



Buddi Technical and User Publications

Device Installation Guide

Smart Tag

Publication release date 03/2024 version 5.0_2.0



Smart Tag



Introduction

Use this guide to assist with set-up and operation of Smart Tag. The Smart Tag is intended to be fitted for extended periods and can be charged with a tethered or un-tethered OBC. GPS wearer location and strap alerting is automatic when the device is charged.

Smart Tag can provide wearer alerts and reporting for location tracking and proximity to known devices. Wearer alert types can action notifications sent to a smart device, SMS or email or vibration feedback within the Smart Tag on the subject and to the monitoring software system.



Equipment



1 Smart Tag



2 On-Body Charger (OBC)



3 OBC Charging Dock



4 Tethered On-Body Charger (OBT)**



5 Field Officer kit:-

- Release tool
- Measuring tape
- Locking plates
- Optical straps*
- Buddi bag and strap roll

* The Field Officer kit can carry 10 optical straps

** Equipment supplied may contain a tethered charger option

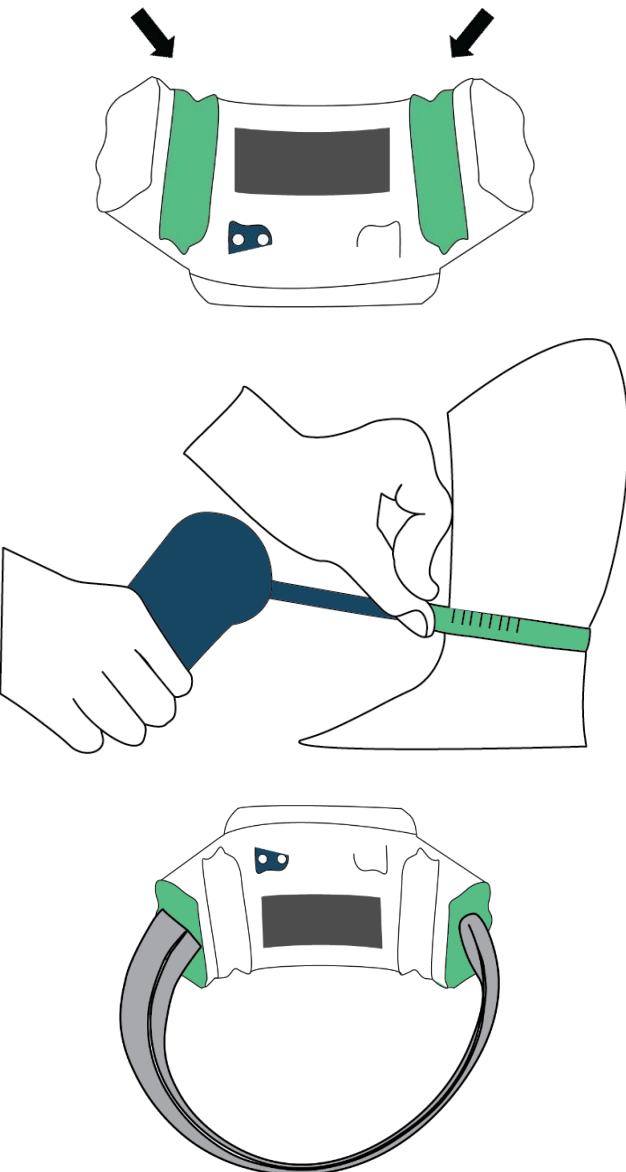
Set-up Smart Tag

Make sure Smart Tag is ready for operation; charged and tested for communication response, before instalment.

!Info Space between the strap and the wearer should allow enough movement for cleaning, charging and general comfort

!Info Fitted device vibration alerts and notifications are set-up in the wearer profile and are not active by default – Refer to the Eagle User Guides

!Info Refer to the Smart Beacon or Smart ID “Device Installation Guide” for RF monitored Smart Tag installation



A Assemble Smart Tag on the wearer

!Info The device locking plates, wearer strap and measuring tool are provided in the Field Officer kit

- Place two locking plates into the Smart Tag rear section clips
- Use the measuring tool to find the ankle size of the wearer – the measuring tool is marked to correspond with strap sizing for the device – the size is marked on the clasp at the end of the strap
- !Info** Take more than one measurement of the wearer with one at 90° to the wearer heel to get a full representation of the wearer ankle size
- Make a note of the device UBIN number and strap size in use for set-up in the wearer profile – refer to the Eagle User Guides
- Fit the strap into the Smart Tag at one side
- Wrap the strap with fitted Smart Tag around the ankle of the wearer – connect the free end of the strap into the Smart Tag to complete assembly
- !Info** Listen for 2 ‘click’ sounds when fitting the strap to the device – pull the strap to make sure that it securely engages inside the Smart Tag

