

# V-Type Device Manual



Temperature

NETWORK

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Movement

Vibration

Humidity

Intrusion detection



Find out more about the V-Type.



Introduction



Device components



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Take the device out of use



V-Type technical details



FAQ

# Introduction

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These are the main characteristics of the V-Type:

- 1 The V-Type is a real-time **tracking** device.
- 2 The V-Type is purchased as a **one-way** device.  
It can be disposed or recycled afterwards.
- 3 The V-Type is an all-rounder that can be used for ocean, land and air transports. If used for ocean shipments, it is recommended that you only use it for shipments up to one month with medium communication frequency.

# Device components

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





## Power button

- Press the START button briefly to turn the tracker on.
- Press the START button for 6 seconds to turn the tracker off.



## Sensors

- Light
- Temperature
- Humidity
- Shock



## Status lights

### Blue

As long as the blue light flashes, the tracker is working correctly.  
Press the power button at any time to verify the tracker is on.

### Red

The device is not working correctly.  
Please contact operational team or [corp.sm.ess.Smartboxservice@dbschenker.com](mailto:corp.sm.ess.Smartboxservice@dbschenker.com) for help

# Activate and mount device

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1

### Activate the device:

Press the power button until the blue light comes on. When the device is activated, the blue light flashes six times. To check if the device is activated, you can press the power button again: The flashing blue light means it is switched on and works properly. If you see a red light, that means the tracker does not work properly and should not be used.

2

### Attach the tracker to a package:

Attach the tracker with the label side facing towards you (like shown in the pictures below), otherwise the sensors may not work correctly. Make sure not to cover the sensors with packing material.

These are several methods that you can use to attach the V-Type:

**ADHESIVE**

**SHRINK-WRAP**

**ZIP-TIE**

**CONTAINER**

Place the tracker on the product using the black adhesive found on the back of the tracker. Or, place the tracker in an adhesive envelope and then attach it to the package. When loading, ideally place it on the last pallet going into the trailer or container. This way the tracker can be easily located at the destination.

Note that sensors may not be working correctly if they are placed inside an envelope:

- Temperature and humidity will not be measured correctly inside the envelope.
- The light sensor will not work correctly if the envelope is opaque.



ADHESIVE	SHRINK-WRAP	ZIP-TIE	CONTAINER
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Shrink-wrap the tracker on the pallet.

Note that sensors may not be working correctly if they are covered by packaging foil:

- Temperature and humidity will not be measured correctly if sensors are covered by foil.
- The light sensor will not work correctly if opaque foil is used.



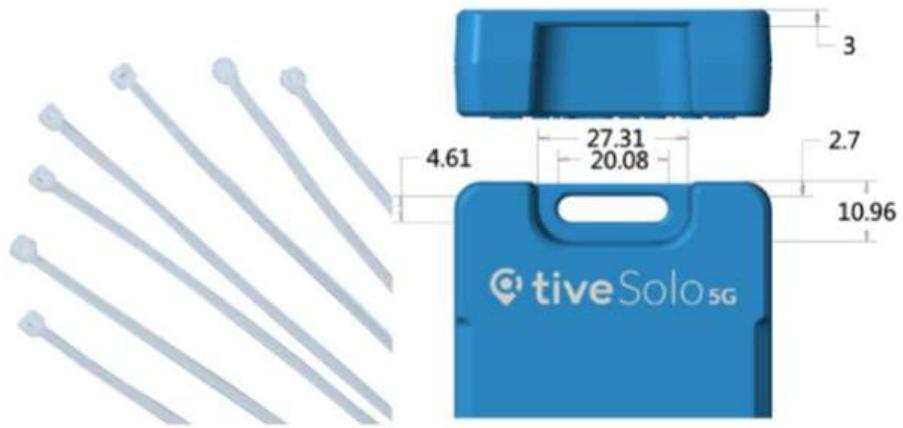
ADHESIVE

SHRINK-WRAP

ZIP-TIE

CONTAINER

-Zip tie the device to the container when the container has mounting holes at the top surface.



ADHESIVE	SHRINK-WRAP	ZIP-TIE	CONTAINER
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Place the tracker on top-right/left section of the container or trailer, for optimal GPS signal (if required).



# Unmount and deactivate the device

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1

Remove the tracking device from its mounting location. You can simply pull the device off.

2

To deactivate the tracker, press the power button and hold it until the blue light switches off. The blue light will now switch on for 10 seconds to confirm that the device has been switched off. If the battery life has reached its end, take the device out of use.

# Take the device out of use

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When the battery power runs out, the V-Type stops logging. The tracker can be disposed of or returned:



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.

# V-Type technical details

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<b>Sensors</b>	<ul style="list-style-type: none"><li>• Light</li><li>• Temperature (Operating range: -20°C to 60°C; Accuracy: ±0.5°C)</li><li>• Humidity</li><li>• Shock (3-dimensional shock detection)</li><li>• Door opening alert based on light values</li></ul>
<b>Battery &amp; Charging</b>	<ul style="list-style-type: none"><li>• Lithium Ion</li><li>• More than 39 days battery life at 1 hour transmission frequency</li></ul>
<b>Location Accuracy</b>	<ul style="list-style-type: none"><li>• Cellular (500 meters)</li><li>• Wi-Fi (50 meters)</li><li>• GPS (5 meters)</li></ul>

<b>Cellular Connectivity</b>	<ul style="list-style-type: none"><li>• 5G/4G/fallback(2G)</li><li>• EGPRS</li></ul>
<b>Dimensions &amp; Weight</b>	<ul style="list-style-type: none"><li>• 96 x 58 x 19,5 mm</li><li>• 100 g</li></ul>
<b>IP Rating</b>	<ul style="list-style-type: none"><li>• 65</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE</li><li>• FCC</li><li>• UN38.3</li><li>• RoHS</li><li>• RTCA</li><li>• DO160G</li><li>• EAC</li><li>• CCC</li><li>• SRRC</li></ul>

# FAQ

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## 1. What do I do if the V-Type device does not turn on?

1

If your device is not working correctly, perform the “multiple restart process”:

-> Hold “START” button for 6 seconds, wait 10 seconds, then press “START” button again to switch on. The device should switch on successfully.

2

If the device is still not on, it is probably out of battery. Continue with the next step to charge the device:

- > Plug the device into a socket using Micro USB for 20mins, then restart by holding the “start” button for 6 seconds. The device should ALWAYS be charged to 95% before usage.

3

If the device has enough battery (the LED light blinks in blue color), but is still not communicating with the platform, proceed with the next steps:

1. Device reset: Plug the device into a socket using Micro USB for 20mins to reset it, then restart by holding “start” button for 6 seconds.

2. Force transmitting: Hold “start” button for 4 seconds.
3. Expose the device to a clear environment or near windows and then restart (hold “start” button for 6 seconds).
4. If devices still do not communicate, contact GILDS team for second-line support.