LURKER PRO+

Roof Rack Mounted LED Lightbar

USER GUIDE



Use to Item:
016401TAW, 016402TAW

R10 ECE | R65 TA2 ECE | R65 TB2 ECE

www.vasa-shop.com

VASA SAS

SAFETY PRECAUTION

The Manual provides all the necessary information for carrying out correct installation. Be sure to read this Manual thoroughly before proceeding with the installation and/or operation of the product so as to

prevent serious injury or damage.

1. Proper installation of the light bar requires the installer to have a good knowledge of automotive electronics, systems and procedures. Necessary training is required for operators to ensure safety of emergency 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 or other vital parts could be damaged by the drilling process. DO NOT install this product or route any wires in the Air Bag Deployment Zone. Refer to your vehicle Owner's Manual for the location of any air bag deployment zones.

4. The product must be properly grounded in case of any high current arcing. Make sure to follow all wiring 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 all features work correctly.

6. The use of this or any other warning device does not ensure all drivers can or will observe or react to an emergency warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can

7. The equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding emergency warning devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. Vasa Shop assumes no liability for any loss resulting from the use of this warning device.

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

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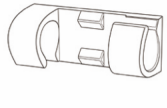
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1. STANDARD ACCESSORIES



LURKER PRO+*1

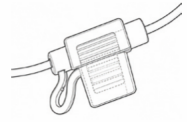
Sealing Rubber Strip*1



Cable Clip 48"*3 58"*4

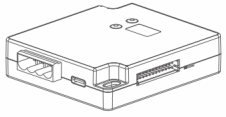


5m Power Cord*1

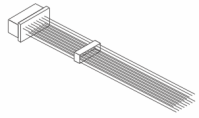


Fuse*1

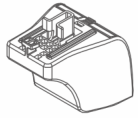
Optional Accessories



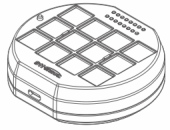
Control Box*1



24-Pin Functional Wire Harness*1

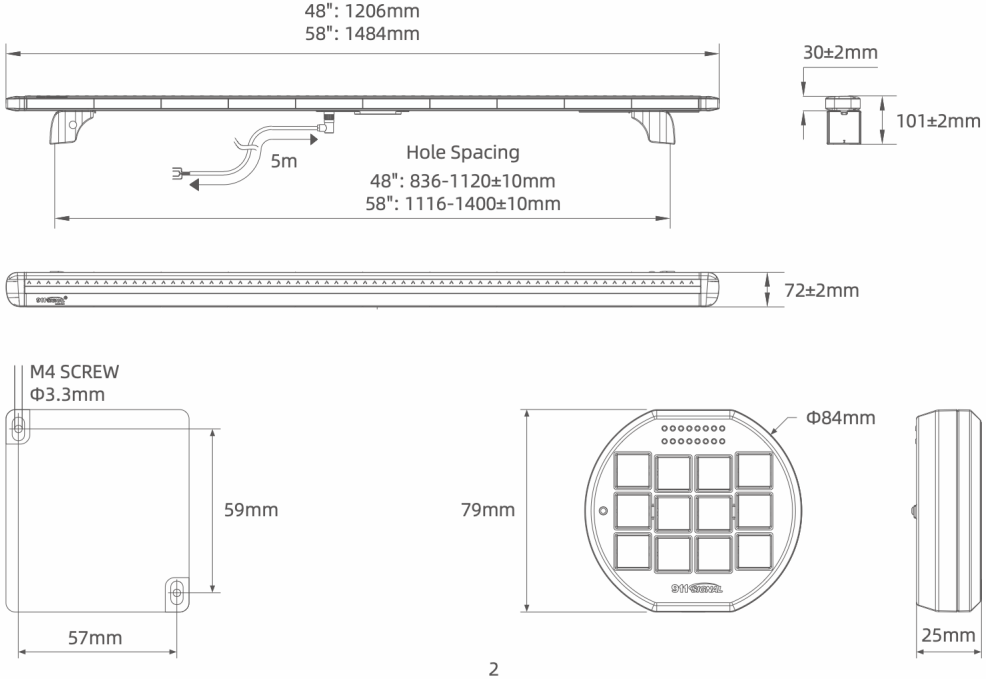


Bracket*2



2.4G Controller

2. DIMENSIONS

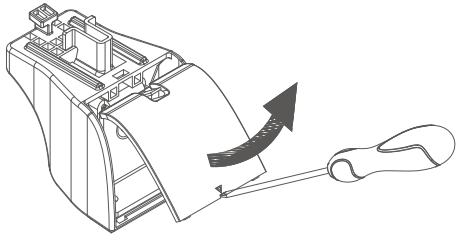


3. SPECIFICATIONS

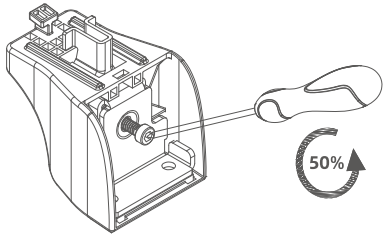
Item	016401TAW	016402TAW
Max Power	180W	220W
Max Current	12V:15A / 24V:7.5A	12V:18A / 24V:9A
Mode	LURKER Pro+ 48"	LURKER Pro+ 58"
Voltage	DC10-33V	
Lens	LIN	
Plash Patterns	22	
IP Rating	IP68+IP69K	
Operating Temperature	-30°C-+70°C	
Mounting	Tripod Mounting	
Length	1206mm	1484mm

4. INSTALLATION

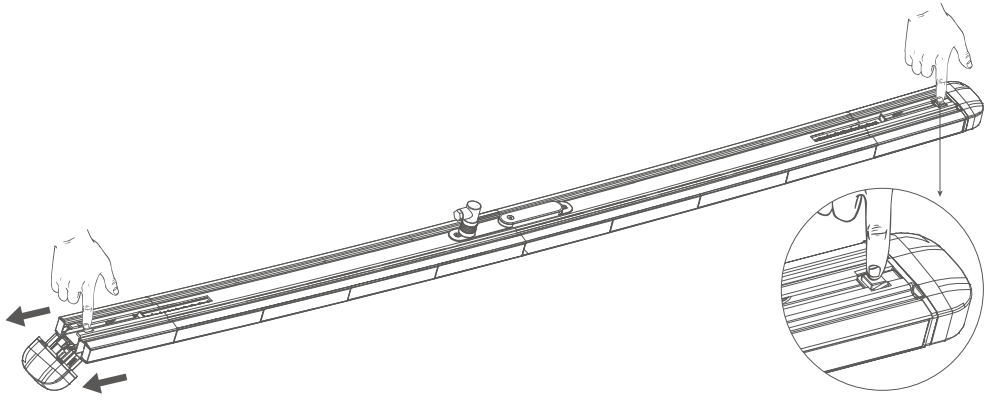
STEP 1 Open the tripod rear cover with tool.



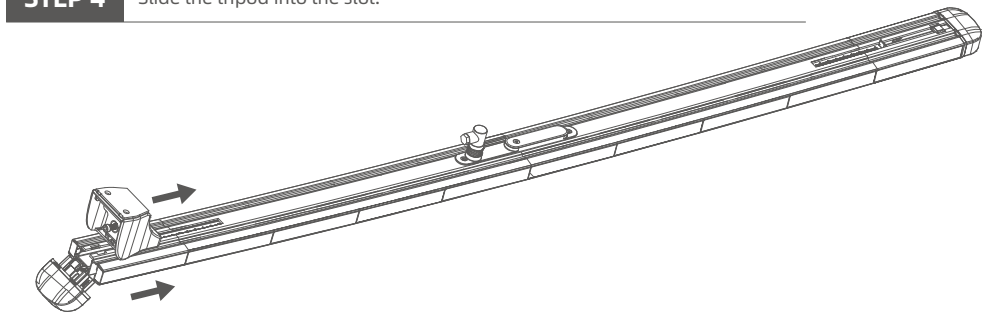
STEP 2 Loosen the screws (do not remove them completely)



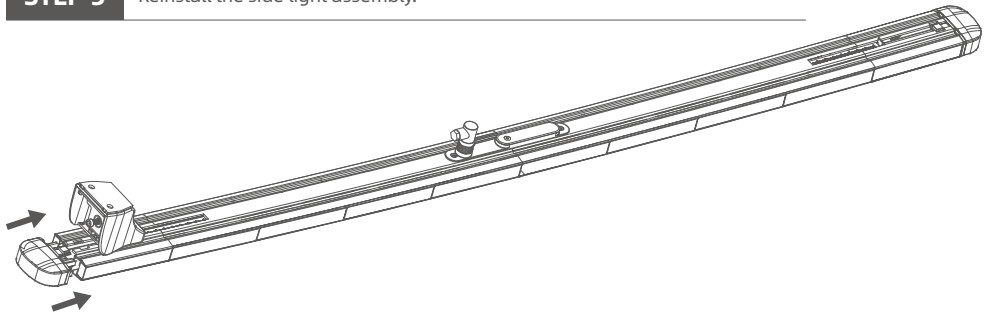
STEP 3 Press and pull out the side light assembly



