

User Manual

Smart RTLS Tag

TVU-A10 (HAE-ST-UWB-V-X-001)



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1. Introduction

- Product name: Smart RTLS Tag
- Model: TVU-A10 (HAE-ST-UWB-V-X-001)
- This device is designed to be attached to the object for tracking its location in indoor environment
- The product broadcasts Ultra Wide-band signal and infrastructure calculates the signal to determine its 0D(presence detection), 1D, 2D coordinates.



Figure 1 Product picture

2. Technical Specification

- Size: 99 x 63 x 27 mm
- Weight: 160g
- Features: Radio broadcasting for indoor location
- Power Supply: Internal Li-Pol 3,000mAh battery (Wireless charge)
- Radio: UWB 6.5GHz
- Housing: Engineering plastic (PC-ABS) (IP66)
- Environment: Industrial / Warehouse
- Operating conditions: -20 ~ 60°C, 20~85% Humidity without condensation

3. Parts Names and Features



Figure 2 Parts names

- Charge LED: Charge status: Charging – RED on / Charge complete – OFF
- User LED: Tag status: Working – GREEN blink / Low battery – ORANGE or RED blink
- Sealing rubber: Waterproof, dustproof
- Magnet attachment site: Attachment to metal objects

4. How to Use

- Attach to the desired tracking object's surface (Magnet attachment)
- Check User LED is GREEN Blink, charge the battery if not

5. Battery Charge

- Place the device on wireless charger
- Check RED LED is on.
- RED LED turns off when charging is completed.

6. Safety and Regulatory Information

- Please use the device in indoor environment only.
- Do not use the device in wet conditions.
- Throwing or dropping the device above a certain height (2 meters) may cause damage.
- If the device is wet, please remove the moisture with dry cloth.
- When the device is not working properly, do not disassemble the product and contact the manufacturer.

Warning Statement.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

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 of the device.

This equipment complies with radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. End users must follow the specific operating instructions for satisfying RF exposure compliance.

"This equipment may only be operated indoors. Operation outdoors is in violation of 47 U.S.C. 301 and could subject the operator to serious legal penalties."