STANLEY®
Healthcare

TAG/EXCITER DEPLOYMENT DEVICE

USER GUIDE

Draft3C

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Overview

The STANLEY Healthcare Tag/Exciter Deployment Device (TED) is a key component of the STANLEY Healthcare's visibility solution. The small portable hand-held device, with rechargeable battery, is used to activate and configure tags and measure the coverage of LF and US Exciters wirelessly.

TED connects directly to a PC via a USB cable or wirelessly using Bluetooth® to a PC or mobile device. The TED device utilizes the Hardware Manager Applications or mobile app to perform various tasks. Fast and easy activation, configuration, testing, temperature calibration and battery initialization of STANLEY Healthcare tags can be performed. Additionally TED configures, tunes, and measures the coverage area of LF and US Exciters.

Model

- SKU: TED-1000

Prerequisites

The Hardware Manager Application <u>must</u> be installed prior to using the TED device. See **Hardware Manager**.

Accessories Included

The following accessories are included with the TED device:

- Micro USB Cable 1.5 meters

- Cradle for mobile attachment

TED Descriptions

The following describes the parts of the TED device:

Front View
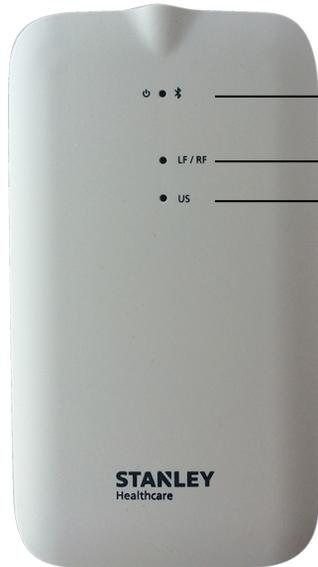
Back View

Power and
Bluetooth® LED

LF and RF LED

US LED

Rechargeable
battery casing
with screws

STANLEY
Healthcare
M/N: TED-1000
P/N 10022100000
FCC ID: Q3HTED
IC: 5115A-TED
HXXXX-SXXXXX
MAC: XXXXXXXXXXXX
Power : 5V ⎓ 1A
Contains FCC ID: VPYLBZY IC: 772C-LBZY
And FCC ID: PPD-AR4100 IC: 4104A-AR4100
"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."
See Manual Before Use   For indoor use only
www.stanleyhealthcare.com

Side View

Power and
Bluetooth®
On/Off Button

Buzzer for Audio
Indications

Top and Bottom View

US Receiver

Micro USB Port

TED Features

Tag Activator

The TED device detects, activates and configures wirelessly up to 80 STANLEY Healthcare tags simultaneously, including Bi-directional tags, using the Hardware Manager's Tag Manager or Tag Manager BD applications.

Tag Battery Tester

The device is able to quickly test tag batteries in the field, even in an environment where a Wi-Fi infrastructure is nonexistent.

Tag Battery Initialization

After a tag battery replacement, the TED device can be used to reset tag battery counters.

Tag Telemetry Data

The device is able to read tag humidity and temperature logs on the spot.

Exciter Detector

TED receives LF or Ultrasound (Gen 1 and Gen 2) messages transmitted by Exciters. These messages are displayed using the Hardware Manager's Exciter Detector Application. Exciter coverage area, Bad LF, Bad US (Noise Mode) and overlapping beams can then be evaluated.

LED and Audio Indications

TED includes 3 (three) multicolored LEDs and a buzzer for various status indications.

Rechargeable Battery

TED contains a rechargeable battery that is easily charged by connecting the device to a PC. The status of the battery can be viewed using the TED Device Manager Application, which is part of the Hardware Manager Application.

Connect via Bluetooth®

TED uses Bluetooth® 4.0 to wirelessly connect to a PC or mobile device. The device can then be controlled, wirelessly, using the Hardware Manager applications on the PC or the TED mobile app.

Easy Attachment Options

The device can be worn around your neck using a lanyard or clipped on a belt using the optional belt clip.

Micro USB Port

TED is supplied with a Micro USB cable used for PC connection and battery charging. The device automatically turns On once connected and turns Off when disconnected. USB drivers are automatically installed when TED is connected to a PC.

Mobile App (Future)

A TED Mobile app for iOS and Android is available. See……..

TED Indications

TED includes 3 (three) multicolored LEDs for visual indications and a buzzer for audio indications.

LED Indications

The LEDs are located on the front of the TED device:
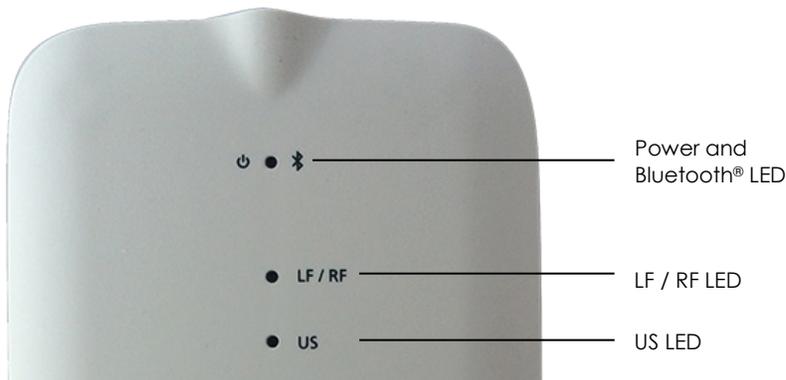
These indications are described in the table below.

The following symbols are used:

—   = Solid color

-        = Blink

Action	Power / BT LED	LF / RF LED	US LED	Comments
Power On	2 red blinks (- -)		2 green blinks (- -)	Simultaneous LED blinking when connected via USB.
Charging	Solid red (—)			When connected via USB.
Battery Full	Solid green (—)			When connected via USB.
Low Battery	Blinking red (- - - - - ………)			Continuous blinking
No Battery	Solid yellow (—)			When connected via USB
BT Pairing	Blinking blue (- - - - - ………)			Continuous blinking until Bluetooth connection is established.
BT Connected	5 blue blinks (- - - - -)			After Bluetooth connection is established.
Receiving and Transmitting			Blinking red (- - - - - ………)	During communication with tags.
LF Message		Blinking green (- - - - - ………)		On receipt of LF message.
Bad LF Message		Blinking red (- - - - - ………)		On receipt of Bad LF message.
Tag Configuration in process		Blinking yellow (- - - - - ………)		While tag configuration is in process.
US Message			Blinking yellow (- - - - - ………)	On receipt of US message
Noise Mode			Blinking red (- - - - - ………)	Continuous blinking during US Noise Mode

Buzzer Indications

The buzzer, for audio indications, is located on the side of the device:

Buzzer

Buzzer indications are described in the table below:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Hardware Manager

The Hardware Manager combines the suite of hardware configuration applications into one platform, removing the need to download and install separate applications.
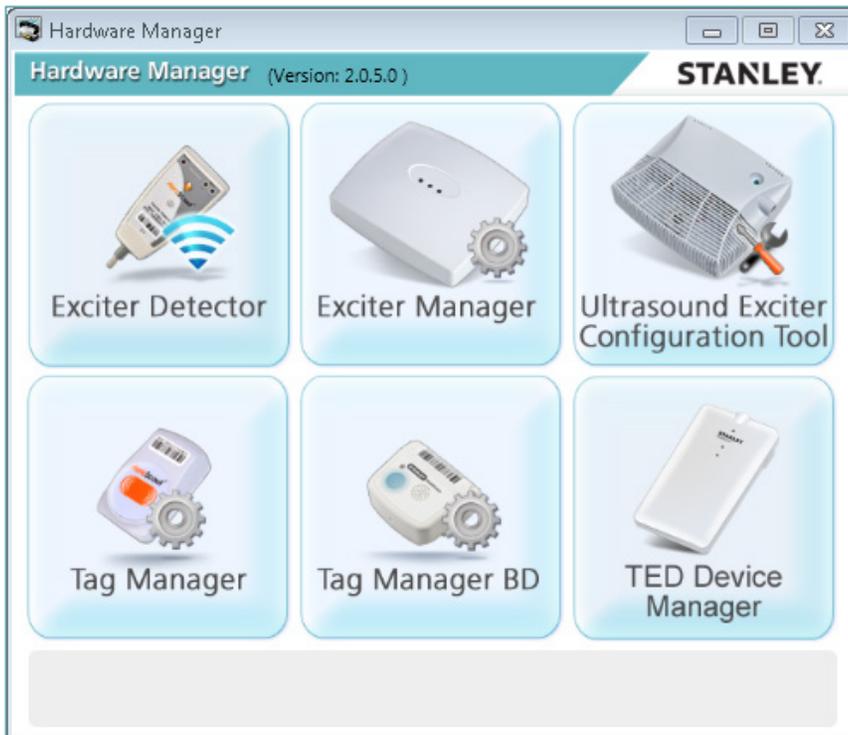
TED utilizes the following Hardware Manager Applications:

- **Tag Manager**: Used to activate and configure the following tag families: T2, T3, T4, T5, T6 and T7. For more information on the Tag Manager, please refer to articles 2906 and 2907 in the STANLEY Healthcare Knowledgebase.

- **Tag Manager BD**: Used to activate and configure the communication settings of STANLEY Healthcare Bi-directional Tags: T12 and T14. For more information on the Tag Manager BD, please refer to article 6025 in the STANLEY Healthcare Knowledgebase.

- **Exciter Detector**: Used to evaluate the range and coverage area of an exciter. For more information on the Exciter Detector, please refer to article 1517 in the STANLEY Healthcare Knowledgebase.

- **TED Device Manager**: Used to view the current status of the TED device, such as connection, battery and LEDs status. Additionally the application is used to update TED's firmware.

Installing Hardware Manager

Download and install the latest Hardware Manager Application:

- Hardware Manager Application Version 2 download, KB Article xxxx

- Hardware Manager Installation Guide, KB Article 2872

Charging the TED Device

The device is easily charged by connecting the supplied micro USB cable to a PC.

1. Connect TED to your computer using the supplied micro USB cable.

    ➢ Insert the smaller end of the cable to the micro USB port at the bottom of the device.

    ➢ Insert the USB end of the cable into an available USB port on your computer.

2. Device drivers are automatically installed the first time the device is connected to a PC.

3. The device is charging when the Power/Bluetooth® LED is solid Red.

4. Charging is complete when the Power/Bluetooth® LED is solid Green.

5. Remove the micro USB cable from the Device and PC once charging is complete.

Connecting TED via USB

The TED device is connected directly to a PC using the supplied micro USB cable.

1. Connect TED to your computer using the supplied micro USB cable.

    ➢ Insert the smaller end of the cable to the micro USB port at the bottom of the device.

    ➢ Insert the USB end of the cable into an available USB port on your computer.

2. Device drivers are automatically installed the first time the device is connected to a PC.

Connecting TED via Bluetooth®

TED can be connected, wirelessly, using Bluetooth® to a PC or mobile device.

Pairing TED with a PC

XXXXXXXXXXXXXXXXXXXXXX

Pairing TED with a Mobile Device

1. Activate Bluetooth® on the mobile device.

2. Turn On TED's Bluetooth® mode by holding down the side button for 3 seconds.

    The device's Bluetooth® LED starts blinking blue.

3. Select the TED device on the mobile device.

4. Enter in the passcode: STANLEY1234.

5. The device's Bluetooth® LED stops blinking blue once the mobile device and the TED device are successfully paired.

Activating and Configuring Tags

The TED device detects, activates and configures wirelessly up to 80 STANLEY Healthcare tags simultaneously, including Bi-directional tags.

The wireless tag management method consists of connecting TED to a PC or mobile, and arranging the tags in range of the TED device.

Connecting and Using Tag Manager

Before activating and configuring tags, the Tag Manager application must be connected to the TED device.

1. Make sure the Hardware Manager Application is installed. See **Installing Hardware Manager**.

2. Connect the TED device to the PC using the Micro USB cable.

3. Open the **Hardware Manager** Application.

4. Click on **Tag Manager**.
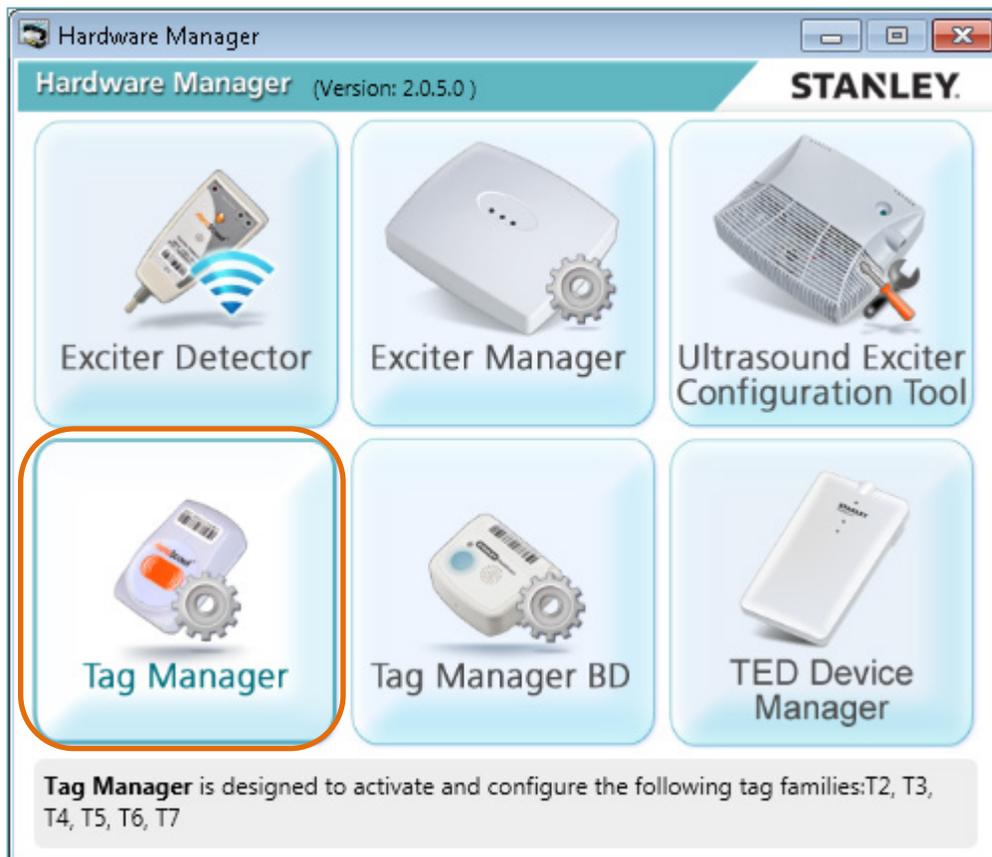
The Tag Manager application opens.

5. Under **Communication** select the **USB** Connection Type.

   A Connection Configuration message appears.

6. Click on **Yes** to proceed or **No** to cancel.
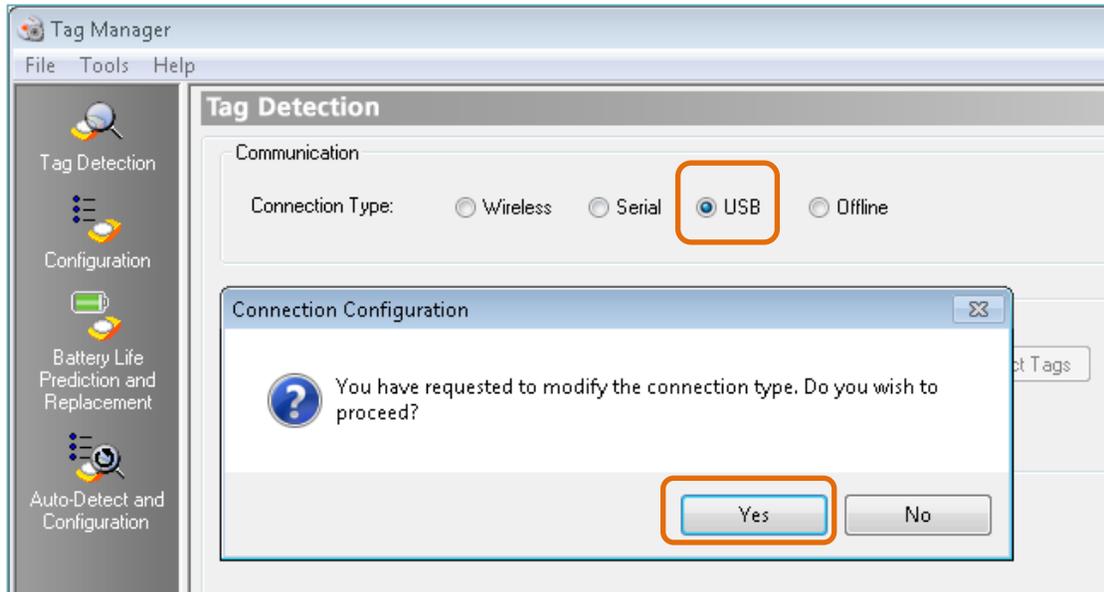
7. Tag Manager is now connected to the TED device.
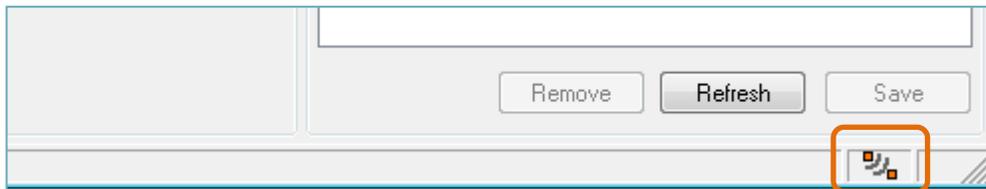
Tag Manager supports all tags including T2 Tags, T3 flat Tags T4 application Tags, T5 condition monitoring Tags and T6 GPS Tag. The procedure consists of detecting the tags and then configuring them. Configuration options become active and selectable according to the type of the tag.

For more information please refer to the *Tag Manager User Guide*, KB Article 2907.

Connecting and Using Tag Manager BD

Before activating and configuring tags, the Tag Manager BD application must be connected to the TED device.

1. Make sure the Hardware Manager Application is installed. See **Installing Hardware Manager**.

2. Connect the TED device to the PC using the Micro USB cable.

3. Open the **Hardware Manager** Application.

4. Click on **Tag Manager BD**.
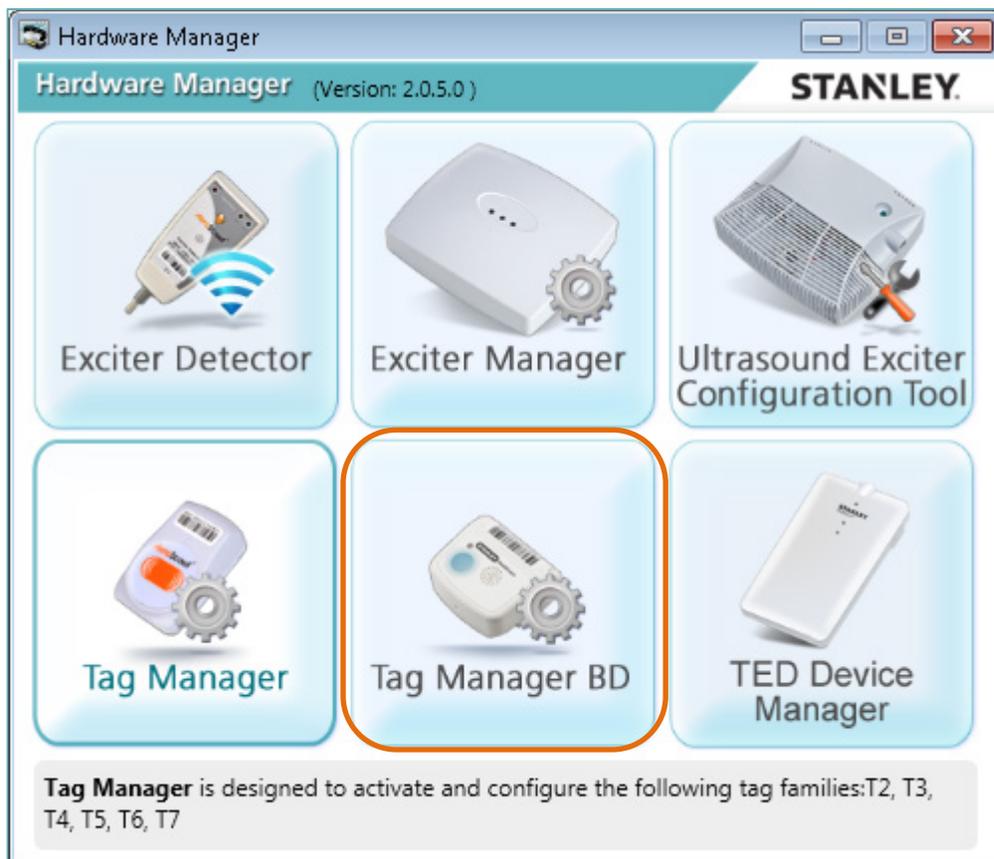
The Tag Manager BD application opens.

5. From the Menu bar click on **Communication** and select **Connect ▶ USB Interface**.
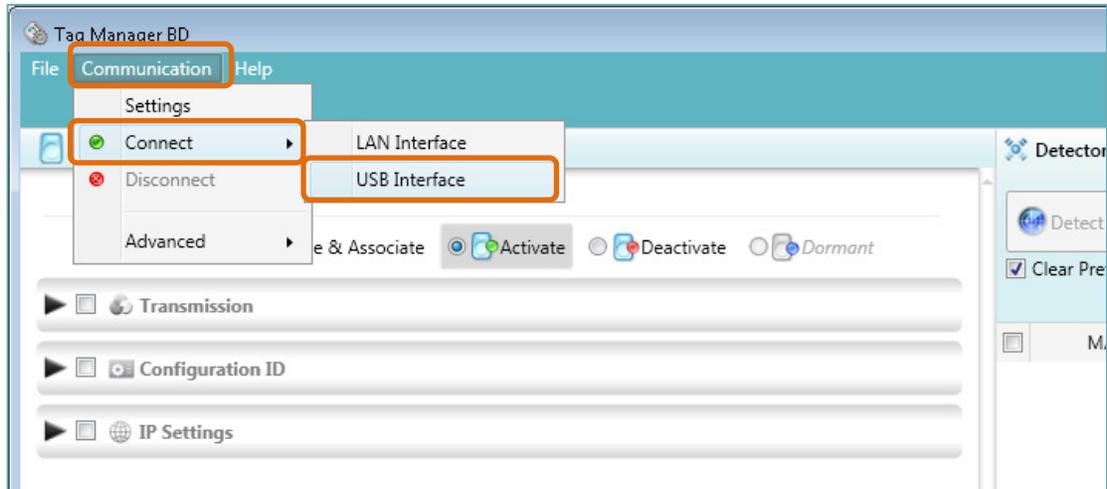
The Initializing Communication message appears.
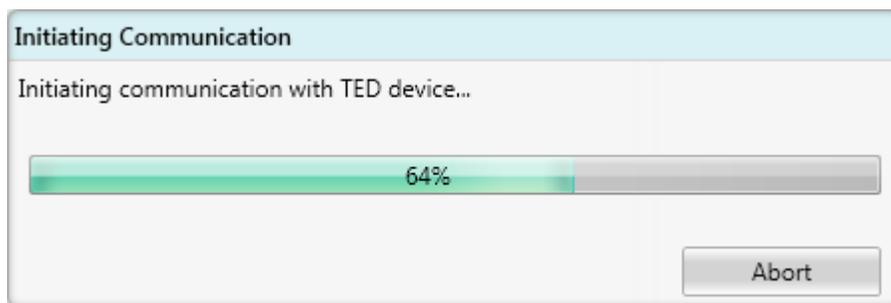
6. Tag Manager BD is now connected to the TED device.
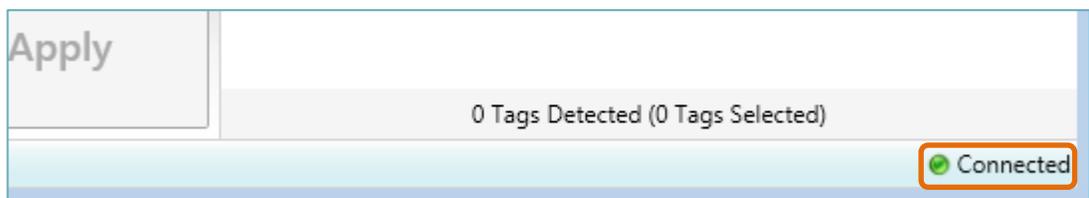
Tag manager BD is designed to activate and configure STANLEY Bi-directional Tags, such as the T12 and T14 Tags.

The procedure consists of detecting the tags and then configuring them. Configuration options become active and selectable according to the type of the tag.

For more information please refer to the *Tag Manager BD User Guide*, KB Article 6025.

Detecting Exciters

TED receives LF or Ultrasound (Gen 1 and Gen 2) messages transmitted by Exciters. These messages are displayed using the Hardware Manager's Exciter Detector Application. Exciter coverage area, Bad LF, Bad US (Noise Mode) and overlapping beams can then be evaluated.

The Exciter Detector application also maintains a log of all incoming Exciter messages. This file is created in the Exciter Detector installation directory.

Using TED to detect Exciters answers questions frequently asked by field engineers:

- Does the Exciter cover all the area is it supposed to cover?

- Does the Exciter unnecessarily cover an area larger than the area is it supposed to cover?

- Do the beams of multiple Exciters overlap?

- If they do, what is the extent of the overlapped area?

- Do ultrasound signals leak out the room?

Note	It is recommended to use the Detector Tag for more accurate Exciter range and coverage measurement. See >>>>

Configuring the Exciter Detector Application

The Exciter Detector Application needs to be configured before usage.

1. Make sure the Hardware Manager Application is installed. See **Installing Hardware Manager.**

2. Connect the TED device to the PC using the Micro USB cable.

3. Open the **Hardware Manager** Application.

4. Click on **Exciter Detector**.
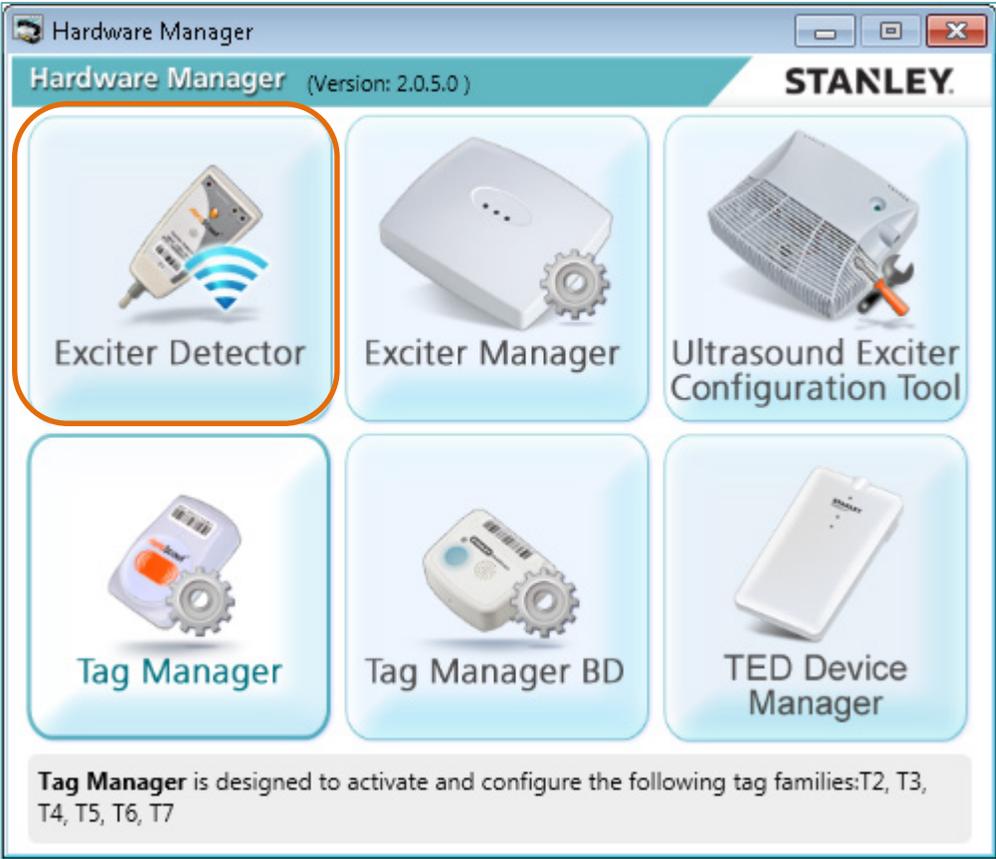
The Exciter Detector application opens.

5. From the Menu bar click on **File** and select **Configuration.**
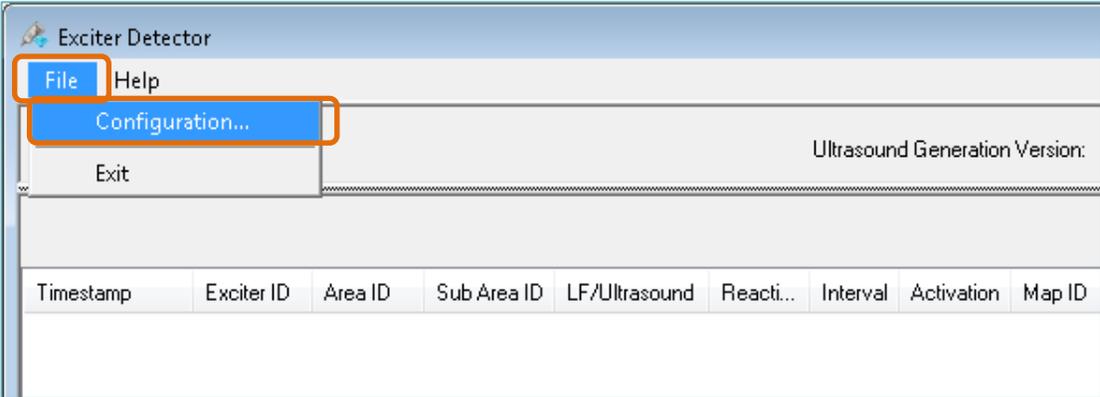
The Configuration dialog box opens.
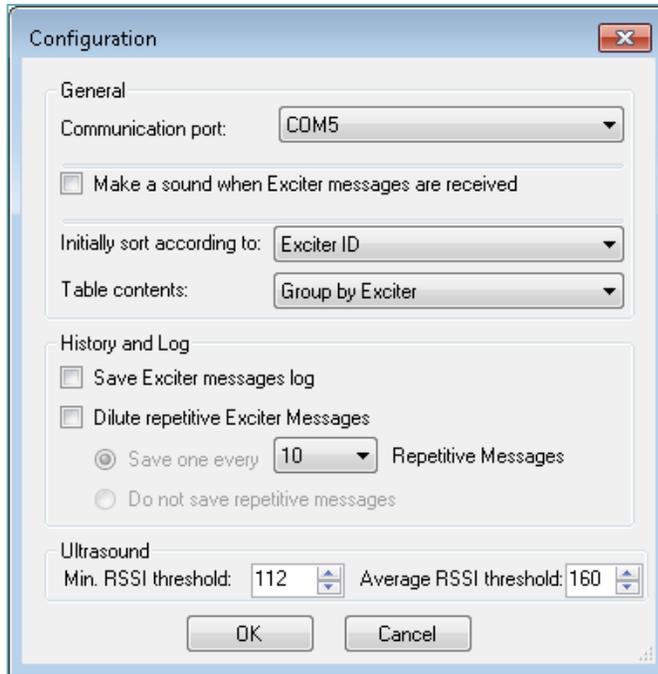
6. Enter the following information:

    Communication Port

    The device uses a Micro USB interface. Therefore, the port is a serial 'COM' port. By default, device communicates with the PC through the port shown in this field. You can change the port, if the USB driver was installed on a different port.

    Make a sound when Exciter messages are received

    Check this box to instruct the PC to emit a sound when receiving Exciter messages through the device, in addition to the blinking of the device's LED.

    Initially sort according to

    As the device receives messages, they appear on the Exciter Detector application screen. You can select to sort the messages according to one of the fields listed in this drop-down list.

    Table contents

    As Exciters transmit their messages at intervals measured in milliseconds, large numbers of messages accumulate in a matter of seconds. Selecting the Group by Exciter option reduces messages coming from the same Exciter to a single message. In this case, you will see the detection process in the quickly changing timestamp of the message. This grouping is useful when detecting overlapping beams or when testing an area containing a large number of Exciters. See **How to Detect Exciters.**

    Select "Complete log" to display all messages.

Save Exciter messages log

Check this box to save all incoming messages to a log file. The file is created in the Exciter Detector installation directory.

The log contains all the messages received in all sessions (it is not overwritten).

Dilute repetitive Exciter messages

Often large numbers of messages contain identical information. The "dilute" option allows you to consolidate several identical messages into one message to save to the log (the constantly changing timestamp is excluded from this analysis). If you select this option:

Select	To
Save one every	Specify the number of repetitive messages you want to consolidate. Identical messages may still be stored in the log if the consolidates messages themselves are identical.
Do not save repetitive messages	Save just one message and completely ignore all repetitive messages. The next message that will be stored will be one that contains different data.

Min. RSSI threshold

This parameter defines the threshold for a valid minimum RSSI indication. A value below the threshold will appear in red. For Generation 2 Exciters, this parameter represents the minimum for sub-area RSSI.

Average RSSI threshold

This parameter defines the threshold for a valid average RSSI indication. A value below the threshold will appear in red. For Generation 2 Exciters, this parameter represents the average for sub-area RSSI.

7. Click **OK.**

How to Detect Exciters

1. Make sure TED is connected to the PC via the USB cable.

2. From the Hardware Manager Application click on **Exciter Detector.**

   The Exciter Detector Application screen opens.
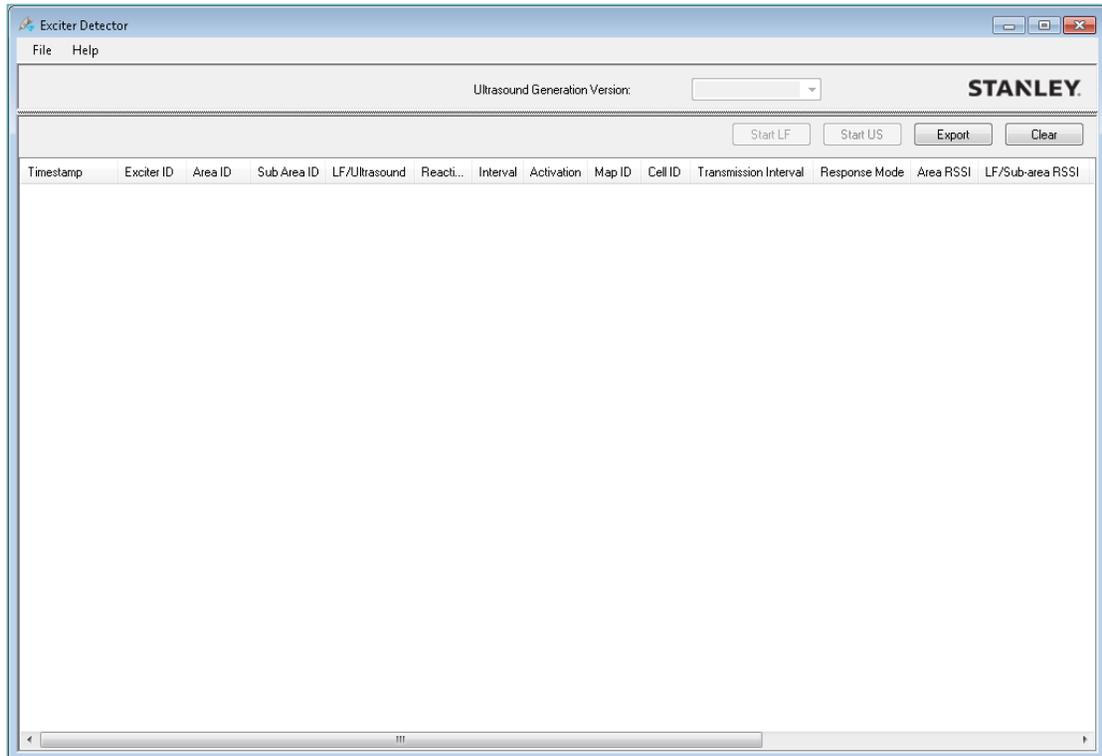
3. If necessary, change the configuration of Exciter Detector Application. See **Configuring the Exciter Detector Application**.

4. Click the **Start** button (when using LF, click the **Start LF** button. When using Ultrasound, press the **Start US** button. When using Noise Mode, press **Start Noise Mode).**

   The button changes to **Stop**.

5. The generation of the TED device is automatically be detected and displayed in Ultrasound Solution Version (generation 1 or generation 2).

   Note Generation 1 Exciter Detectors do not support Generation 2 Ultrasound Exciters.

   Generation 2 Exciter Detectors do not support Generation 1 Ultrasound Exciters.

6. Move near the Exciter.

When TED receives the LF or Ultrasound Exciter signals, the right or middle LED's start to blink and the Exciter messages begin to appear on the screen at a rate equal to the transmission interval of the Exciter. The messages are sorted and shown (in one group or as individual entries) according to the configuration settings.

When the Exciter Detector enters the coverage area of multiple Exciters (overlapping beams), multiple series of messages appear – one series for each Exciter. The last received message appears against a yellow background. If the messages are configured to appear as a single message, you will see as many messages as the number of Exciters detected, with a yellow stripe changing places and delivering a "blinking" effect, which allows you a better visualization.

7. Click the **Stop** button to stop the detection process.

Exciter Detection Messages

The messages that appear in the Exciter Detector application screen provide the following information:

Name	Description
Timestamp	The date and time when the message was received.
Exciter ID	The ID of the Exciter, in hex, 4 digits (leading zeros).
Area ID	The Area ID of the Exciter in decimal format.
Sub Area ID	The Sub-Area ID of the Exciter in decimal format.
LF/Ultrasound	This column display whether the signal is LF or Ultrasound.
Reaction	The expected tag reaction. In case the expected reaction is to send a stored message, the message number is shown.
TInterval	The estimated transmission interval of this Exciter. The Manager remembers the shortest interval between two reports from one Exciter. If only one report was received from this Exciter the value will be blank.
Activation	Whether the Exciter activates or deactivates the tag.
Map ID	Whether the Exciter changes the MapID on the tags.
Cell ID	Whether the Exciter changes the cell ID on the tags.

Name	Description
Transmission Interval	This parameter will indicate if the Exciter is configured to change the tag's transmission interval or stop its transmission. For example if the Exciter is programed to modify the tag's transmission interval to 5 seconds for a period of 10 seconds, the value in this field will be "modify to 5s for 10s. If the Exciter is not configured to modify the tag's transmission interval, meaning that the tag will keep using its permanent transmission interval, this will be indicated by the word "Perm" in this column.
Response Mode	Whether the Exciter changes the response mode of the tag (can be "Wait, Ensure, PSEM"), And the relevant interval.
Area RSSI	For Generation 1 Ultrasound Exciters: This parameter is not relevant. For Generation 2 Ultrasound Exciters: Indicates the received signal strength (in millivolts) of the 5 bits of the US signal which represent an area.
Sub-area RSSI	For Generation 1 Ultrasound Exciters: Indicates the received signal strength (in millivolts) of the US signal. For Generation 2 Ultrasound Exciters: Indicates the received signal strength (in millivolts) of the 5 bits of the US signal which represent a sub-area.
Min. US RSSI	The minimum US RSSI measurement received up to this point. For Generation 2 this calculation is based on the Sub Area column.
Avg. US RSSI	The average of US RSSI measurements received up to this point. For Generation 2 this calculation is based on the Sub Area column.
Battery Level	For Generation 2 only – indicates the battery level of the exciter (H – High / L - Low).
Transmission Mode	Whether the Exciter changes the transmission mode of the tag
Perimeter	Whether the Exciter is perimeter (1) or not (-) (applies to advanced CCX usage scenarios).
Category	The category parameter transmitted by the Exciter. Used for changing tag behavior in different scenarios (for example, bay separation).

Exporting and Clearing Messages

Click the **Export** button to export the messages accumulated so far to a comma-separate file.

Click the **Clear** button to clear the screen.
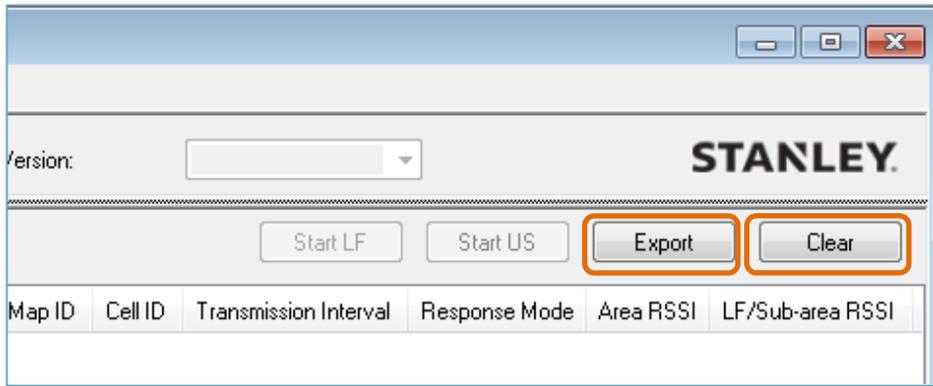
Using the TED Device Manager Application

The TED Device Manager Application, which is part of the Hardware Manager Application, allows you to view the current status of the TED device. Connection, battery, LEDs status and firmware version can be viewed. The application is also used for updating TED's firmware.
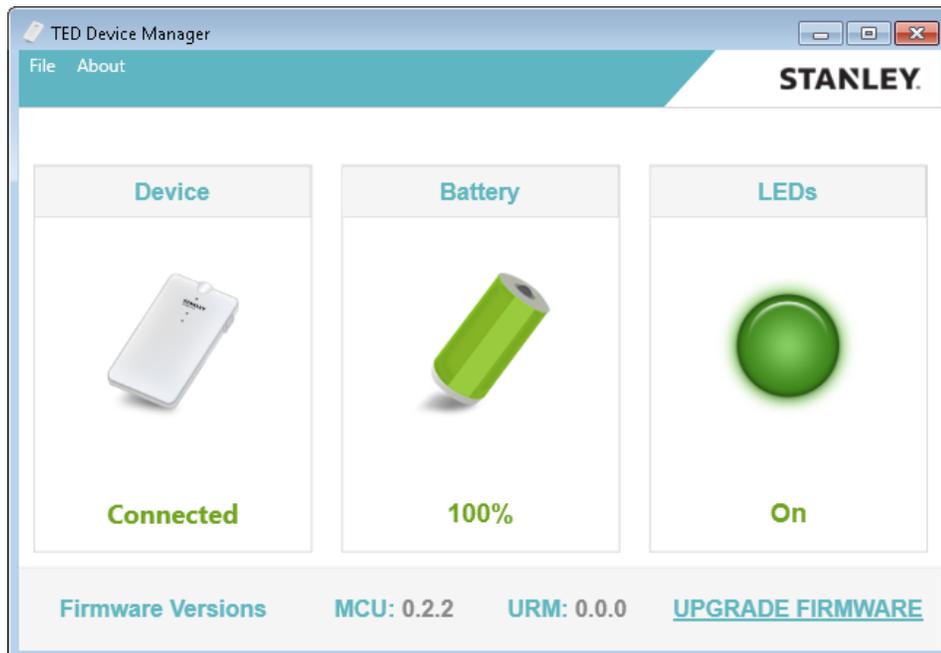
Viewing TED's Connection Status

1. From the Hardware Manager Application click on **TED Device Manager**.
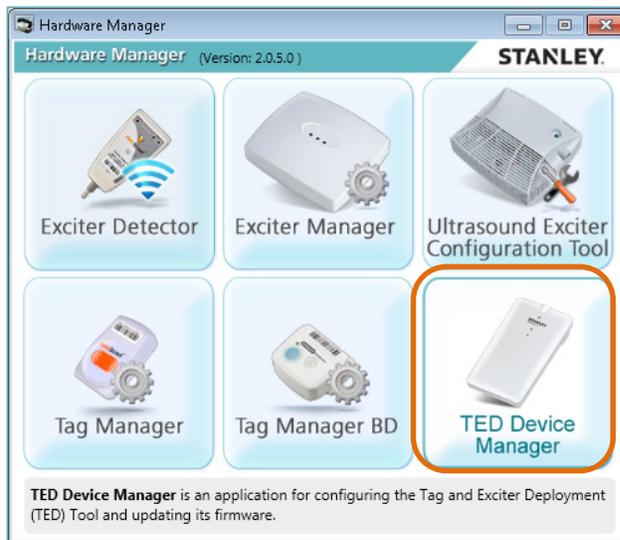
The TED Device Manager screen opens

2. **Connected** is displayed if the device is connected.

Disconnected is displayed if the device is disconnected.

Viewing TED's Battery Status

1. From the Hardware Manager Application click on **TED Device Manager**.

   The TED Device Manager screen opens.

2. TED's current battery status is displayed.

Viewing TED's LED Status

XXXXXXXXXXXXXXXXXXXXXX

Updating TED's Firmware

TED's firmware is updated using the TED Device Manager Application, which is part of the Hardware Manager Application.

1. Make sure TED is connected to the PC via the USB cable.

2. From the Hardware Manager Application click on **TED Device Manager.**

The TED Device Manager screen opens.
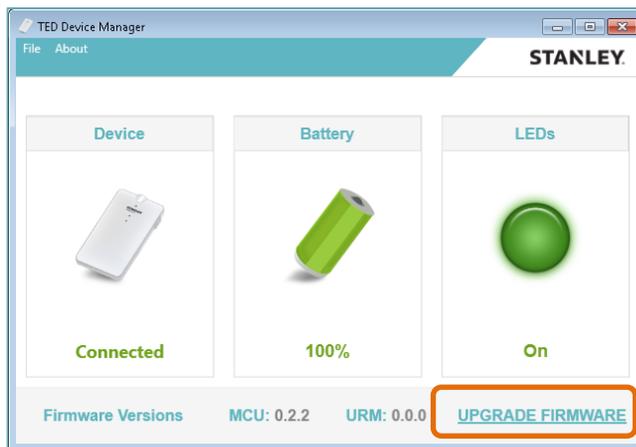
3. Click on **UPGRADE FIRMWARE**.

4. Locate the latest firmware and then click on **Upload**.

Resetting the Device

Device Maintenance

Battery

TED uses a rechargeable battery which can be replaced if needed.

⚠️ **CAUTIONS:**

- **RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.**
- **DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.**

To replace the battery:

1. Remove the panel by unscrewing the 4 case screws.

2. Remove the battery.

3. Install a new and approved battery in the battery holder.

4. Close and re-screw the panel.

Cleaning the Device

Cleaning the device can be done using Alcohol or Chloride based wipers only.

TED Accessories

Accessory	Model / KB Article
Micro USB Cable	SKU: XXXX
Belt Clip Kit	SKU: XXXX
Cradle for mobile	SKU: XXXX
T2s Detector Tag	SKU: TAG-2300-DT
Detector Tags Release Notes	8013
Detector Tags Quick Start Guide	7812
Tag Manager User Guide	2907
Tag Manager BD User Guide	6025
Tag Exciter Deployment Device Data Sheet	XXXX
Tag Exciter Deployment Device Release Notes	XXXX

TED Specifications

Performance

- **Detection Range**: Up to 3 meters
- Able to detect up to 80 tags in a single session

Physical and Mechanical

- **Dimensions**: 120mm x 68mm x 20mm (4.72in x 2.67in x 0.78in)
- **Weight**: 120g

Environmental Specifications

- **Charging Temperature:** 0°C to 45°C (32°F to +113°F)
- **Operating Temperature**: 0°C to 50°C (32°F to +122°F)
- **Humidity**: 0 to 95% RH non-condensing
- **Ingress Protection Rating:** IP-30

Electrical

- Micro USB Port
- Rechargeable Battery (Replaceable, if needed)

Radio

- Wi-Fi 802.11 (2.4 GHz); b/g/n compliant
- LF (Low Frequency Receiver 125kHz)
- **Transmission power**: up to +19dBm (~81mW)
- Bluetooth® 4.0
- US (Ultrasound Receiver 40KHz)

Security protocol

- WPA2 security with AES encryption

Audio

- **Buzzer:** Volume level 80dBA at 0.1 meter

Certification

- **Radio**: FCC Part 15, ETSI 300-328, 300-330, 301-489, RSS 210 (Canada), IEC 6100 / EN 60601
- **Safety:** CE EN 60950, cTUVus UL 60950, IEC 60601

Safety, Warnings and Warranty

FCC STATEMENT

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:
a) Reorient or relocate the receiving antenna.
b) Increase the separation between the equipment and receiver.
c) Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
d) Consult the dealer or an experienced radio/TV technician.

Operation is subject to the following two conditions:
a) This device may not cause harmful interference
b) This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning

Modifications not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC Rules.

WARNING: This device complies with Part 15 of the FCC Rules and RSS-210 of Industry and Science Canada. 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 device complies with Industry Canada license-exempt RSS standard(s). 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

STANLEY Healthcare ("STANLEY") Standard Warranty and Disclaimer
For STANLEY Healthcare AeroScout® Products ("Products")

Limited Warranty and Disclaimer. STANLEY warrants that commencing from the date of delivery to Customer and continuing for a period of one (1) year thereafter (the "Warranty Period"), the hardware components of STANLEY Healthcare AeroScout® Products (the "Hardware") will be free from defects in material and workmanship under normal use subject to the terms hereof. The date of shipment of the Hardware by STANLEY is set forth on the packaging material in which the Hardware is shipped. This limited warranty extends only to the original user of the Hardware. Customer's sole and exclusive remedy and the entire liability of STANLEY and its suppliers under this limited warranty will be, at STANLEY's or its service center's option, shipment of replacement Hardware components within the Warranty Period or a refund of the purchase price if the Hardware is returned to the party supplying it to Customer, if different than STANLEY, freight and insurance prepaid. STANLEY replacement parts used in Hardware repair may be new or equivalent to new, and STANLEY reserves the right to provide replacement Hardware components of similar form and function, as long as the functionality is equal or better than Customer's original Hardware components. STANLEY's obligations hereunder are conditioned upon the return of affected Hardware in accordance with STANLEY's then-current Return Material Authorization (RMA) procedures. Notwithstanding the foregoing, the warranty for TAG Hardware specifically designated for sterilization via autoclave or other sterilization methods shall have a warranty period of 350 sterilization cycles from the date of delivery; provided, however, that sterilization outside of environmental specifications approved in any applicable user documentation voids all warranties.

Extended Warranty: STANLEY offers an extended warranty, for a fee, on AeroScout products. Within the one (1) year of the standard warranty, additional warranty of two (2) years may be purchased. Additional warranty years may only be purchased once within the first one (1) year, or prior to warranty expiration. A maximum of three (3) total warranty years are available for Hardware.

Exclusions: The warranty set forth above will not apply if the Hardware or the Product (i) has been altered, except by STANLEY, (ii) has not been installed, operated, repaired, or maintained in accordance with instructions supplied by STANLEY, (iii) has been subjected to abnormal physical or electrical stress, misuse, negligence, or accident; or (iv) is provided for beta, evaluation, testing, or demonstration purposes for which STANLEY does not receive a payment of purchase price or license fee.

In addition, this warranty shall not cover the following:
- Batteries (other than DOA -Dead On Arrival).
- Plastics (including defects in appearance, cosmetics, decorative or structural items including framing and non-operative parts).
- Tag Calibration.
- Expenses related to removing or reinstalling the Products.
- Defects or damage that result from the use of Non-STANLEY certified Products, Accessories, Software or other peripheral equipment.
- Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by any party other than STANLEY, or its authorized service partners.
- **All software contained in or otherwise part of STANLEY Healthcare AeroScout® Products, which is covered by STANLEY's separate software warranty contained in the separate software license agreement with respect to such Products.**

The warranty set forth above shall not be enlarged and no obligation or liability shall arise out of STANLEY's rendering of technical advice, facilities or service in connection with Customer's purchase of the STANLEY Healthcare AeroScout® Products.

Except for the foregoing warranties, which shall be the exclusive warranties with respect to any Products, STANLEY MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESS OR IMPLIED, WRITTEN OR ORAL, REGARDING INFORMATION GIVEN OR THE PRODUCTS OR SERVICES SUPPLIED AND EXPRESSLY DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION ALL WARRANTIES AND CONDITIONS OF QUALITY, NON-INFRINGEMENT, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE TO THE EXTENT PERMITTED BY LAW. STANLEY WILL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, INDIRECT OR PUNITIVE DAMAGES FOR ANY CAUSE OF ACTION, WHETHER IN CONTRACT, TORT OR OTHERWISE. Consequential, incidental and indirect damages include, but are not limited to, lost profits, lost revenue and loss of business opportunity, whether or not STANLEY was aware or should have been aware of the possibility of these damages.

About STANLEY Healthcare

STANLEY Healthcare provides over 5,000 acute care hospitals and 12,000 long-term care organizations with enterprise solutions that transform safety, security and operational efficiency. The STANLEY Healthcare solution set enables customers to achieve organizational excellence and superior care in five critical areas: Security & Protection, Safety, Environmental Monitoring, Clinical Operations & Workflow, and Supply Chain & Asset Management. These solutions are complemented by consulting, training, implementation and integration services. STANLEY Healthcare is proud to be part of Stanley Black & Decker, Inc. For more information, visit: www.stanleyhealthcare.com

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