	3	A	4	W	5	G	6	RB
7	RW	8	RA	9	RG	10	BW	11	BA	12	AG
13	AW	14	RBW	15	RAW	16	RBA	17	BAW	18	AWG
19	RBAW	20	RBGW	21	BAGW						

R: Red B: Blue A: Amber W: White G:Green



Priority: Mode 5 > Mode 4 > Mode 3 > Mode 2 > Mode 1

4. Flash Patterns

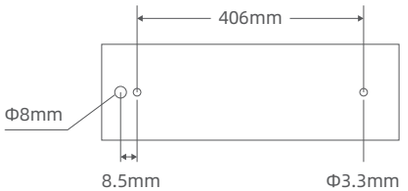
1	Steady	2	Random	3	SAE Single	4	ECE R65 Single
5	ECE R65 Double	6	ECE R65 Triple	7	ECE R65 Quint	8	Single
9	Double	10	Quad	11	Quint	12	Ultra
13	Single-Quad	14	Single-H/L				

5. Installation

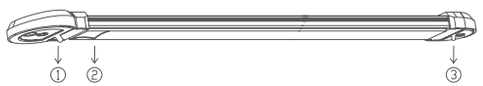
STEP 1: Hole distance: 406mm



STEP 2: Drilling holes in the mounting surface.



STEP 3: Peel off the protective film from the 3M adhesive tape.

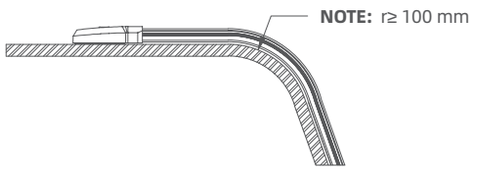


STEP 4: Attach the product to the desired position and secure both ends with screws.



STEP 5: Insert the silicone end caps into the screw holes.





GECKO 5 SERIES

47" & 57" Silicone Light Bars
with Warning, Illumination,
and Full-Length Light Bar Functions

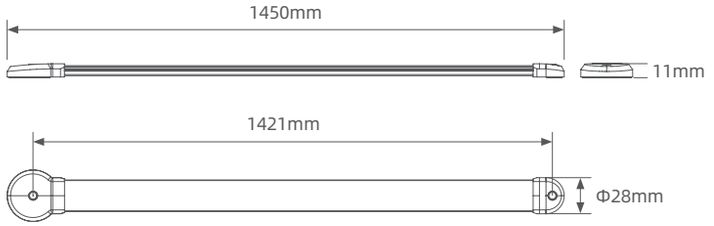
1. Specifications

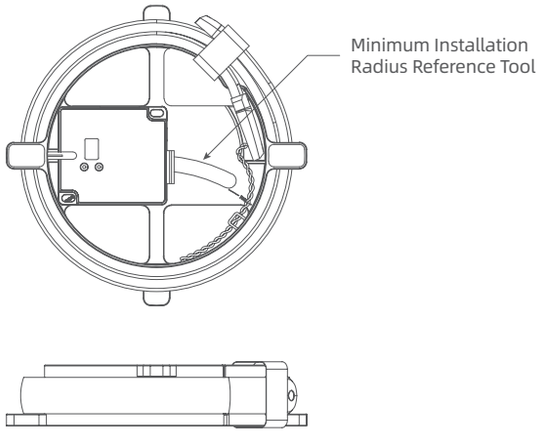
Item	Max Power	Mode	Voltage	Functions	Lum	Color Temperature	Flash Patterns	IP Ratting	Operating Temperature	Length
041201	36W	Gecko 5-47"	DC10-33V	Warning & Working Light	2000LM	5700k	20	IP67+IP69K	-30℃-+70℃	1193mm
041202										1450mm

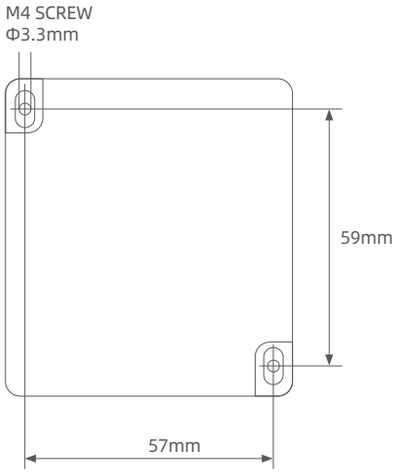
47"



57"