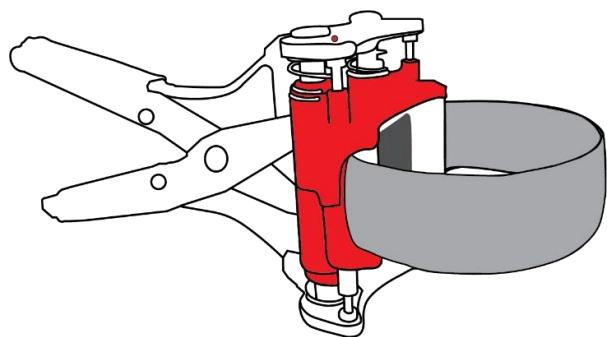


Release Smart Tag

B

Release Smart Tag from the wearer

!Info *The device will issue a strap alert if it is still assigned to the wearer profile in the monitoring system when released*



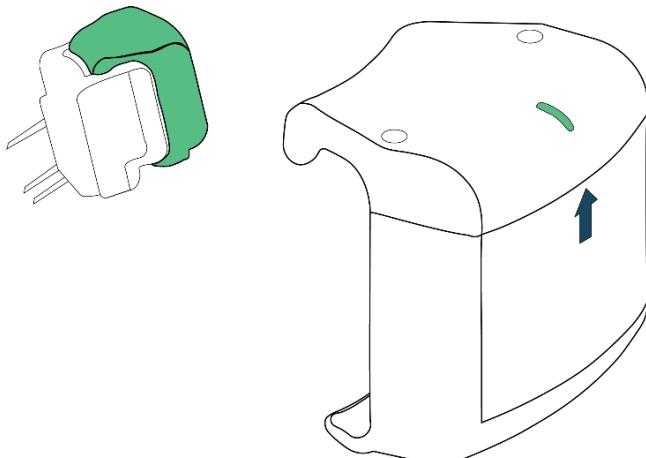
- Open the Release tool by pulling the handles out and position the open jaws centrally over the Smart Tag
- Close the tool firmly by squeezing both handles
- Pull one of the strap ends out the Smart Tag device – on the side of the tool with the red dot and arrow – to release it from the wearer
- Re-fit the tool on the Smart Tag in the opposite direction to remove the strap completely from the Smart Tag

!Info *Discard all used locking plates when the device is released from the wearer*

!Info *Clean the device when released and store in stand-by or recharge for the next instalment*



Charge Smart Tag



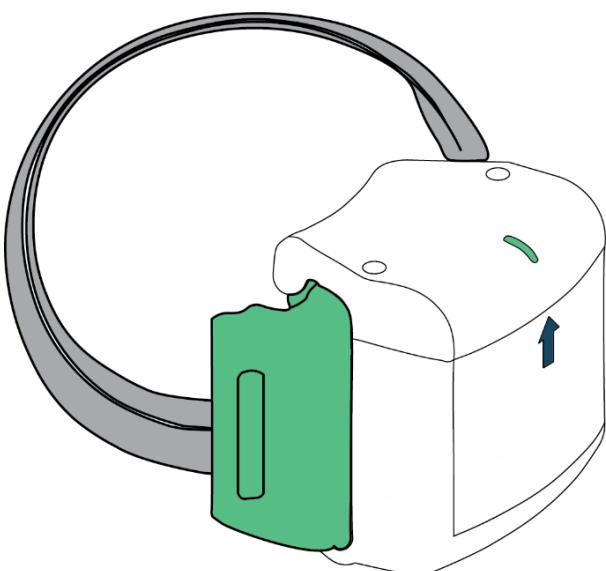
C

Charge the Smart Tag On-Body Charger (OBC) using the OBC Dock - the OBC LED will indicate when the OBC is fully charged

!Info *Inform the wearer how to charge the device and if fitted device wearer alerts are active*

- Plug the Smart Tag OBC Dock into a mains – place the OBC onto the dock to charge
 - LED green flash – OBC is charging
 - LED green solid – OBC is fully charged
 - LED green blink (flash intermittent) – OBC is ready to charge the Smart Tag

!Info *4 hours (approximately) is the time required to fully charge the Smart Tag OBC (0% to 100%)*



