

DB SCHENKER

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Introduction

These are the main characteristics of the A-Tag:

1 2 3

The A-Tag is a real-time **tracking** device.

The A-Tag is purchased as a **one-way** device. It can be disposed of afterwards.

The A-Tag can be used for **land and air transports**. The label is ideal for monitoring the temperature of goods on package level.

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Device Components

Check out all A-Tag components on the graphic below:





Temperature Sensor

The temperature sensor measures between: -20°C and +60°C

It is possible to configure alerts on the IoT platform: If temperature limits are exceeded, the IoT platform will show an alert.



LED

One blink after turning on the label...

- ... followed by 4 blinks = Success
- ... followed by one solid light = Failure



Free space on the left

Place your shipment label here.



Security seal

Place the marked area over the package opening line.

You will receive an e-mail when the seal gets cut.



Battery

The A-Tag uses a 177 mAh non-rechargeable Zinc Manganese printed battery.

The battery lasts up to 1000 messages. The communication frequency is modifiable.

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Activate and Mount Device



- 1. **Activate the label** by cutting the lower right corner. The LED will now blink once.
- If the activation is successful, this is followed by 4 blinks.
- If the activation failed, the LED shows solid light.

2. The back of the A-Tag is self-adhesive. Stick it visibly on the box that contains your shipment.

Place the security seal over an edge, so that it will be cut when the package is opened (see picture).



3. Attach your shipping label to the tracker:

Place the shipping label in the free white area on the A-Tag (see picture).

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

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Take the Device Out of Use

The battery used in the A-Tag is a printed ZnMnO2 alkaline battery which **cannot be** replaced or charged.

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

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A-Tag Technical Details

Sensors	 Temperature: Operating range: -20°C to 60°C Accuracy: ±1°C
Battery & Charging	 Zinc manganese printed battery Up to 1000 messages, communication frequency modifiable
Cellular Connectivity	 Cellular 3GPP Release 13, CAT-M, NB- IoT
Dimensions & Weight	 215 x 138 x 3,4 mm Seal extension 61 x 32 x 0,5 mm 77g
IP Rating	• 54



FAQ

My A-Tag doesn't work properly, can I restart it? If your device is not working correctly, you can restart it. The restart button is underneath the plastic cover, where the black dot is painted. It is not visible, but you can feel it with your finger, and when pressing it, there's a noticeable "click" feel. You can also see a blue light flashing through the cover. Note that in some cases, it is not directly under the little black dot, but a bit lower. How long can I store the A-Tag before the battery becomes unfit for use? The A-tag label battery lasts up until 12 months. However, battery life is affected by external factors such as high and low temperatures and humidity. The recommended storage temperature is: -20°C to 40°C; humidity: 0 to 95%. For optimal storage time, it is recommended to store the labels below room temperature. How long will the battery last after it has been activated? If the A-Tag is intended for short-time usage, the label may be programmed to report more frequently. The battery can send up to 1000 messages in total.

By default, the frequency of data communication is 30 minutes, when in movement. If the shipment is static for 1 day the communication is reduced to save battery: communication will take place after 24hs, then after 48hs, then after 96hs, 96hs, and 96hs, until the shipment is moved again. This means the static report (when not in movement) works with a two-doubling-point. The default settings can be modified, upon request, before the battery is activated.

On one hand, the two-doubling-point can be cancelled so that the static report takes place every 24hs, 12hs or 6hs (depending on the specific use case). On the other hand, the two-doubling-point can be reduce to one-doubling-point (24hs, 48hs, 48hs, 48hs, 48hs...).