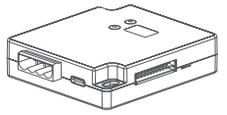




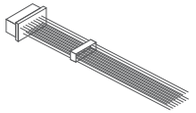
2. Accessories



Light Strip*1 (041201/041202)



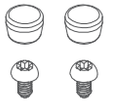
Control Box*1 (190101)



24-Pin Functional Wire Harness*1



Packaging Bracket for Light Bar*1



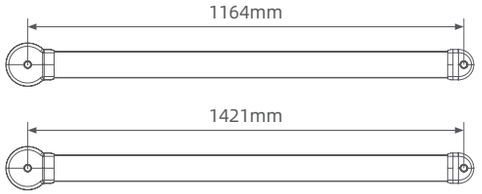
Accessory Kit*1
(M4×8 Screws × 2, Silicone Caps × 2)



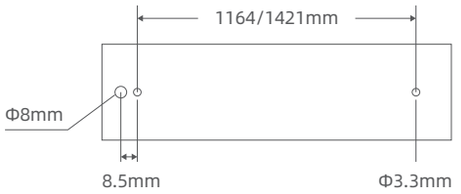
USB*1 (Sold Separately)

3. Installation

STEP 1: Hole distance: 47"(1164mm), 57"(1421mm)



STEP 2: Drilling holes in the mounting surface.



STEP 3: Peel off the protective film from the 3M adhesive tape.

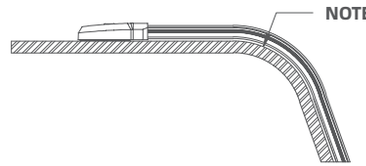


STEP 4: Attach the product to the desired position and secure both ends with screws.



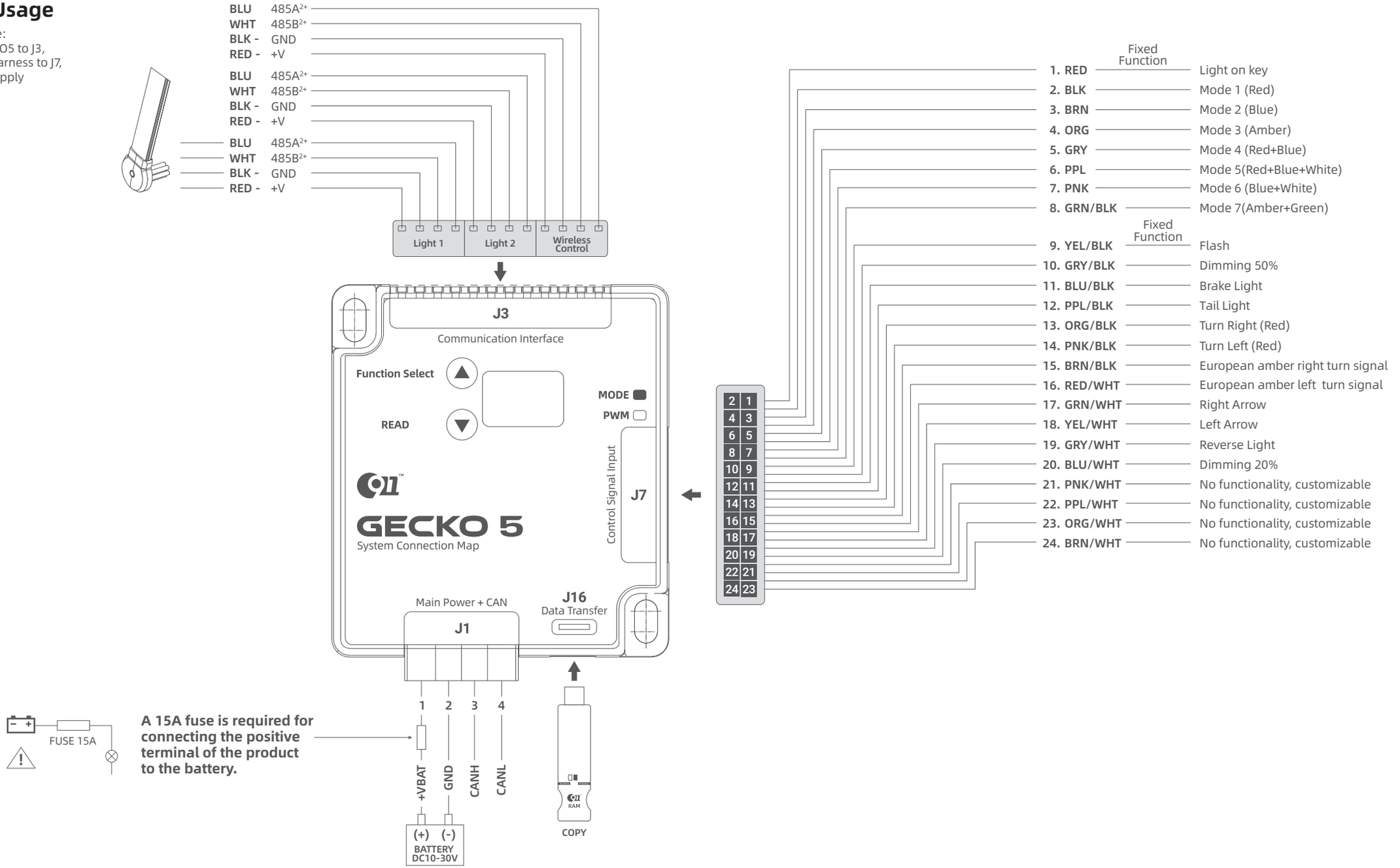
STEP 5: Insert the silicone end caps into the screw holes.





