A-Tag Device Manual (Gen 2)

DB SCHENKER

Find out more about the A-Tag (Gen 2)

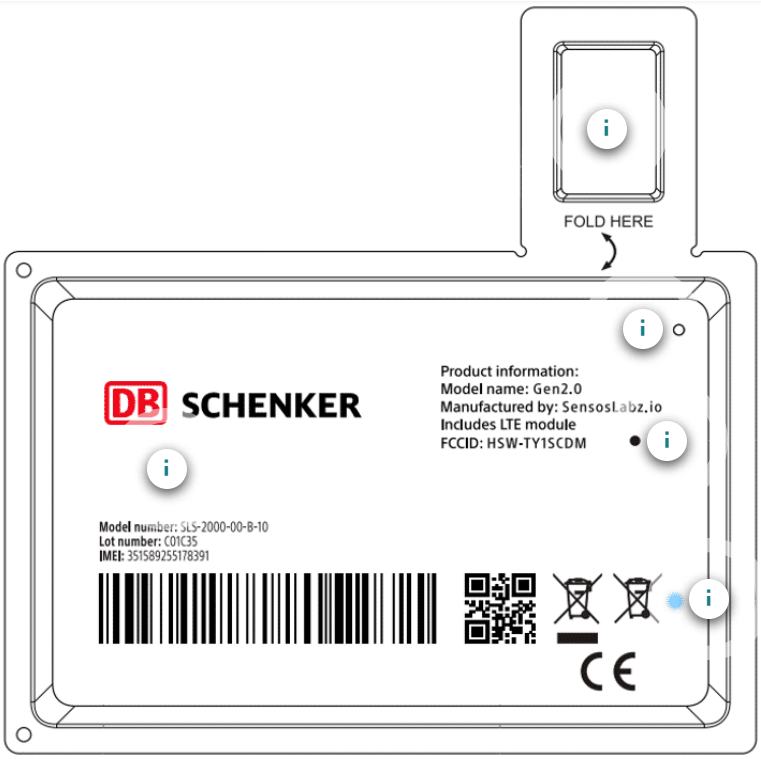
Introduction

These are the main characteristics of the A-Tag (Gen2):

1. The A-Tag is a real-time **tracking** device.
2. The A-Tag is purchased as a **one-way** device. It can be disposed of afterwards.
3. The A-Tag can be used for **air and land transports** (Please check with the IoT team for airline approvals). The label is ideal for monitoring the temperature of goods on package level.

Device Components

Check out all A-Tag (Gen 2) components on the graphic below:



Sensors

- Temperature
- Shock
- Open-close sensor
- GPS

LED

The A-Tag (Gen 2) will perform a functional test after activation. After a few seconds you will see the LED light:

- **Blue LED**: If the LED flashes twice in blue, this indicates successful activation.
- **Blue LED** and **Red LED**: If the LED flashes once in blue and then in red, this indicates that the A-Tag does no work correctly. Replace the A-Tag.
- **Red LED**: If the LED shows a red light permanently, press the "Reset" button to restart the activation. If the problem reoccurs, replace the A-Tag.

Reset button

If the LED light below shows solid red after the activation of the device, the A-Tag might not be working correctly.
Click the "Reset" button to restart the activation of the A-Tag.

Open-close detection

Angle-based package open detection mechanism . It is placed over the opening lid of a box. An alert will be sent, when the angle changes.

