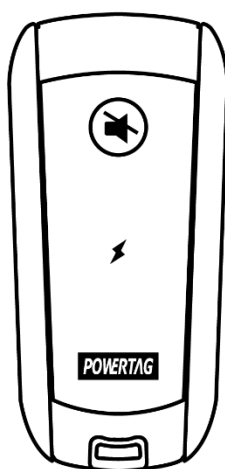


Tag32 (Tag with buzzer and alarm cancellation function)

Instruction manual 1.0.3



It can be used in worker approach detection "The Hiyari Hunter ver2 or later".

* The contents of this book are as of March 2022. The contents of this document, including product specifications, are subject to change without notice for improvement.



Matrix inc.
<https://matrix-inc.co.jp/>

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Applicable law rules

1. RoHS Directive

This product complies with RoHS directive (DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment)



2. Radio Law (in Japan)

This product falls under a frequency of 315.25 MHz or less exceeding 312 MHz stipulated in Article 6, Paragraph 4, Item 2 (1) (1) of the Ordinance for Enforcement of the Radio Act of the Ministry of Internal Affairs and Communications, and it has been certified that this technical standard conforms, It is a wireless equipment "specified low power radio station" which does not require a license.




Safety Precautions

In order to prevent harm to people and damage to property, we explain that you must follow them.

It distinguishes and explains the degree of harm and damage caused by incorrect use.

	warn	Ignoring this labeling and mishandling it can cause a person to die or be seriously injured.
	note	Ignoring this labeling and mishandling it may result in injury to a person and may cause property damage.

The type of contents to be followed is distinguished by picture symbols and explained.





	It is a content to be careful.
	It is a content that should not be done.
	What you have to do.

Disclaimer

The company shall not be liable for any damage that you or a third party may suffer incurred from misuse of this product, failure that occurred during use, other defects or use of this product except in cases where legal liability is recognized by law.

Thank you for your understanding.



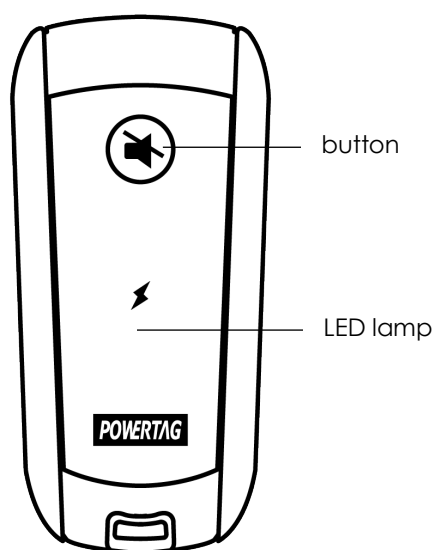
	Do not modify or disassemble this product. Doing so may cause damage or malfunction.
	Do not forcibly open this product. Doing so may cause poor waterproofing, damage, or malfunction.
	Do not make a violent impact Doing so may cause damage or malfunction.
	Keep out of reach of children Keep out of reach to prevent accidents from occurring so that small children do not eat or swallow. Also, be careful with used batteries.