4. MODE Usage

Refer to the figure:
connect the GECKO5 to J3,
the 24-pin wire harness to J7,
and the power supply
(DC 10-33V) to J1.



A. Default program settings

STEP 1: Move the slider up to the MODE position.



*To switch to MODE, turn off the power completely, then reconnect the power before configuring the settings.

STEP 2: Operate the GECKO 5 through the 24-pin function wire.
The red wire serves as the ignition (key) switch and must remain connected to the positive terminal at all times.

STEP 3: Flash Patterns, Synchronization, Alternation & Brightness Settings (Apply yellow black wire to positive pole)

Time	1S	2S	3S	4S	5S
Display	1-20	Lr--AL	00-20-40-60-80	'.'	00
Function	Flash Control		Brightness		Rest
Order	1. Steady 2. Random 3. Single_SAE 4. Single_R65 5. Double_R65 6. Triple_R65 7. Quint_R65 8. Single_60 9. Single_75 10. Single_90 11. Single_300 12. Double_75 13. Double_150 14. Triple_75 15. Quad_75 16. Quint_75 17. Ultra_75 18. Quad_Single_75 19. Single_H_L 20. Single60_Triple75	Left/Right	100%		
		All	80%		
			60%		
			40%		
			20%		

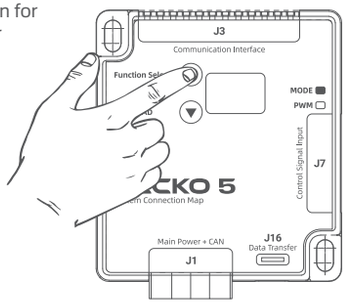
Flash Patterns

1	Steady	2	Random	3	Single_SAE	4	Single_R65
5	Double_R65	6	Triple_R65	7	Quint_R65	8	Single_60
9	Single_75	10	Single_90	11	Single_300	12	Double_75
13	Double_150	14	Triple_75	15	Quad_75	16	Quint_75
17	Ultra_75	18	Quad_Single_75	19	Single_H_L	20	Single60_Triple75

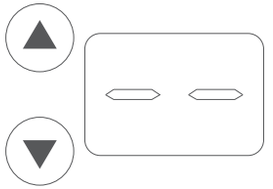
4. MODE Usage

B. Custom Mode

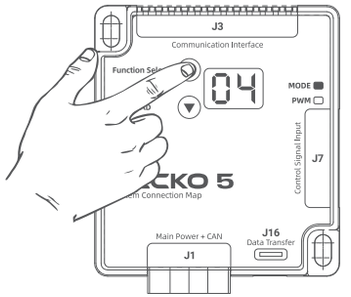
① In low-power mode, hold the '▲' button for 3 seconds to enter custom mode.



② The screen shows '--', connect the function wire to the power supply's positive terminal for redefinition.

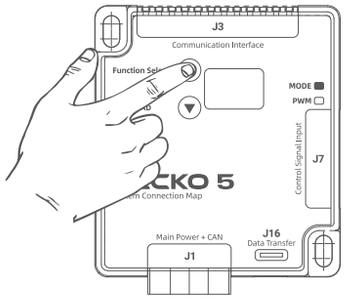


③ Display shows the function number.
Use the '▲' button to increment and the '▼' button to decrement the number



④ To customize other function wires, repeat steps ② and ③.