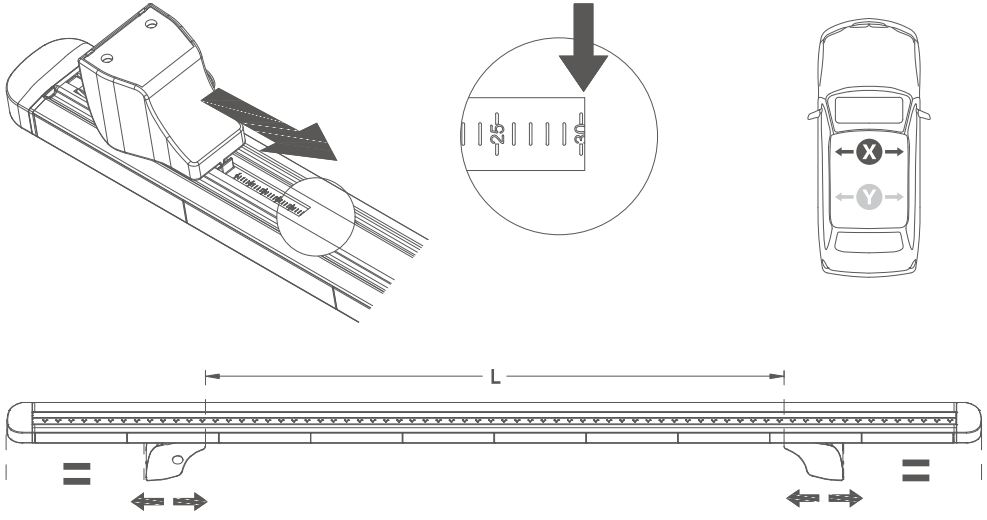
STEP 4 Slide the tripod into the slot.



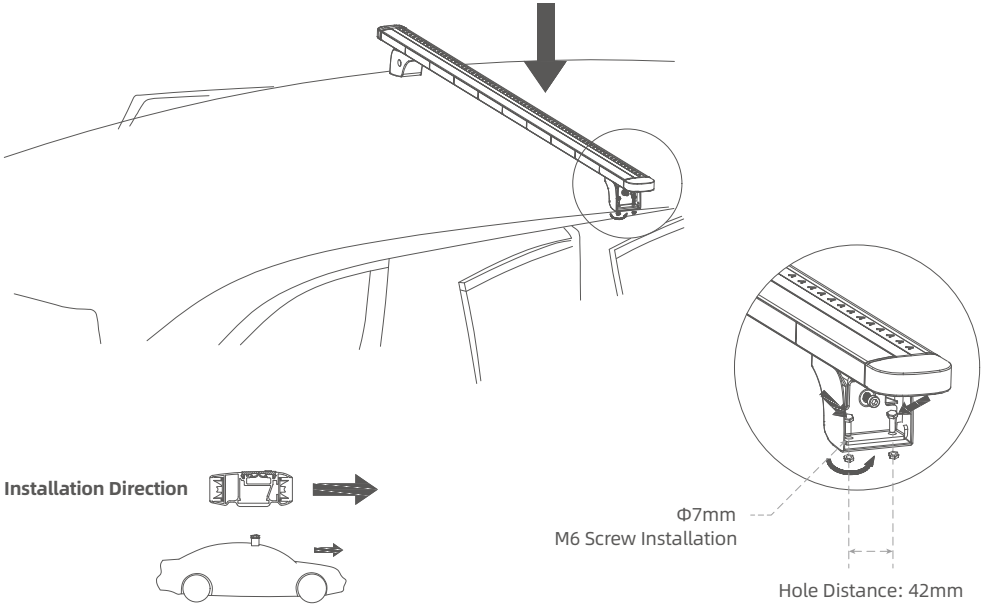
STEP 5 Reinstall the side light assembly.



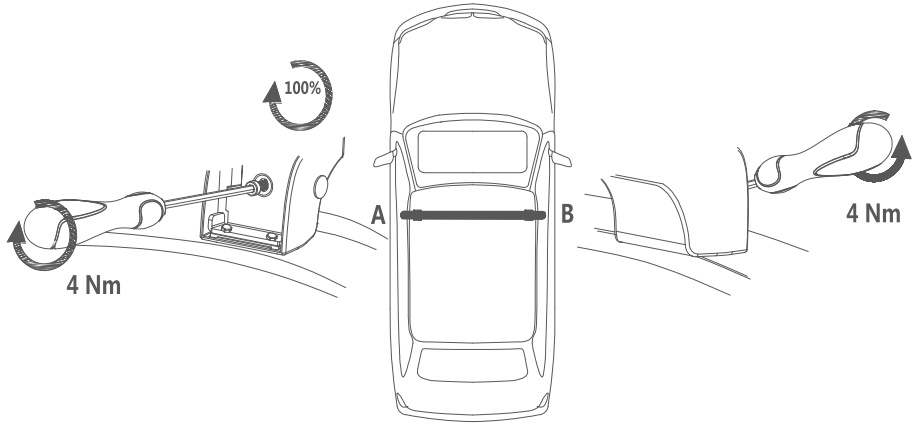
STEP 6 Adjust the scale to the required position according to the mounting hole spacing.
The tripods shall be symmetrical on both sides.



