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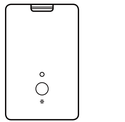
USER MANUAL

UWB TAG
Tb1000-g



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Product Introduction

【General】

Tb1000-g UWB Tag has the function of detecting the distance between each other. When it detects that the distance between itself and any other UWB Tag is less than the preset distance, it will record this event and alarm. Typical application scenario is shown in the figure below.

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equipment and its accessories, or swallow small parts that cause suffocation or other dangers.

- Do not store or transport equipment and its accessories in the same box with flammable gases, liquids or explosives.

- When disassembling the equipment, do not spray or wipe it directly with flammable liquid to avoid fire.

- Never disinfect the equipment during the charging process to avoid equipment damage or casualties.

- Keep the UWB Tag in a dust-free place when not using it, and do not leave it in an abandoned status. Please pay attention to the weather and environmental conditions (nature: dust, rain seeping, wet, rain, sea water etc.). The recommended operating temperature range is -10°C (14°F) to +60°C (140°F) and the storage humidity range is 5%-95%. Damage might be caused when it is used in an environment exceeding +60°C (140°F).

- The UWB Tag and the accessories comply with applicable surface temperature standards and limits. However, even within these limits, sustained contact with warm surfaces for long periods of time may cause discomfort or injury. Continuous alert of the UWB Tag may make the equipment feel warm. Remove the UWB Tag if it becomes uncomfortably warm.

- Please use the charger in the original package when charging. Usage of non-conforming third-party chargers may cause personal safety damage and/or battery damage.

【Battery】

- Never discard, replace or open the battery at will, nor try to penetrate the equipment with sharp tools, as the electrolyte inside the battery in the equipment may damage skin and clothes.

- The equipment should be stopped from using if it is noticed to be hot, smelly, discolored, deformed or in any other abnormal status.

- If the battery leaks, do not expose the leaked liquid to your skin or eyes. If exposed to skin or eyes, rinse immediately with clear water and take medical treatment at the hospital.

- Do not expose the batteries to high temperature or place it close to any heating equipment, such as sunshine, heater, microwave oven, oven and water heater etc. Overheating batteries may cause explosion.

- Do not drill or incinerate the equipment or battery. Please consult the local waste treatment department in accordance with the applicable local regulations including laws and policies when disposing your equipment/battery. Batteries must be recycled or disposed of separately from household waste.

【Charging】

Please charge the battery in accordance with the requirements of the instructions. Please use the provided (in the same product package) UWB Tag charging cable and power adapter. When charging, remember to place the UWB Tag, UWB Tag charging cable and power adapter in a well-ventilated environment. Using a damaged UWB Tag charging cable or charging when

humidity is high may cause fire, electric shock, injury or damage to the UWB Tag and other properties.

- Always keep the ports of UWB Tag and power adapter clean.

- Without adult's monitoring, do not let children charge the UWB Tag.

- As long as the applicable surface temperature standards and limits are met, UWB Tags, UWB Tag charging cables, and power adapters will function normally. However, please still try to avoid continuous contact with hot surfaces even within the indicated limits as this may lead to discomfort or injury. After the power supply is plugged in, the UWB Tag, the UWB Tag charging cable and the power adapter will gradually heat up, but will not break the indicated limits.

- Avoid wearing a UWB Tag when charging or allowing your skin to contact the UWB Tag. UWB Tag charging cable or power adapter during long time while charging. For example, when the UWB Tag is charging, or when the UWB Tag charging cable, or the power adapter is powered on, do not lie on it or place it under a blanket or pillow etc. Please be especially careful if your body has conditions that affect your ability to sense heat. If the temperature of the UWB Tag makes you uncomfortable, please remove it.

【Maintenance】

- Do not open the UWB Tag and try to repair it yourself. Disassembling the UWB Tag may cause damage injury. If the UWB Tag is damaged or during cable charging, please contact your seller in time.

