



Buddi Technical and User Publications

Device Installation Guide

Alco Tag

Publication release date 10-2025 : v.1.6_1.0



Alco Tag



Introduction

Alco Tag is a small, rugged device with alcohol intake monitoring, GPS tracking and RF curfew functionality. Alco Tag includes sensors for shielding detection, barrier detection and optical strap monitoring.

The Alco Tag is intended to be fitted for extended periods and can be charged using a tethered or un-tethered OBC (On-Body Charger) and OBC Dock.

Wearer GPS location and strap tamper alerts are automatic when the device is charged.

Alco Tag alerts can action; notifications to the Eagle Portal monitoring software system, or vibration feedback within the Alco Tag to the device wearer.

Alco Tag is equipped with an alcohol monitoring feature which will automatically initiate an integral air pump to measure intake of the wearer. Shielding of the unit or placing a barrier in between the unit and leg is automatically detected and reported to the Eagle Portal monitoring software.



Equipment



1 Alco Tag



2 Alco Tag On-Body Charger (OBC)



3 Alco Tag OBC Dock*

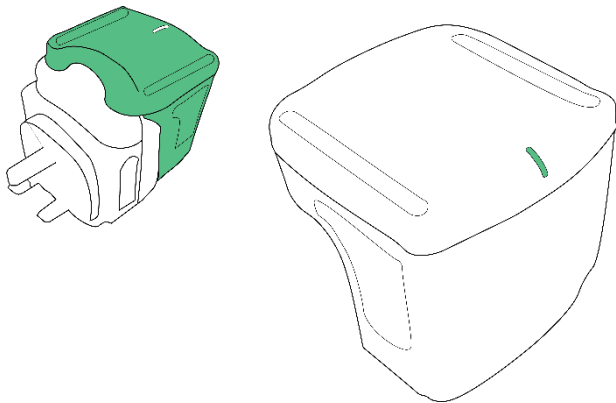


4 Field Officer Kit: -

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

* The Alco Tag OBC Dock has plug pins suitable for regional applications

Charge Alco Tag

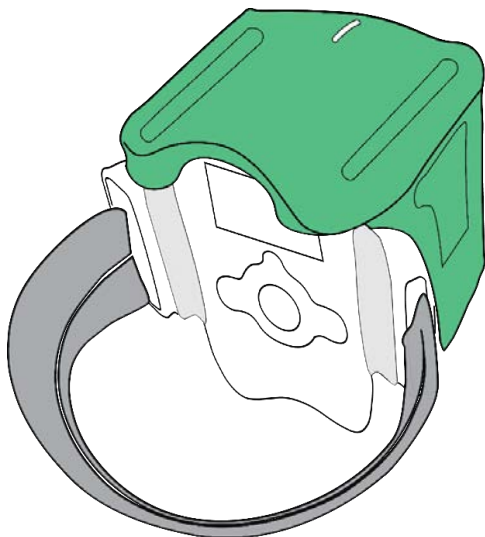


A Charge the Alco Tag OBC using the Alco Tag OBC Dock

- Plug the Alco Tag OBC Dock into a mains socket
- Place the Alco OBC onto the dock - the charger LED will indicate when the Alco OBC is fully charged
- LED green flash (fast) – OBC charging
- LED green solid – OBC fully charged
- LED green flash (slow) – OBC is ready to charge the Alco Tag (OBC not on dock)

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

6 hours (approximately) is the time required to fully charge the Alco Tag OBC (0% to 100%)



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

- Place the Alco OBC over the top of the Alco Tag – the Alco OBC will clip onto the device to secure it during charging
- LED green fade – Alco Tag charging (OBC on tag)
- LED green flash (slow) – Smart Tag is fully charged (OBC on tag)