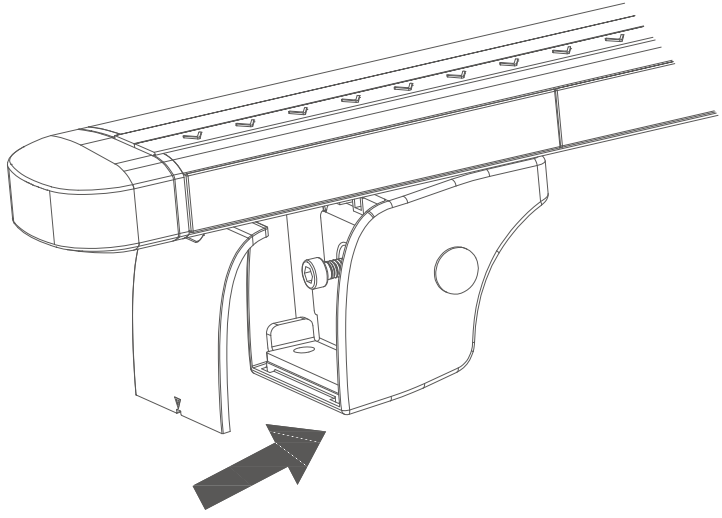
STEP 7 Secure the LURKER PRO+ to the roof.



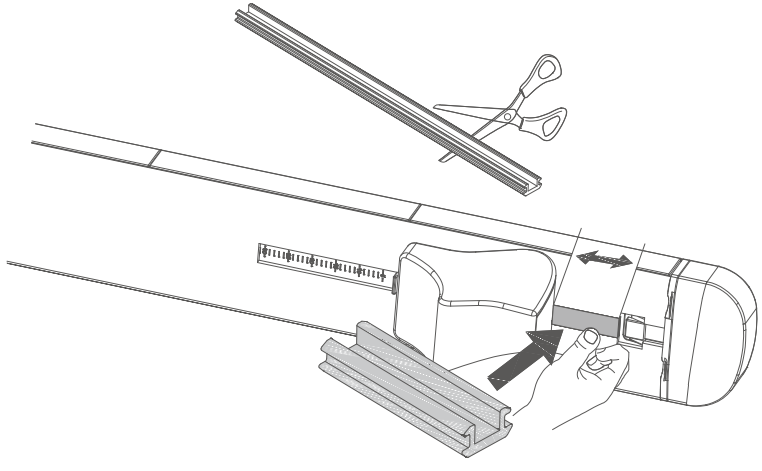
STEP 8 Tighten the screws fully until the LURKER PRO+ has no play.



STEP 9 Reinstall the tripod rear cover.



STEP 10 Cut the sealing rubber strip to the required length and insert it into the gap.



Two LURKER PRO+ units can be installed to serve as a roof rack. The screw accessories can be used to secure other tool boxes or brackets.



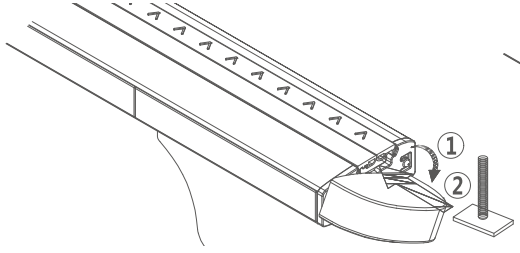


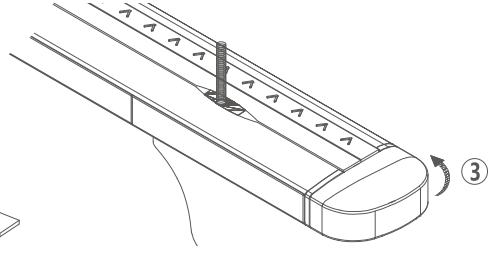
Steps:

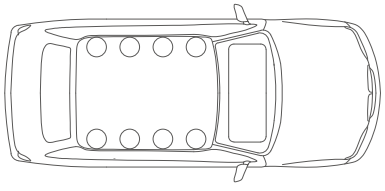
1. Tilt the side light assembly down to a required angle first.

