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Geoplan TR100 Potable UWB Device

Geoplan TR100 Potable UWB Device Instruction Manual

Contents

GEOPLAN™
PASSION FOR LOCATION

Geoplan TR100 Potable UWB Device

Specifications

- **Radio Transceiver:** UWB 8GHz (CH9)
- **Bluetooth:** BLE, 2.4GHz
- **Interface Support:** Button (1) – Push button, Sensor for motion detect, LED (1) – ACT (RGB flicking / Tag Activity)
- **Physical Characteristics:** Coin Battery, CR2450, 3.0V, 600mAh, Dimensions: 41 x 41 x 13 mm, Weight: N/A

Product Usage Instructions

Overview
The TR100 Tag is a portable UWB device and RTLS (Real-Time Locating System) Tag. It is based on NXP's SR040 Ultra Wideband (UWB) Transceiver & Qorvo's QPG6100 BLE MCU. The device includes a motion detector, a push button for event generation, and buzzer operation confirmation.

External Description
The TR100 Tag features a button and an LED. The button can be used for various functions like Test, Wake-up, Battery check, Tag Activity, and Tag Status. The LED indicates activity (ACT).

FAQ

1. **What is the power source for the TR100 Tag?**

   The power source for the TR100 Tag is a Coin Battery (CR2450) with a capacity of 600mAh and a voltage of 3.0V.

2. **How can I check the status of the device?**

   You can use the button on the device for functions like Test, Wake-up, and checking the battery status. The LED will also indicate the activity status of the tag.

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Overview

RTLS TAG TR100

- The TR100 Tag is based on NXP's SR040 Ultra Wideband(UWB) Transceiver & Qorvo's QPG6100 BLE MCU.
- The TR100 Tag is potable UWB device and RTLS(Real-Time Locating System) Tag.
- Functions included to improve location tracking performance include a motion detector, a push button for event generation, and buzzer operation confirmat ion.

Figure 1. RTLS Tag TR100

SPECIFICATIONS

TR100 Specification

Feature	Specification
Radio Transceiver	
UWB	UWB 8GHz(CH9)
Bluetooth	BLE, 2.4GHz
Interface Support	
Button (1)	Push button
Sensor	For motion detect
LED (1)	**ACT** (RGB flicking / Tag Activity)
Physical Characteristics	
Power Source	Coin Battery, CR2450, 3.0V, 600mAh
Physical Dimensions **(W** x **H** x **D)**	41x 41 x 13 mm
Weight	

TR100 External Description

Figure 2. TR100 external descriptions

Number	Feature	Descriptions
1	**Button**	Test / Wake-up / Battery check / Tag Activity / Tag Status
2	**LED**	LED indicates (ACT)

FCC

Compliance Statement

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.

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. 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 receiver.
- Connect the equipment into 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.

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

RF Exposure
This portable transmitter with its antenna complies with FCC RF exposure limits for general population / uncontrolled exposure.
FCC ID: 2ASPN-TR100

Documents / Resources

Geoplan TR100 Potable UWB Device [pdf] Instruction Manual
TR100 Potable UWB Device, TR100, Potable UWB Device, UWB Device, Device

References

- **User Manual**