note

	Do not put it in liquids such as water This product is waterproof, but it is not completely waterproof.
	Do not use in environments with strong acids or strong alkaline moisture Do not wash with liquids other than water (alcohol or chemicals) as this may cause damage or malfunction.
	Do not place near electronic devices Do not place this product near electronic devices that emit high-frequency noise such as TVs, personal computers, or AC adapters. In addition, please keep at least 1 m away from the electronic device. This may cause internal batteries to drain and reduce their life.
	Do not place near matrix products When placing this product, please keep at least 1 m away from the AC adapter, tag checker, trigger unit, and wiring cable used in the matrix product. This may cause internal batteries to drain and reduce their life.
	Do not place near magnets or metal objects When using this product, try to keep as far away as possible from magnets and metal objects. The communication distance is significantly reduced. Please keep it at least 5cm as a guide.
	Do not stay in the trigger magnetic field for a long time This product transmits tag data when a trigger magnetic field is detected. Do not allow this product to stay in the trigger magnetic field for a long time. This may cause internal batteries to drain and reduce their life.
	If you have any skin abnormalities, stop using immediately and seek medical attention. If you continue to touch the skin directly for a long time, itching, rash, eczema may occur depending on the constitution and physical condition of the customer.
	Check the installation and storage location Avoid using or storing in the following locations: <ul style="list-style-type: none">● In direct sunlight● Places with high temperatures and humidity● Places where temperatures can change rapidly● Places with high vibrations or dust● Places where static electricity easy to be charged● Places within 1m of electronic devices with high-frequency noise● Where corrosive, flammable gases are generated
	Care and maintenance of this product Clean with a dry, soft cloth. If the stain is severe, soak the cloth in a mild detergent diluted with water, squeeze it hard and wipe it off. Also, remove any remaining moisture with a dry cloth to finish. * Exposure to chemicals, alkaline agents, and solvents may cause deterioration or destruction.
	When attaching an identification seal, etc. to a tag When attaching a seal etc. to identify the tag, please use a paper one as much as possible. Depending on the material of the seal, especially metal deposition, the transmit signal strength of the tag may be reduced.

Names and specifications of each part



specification

Model Number	<ul style="list-style-type: none"> ● TAG32-MP : MXAT-SL-32-TD-011P ● TAG32-LP : MXAT-SL-32-TD-012P
Receive sensitivity	High sensitivity
Trigger detection directivity	3-axis direction
Transmit frequency	315MHz band
Transmit signal strength	EIRP 55μW or less
Transmission signal output interval	Random (internal outbound table)
Transmission signal output time	Approx. 1.2mSec.
power supply	CR2032×1 (220mAh 3V)
Battery life	Up to 3 years*1
Buzzer volume (reference value)	About 75 dBA at a distance of 10 cm
Operating temperature range	-10°C ~ +50°C
Case material	ABS (black) TPE (blue)
Protection level	IP65 is comparable
Dimensions	(W)90mm×(H)15.7mm×(D)44.2mm ※Max
Weight	38g

※1

This is a calculated value based on buzzer ringing for 1 minute a day in an environment of 23 °C. It varies greatly depending on the usage conditions and environmental conditions.

Operating mode

Normal mode

- Transmit signal when triggering magnetic field detection (alarmed by Hiyari Hunter)
- Buzzer ringing when trigger magnetic field detection

Battery checkmode

Check the battery level when the button is pressed briefly outside the trigger magnetic field. 【01】

- **Battery level OK: LED lamp lights up for about 1 second**
- **Battery level NG: LED lamp flashes quickly for about 1 second**

Signal is not sent while the button is pressed. Please note that it is not detected by Hiyari Hunter and is not alerted.

【01】

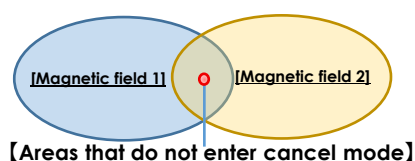
NG is determined earlier than the tag checker.

Cancel mode

When the button is pressed for more than 2 seconds in a single trigger magnetic field, it enters cancel mode.

- **Stop sending (stop alarm of Hiyari Hunter)**
- **Buzzer ring stop**

When multiple trigger magnetic fields are detected during button press, Please note that it will not enter cancel mode. (Figure below)



* Also if you are using a cancelling unit (cabin), it will not be in cancel mode.

Return to normal mode under the following conditions:

- **Press the button for at least 2 seconds while in cancel mode**
- **A few seconds after exiting the trigger magnetic field**

Signal is not sent while the button is pressed. Please note that it is not detected by Hiyari Hunter and is not alerted while in the canceled magnetic field.