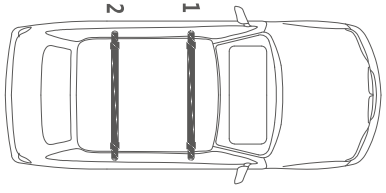
2. Slide the T-bolt into the slot.

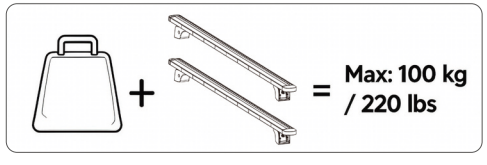
3. Rotate the side light assembly back to its original position.

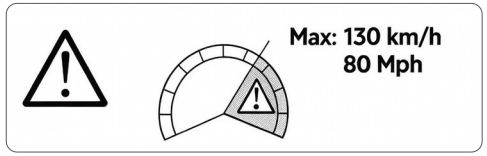


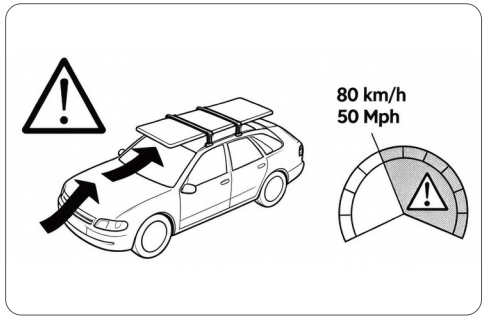










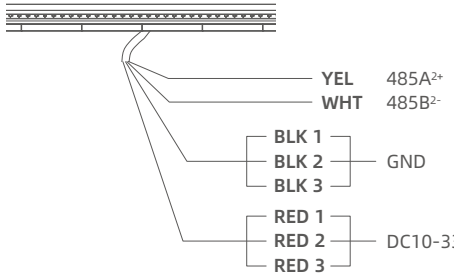


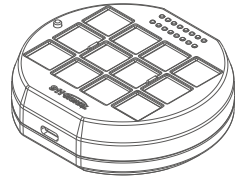
5. FUNCTION



5.1 LURKER PRO+ 2.4G Wireless Control Version Wiring & Function Instructions

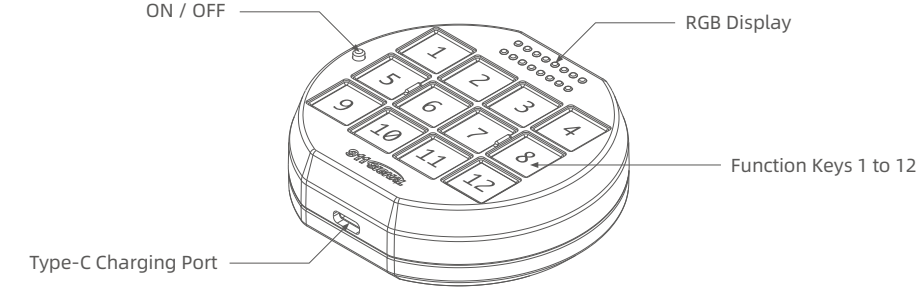
A. LURKER PRO Wire Functions





Max. Range: 100m (open area)

