



BAGTAG Guide

For Aer Lingus ground staff



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Introduction

Proof of Concept

Over the next month, we will test the BAGTAG concept for Aer Lingus crew members. The baggage check-in process will remain mostly the same, except for one significant difference: a select group of crew members will use an electronic bag tag instead of a paper baggage label to check in and label their crew bag..

How it works

BAGTAG offers airline crew members the convenience of digitally checking in and labelling their baggage using the electronic bag tag. It reduces check-in time and touchpoints, replacing traditional paper labels and streamlining the baggage check-in experience.

Throughout the proof of concept, crew members will use the BAGTAG application, with the anticipation of transitioning to the Aer Lingus Crew app in the future.



About the device

Flexible strap

The BAGTAG is a versatile electronic bag tag and can be used on any type of baggage, easily interchangeable between bags thanks to its flexible and secure attachment strap.

Electronic ink

The BAGTAG display is made from shock- and waterproof materials and uses electronic Ink to show your baggage label just like a traditional paper label would.

Batteryless

The device is completely batteryless, which means recharging is not needed.

Updates through NFC

The BAGTAG uses Near Field Communication Technology (NFC) to pair with your phone and to update its display.



Regulations & conformity

According to FAA, ICAO and IATA electronic bag tags are considered Personal Electronic Devices (PEDs), with the added exception that they are not readily accessible during flight. Several regulatory standards apply and are listed below.

Source	Document	Topic	Advice
IATA	Guidance on Smart Baggage	Maximum Lithium content / battery	2 g
IATA	Guidance on Smart Baggage	Required battery certification	UN 38.3
FAA	Use of PED aboard aircraft (AC 91.21-1D)	RF radiated emission limits following RTCA DO-160, section 21	
FAA	Use of PED aboard aircraft (AC 91.21-1D)	Means to shut off, if active device	several
FAA	Use of PED aboard aircraft (AC 91.21-1D)	PED batteries - lithium content	0.3 g/ battery
ICAO	DGP/26-WP/2	Proposed restrictions on Electronic Bag Tag battery	0.3 g / battery
ICAO	DGP/26-WP/2	Battery certification	UN 38.3

Certifications: CE, FCC, REACH, RoHS, WEEE

Compliant with IATA: R740, RP1754, RP1740c

BAGTAG Flex (batteryless)

The BAGTAG Flex is a passive device and does not contain a battery.



Step-by-Step process

During the Aer Lingus Crew PoC, the BAGTAG will be used instead of paper baggage labels. This change won't impact your operations. The information below is just for reference but does demonstrate the crew baggage journey with BAGTAG.



Step 1: Checks in & labels bag



Step 2: Drops off bag

Step 1: Check in and label baggage off-airport

The crew member checks in their baggage and updates the BAGTAG with label information using the "Preset crew labels" feature in the BAGTAG app before arriving at the airport.

Step 2: Drop off baggage

The crew member drops off their baggage, with the BAGTAG attached, at the designated Aer Lingus Crew drop-off points.

Please note: an electronic bag tag works exactly the same as a paper label and can be treated as such.

How to clear the display

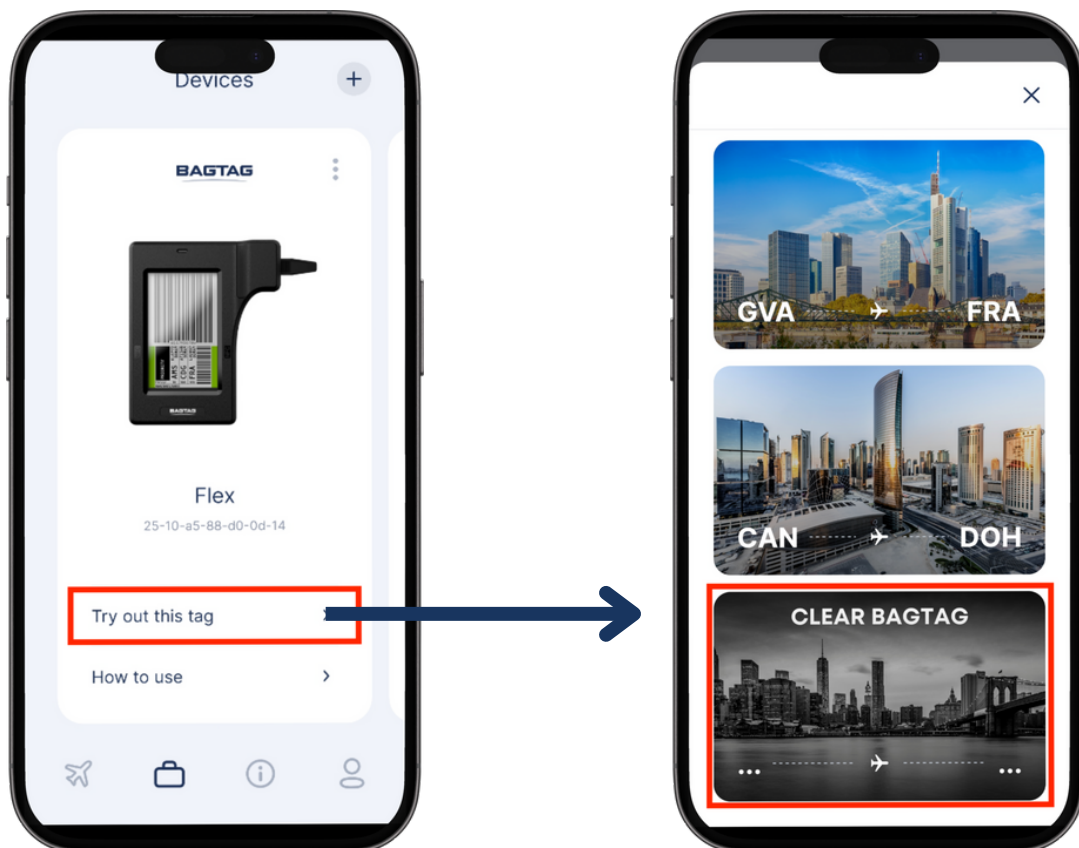
In the unlikely event that the display needs to be cleared, please ask the crew member to go through the following instructions:

Step 1: Go to your device

Locate your device in the BAGTAG app and choose the 'try out this tag' option.

Step 2: Select 'clear BAGTAG'

After scrolling down, a test flight "clear BAGTAG" is displayed. Choose this option and follow the steps in the BAGTAG app to clear the display (clearing the display works the same as updating a BAGTAG). Your BAGTAG should now be cleared of any previous flight information.



Irregular operations

Rerouting

In the majority of rerouting cases, the barcode remains the same. In this situation, leave the barcode of the BAGTAG as it is.

If a new barcode is required and the crew member who owns the bag is not able to upload the new label information to the BAGTAG, the screen should be covered with a sticker as depicted below.



Only overlay the routing information with a sticker.

If the entire tag needs to be replaced to relabel the baggage, cover the entire screen with a sticker.