[Operation at the time of button press]

■ During cancel mode transition

Buzzer ring twice
LED lamp lights up three times

■ When cancel mode continues

LED lamp flashes slowly

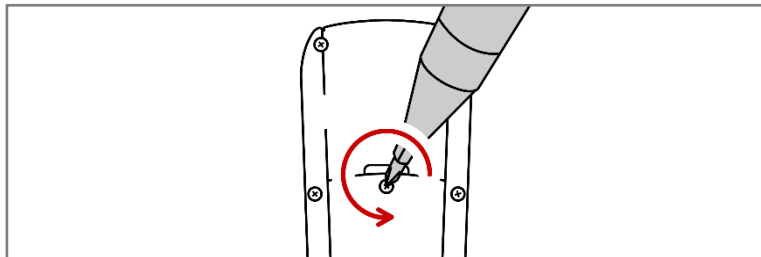
■ When cancel mode transition fails

Buzzer 5 times ringing
LED lamp lights up 5 times

Battery replacement

1. Removing the battery cover

Remove the battery cover with a Phillips screwdriver (+#0). 【01】

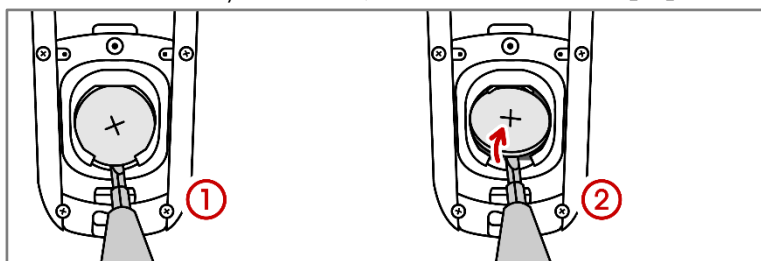


【01】

Using a precision screwdriver may strip the screw.

2. battery Taking out

Remove the battery with a thin, hard-to-break stick. 【02】



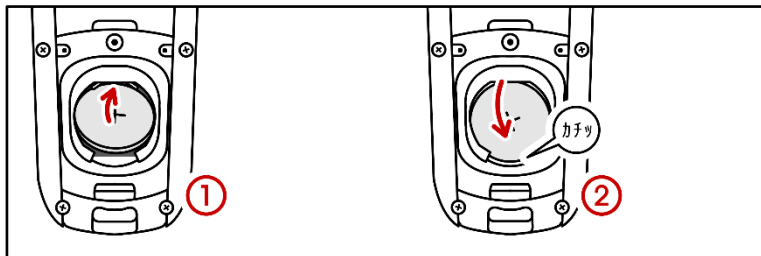
【02】

Be careful not to damage the board. Please note that the battery may pop out.

Follow the instructions of your city to determine how to dispose of used batteries.

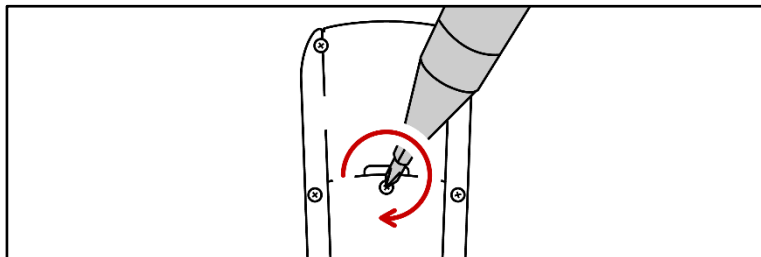
3. Installing batteries

Install the new batteries.



3. Installing the battery cover

Gently install the screws so as not to strip them. 【03】



【03】

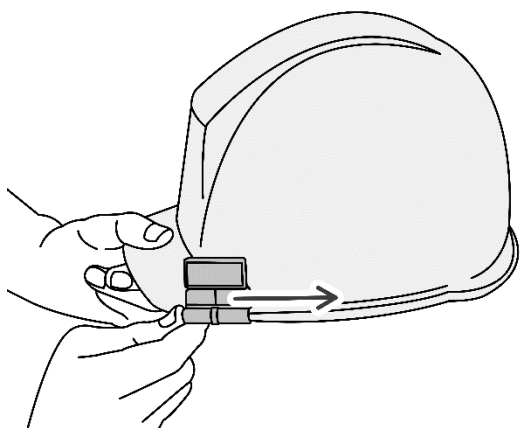
If the o-ring on the battery cover is covered with dust, remove it as much as possible.