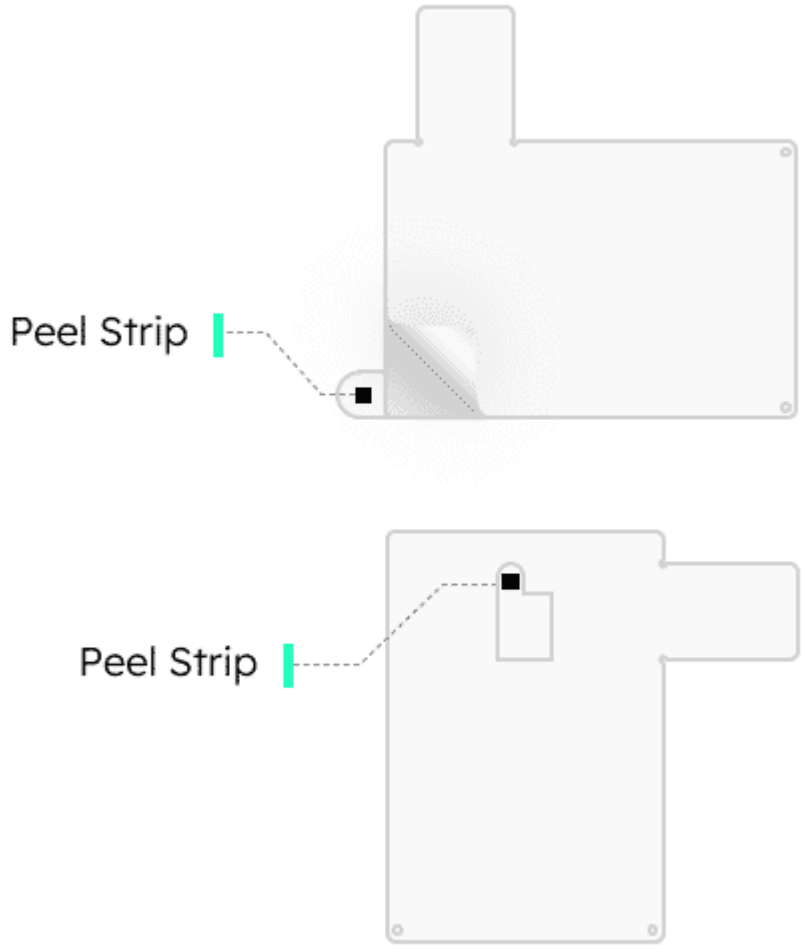
Battery

The A-Tag (Gen 2) uses a 800 mAh Lithium Manganese Dioxide Battery.

Activate and Mount Device

Activate the A-Tag (Gen 2)

There are 2 options to activate the A-Tag:



Option 1:

Remove the protective film completely from the back of the A-Tag using the peel strip at the bottom edge of the label. You can now mount the A-Tag with the adhesive back on the box (as described below) and benefit from the open-detection feature.

Option 2:

If you want to put the A-Tag inside a box (without using the open detection feature), you can pull the small rectangular strip on the back of the label and attach the A-Tag with its own magnet to the shipment.

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Mount the A-Tag

Stick the A-Tag to the top edge of the box, so that the Open Detection flap folds over the folding line of the box. (See image)

Use caution when using sharp objects such as box cutters and scissors near the product.

What to avoid when using the open detection mechanism

1. The Open Indication Flap must be stuck to the top of the box.

It will not work properly, if the A-Tag is placed side-ways on the box (see image)

To view your data, visit the IoT Platform in eSchenker. There you can see the progress of your shipments and the telemetry data.

Take the Device Out of Use

The battery used in the A-Tag (Gen 2) is a printed Lithium Manganese Dioxide Battery battery which **cannot be replaced or charged.**

The A-Tag can be disposed off as common waste (WEEE - Waste Electrical and Electronic Equipment).

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A-Tag (Gen 2) Technical Details

Sensors	• Temperature: - Operating range: -20°C to 60°C - Accuracy: ±0.5°C • Shock detection sensor • Open-close sensor • GPS
Battery & Charging	• 800 mAh Lithium Manganese Dioxide Battery • 1500 messages (approx. 1 week) with GPS activated • Ongoing Operation: data transmitted every 10 mins - 1 month (configurable)

Cellular Connectivity	• CAT-M, NB-IoT
Dimensions & Weight	• 107x 72 x 3 mm • Seal extension 35 x 26 x 3 mm • 25g
IP Rating	• 64
Certifications	• FCC • RED • GCF • PTCRB