



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. Please note that if a device has been approved by Lufthansa this approval is valid for all Lufthansa as well as Lufthansa Cargo flights and also for all SN Brüssles, Sun Express and Air Dolomiti flights.

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.

Non-intentionally transmitting devices powered by coin cells are per EASA AIR OPS GM1 CAT.GEN.MPA.140 (b) in a switched-off status – and are therefore permitted for usage on LH / LCAG Fleet without further assessment.

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.



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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





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Cargo Tracking Device Manufacturer Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
7P Solutions GD 100, GL 200 ² , GL 300, GL 300W	✓ ¹	✓ ^{* 1}	✓ ²	✓
Adapt Ideations Kelvin & Track IT Proton Series S100/S200/S300/M100/WHO	✓ ✓	✓ [*]	✓	✓ ✓
Aspion G-Log, G-Log 2, G-Log waterproof	✓	✓	✓	✓
BeOn A1	✓	✓	✓	✓
Berlinger SmartMonitor Ship M SmartMonitor Ship L Berlinger Q-tag CLm doc	✓ ✓ ✓	✓ [*] ✓ [*] ✓	✓ ✓ ✓	✓ ✓ ✓
Bosch Basic Sense Type S, Type T, Basic Sense I ³ , TDL140 ^{3,5} , TDL110 ⁴	✓ ³	✓ ⁴	✓ ⁵	✓
CalAmp* SC1004 ^{**} , SC1204 ⁶ , SC1102 ^{**} , SC1204 ⁶ , SC1204 ⁶ , SC1100 ⁷ , STAG04HT SC1302	✓ ⁶ ✗	✓ ^{* 7, 8} ✗	✓ ^{** 6, 7}	✓ ✗
Cargosense Toshiba Environmental Logger	✓	✗	✓	✓
CartaSense U-Sensor	✓	✓	✓	✓
Controlant CO 10.01, Saga ^{**} , Saga H ⁹ , Saga P ⁹	✓	✓ [*]	✓ ^{** 9}	✓
DHL Smart Sensor RFID	✓	✗	✗	✓
DeltaTrack Inc. FlashLink Dry Ice USB PDF In-Transit Logger (Models of 407xx series) FlashLink NOW 22492	✓ ✗			✓ ✗
ECS GWS-CSCG Logistic Monitoring Gateway	✓	✓ [*]	✗	✓
ELPRO LIBERO CB, CD, CE, CH, CI, CL, CS LIBERO GE, GF, GH, GL, GS	✓ ✓	✓ [*] ✓ [*]	✓ ^{**} ✓ ^{**}	✓ ✓

* Device only approved on Austrian Airline flights for COVID-19-Shipments upon request. Please contact 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,

2 GPS fix unavailable (OffTime) < 1min, Minimum TX Altitude (SFAIt) < 2000m, Maximum TX Speed (SFSpeed) < 100 km/h

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, ok on Swiss flights



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Cargo Tracking Device Manufacturer Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
Emerson Electric Co.				
GO Real-Time 4G/5G, XL 4G/5G, 4G/5G Reusable	✓	✓*	✓	✓
EMERSON GO Real-Time 4G/5G Global	✓			✓
EMERSON GO Real-Time 4G/5G Global Plus	✓			✓