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

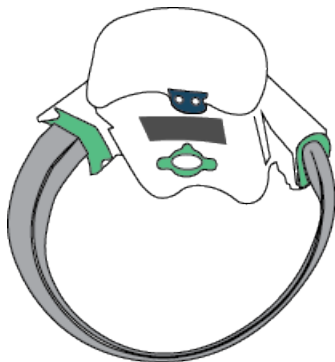
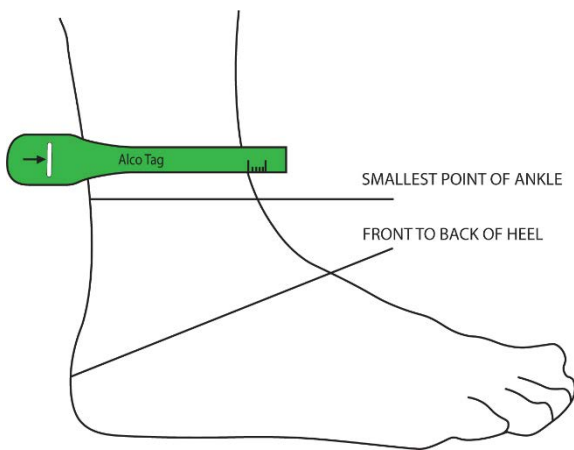
Charge the Alco Tag every 24 hours

Set-up Alco Tag

Make sure Alco 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

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



C Measure ankle for strap size

- 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

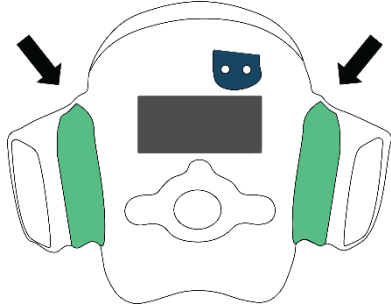
!Info Take more than one measurement of the wearer with one at 90° to the wearer heel to get a full representation of the wearer ankle size

- 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

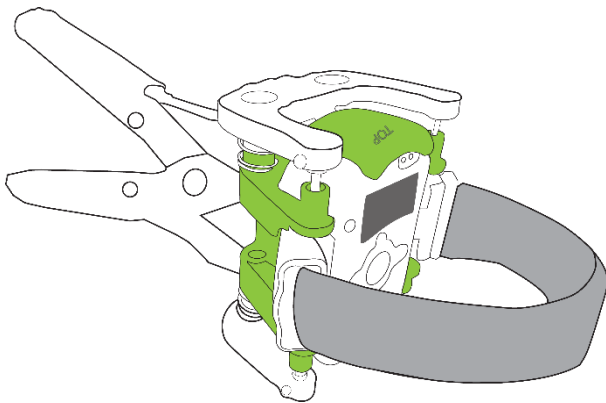
D Conduct strap test fit for size and comfort

- Fit the strap into the Tag at one side
- Wrap the strap with fitted Tag around the ankle – connect the free end of the strap into the Tag to test the fit – visually check the size is comfortable and cannot be removed

Repeat as necessary to identify the correct strap size



Release Alco Tag



E Assemble Tag on wearer

- Place two locking plates into the Tag rear section clips – make sure that the internal hoops are fully intact

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

Listen for 2 'click' sounds at each strap end when fitting to the device

F Release Alco Tag from 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 Alco Tag – make sure the 'TOP' part of the tool is fitted over the device with the charging pins at the top
- Close the tool firmly by squeezing both handles
- Pull both strap ends out of the Alco Tag device to release it from the wearer

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

Clean the device when released and store in stand-by or recharge for the next installation



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.

Specific Absorption Rate (SAR) information:

This Alco Tag 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.

FCC RF Exposure Information and Statement

The SAR limit of USA (FCC) is 4.0 W/kg averaged over one gram of tissue. Device types:

Alco Tag (FCC ID: ZDLST8) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for properly worn on the body is 1.647W/kg. This device was tested for typical body-worn operations with the back of the handset kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body 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.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained between the user's body and the handset, 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.