【Warning】

- **Radio frequency interference**: Observe signs and notices that prohibit or restrict the use of electronic equipment. Although UWB Tag is designed, tested and manufactured to comply with regulations governing radio frequency emissions. Emissions from UWB Tag could potentially negatively affect the operation of other electronic equipment within certain distance.

- **Medical equipment interference**: UWB Tag contains components and radios that emit electromagnetic fields. UWB Tag has certain coverage of radio frequency bands. These electromagnetic fields may interfere with medical equipments, such as pacemakers and defibrillators etc. Consult your physician and medical equipment manufacturer for specific information related to your medical equipment and confirm whether you need to maintain a safe distance between the medical equipment and the UWB Tag and the UWB Tag charging cable; or the power adapter is powered on, do not lie on it or place it under a blanket or pillow etc. Please be especially careful if your body has conditions that affect your ability to sense heat. If the temperature of the UWB Tag makes you uncomfortable, please remove it.

【Maintenance】

- Do not open the UWB Tag and try to repair it yourself. Disassembling the UWB Tag may cause damage injury. If the UWB Tag is damaged or during cable charging, please contact your seller in time.

- **Small children.**

- **Skin sensitivities**: Some people may experience allergies or reactions when their skin is touched by certain materials used in jewelry, watches or any other wearable items. This can be caused from allergies, environmental factors, extended exposure to irritants or other causes. If you have past experiences from skin sensitivities, please take special care when wearing UWB Tag. You might be more likely to experience irritations. Keeping UWB Tag clean and dry could reduce the possibility of skin irritations.

- **Equipment safety**: The UWB Tag contains high-sensitivity electronic components. Falling, burning, puncturing or rolling could cause irreparable damage.

- **Ultra-wideband (UWB) equipment**: The use of ultra-wideband (UWB) equipment in aircraft is prohibited. Ultra-wideband (UWB) can be turned off through the corresponding software. The use of UWB has to be compliant with the relevant regulations from the national radio management authorities. If the national spectrum plan changes, the UWB function of the equipment may not continue to function.

- **Auxiliary surging**: This equipment is only used to assist social distancing. There could be some systematic errors in the actual use. Any output from usage of this equipment cannot be used as solid rationale for any medical assessment / evaluation or any other confirmation.

- **Not a medical equipment**: The UWB Tag is NOT designed as a medical equipment and should not be used as a replacement for professional medical assessment or judgement. It is not intended for use in the diagnosis of disease or other medical conditions; or in the cure, mitigation, treatment, or prevention of any medical / health conditions or disease. Please consult your healthcare provider all questions related to your health before considering use the UWB Tag.

- **Avoid radio frequency conflicts** (WiFi 6E uses the 5925MHz-7125MHz frequency band, which covers the frequency band for this equipment. Using together with WiFi 6E equipments may interfere with this equipment and may not work properly.

Disposal and Recycling Information

UWB Tag disposal and recycling

Your UWB Tag should not be disposed of with household waste. Dispose of your UWB Tag in accordance with local environmental laws and guidelines.

European Union–Disposal information

The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection

and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

BRASIL - INFORMAÇÕES SOBRE DESCARTE E RECICLAGEM

O símbolo acima indica que este produto e/ou sua bateria não devem ser descartados no lixo doméstico. Quando decidir descartar este produto e/ou sua bateria, faça o de acordo com as leis e diretrizes ambientais locais.

INFORMACIÓN SOBRE ELIMINACIÓN DE RESIDUOS Y RECICLAJE

El símbolo de arriba indica que este producto y/o su batería no debe desecharse con los residuos domésticos. Cuando decidas desechar este producto y/o su batería, hágalo de conformidad con las leyes y directrices ambientales locales.

Instructions for Operation

EU Compliance

Hereby declares that this wireless equipment is in compliance with Directive 2014/53/EU,2011/65/EU.