⑤ Hold the '▲' button for 3 seconds to exit custom mode.

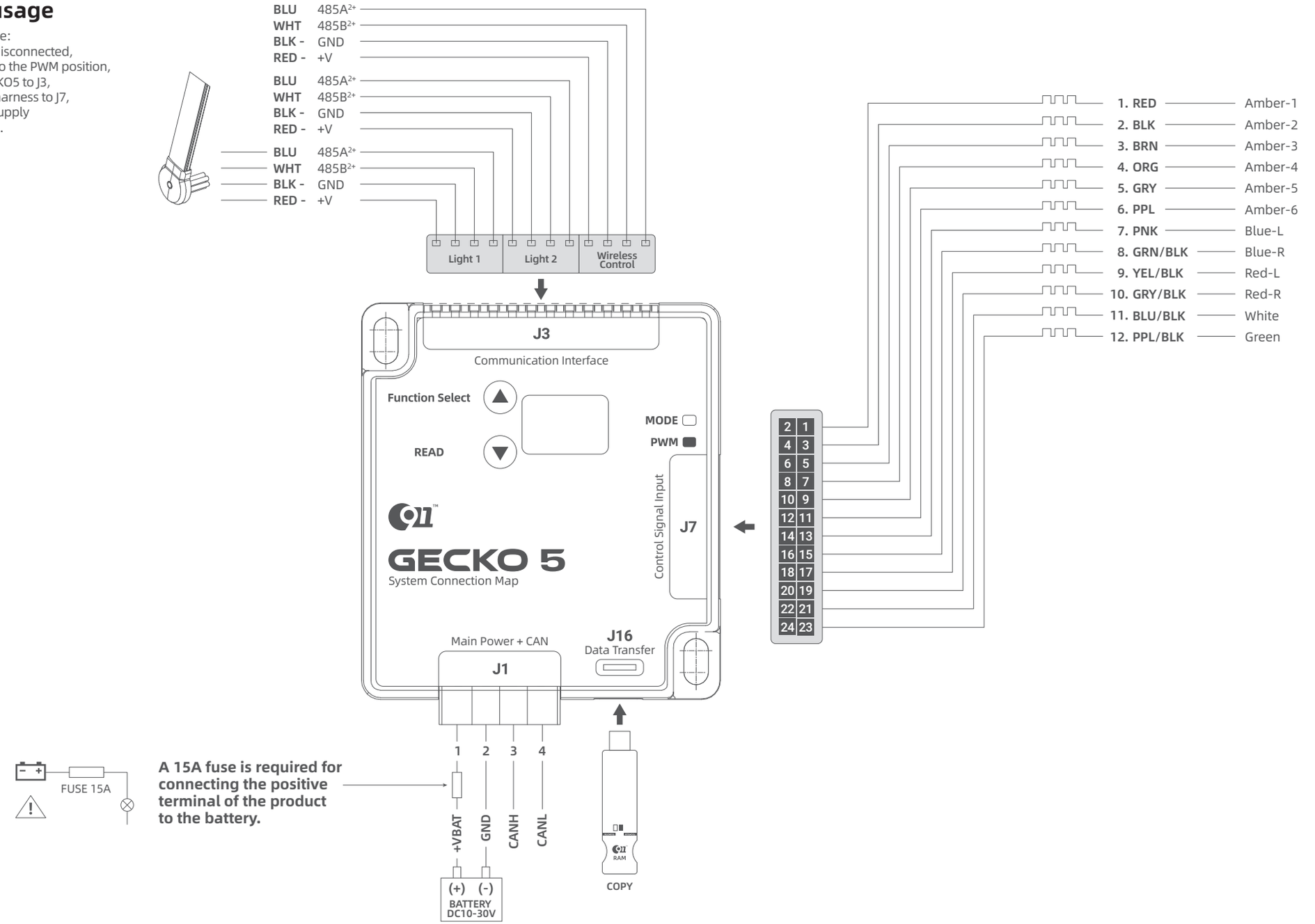


RED and YEL/BLK wires: Fixed function, not customizable.