B. 2.4G Wireless Controller Functions



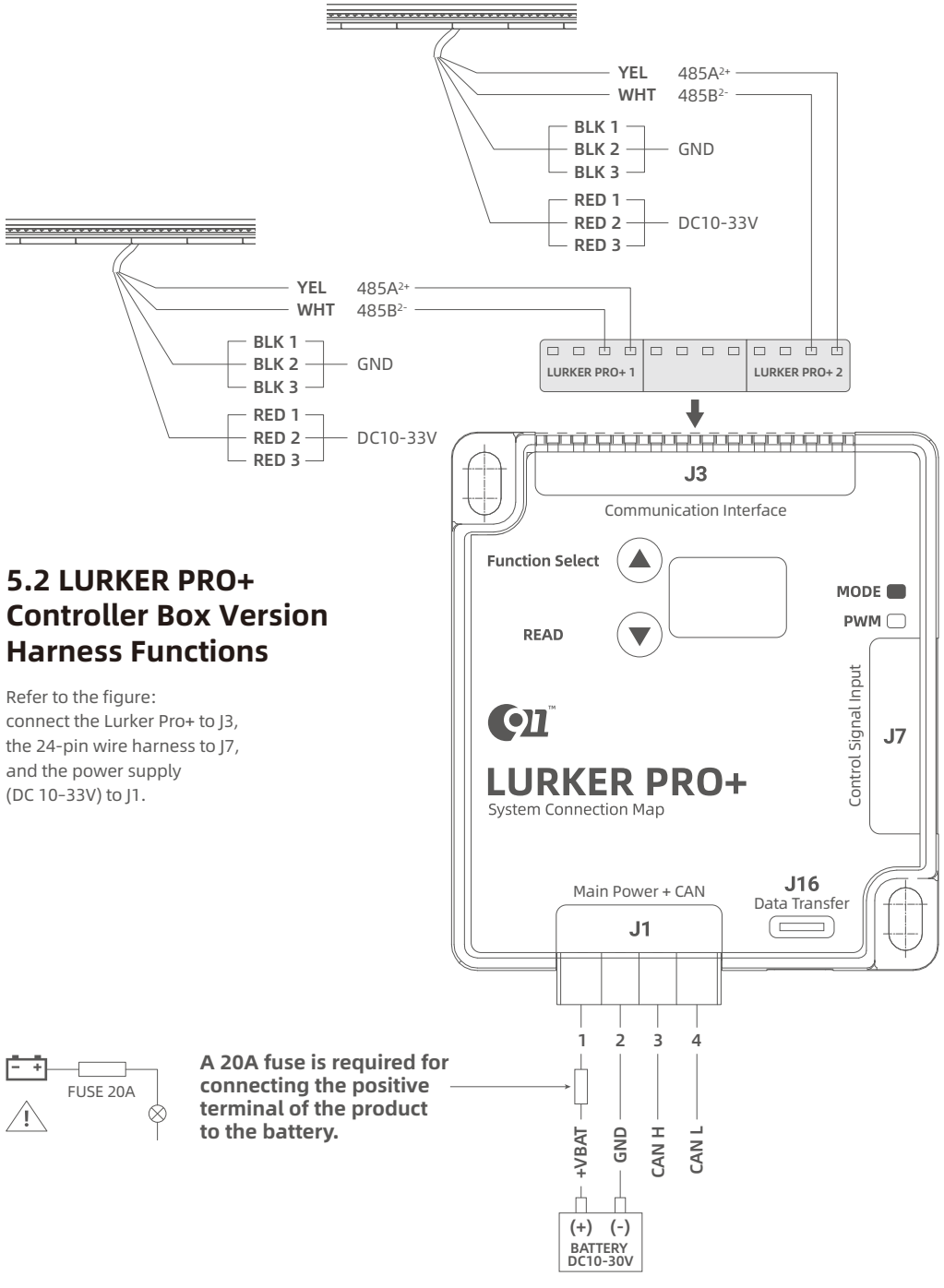
FUNCTION KEYS

1	Mode 1	2	Mode 2	3	Mode 3	4	Mode 4 (Disable Wireless Synchronization)
5	Arrow-Right	6	Arrow-Left	7	Ally Right	8	Ally Left
9	Takedown	10	DRL	11	Flood Front	12	Flash

