

## Usage of customer-owned tracking devices onboard of Lufthansa Cargo and Lufthansa Group Airlines flights

### General

Lufthansa Cargo and the airlines of the Lufthansa Group, Lufthansa, Austrian Airlines, Swiss and Brussels Airlines, allow the usage of certain customer-owned cargo tracking devices being sent along with their shipments on our global network.

Cargo tracking devices are personal electronic devices (PED) attached to or transported in airfreight with the purpose of monitoring location and/or various parameters, such as temperature, vibration, humidity. The device may transmit these parameters remotely by means of radio frequency emissions. Devices that do not actively transmit data are defined as “loggers” and subject to the same regulations.

As all of these devices remain switched on during flight, a technical evaluation by the operator is required. Data transmission must be suspended and disabled during flight in order to comply to air safety regulations.

### Contact

Our customers are obliged to inform us about their intent of using customer-owned cargo tracking devices being sent along with their shipment. You can do this by simply activating the tick box “Realtime tracking” during the online booking process.

Should you have any questions regarding the requirements on how to book a cargo tracking device with your Lufthansa Cargo or Lufthansa Group airlines shipment, please contact your respective local sales representative.

For technical questions about the devices, please contact the respective manufacturer.

If you are interested in approvals for tracking devices other than listed here please contact your local sales representative.

## Guideline

The following listed devices are accepted to be used aboard our airlines as depicted. The devices are not approved for transportation on interline routings with other carriers. Lufthansa Cargo and Lufthansa Group airlines will not be responsible for damages or losses of any tracking device in transit.

Lufthansa Cargo and Lufthansa Group airlines are constantly assessing new cargo tracking devices for usage aboard their aircraft and will update its list of approved devices here.

Concessions to use the listed devices are based upon current provisions and can be revoked at any time.

### **Kindly observe following general guidelines concerning your cargo tracking devices:**

- Tracking devices have to be maintained in a good and safe condition in order to avoid a modification to its emission characterization and to avoid a fire hazard through its batteries
- Consider IATA guidelines „Battery powered Tracker”
- New devices can only be approved prior to technical assessment of Lufthansa Cargo and Lufthansa Group airlines
- Hard- and software changes on already approved devices have to be reported to local sales representative to allow reevaluation of device.
- All devices must be securely enclosed within the shipment





Cargo Tracking Device Manufacturer   Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
<b>7P Solutions</b> GD 100, GL 200 <sup>2</sup> , GL 300, GL 300W	✓ <sup>1</sup>	✓ <sup>* 1</sup>	✓ <sup>2</sup>	✓
<b>Aspion</b> G-Log, G-Log 2, G-Log waterproof	✓	✗	✗	✓
<b>BeOn</b> A1	✓	✓	✓	✓
<b>Bosch</b> Basic Sense Type S, Type T, Basic Sense I <sup>3</sup> , TDL140 <sup>3,5</sup> , TDL110 <sup>4</sup>	✓ <sup>3</sup>	✓ <sup>4</sup>	✓ <sup>5</sup>	✓
<b>CalAmp*</b> SC1004**, SC1102**, SC1204 <sup>6</sup> , SC 1100 <sup>7</sup>	✓ <sup>6</sup>	✓ <sup>+ 7</sup>	✓ <sup>** 6,7</sup>	✓
<b>Cargosense</b> Toshiba Environmental Logger	✓	✗	✗	✓
<b>CartaSense</b> U-Sensor	✓	✓	✓	✓
<b>Controlant</b> CO 10.01, Saga**, Saga H <sup>6</sup> , Saga P <sup>6</sup>	✓ <sup>8</sup>	✓ <sup>*</sup>	✓ <sup>** 8</sup>	✓
<b>DHL</b> Smart Sensor RFID	✓	✗	✗	✓
<b>ECS</b> GWS-CSCG Logistic Monitoring Gateway	✓	✓ <sup>*</sup>	✗	✓
<b>ELPRO**</b> LIBERO CB, CD, CE, CH, CI, CL, CS LIBERO GE*, GF*, GH*, GL*, GS*	✓	✓ <sup>*</sup>	✓ <sup>**</sup>	✓
<b>GEGO</b> Global Tracker V1, V1W	✓	✗	✗	✓
<b>GEO</b> Single Use IoSC Edge (V2)	✓	✓ <sup>*</sup>	✗	✓

\* Device only approved on Austrian Airline flights for COVID-19-Shipment upon request. Please contact [cargomanager@austrian.com](mailto:cargomanager@austrian.com) for individual approval.  
[Devices >100mW are not permitted on OS B767 fleet operated flights, a case-by-case assessment is therefore required to ensure requested route will not be operated with OS B767]

\*\* Kindly refer to <https://www.swissworldcargo.com/en/activetrackingdevices> for further important information

1 For 7P Solutions devices, following settings have to be ensured before usage on board: Flight Mode (OnOff.enable) = Activated, GPS fix available (OnTime) > 5min, GPS fix unavailable (OffTime) < 1min, Minimum TX Altitude (SFAlt) < 2000m, Maximum TX Speed (SFSpeed) < 100 km/h