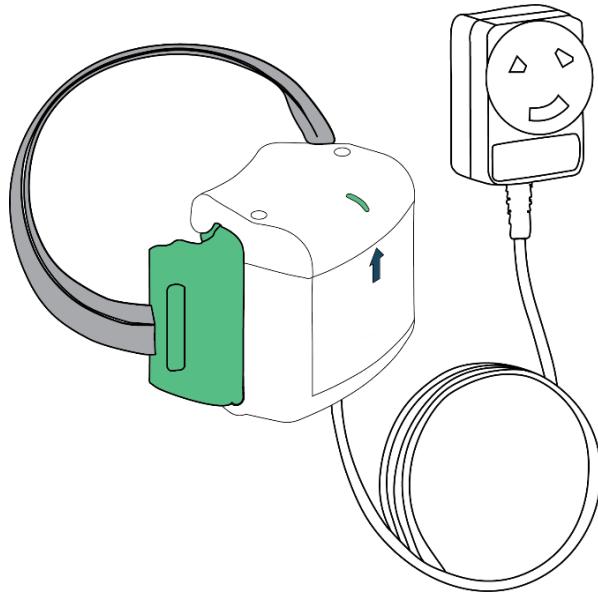
D

Charge Smart Tag with the OBC – the Smart Tag OBC LED will indicate when Smart Tag is fully charged

- Place the OBC over the top of the Smart Tag – the OBC will clip onto the device to secure it during charging
 - LED green blink (flash intermittent) – Smart Tag is charging
 - LED green flash – Smart Tag is fully charged

!Info *2 hours (approximately) is the time required to fully charge the Smart Tag (0% to 100%)*

!Info *Charge the Smart Tag every 24 hours*



E

Charge Smart Tag with the tethered OBT - the Smart Tag OBT LED will indicate when Smart Tag is fully charged

- Plug the OBT into a mains socket
- Place the OBT over the top of the Smart Tag – the OBT will clip onto the device to secure it during charging
 - LED green fade – Smart Tag is charging
 - LED green flash (slow) – Smart Tag is fully charged

!Info 2 hours (approximately) is the time required to fully charge the Smart Tag (0% to 100%)



Regulatory Information

FCC Warning

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.

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

Note: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This Smart Tag 5 meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

The SAR limit of USA (FCC) is 4.0W/kg averaged over one gram of tissue. Device types: Smart Tag 5 (FCC ID: ZDLST11) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for Limb is 2.403W/kg. This device was tested for typical body-worn operations with the back of the device kept 0mm from the Limb. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's Limb and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained the user's body, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.



ISED Statement

This device complies with ISED's licence-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.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment for portable use. End users must follow the specific operating instructions for satisfying RF exposure compliance. No changes shall be made to the equipment without the manufacturer's permission as this may void the user's authority to operate the equipment.

The SAR limit of USA is 4.0W/kg averaged over one gram of tissue. Device types: Smart Tag 5 (IC: 20371-ST11) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for Limb is 2.403W/kg. This device was tested for typical body-worn operations with the back of the device kept 0mm from the Limb. To maintain compliance with IC RF exposure requirements, use accessories that maintain a 0mm separation distance user's body. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with IC RF exposure requirements, and should be avoided.

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained the user's body, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

Ce dispositif est conforme à la norme RSS exemptée de licence de l'ISED. L'opération est soumise aux deux conditions suivantes: (1) ce dispositif peut ne pas causer d'interférence, et (2) ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer le fonctionnement indésirable de l'appareil.

Cet équipement est conforme aux limites d'exposition au rayonnement d'ISED établies pour un environnement non contrôlé à usage portable. Les utilisateurs finaux doivent suivre les instructions d'utilisation spécifiques pour satisfaire à la conformité à l'exposition aux RF. Aucune modification ne doit être apportée à l'équipement sans l'autorisation du fabricant, car cela pourrait annuler l'autorisation de l'utilisateur d'utiliser l'équipement.

La limite du das des États-Unis est de 4,0w /kg en moyenne sur un gramme de tissu. Types d'appareils: Smart Tag 5 (IC: 20371-ST11) a également été testé contre cette limite de das. La valeur de das la plus élevée déclarée en vertu de cette norme lors de la certification du produit pour Limb est de 2.403w /kg. Cet appareil a été testé pour des opérations typiques portant sur le corps avec le dos de l'appareil à 0mm du membre. Pour maintenir la conformité avec les exigences d'exposition RF IC, utiliser des accessoires qui maintiennent une distance de séparation 0mm corps de l'utilisateur. L'utilisation de clips de ceinture, de étuis et d'accessoires similaires ne doit pas contenir de composants métalliques dans son assemblage. L'utilisation d'accessoires qui ne satisfont pas à ces exigences peut ne pas être conforme aux exigences d'exposition aux RF IC et devrait être évitée.

Ce dispositif a été testé pour des opérations corporelles typiques. Pour se conformer aux exigences d'exposition RF, une distance de séparation minimale de 0mm doit être maintenue le corps de l'utilisateur, y compris l'antenne. Les attaches tierces, étuis et accessoires similaires utilisés par ce dispositif ne doivent pas contenir de composants métalliques. Les accessoires corporels qui ne répondent pas à ces exigences peuvent ne pas être conformes aux exigences en matière d'exposition aux RF et devraient être évités. Utilisez uniquement l'antenne fournie ou une antenne approuvée.