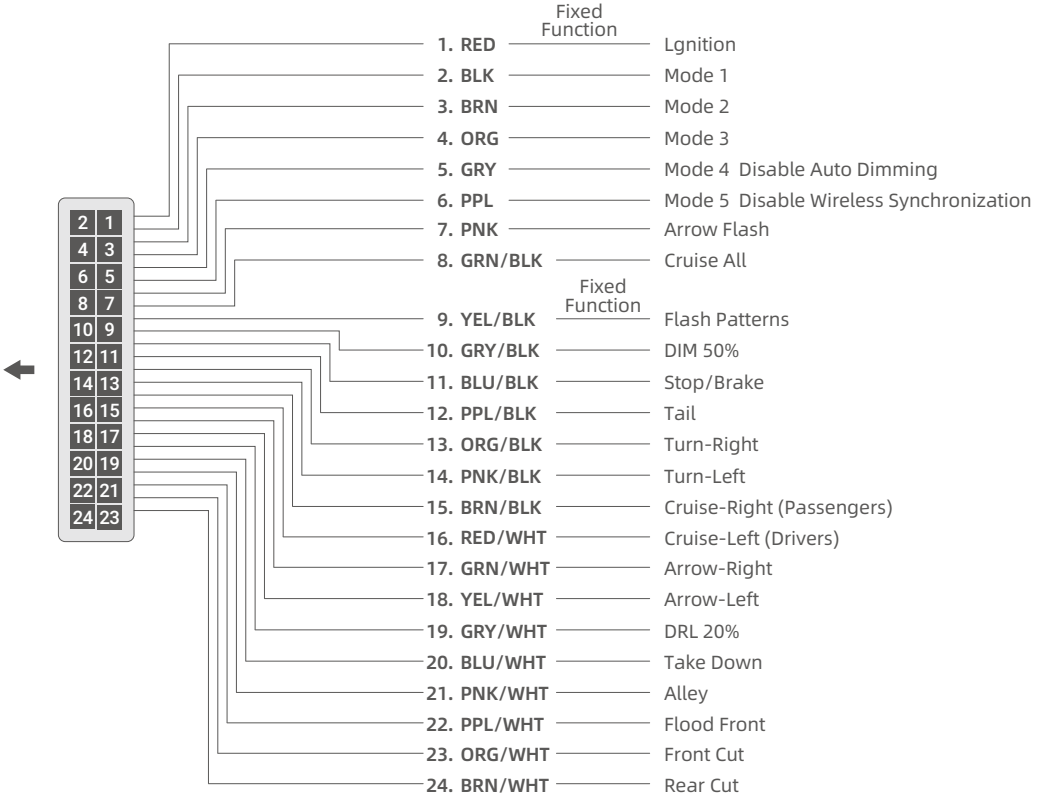


5.2 LURKER PRO+ Controller Box Version Harness Functions

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



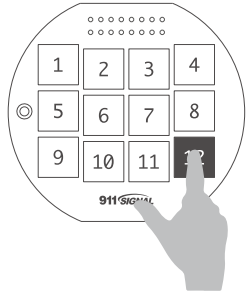
A 20A fuse is required for connecting the positive terminal of the product to the battery.



6. FUNCTION SETTINGS OF 2.4G CONTROLLER

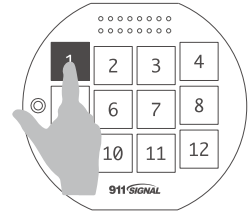
6.1. Flash Pattern, Brightness & Color Settings

Enter function settings via Key 12

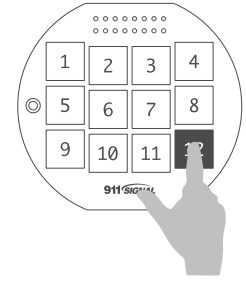


LONG PRESS	FUNCTION RGB INDICATION	FLASH/SPLIT/BRIGHTNESS/COLOR/RESET			
1S Flash Patterns	○ ○ ● ● ● ● ● ●	Steady	Random	Single_SAE	Single_R65
		Double_R65	Triple_R65	Quint_R65	Single_60
		Single_75	Single_90	Single_300	Double_75
		Double_150	Triple_75	Quad_75	Quint_75
		Ultra_75	Quad_Single_75	Single_H_L	Single60_Triple75
		PulseLink	Cruise_Double		
2S Split	● ● ○ ○ ● ● ● ●	LR	ALL	IN/OUT	SPLIT 1
		SPLIT 2			
3S Brightness	● ● ● ● ○ ○ ● ●	100%	80%	60%	40%
		20%			
4S Color	● ● ● ● ● ● ○ ○	Yellow	White	Yellow+White	Blue
		Red	Red+Blue		
5S Reset	○ ● ● ● ● ● ● ○	Reset			

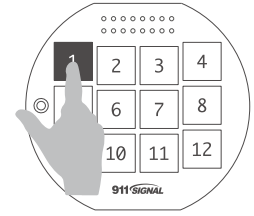
6.2. Mode Usage



Step 1: Turn on Key 1

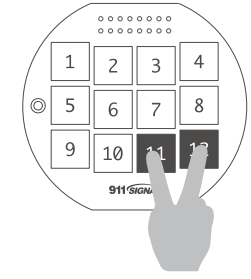


Step 2: Press Key 12 to set flash pattern, brightness, color, etc.

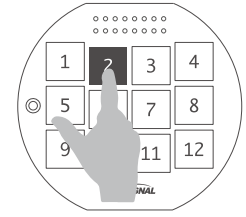


Step 3: Turn off Key 1 to save and exit.

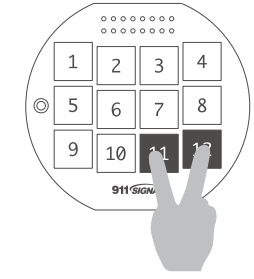
6.3. Button Backlight Settings



Step 1: Hold 3 seconds to enter settings.



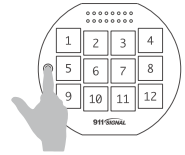
Step 2: Colors: White, Blue, Red, Green, Yellow, Light Blue, Light Green, Purple.



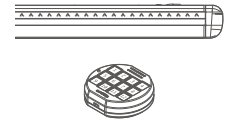
Step 3: Hold 3 seconds to exit settings.

6.4. 2.4G Wireless Controller & LURKER PRO Pairing

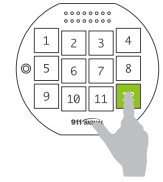
Ensure power supply to LURKER PRO.



