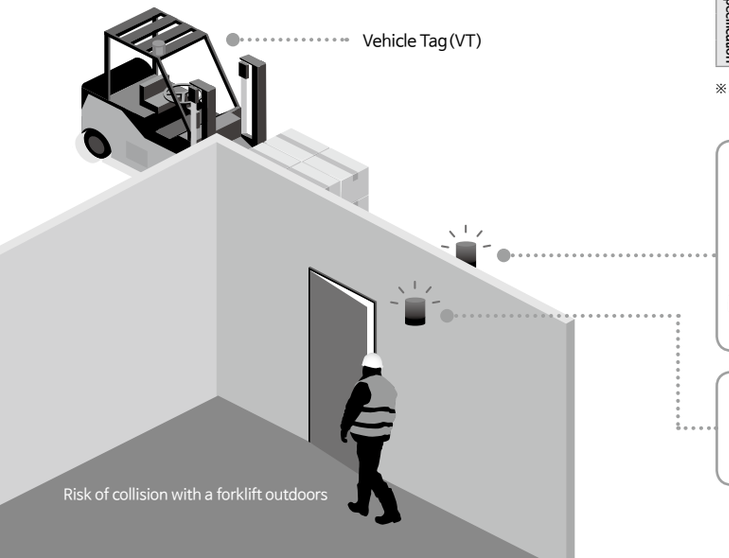
**IPAS Flash Light Zone Tag(ZT)** is a safety-assisting device which prevents collisions among pedestrians, vehicles and obstacles in a blind spot.

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 KIGIS IPAS. The product is available without any registration or rectification during installation.

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




| Specifications | | Flash Light Zone Tag(ZT) |
|---|---|---|
| Electrical Feature | Power | 12/24VDC Input (9/32Vdc) |
| | Current | 500mA |
| | Interface | CAN Bus 2.0 |
| | Signal Status / Alert Type | · No approach : No signal<br>· 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.

▶ Flash Light Zone Tag(ZT)
· Function : Operate the lamp and alert by detecting vehicle tags when vehicles approach the warning zone
· Alert : "Beeeep—"

▶ In case of installation of optional devices(Amp/Speaker)
· Alert :
Danger Area - "Danger, Danger!"
Caution Area - "Watch out, Watch out!"

▶ In case of installation of optional device (Dummy Flash Light)
Dummy flash light interlocks with a flash light zone tag. 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 trouble.
- 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 trouble, 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 : PAS-K01-40
·FCC ID : ZE8-PAS-K01-40-B
·Manufacturer : KYUNGWOO SYSTECH, Inc. / KOREA

* 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 : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

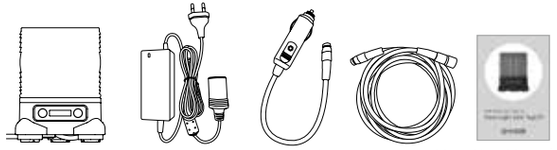
* NOTE : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

211102_Rev. 1.02

KIGIS IPAS User Manual

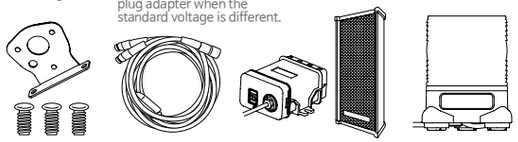
# Flash Light Zone Tag(ZT)

KIGIS SAFETY TECHNOLOGY



Flash Light Zone Tag(ZT) | AC Power Adapter | Cigar Jack | Extension Cable | User Manual

※ It is needed to use a power plug adapter when the standard voltage is different.



Bracket / Screw (Bracket Type ZT Only)

Optional — Cable Harness

Optional — Amp / Speaker
※ Possible to change alert to voice alert

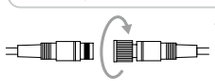
Optional — Dummy Flash Light
※ Lamp and alert operated when flash light zone tag operates

※ 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 Flashlight ZT.



* Caution! **Wind up cable terminals to properly connect them.** Disregarding this caution, it may cause a malfunction caused by liquid matters.

Attach with magnet

[Magnet Mount Type]

Use appropriate screws

[Bracket Type]

## Preferences - Basic Type

**※ Detailed setting by each function is available by IPAS Toolkit. (Please refer to IPAS 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 enter different types of menu.
Press the right button to enter the menu.

**Setting Menu [Basic Type]**

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

| | |
|---|---|
| IPAS | · Main Screen (Connecting or using the product) |
| CAUTION DISTANCE | · Distance : 5-10-15-20-25-30m |
| BUZZER | · Alert Sound : "Beeeep—"<br>· Alert : 1-2-3-OFF |
| IDLE TIME | · Idle Time : OFF-10-20-30-40-50s |

* **Idle Time?** Time to stop alert and spot-light by considering the vehicle non-existent until the boundary of warning area when the one has no movement during the setting time

### 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 enter different types of 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

| | |
|---|---|
| IPAS | · Main Screen (Connecting or using the product) |
| DANGER DISTANCE | · Distance : 5-10-15-20-25-30m<br>· Voice Alert : "Vehicle is approaching to the danger area." |
| CAUTION DISTANCE | · Distance : 5-10-15-20-25-30m (※ Set the distance same as or longer than the danger area.) |
| VOLUME | · Voice Alert : "Vehicle is approaching to the caution area."<br>· Step : OFF-1-2-3-4-5 level |
| IDLE TIME | · Idle Time : OFF-10-20-30-40-50s |

* **Idle Time?** Time to stop voice alert and spot-light by considering the vehicle non-existent until the boundary of warning area when the one has no movement during the setting time

### 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 while proper using during the warranty period, the repair service is free of charge.
2. When the 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 certain 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 breaks down, or uses components from other companies, we will not hold the responsibility for those failures.
※ Please contact the store where you purchased the product for the refund or exchange of the product.

KYUNGWOO Manufacturer
KYUNGWOO SYSTECH, INC. 4F, Daeryung Post Tower 5, 68, Digital-ro 9-gil, Geumcheon-gu, Seoul, 08512, Republic of Korea **Tel.** +82-2-985-8085 **Fax.** +82-2-985-8087 **Mail.** info@kigistec.com www.kyungwoo.com / www.kigistec.com

**Distributor(or purchasing store)**

* Any inquiry about the purchased product is contactable to distributor (or purchasing store) at below line.