FCC compliance statement:

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This equipment may not cause harmful interference, and (2) This equipment must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this product not authorized by Seller could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.

This equipment is approved under Part 15.519 for handheld use.

The use of antennas not approved by Seller or outdoor structures, e.g., antennas mounted on the outside of a building or on a telephone pole, or any fixed outdoor infrastructure is prohibited. Antennas may be mounted only on the hand held UWB equipment.

UWB equipments may not be employed for the operation of toys.

Operation onboard an aircraft, a ship or a satellite is prohibited.

Limited Warranty

【Warranty information】

Hereby declares that this wireless equipment is in compliance with Directive 2014/53/EU,2011/65/EU.

Warranty does not apply to:

- Surface damage, such as scratches, dents and depressions.

- Consumables such as batteries, except if the product is damaged due to defects of materials or manufacturing processes.

- Damage caused by accident, abuse, misuse, inflow, flooding, fire or external factors.

- Damage caused from repairing by non-tangout authorized warranty personnel.

- Damage caused by modification or alteration of the Product without the seller's written consent.

In addition the seller reserves the right to refuse the warranty application for products or services obtained and/or used in violation of the laws of any country. This warranty provides you with specific legal rights, but this right may vary from region to region. The seller will not be responsible for any accidental, special, indirect or derivative damage (which may result from use misuse, don't know how to use or product defects). The seller reserves the right to overhaul or replace (new products or newly overhauled replacement products) equipment or software. This is the sole and exclusive remedy for any breach of the warranty terms. Please consult your local seller's authorized seller when applying for warranty service.

【Warranty card】

Product name (including spare parts)	Limited Warranty period
UWB Tag (as entire product)	1 year
Accessories (excluding charging cable)	5% - 95% No warranty

* Non-human factors, one-year warranty period; the cost of logistics (shipment) shall be borne by the user.

Note: If your equipment is purchased through a local seller, please contact the local seller for the warranty service acquisition method. If your equipment was purchased directly by the manufacturer, please get in touch via

Disclaimer: The UWB Tag is not intended to be used as a treatment for Covid 19 and also not as a protective equipment against contracting COVID-19. The UWB Tag is a social distancing equipment, can only be used in the context of social distancing and contact tracing between persons, any usage not related to social distancing are strictly prohibited. Depending on the design of usage/ environment and the way how it is used, there could be false positives due to tissue, walls, structures or other factors and false negatives due to bodily interference, electromagnetic interference or other factors. Tangout warranties that the UWB Tag performs to the requirements listed on the UWB Tag spec sheet. All sales are final.

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- The product is an auxiliary tool, which cannot replace any safety management system, measure and rescue solution for hazardous operation or supervision system and measure for operation management. Please do not reduce safety awareness while using the product, and timely change the product and check its operation state when the power is low.

- Measurement data and results of this product are for reference only, shall not be served as the basis for diagnosis and treatment. Products described in the Manual (including hardware and software) are all provided in the "current situation" within the maximum range allowed by the law. Unless required by the law, the Manual and all relevant products provide express or implied guarantee in any form, or compensate for any special, incidental, accidental or indirect damages caused by using the Manual or products of the Company.

- The Company does not undertake any responsibility for any damage to personal or property interests of one's own or third party caused by: failing to use the product according to the Manual and warning statement; the Company does not undertake any responsibility for any product operation abnormality, information disclosure or other problems caused by network attack, hacker virus, infection or other unknown risks due to Internet access during product use.

- The product promoting pictures and advertisements are used only for instruction and promotion. Physical products prevail in all cases.

RESPONSIBILITY STATEMENT

- The data in the Manual are all theoretical values obtained by the internal lab of TSINGCAL in specific testing environments. However, there may exist differences due to individual product differences, software version, using conditions and different environmental factors, and actual using conditions shall prevail in all cases.

- The Company will not send special notice in the case of being necessary to modify and adjust the above. For more information, please contact: info@tsingcal.com.