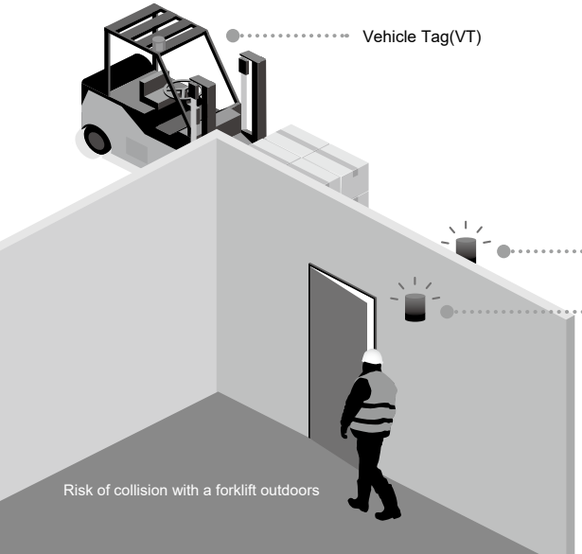
SPDS Flashing Vehicle Beacon (FVB) is a safety-assisting device which prevents collisions among pedestrians, vehicles and obstacles in a blind spot.

It is possible to adjust distance setting with buttons on the product. This product makes signal by detecting vehicle tags around to help pedestrians avoid dangerous situations.

High accuracy of UWB based proximity detection is an advantage of Laserglow Technologies SPDS. The product is available without any registration or rectification during installation.

※ This product is associated with Vehicle Tag (VT).
For more information on installation and usage of VT, please refer to VT/PT Installation Guide and User Manual.

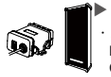


Specifications		Flashing Vehicle Beacon (VB)
Electrical Feature	Power	12/24V DC Input (9/32V DC)
	Current	500mA
	Interface	CAN Bus 2.0
	Signal Status / Alert Type	· No approach : No signal · Approach Warning : Lamp / Alert or voice alert(Optional)
	Sound Level / @Distance	88dB / 1m
Mechanical Feature	Size	Ø 122.7 × 140.6 × 111.5mm
	Weight	483.5g
	Color	Red / Amber
	Mounting Method	Magnet Mount Type or Bracket Type
Operation Specification	Operating Temperature	-30 ~ 85°C
	Storage Temperature	-40 ~ 85°C
	Waterproof	IP65

※ Some features may change without prior notice to improve the performance of the product.

▶ Flashing Vehicle Beacon (FVB)

· Function: Operate the lamp and alert by detecting vehicle tags when vehicles approach the warning zone
· Alert : Beeping Indicator



▶ In case of installation of optional devices(Amp/Speaker)

· Alert :
Danger Area - "Vehicle is approaching to the danger area."
Caution Area - "Vehicle is approaching to the caution area."

▶ In case of installation of optional device (Dummy Flash Light)

Dummy flash light interlocks with FVB. It is suitable to avoid collisions caused by limited visibility at the corner or the entrance.

⚠ Caution/Warning for Safety

· Do not intentionally immerse the product in water or wash it in running water. This may cause permanent damage.
· Do not place the product near flammable materials, stoves, candles, or fire. This may cause fire and product deformation.
· If the product smells, smokes, or makes abnormal noises, turn off the power and contact the customer service center immediately.
· Do not touch the connector or wiring with wet hands. This may cause electric shock or fire.
· If a connector or a wiring gets wet, wipe it with a dry towel. Otherwise, it may cause electric shock or fire.
· Do not place heavy objects on the product or on wiring, or shock. It may cause electric shock or fire.
· Do not disassemble or modify this product. This may cause permanent damage, and After-Sale Service will not be available.

Any accidents that result from not following the instructions in this manual are the user's responsibility.

·Model No : SPDFVB
·FCC ID : 2AWBN-SPDFVB
·IC ID: 26108-SPDFVB
·Manufacturer : Laserglow Technologies / CANADA

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note : The following statement applies to all products that bear the FCC logo on the product label. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. See 47 CFR Sec. 15.105(b). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

· Reorient or relocate the receiving antenna.
· Increase the separation between the equipment and the receiver.
· Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
· Consult the dealer or an experienced radio/TV technician for help.