2 7P Solutions GL 200 not permitted to be used aboard of Swiss flights

3 Bosch Basic Sense I, TDL140 not permitted to be used aboard of Lufthansa and Lufthansa Cargo flights

4 Bosch TDL110 not permitted to be used aboard of Austrian Airlines flights

5 Only Bosch TD 140 permitted to be used aboard of Swiss flights

6 Calamp SC1204 not permitted to be used aboard Lufthansa and Lufthansa Cargo flights and Swiss flights

7 Calamp SC1100 not permitted to be used aboard of Austrian Airlines flights and Swiss flights

8 Controlant Saga H, Saga P not permitted to be used aboard of Lufthansa, Lufthansa Cargo and Swiss flights





Lufthansa

Austrian

SWISS

brussels airlines

Cargo Tracking Device Manufacturer   Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
<b>Hanhaa</b> Parcelive	✓	✓*	✓	✓
<b>HiveTracker</b> Beecon, ComBox, BEEconIoT <sup>9</sup>	✓	✗	✓ <sup>9</sup>	✓
<b>Honeywell</b> RTHAL-C1, 3G- ST-THALP-1, BluTag 360 <sup>10</sup>	✓	✓ <sup>10</sup>	✗**	✓
<b>Imec</b> tempmate S1	✓	✓	✓	✓
<b>Intelyt</b> iCHIME, iTAG	✓	✓	✓	✓
<b>Kirschen Global Security</b> Schenker Smartbox A-Type	✓	✓*	✓	✓
<b>Modum</b> MODsense T	✓	✓	✓	✓
<b>Moog</b> Sense Aware 3000	✗	✓	✗	✗
<b>MSR Electronics</b> MSR 63, MSR, 64, MSR 83, MSR 84, MSR 145*, MSR 165*, MSR 175*	✓	✓*	✗	✓
<b>OnAsset</b> Sentinel 100, 100 A, 100 B, 100 L, 100 P, 100 S, Sentry 500*, <sup>11</sup>	✓	✓*	✓ <sup>11</sup>	✓
<b>Onset</b> InTemp CX 501, CX 502, CX 503	✓	✓*	✗	✓
<b>Roambee*</b> BeeBeacon, Sensor Bee, Bee Sense <sup>12</sup> , Bee Air <sup>12</sup> , Beacon Plus <sup>12</sup> , Plus Probe VOC <sup>12</sup>	✓ <sup>12</sup>	✓*	✓ <sup>13</sup>	✓
<b>Sendum</b> PT300D	✓	✓*	✗	✓
<b>SenseAware</b> SA3000 <sup>14,15</sup> , PT300D*	✓ <sup>14</sup>	✓*	✓ <sup>15</sup>	✓
<b>Sensire</b> TSN Pro	✓	✓*	✗	✓
<b>SkyCell</b> Savy Sensor (Model 800)	✓	✓	✗	✓
<b>Sony</b> Visilion Mobiam Tracker	✓	✓*	✓	✓

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\*\* Kindly refer to <https://www.swisworldcargo.com/en/activetrackingdevices> for further important information.

<sup>9</sup> Only HiveTracker BEEconIoT permitted to be used aboard of Swiss flights

<sup>10</sup> Only BluTag 360 permitted to be used aboard of Austrian Airlines flights

<sup>11</sup> Only OnAsset Sentry 500 Flightsafe permitted to be used aboard of Swiss flights

<sup>12</sup> Roambee Bee Sense, Bee Air, Beacon Plus, Plus Probe VOC not permitted to be used aboard of Lufthansa and Lufthansa Cargo flights

<sup>13</sup> Only Roambee Bee permitted to be used aboard of Swiss flights

<sup>14</sup> SenseAware SA3000 not permitted to be used aboard of Lufthansa and Lufthansa Cargo flights and Swiss flights

<sup>15</sup> Only SenseAware SA3000 permitted to be used aboard of Swiss flights



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Lufthansa

Austrian

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Cargo Tracking Device Manufacturer   Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
<b>TempSen</b> ITAG3 Pro <sup>16</sup> , ITAG4 Pro, Bio, TH, SP, Tempod 30, 50X, 90S, 100X, 200X, 20B, 50XB, 100XB, 200XB, Alpha TH30	✓ <sub>16</sub>	✓	✗	✓
<b>Tive</b> TT-4000, TT-7000	✗	✗	✓	✗
<b>TSS</b> TempTracer 2, 3, Humidity, BLE <sup>17</sup> , WebLogger <sup>17</sup> , II, Dry Ice	✓ <sub>17</sub>	✓	✗	✓
<b>T-Systems ECD</b> ECD Solid II	✓	✓	✗	✓

<sup>16</sup> Only TempSen ITAG3 Pro permitted to be used aboard of Lufthansa and Lufthansa Cargo flights

<sup>17</sup> TSS TempTracer BLE and Weblogger not permitted to be used aboard of Lufthansa and Lufthansa Cargo flights



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