Attach on helmets

When using helmet attachment T-3011 (or S-3012)

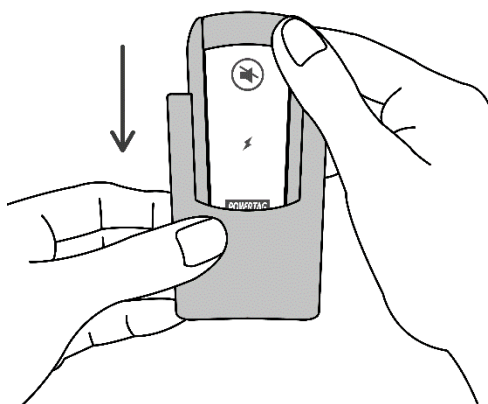
1. Attach helmet attachment

Slide the attachment on.

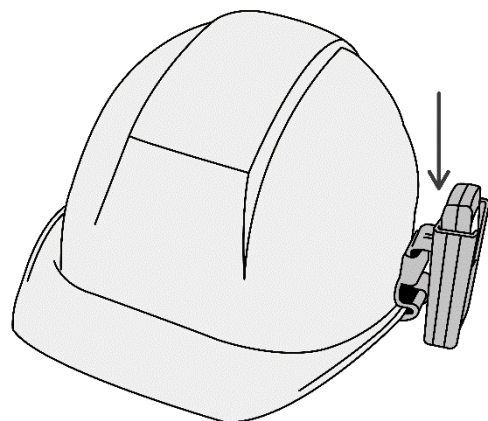


2. Tag32 in tag holder

Push the Tag32 in to store it.



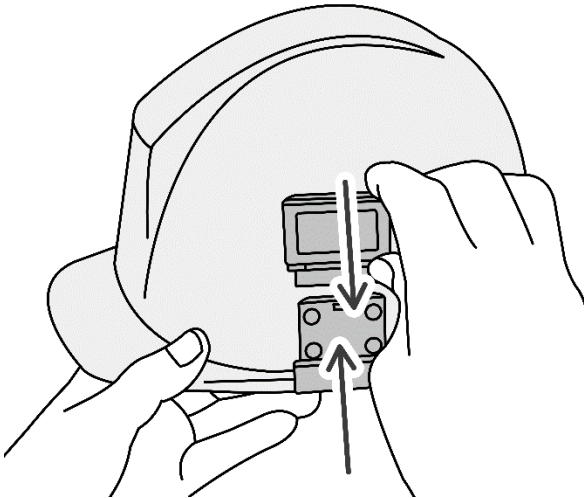
3. Tag holder attached to helmet attachment



If you use the helmet attachment OK-3013,

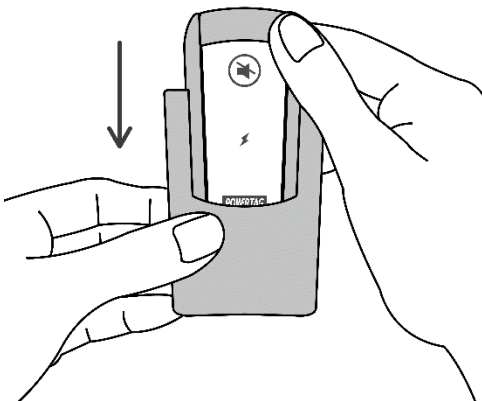
1. Attach helmet attachment

While holding the base from the bottom, attach the attachment from the top.



2. Tag32 in tag holder

Push the Tag32 in to store it.



3. Tag holder attached to helmet attachment