Step 1: Press and hold the switch to turn on the controller.



Step 2: Place the controller beside LURKER PRO and wait for 5 minutes.



Step 3: Press and hold Key 12 until the indicator turns green.



Step 4: TD light flashes upon successful pairing.

7. FUNCTION SETTINGS OF CONTROL BOX & OTHER CONTROLLERS

7.1. Default program settings

STEP 1: Operate the LURKER PRO+ 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 2: Flash Patterns, Synchronization, Alternation & Brightness Settings
(Apply yellow black wire to positive pole)

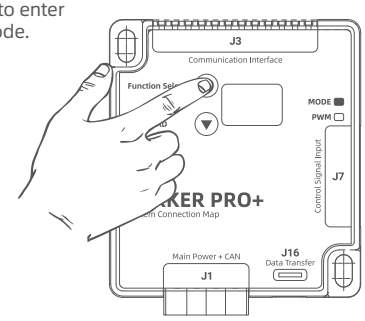
Time	1S	2S	3S	4S	5S
Display	1--22	Lr--S2	00-20-40-60-80	'C1-09'	00
Function	Flash Control		Brightness		
Order	1. Steady 2. Random 3. Single_SAE 4. Single_R65 5. Double_R65 6. Triple_R65 7. Quint_R65 8. Single_60 9. Single_75 10. Single_90 11. Single_300 12. Double_75 13. Double_150 14. Triple_75 15. Quad_75 16. Quint_75 17. Ultra_75 18. Quad_Single_75 19. Single_H_L 20. Single60_Triple75 21. PulseLink 22. Cruise_Double	Left/Right	100%	Amber (CLR 1)	Reset
		All	80%	White (CLR 2)	
		In/0ut	60%	Amber+White (CLR 1+2)	
		Split 1	40%	Red (CLR 1)	
		Split 2	20%	Blue (CLR 2)	
				Red+Blue (CLR 1+2)	

Flash Patterns

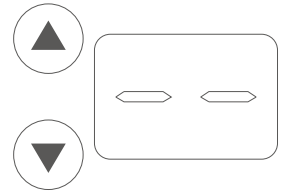
1	Steady	2	Random	3	Single_SAE	4	Single_R65
5	Double_R65	6	Triple_R65	7	Quint_R65	8	Single_60
9	Single_75	10	Single_90	11	Single_300	12	Double_75
13	Double_150	14	Triple_75	15	Quad_75	16	Quint_75
17	Ultra_75	18	Quad_Single_75	19	Single_H_L	20	Single60_Triple75
21	PulseLink	22	Cruise_Double				

7.2. Custom Mode

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

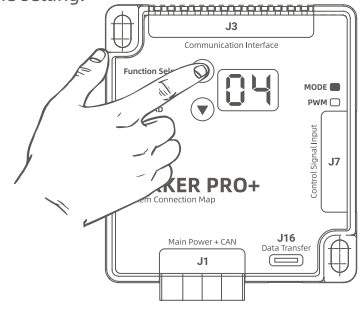


② The screen shows '--', connect the function wire to the power supply's positive terminal for redefinition.



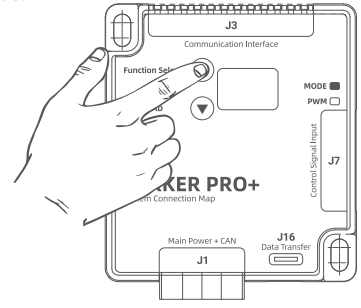
③ Display shows the function number.
Use the '▲' button to increment and the '▼' button to decrement the number

Release the function wire to complete the setting.



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							
1	Mode 1	2	Mode 2	3	Mode 3	4	Mode 4	
5	Mode 5	6	Arrow Flash	7	Cruise All	8	Take Down Flash	
9	Alley Flash	10	Lgnition	11	Flash Patterns	12	Stop/Brake	
13	Tail	14	Turn-Right	15	Turn-Left	16	Turn-Right	
17	Turn-Right	18	Arrow-Right	19	Arrow-Left	20	Drivers & Passengers Alley	
21	DRL	22	Take Down	23	DIM 50%	24	DIM 20%	
25	Arrow Outside In	26	Cruise Corner	27	Cruise-Side	28	Cruise-Right (Passengers)	
29	Cruise-Left (Drivers)	30	Flood Front	31	Flood Rear	32	Flood Front & Corner	
33	Flood Rear & Corner	34	Flood All	35	Passengers Alley	36	Drivers Alley	
37	Front Cut	38	Rear Cut	39	Driver Cut	40	Passengers Cut	