

STG-832 SmartTAG

User Manual



WARNINGS

For customer in the U.S.A and Canada

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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.

Operation is subject to the following two conditions:

- 1) This device may not cause interference and
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

For customer in Europe

- This equipment has been tested and found to comply with the limits set out in the R&TTE Directive.



- Where you see this symbol on any of our electrical products/packaging in Europe, it means that at end of life the product/battery must be disposed of in accordance with any applicable laws or requirements for the separate disposal of electrical equipment/batteries.

- The manufacturer of this product is CADI Scientific Pte Ltd, 31 Ubi Road 1, #03-00 Aztech Building, Singapore 408694.

Cadi Scientific Pte Ltd
31, UBI ROAD 1
#03-00
AZTECH BUILDING
Singapore 408694
<http://www.cadi.com.sg>

PRECAUTIONS

- Keep batteries away from children.
- Do not swallow batteries.
- Do not throw batteries into water.
- Do not throw batteries into fire.
- Do not short-circuit batteries.
- Do not recharge batteries.

Description

The STG-832 SmartTAG is a battery replacement tag that can be worn on an infant to track its location. When used in conjunction with the STG-852 Patient/Mother-Tag, the SmartTAG can be matched to a Mother-Tag. When matched to a SmartTAG, the Mother-Tag can provide indication of an incorrect match when a wrong Infant is brought near the mother.

The STG-832 will periodically transmit RF signal or LF signal (optional). The RF and LF data packets consist of its unique tag ID and status. It is designed to work with other devices in the SmartSense system.

Accessories

- Proprietary Infant Tag Wrist Strap.
- CR 2050 coin cell battery.

Product Specification

The STG-832 SmartTag has the following requirements:

PRODUCT SPECIFICATION	
Product Model	STG-832
Operating Ambient Temperature	20.0 degC to 50.0 degC
Storage Ambient Temperature	20.0 degC to 50.0 degC
Power Source	1 x CR-2050 3V coin cell
Battery Life	3 Months
Operating Frequency (RF)	
UHF	US: 919.8MHz, 925.0MHz Europe: 868.4MHz
Transmission Range (UHF)	Up to 25m (Unblocked)/Typical Operating Range about 10m
Receiving Range w.r.t SMN-890	10m to 15m (line-of-sight)
Transmission Rate	Upon change in location/status or Every 2 min
Operating Frequency (LF)	
LF	125kHz (Receiving)
Transmission Range	2 - 5m (w.r.t. SMN-826)
Dimension	
Without Bracket	(39.5) x (36.5) x (15.0) mm
Mother-Infant Pairing (w.r.t. STG-852)	
LF	125kHz
Pairing Range	approximately 10cm
Mother-Infant Matching(w.r.t. STG-852)	
LF	125kHz
Transmission Range	15 - 30cm
Features	
Tamper-Resistance	Yes (only with WBN-STG-832/STG-833)
Loose Strap Alert	Yes (only with WBN-STG-832/STG-833)
Accessories	
Safety Wristband	WBN-STG-832
Battery Release Tool	REL-STG-832
Compliance	

CADI SCIENTIFIC PTE LTD



31 Ubi Road 1, #03-00 Aztech Building Singapore 408694
Company Reg No: 200300306W

Tel: (65) 6276 2676 Fax: (65) 6276 6216 www.cadi.com.sg
GST Reg No: 20-0300306-W

C.E.

- EN 300 220
- EN 300 330
- EN 301-489
- EN 55022:2006
- EN 61000-4-2
- EN 61000-4-3
- IEC 60950
- ISO 14971:2000/A1:2007

FCC

Part 15b/c

Battery Replacement

1)



Prepare a CR2050 coin cell battery and a battery cover as shown above

2)



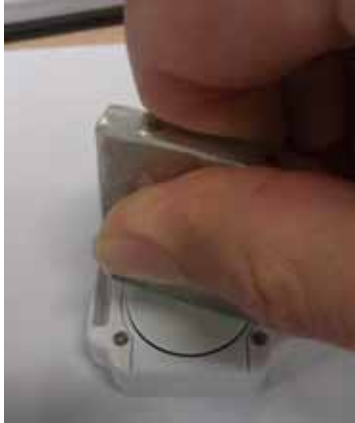
Place the coin-cell battery with positive terminal (+) face outwards.

3)



Adjust the battery cover as shown above (*triangle pointing at about 1'o clock*) so that >90% of the thickness of the cover is inserted into the casing (body).

4)



Press a little bit and turning clockwise for tightening. (*Approximately 10 degree, there is a stopper so won't overturn*).

5)



After tighten up the cover, it should be flush with the casing (body).
