

# N-Type & N-Type Reefer Device Manual



Find out more about the N-Type & N-Type Reefer monitoring device.

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# Introduction

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These are the main characteristics of the N-Type & N-Type Reefer:

1

The N-Type is a real-time **tracking** device.

2

The N-Type is purchased as **one-way** device. It can be disposed off or recycled afterwards.

3

The N-Type can be used for ocean, rail and land transports. The device is **suitable for tracking dry containers with increased security requirements**. The N-Type has the perfect design for container doors (GPS antenna on the outside of the container door for accurate tracking) and is equipped with a strong battery.

4

The N-Type Reefer has the same characteristics as the N-Type, but is **designed to fit on reefer container doors**.

# Device Components

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Check out all N-Type components on the graphic below:





## Sensors

- light
- temperature
- humidity
- shock
- magnetometer



## Antenna

External antenna that enables transmission without loss of data.



## Magnet

Build-in magnet that holds the device in place on the container door.

# Activate and Mount Device

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The device is already activated. There are no activation steps required.



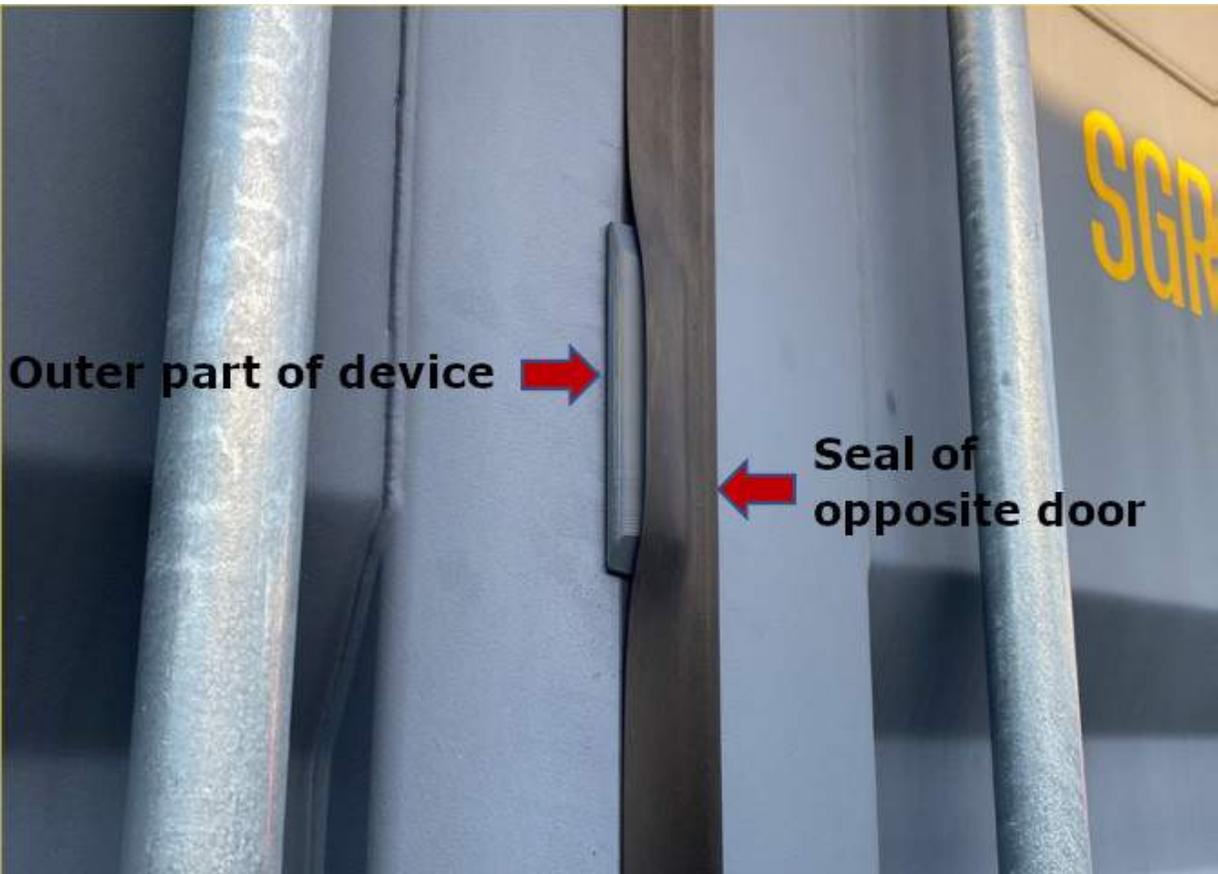
Mount the device on the container door **that has no rubber seal** on the side. This will usually be the left door.

The thicker part (showing the label of the device) must be on the inside of the container.

The device must be placed **as high as possible**.



The device will be held in place by the in-built magnet.



When the container doors are closed, the rubber seal of the opposite door will help to hold the device in place.

# Unmount and Deactivate Device

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1

Pull the N-Type off the container door.

2

By unmounting the N-Type it is automatically deactivated.

# Take the N-Type & N-Type Reefer out of Use

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1

To save money and resources, we recommend that you **send the device back for recycling**. You may receive a discount on your next order.

2

For recycling options please contact connect2track at [connect2track@dbschenker.com](mailto:connect2track@dbschenker.com).

3

If you want to dispose of the device instead, follow environmental regulations for products that contain batteries. Please check with local or state authorities to ensure proper disposal procedures.

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

# N-Type & N-Type Reefer Technical Details

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<b>Sensors</b>	<ul style="list-style-type: none"><li>• Light</li><li>• Temperature (Operating range: -40°C to 85°C; Accuracy: ±0.5°C)</li><li>• Humidity</li><li>• Shock (3-dimensional shock detection)</li><li>• Magnetometer</li><li>• Door alert is based on several sensors</li></ul>
<b>Battery &amp; Charging</b>	<ul style="list-style-type: none"><li>• Lithium Ion</li><li>• 120 days battery life at 15 minutes transmission frequency</li></ul>
<b>Cellular Connectivity</b>	<ul style="list-style-type: none"><li>• 4G/2G</li></ul>

	<ul style="list-style-type: none"><li>• EGPRS</li></ul>
<b>Dimensions &amp; Weight</b>	<ul style="list-style-type: none"><li>• N-Type: 135 x 85,5 x 69,5 mm; 250g</li><li>• N-Type Reefer: 135 x 127 x 75 mm; 275g</li></ul>
<b>IP Rating</b>	<ul style="list-style-type: none"><li>• 67</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• N-Type: PFA, CE, FCC, EAC</li><li>• N-Type Reefer: IC, CE, FCC, electrical safety IEC62368-1 &amp; IEC62133</li></ul>