NO.	FUNCTION	NO.	FUNCTION	NO.	FUNCTION	NO.	FUNCTION
1	LED 1 [Red]	2	LED 2 [Blue]	3	LED 3 [Amber]	4	LED 4 [Red+Bule]
5	LED 5 [Red+Blue+White]	6	LED 6 [Blue+White]	7	LED 7 [Amber+Green]	8	LED 8 [Green]
9	LED 9 [Blue+Amber]	10	IgnitionKey	11	Flash	12	Dimming 50%
13	Constant White Light	14	Tail Light	15	Right Turn [Red]	16	Left Turn [Red]
17	Right Arrow	18	Left Arrow	19	Brake Light	20	Turn Right [Amber]
21	Turn Left [Amber]	22	Dimming 20%	23	Right Arrow - Fast	24	Left Arrow - Fast

5. PWM usage

Refer to the figure:
with the power disconnected,
slide the switch to the PWM position,
connect the GECKO5 to J3,
the 24-pin wire harness to J7,
and the power supply
(DC 10-33V) to J1.



STEP 1: Move the slider down to the PWM position.



*To switch to PWM, turn off the power completely, then reconnect the power before configuring the settings.

STEP 2: Operate the GECKO 5 through the 24-pin function wire.
The red wire serves as the ignition (key) switch and must remain connected to the positive terminal at all times.

Wiring Color Indication for Amber Light Zone



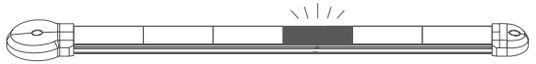
Amber 1 - RED WIRE



Amber 2 - BLACK WIRE



Amber 3 - BROWN WIRE



Amber 4 - ORANGE WIRE



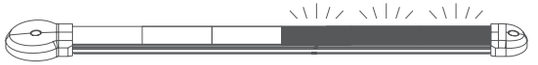
Amber 5 - GRAY WIRE



Amber 6 - PERPO WIRE



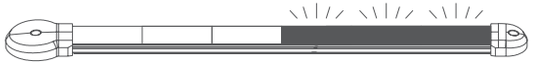
BULE-L - PINK WIRE



BULE-R - GREEN/BLACK WIRE



RED-L - YELLOW/BLACK WIRE



RED-R - GREY/BLACK WIRE



WHITE - BLUE/BLACK WIRE



GREEN - PURPLE/BLACK WIRE

6. Data Storage and Read/Write

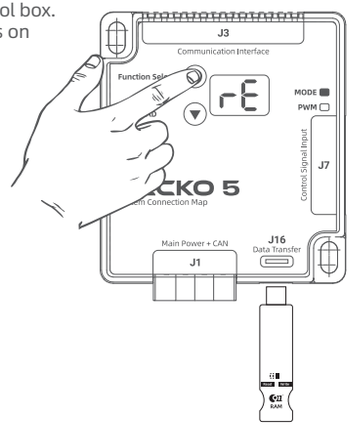
Preset functions can be quickly applied to multiple products via a Type-C USB drive.

A. Read preset functions from the Type-C USB drive.

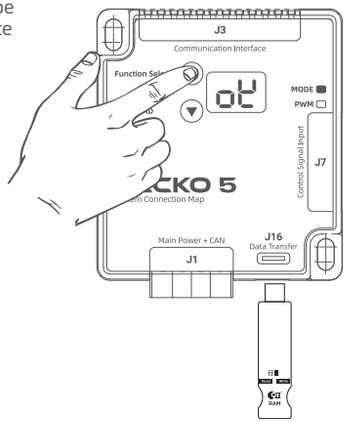
Move the Type-C USB drive switch to the "Read" position.

***The Type-C USB drive is sold separately.**

Insert the Type-C USB drive into the control box. When "RE" appears on the digital display.



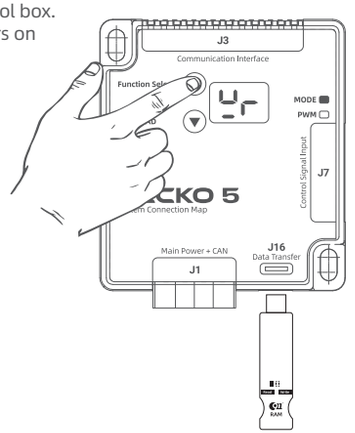
Hold the button for 2-3 seconds. "OK" will be displayed to indicate a successful read.



B. Save the configured functions to the Type-C USB drive.

Move the Type-C USB drive switch to the "Write" position.

Insert the Type-C USB drive into the control box. When "WR" appears on the digital display.



Hold the button for 2-3 seconds. "OK" will be displayed to indicate a successful read.