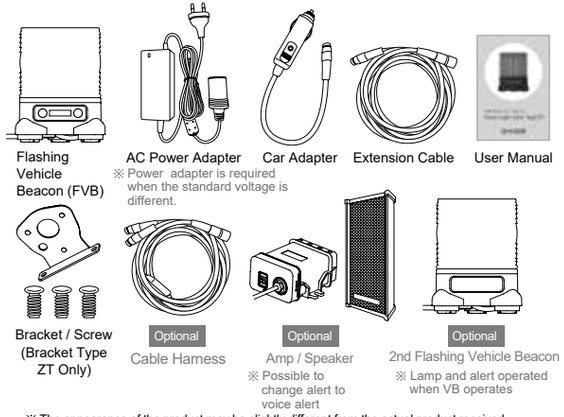
Rev. 1

Laserglow Technologies

Smart Proximity Detection System (SPDS)

User Manual

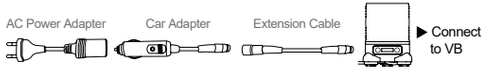
Flashing Vehicle Beacon (FVB)



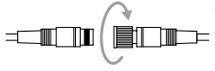
※ The appearance of the product may be slightly different from the actual product received.

Installation

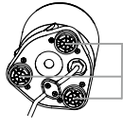
* It is recommended to use AC power connectors for protection against thunderstorm or high inflow of voltage and current.



※ Use a harness cable instead of extension cable when connecting other products other than Flashing Vehicle Beacon (FVB).

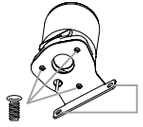


* Caution! **Tighten cable terminals to properly connect them.** Failure to do so may cause water damage or loose connection.



Attach with magnet

[Magnet Mount Type]



Use appropriate screws

[Bracket Type]

Preferences - Basic Type

※ Detailed setting of each function is available in SPDS Toolkit. (Please refer to SPDS Toolkit user manual)

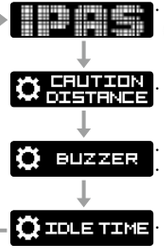
The type of preferences menu should be different depending on installation of optional devices(amp/speaker).
Basic type is for the product without the optional devices.

① Enter Setting Menu

Press the left button several times to choose menu type. Press the right button to enter the menu.

Setting Menu [Basic Type]

※ Default setting : Caution distance 20m / Buzzer ON / Idle Time OFF



- Main Screen (Connecting or using the product)
- Distance : 5-10-15-20-25-30m
- Alert Sound : Beeping Indicator
- Alert : 1-2-3-OFF
- Idle Time : OFF-10-20-30-40-50s

※ Idle Time temporarily stops VFB for set time period

② Adjust setting

Adjust the setting with -(left) / +(right) buttons and wait for 3 seconds. Return to main screen after completing the setting.

Preferences - Option Type(Amp/Speaker)

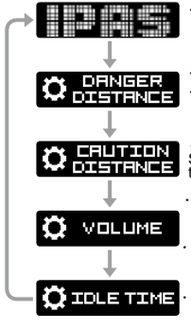
The type of preferences menu should be different depending on installation of optional devices(amp/speaker).
The option type is for the product with the optional devices.

① Enter setting menu

Press the left button several times to scroll through menu. Press the right button to enter the menu.

Setting Menu [Amp/Speaker Option Type]

※ Default setting : Danger distance 10m / Caution distance 20m / Volume 5 / Idle Time OFF



- Main Screen (Connecting or using the product)
- Distance : 5-10-15-20-25-30m
- Voice Alert : "Vehicle is approaching danger area."
- Distance : 5-10-15-20-25-30m (※ Set caution distance same as or longer than the danger distance.)
- Voice Alert : "Vehicle is approaching caution area."
- Step : OFF-1-2-3-4-5 level
- Idle Time : OFF-10-20-30-40-50s

• Idle Time temporarily stops FVB for set time period

② Adjust setting

Adjust the setting with -(left) / +(right) buttons and wait for 3 seconds. Return to main screen after completing the setting.

WARRANTY

Warranty Term 1 year from the purchase date

Product Name	
Model Name	
Place of Purchase	
Date of Purchase	
Name of Customer	
Phone Number	

***Service information**

1. If a performance or functional failure occurs from proper use during the warranty period, the repair service is free of charge.
2. When repair service is required, please present the warranty card with all information filled in.
3. The following cases will be charged for the repair regardless of warranty period.
   - · Failure due to careless use or improper repair or modification
   - · Failure due to non-compliance to the specifications stated in this manual
4. After the expiration of warranty period, a fee will be charged for the repair service.
5. The warranty card cannot be reissued.

※ If failures occur when a person who is not in our service team tries to repair the product and it breaks down, or uses components from other companies, Laserglow will not be responsible for those failures.
※ Please contact Laserglow Technologies for refund or exchange of product.

Distributor

Laserglow Technologies
99 Ingram Dr Unit B, North York, ON M6M 2L7
North York, Toronto, ON
Tel. (416) 729-7976 Fax. (480) 247-4864
E mail. sales@laserglow.com
www.laserglow.com

* Contact distributor above for all inquiries about the purchased product: