

# Hugs® Wi-Fi Tag Charger

User Guide





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# Introduction

## Overview

The Hugs on MobileView software notifies the users when the Hugs Tag battery is getting low. Placing the Hugs Tag in the charger erases all the history data from the tag, including the Kisses® bonding and the tag status. It also triggers MobileView to erase the specific patient admitting information.

## Model Numbers

The Hugs Tag Charger part number:

- CGS-HGS-1000

Based on the power supply outlet type:

- CGS-HGS-1000-U      U.S. outlet
- CGS-HGS-1000-E      European outlet
- CGS-HGS-1000-J      Japanese outlet
- CGS-HGS-1000-UK    U.K. Outlet

## Intended Use

The Hugs Wi-Fi Tag Charger is intended for facility staff who are using the Hugs Wi-Fi Tags in conjunction with the MobileView security application.

## Safety Considerations

- Position any trailing wires so that they are not a trip hazard and are less likely to get damaged.
- Check that the plug is not damaged and that the cable is properly secured with no internal wires visible.
- Where there is evidence that the supply may not be safe, such as damaged equipment or wiring, the supply should not be used until work has been done to correct this.

## Documentation

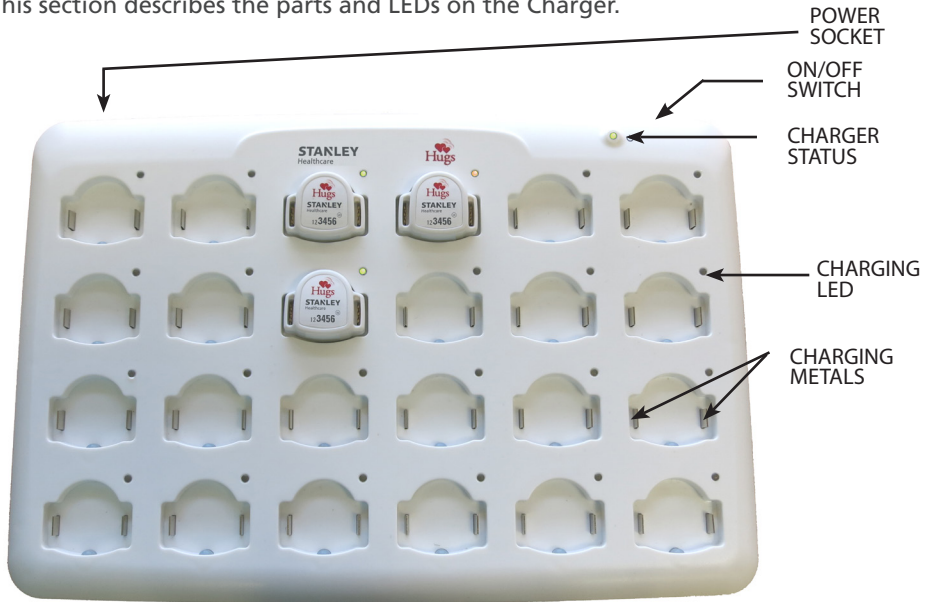
Please refer to the following document for technical specifications for the Hugs Wi-Fi Tag Charger.

- Hugs Wi-Fi Tag Charger Data Sheet p/n 0971-063-000

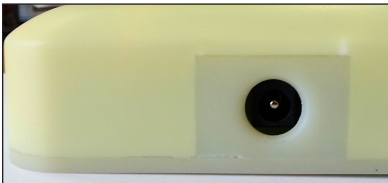
# Orientation

## General Description

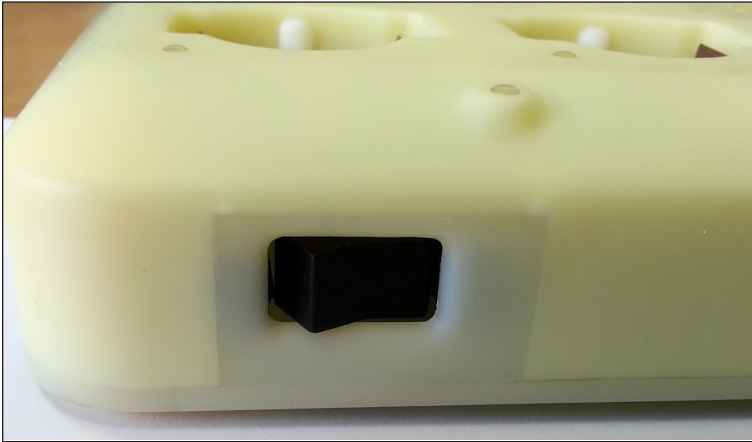
This section describes the parts and LEDs on the Charger.



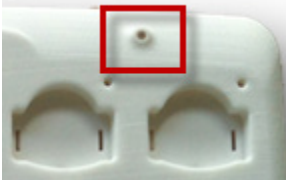
## Power Socket



The power socket is located at the top-left side of the Charger. An external power supply is provided with the Charger. For more information about the power supply, see “Supplies and Accessories” on page 15.

**ON/OFF Switch**

After the Charger is plugged in, press the ON/OFF switch to the ON position. When the Charger is not being used, press the switch to the OFF position.

**Charger Status LED**

The Charger status LED is located at the top-right on the front of the Charger. When the Charger is plugged in and turned on, the Charger status LED turns YELLOW.

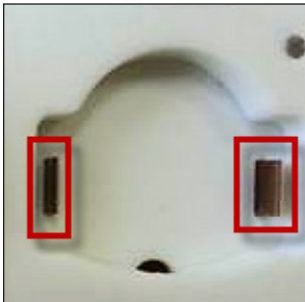
### Charging LED for Hugs Tag



**CHARGING LED:**  
Yellow when the Hugs Tag is correctly placed in the Charger

Each Hugs Tag impression in the Charger has its own charging LED (24 LEDs in total). There are three (3) available colors for the LEDs: GREEN, YELLOW and RED. For more information about the LED color indications, see “Operating and Display Modes” on page 5.

### Charging Metals



The charging metals are located on either side of the inside of the Hugs Tag impression. Charging for the Hugs Tag only begins once the charging metals are in contact with the metal in the tag slots



## Operating and Display Modes

The following table describes the LED indications for the Hugs Tag Charger.

Color	Description
GREEN	Battery is fully charged.
YELLOW	Charging in progress.
RED FLASHING	Issue with the Hugs Tag. Remove and replace the tag.
RED SOLID	Issue with the Charging slot. It is not necessary to unplug the Charger. An error may possibly be cleared by switching the Charger OFF then back ON again. If the issue continues, do not use the specific Charging slot. Other slots can be used for charging. Please contact Support.
OFF - NO COLOR	LED is does not turn on when the tag is placed in the slot- Remove the tag and replace it with a different tag. If the LED is still off, place the tag in another charging slot. If the LED is on (GREEN or AMBER) in the new slot then the problem is with the first charging slot. Do not use this slot to charge tags. If the LED in the new charging slot is off as well, then there is an issue with the tag. Discard the tag.
YELLOW	Located near the ON/OFF switch indicating the Charger is ON.

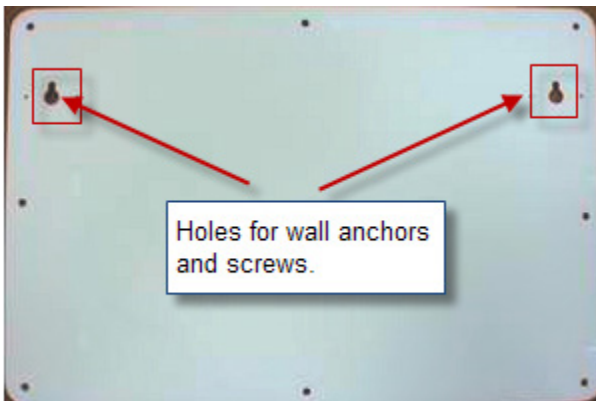
# Installing the Charger

The following items are included with the Hugs Tag Charger:

- two (2) #6 Philips head screws
- two (2) plastic wall anchors
- Mounting plate

## Wall Mounted

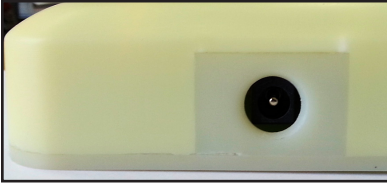
1. Establish a location on the wall for the Hugs Tag Charger.
2. Draw two (2) holes on the wall, at a level distance 262 mm apart, from center to center.
3. Drill two holes at the marked locations on the wall.
4. Insert the plastic wall anchors in the drilled holes.
5. Mount the plate and align the anchor holes with the wall anchors.
6. Using the supplied Philips head screws, securely screw the plate to the wall.



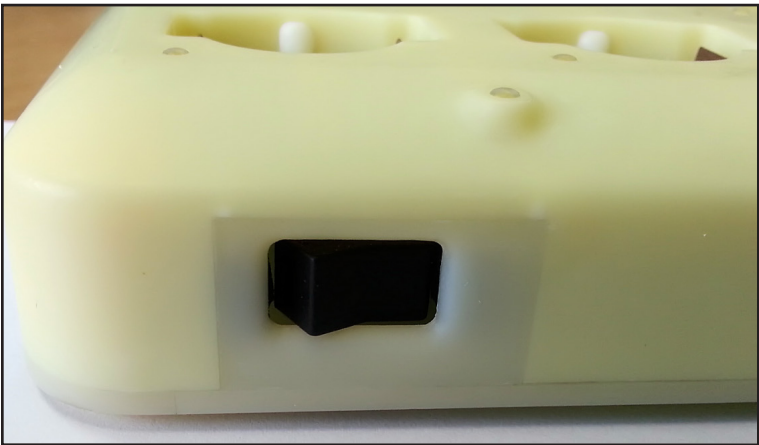
7. Optionally, use wood screws or other suitable wall mount hardware in the remaining holes on the plate.
8. Slide the Hugs Tag Charger onto the plate to mount it on the wall.

# Setting Up the Charger

1. Plug the supplied power cable into the power socket located on the side of the Charger.



2. Plug the other end into the wall external outlet (at least 12VDC @ 3A).
3. Press the ON/OFF switch to the ON position.



4. The Charger status LED turns YELLOW indicating that the Charger is now ready for use.

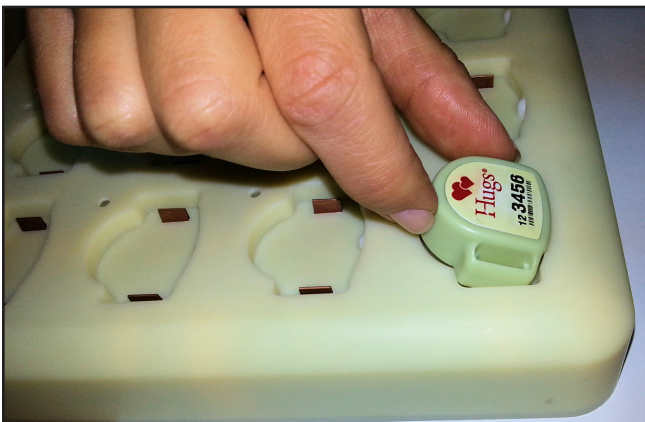
# Using the Charger

## Inserting the Tag into the Charger

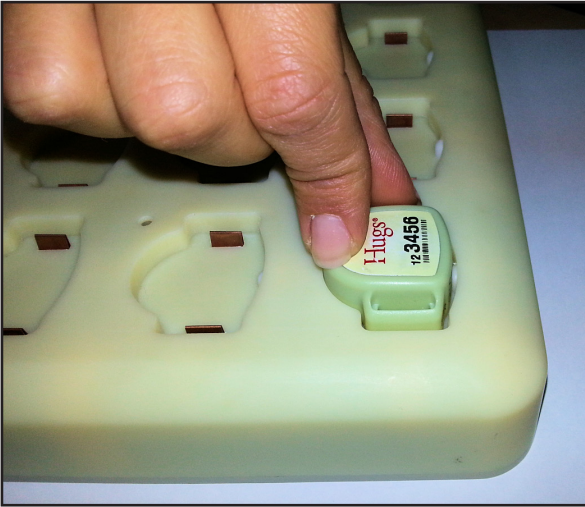
1. Ensure the Hugs Tag is clean to prevent contamination to the Charger.
2. Aim the bottom of the Hugs Tag towards the small bump located in the inferior portion of the tag impression in the Charger.



3. Push the tag and align the band slots to the charging metals.



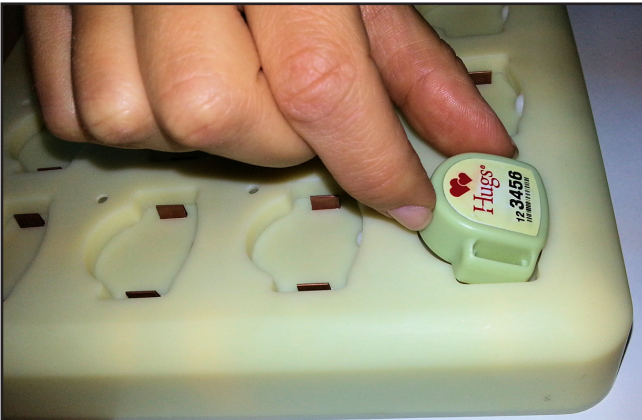
4. Push down firmly to insert the tag into the impression.



5. The status LED turns YELLOW, indicating that the Hugs Tag is now charging.

## Removing the Tag from the Charger

1. Push the tag towards the small bump and lift the tag out of the impression.



# Specific Charging Capabilities

## Overview

The battery charging process does not harm the Hugs Tag or its operational characteristics.

Charging the Hugs Tags that are connected (up to 24 units) to the Charger takes approximately 3 hours. Once charged, the Hugs Tag can be used for approximately 2 weeks. It is, however, recommended to place the Hugs Tag in the Charger between uses (ensure the tag is thoroughly cleaned first!).

The Charger updates (through an LF command) each of the tags "in charger" current battery capacity. This update is performed in steps of 5-10% until fully charged (100%).

The Charger transmits the following information to the tag:

- Charger ID
- Slot #
- Battery charging status
- Date/time
- Tag MAC address

**Note: The Charger is mechanically built to prevent tags from being inserted in the wrong direction.**

## Dimensions and Weight

- Size: 300 x 250 x 100 mm
- Weight: 1 kg (not including the tags which by themselves can weigh 1 kg)

# Hugs Tags States

State	Description
Dormant	<ul style="list-style-type: none"> <li>Initial state after manufacturing</li> <li>When the tag is not in use</li> </ul>
In-Charger	<p>When the Hugs Tag is placed in the charger:</p> <ul style="list-style-type: none"> <li>The Kisses bond information is automatically cleared.</li> <li>A Hugs Tag In-charger mode does not sense bands. Note: The tag must be removed from the charger to allow insertion of a band.</li> <li>Three Wi-Fi messages (assuming the tag has enough battery to transmit these messages) are transmitted indicating that the: <ul style="list-style-type: none"> <li>Hugs Tag is in the charger</li> <li>Bonding status is erased</li> <li>Hugs Tag is asleep</li> </ul> </li> </ul> <p>The Hugs Tags exit charging mode and enters into normal sleep mode when they are removed from the Charger (even if they are not fully recharged).</p>
Normal Sleep	<ul style="list-style-type: none"> <li>When the tag is not in use</li> <li>Kisses ignored</li> <li>When it is ready to be activated</li> <li>When it can be connected to a Charger</li> </ul>
Active - Band Connected	<ul style="list-style-type: none"> <li>The Hugs Tag is on a baby</li> <li>Able to bond in accordance to the bonding status: <ul style="list-style-type: none"> <li>Able to bond</li> <li>Bonded</li> <li>Not bonded (unable to bond)</li> </ul> </li> <li>Kisses accepted</li> </ul>
Active Alarm - Band Cut	<p>During a alarm from the band being cut, the following is true for the Hugs Tag:</p> <ul style="list-style-type: none"> <li>The tag is NOT on a baby</li> <li>The tag is able to bond in accordance to the bonding status: <ul style="list-style-type: none"> <li>Able to bond</li> <li>Bonded</li> <li>Not bonded (unable to bond)</li> </ul> </li> <li>Kisses accepted. Band can be reconnected</li> <li>Can be connected to Charger</li> </ul>
Sleep Alarm - Band Cut	<p>When the Hugs Tag alarms during sleep mode, the following is true:</p> <ul style="list-style-type: none"> <li>The tag is NOT on baby</li> <li>Unable to bond</li> <li>Kisses ignored</li> <li>Band can be reconnected</li> <li>Can be connected to Charger</li> </ul>

### Hugs Tag Behavior with Sensor Alarm

The Hugs tag handles alarms with a priority as follows:

1. LF Exciter message (Door Exciter or Kisses)
2. Tamper event
3. Kisses mismatch event
4. Standard Wi-Fi messages
5. Proximity event
6. Other event



# Maintenance

## Operational Checks

It is recommended to verify all LEDs are working by placing a Hugs Tag in each of the impressions, at least once a week. If, at any time, an LED fails to light up (even when you switch the Charger Off then On again), contact Support.

## Cleaning Instructions

The Hugs Tag Charger can be cleaned using a soft bristle brush. Follow these guidelines for cleaning the Charger:

- First, consult with your Infection Control representative for cleaners available to your hospital that have been approved for use on plastics.
- Use a disinfectant with no more than 20% alcohol or enzymatic cleaners with a mild pH such as Enzol or Maxizyme.
- Do not use pathogenic cleaners specified for TB.
- Do not soak the Charger.
- Do not use an autoclave to clean the Charger or serious damage may result.

Please refer to the table on the following page as a guideline for suggested cleaning materials and their preparation amounts.

NOTE: Cleaning products are currently being tested on the Charger. This document will be updated once the results are tabulated.

## Maintenance

#	Solution	Manufacturer	Preparation
1.	Super Edisonite	S. M. Edison Chemical Co	Per manufacturer's recommendation
2.	Vesphene® lise	Calgon Vestal Laboratories	Per manufacturer's recommendation
3.	Manu-Klenz	Calgon Vestal Laboratories	Per manufacturer's recommendation, (0.25 – 0.5 oz/gallon water)
4.	Coverage™ HBV	Calgon Vestal Laboratories	Per manufacturer's recommendation
5.	Formula C™	Diversey Corporation	Per manufacturer's recommendation
6.	Sporicidin®	Sporicidin International	Per manufacturer's recommendation
7.	Precise	Caltech	Per manufacturer's recommendation
8.	Dimension III	Butcher's	0.5 oz/gallon water
9.	Expose II 256	Diversey Corporation	0.5 oz/gallon water
10.	LpH Disinfectant Cleaner	Steris	0.5 oz/gallon water
11.	Phenolic 256 DC	Coastwide Lab	0.5 oz/gallon water
12.	Thymocide	Wexford Labs, Inc.	0.5 oz/gallon water
13.	Asepti-zyme	Huntington	1 oz/gallon water
14.	Detergezyme	Metrex	1 oz/gallon water
15.	Maxima 128	Bruhin	1 oz/gallon water
16.	Metrizyme	Metrex	1 oz/gallon water
17.	Wexcide 128	Wexford Labs, Inc.	1 oz/gallon water
18.	Professional Amphyl Hospital Bulk Disinfectant Cleaner	Reckitt Benckiser	1.28 oz/gallon water
19.	Virkon	DuPont	1.28 oz/gallon water
20.	Wexcide-Ready-To-Use	Wexford Labs, Inc.	Ready to use
21.	Hibiclens		25.6 oz/gallon water
22.	Staph-Attack		Not Applicable
23.	Compublend II (Base V with fragrance)	3M	
24.	Neutral QUAT Disinfectant Cleaner Concentrate	3M	

# Supplies and Accessories

The Hugs Tag Charger is shipped with the following components:

- 110/220V AC (autoselect)
- External power supply: at least 12VDC @ 3A
- Power cable (3 meters\*) replaceable and country-specific for the following areas:
  - Argentina
  - Australia
  - China
  - Europe (except Italy, Switzerland, and United Kingdom)
  - Italy
  - Japan
  - North America
  - South Africa, United Arab Emirates, India
  - South Korea
  - Switzerland
  - United Kingdom
- Folded base (for inclined standing option)
- Two (2) #6 Philips head screws
- Two (2) plastic wall anchors
- Mounting plate

**\*Note: In North America, AC power cords must not exceed 4.5 meters (approximately 14.75 feet) in length, to comply with National Electrical Code (NEC) Sections 400-8 (NFPA 75, 5-2.2) and 210-52 and Canadian Electrical Code (CEC) Section 4-010(3).**

# Compliance and Safety

- UL 60950
- EN 60950 - Directive – RTTE (1999/5/EC)
- LVD (2006/95/EC)
- UL STD 294
- IEC/EN 60601-1-3
- ISO 14971
- ROHS (Directive 2011-65-EU/EC)

## Federal Communication Commission (FCC)

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:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and receiver.
- 3) Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician.

**WARNING!** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

*This device complies with FCC Rules Part 15 and with Industry Canada licence-exempt RSS standard(s). Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.*

*Le present 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, meme si le brouillage est susceptible d'en compromettre le fonctionnement.*





## 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 EcoSystem enables customers to achieve organizational excellence and superior care in five critical areas: Patient Safety, Security & Protection, Environmental Monitoring, Clinical Operations & Workflow and Supply Chain & Asset Management. These integrated solutions are complemented by consulting, training and Transformational Lean™ process reengineering. STANLEY Healthcare is proud to be part of Stanley Black & Decker, Inc.

For more information, visit [www.stanleyhealthcare.com](http://www.stanleyhealthcare.com).

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STANLEY Healthcare  
130 Turner Street, Waltham, MA 02453

Phone: +1-888-622-6992  
Email: [stanleyhealthcare@sbdinc.com](mailto:stanleyhealthcare@sbdinc.com)