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Cargo Tracking Device Manufacturer Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
GEGO Global Tracker V1, V1W	✓	✗	✗	✓
Freight Logger FreightLogger Mk1	✓			✓
Frigga Frigga V5 series	✓			✓
GEO Single Use IoSC Edge (V2)	✓	✓ *	✗	✓
Hanhaa ParcelLive	✓	✓ *	✓	✓
HERE Technologies HERE Premier Tracker	✓		✓	✓
Hive-Zox Beecon BEEconIoT with Probe BEEconIoT	✓ ✓	✓ * ✓ *	✓ ✓ ✓ ⁹	✓ ✓
Honeywell RTHAL-C1, 3G- ST-THALP-1, BluTag 360 ¹⁰	✓	✓ ¹⁰	✓ ^{**}	✓
Intelyt iCHIME, iTAG	✓	✓	✓	✓
iTraQ iTraQ Butterfly	✓	✓ *	✓	✓
Kirschen Global Security Schenker Smartbox A-Type	✓	✓ *	✓	✓
Logmore TAG Sensor	✓			✓
LogTag Recorders Ltd. LogTag TRIX-8 LogTag TRIX-16 LogTag USRID-16 Logger Data Logger	✓ ✓ ✓			✓ ✓ ✓
Modum MODsense T	✓	✓	✓	✓
Moog Sense Aware 3000, ILC 3000	✓	✓ *	✓	✓
Murata Manufacturing Co.,Ltd. muRata LBBC0ZZ2AM-690		✓		
MSR Electronics MSR 63, 64, 83, 84 MSR 145, 165, 175 MSR 145B4, 145B7, 145B8, MSR145B15, 145B16, MSR165B8 MSR165 B52 MSR175B16T2AA5, MSR175B16T6H3P5AA5L2 MSR175plus, 175B56T6H3P5AA5L2G	✓ ✗ ✓ ✓ ✓ ✗ ✓ ✓ ✓	✓ ✗ ✓ ✓ ✓ ✗ ✓ ✓ ✓	 11	✓ ✗ ✓ ✓ ✓ ✗ ✓ ✓ ✓

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⁹ AWB must include statement "Not restricted as per special provision A123."
¹⁰ Only BluTag 360 permitted to be used aboard of Austrian Airlines flights


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Cargo Tracking Device Manufacturer Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
OnAsset				
Sentinel 100, 100 A, 100 B, 100 L, 100 P, 100 S, Sentry 500*, ¹¹	✓	✓ *	✓	✓
Sentry 600 Flight Safe	✓	✓	✓	✓
Onset Computer Corporation				
InTemp CX 501, CX 502, CX 503	✓	✓ *	✓	✓
InTemp CX 602, CX603, CX 702, CX 703	✓			✓
Reelables Inc.				
A-Label	✓			✓
Roambee**				
BeeBeacon	✓	✓ *		✓
BeeSense Modbus	✓	✓ *		✓
Bee Air ¹²	✓ ¹²	✓ *	✓ ^{13**} 13**	✓ ¹²
Beacon Plus ¹²	✓ ¹²	✓		✓ ¹²
Plus Probe VOC ¹²	✓ ¹²	✓	✓	✓ ¹²
BeeSense Flex	✓	✓ *	✓	✓
BeeSense	✓	✓ *	✓	✓
SAS Stracker				
STRACKER PT35	✓	✓ *	✓	✓
SENCIUS TECHNOLOGIES				
Tempnote® V1	✓	✓	✓	✓
Tempnote® Lite V2.0	✓	✓	✓	✓
Tempnote® T32SU	✓	✓	✓	✓
Tempnote® T32	✓	✓	✓	✓
Tempnote® TH32				

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¹² Bee Air, Beacon Plus, Plus Probe VOC not permitted to be used aboard of Lufthansa and Lufthansa Cargo flights


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Cargo Tracking Device Manufacturer Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
Sendum PT300D	✓	✓	✓	✓
SenseAware SA3000, PT300D* SenseAware 4000, M4, SenseAware ID, FedEx SenseAwareID	✓	✓ ✓ ✓*	✓	✓
Sensire TSN Pro	✓	✓	✗	✓
Sensitech TempTale Geo Ultra / VizComm View Ultra (T11013050)	✓	✓*	✓	✓
TempTale Geo Ultra Dry Ice (T11013070)	✓	✓*	✓	✓
TempTale Geo Ultra Extended / VizComm View Ultra Extended (T11012990), Li Battery	✗	✗	✗	✗
TempTale GEO Ultra Dry Ice Extended (T11013060), Li Battery	✗	✗	✗	✗
TempTale ULTRA 16K AMBIENT (T11012570)	✓			✓
TempTale Ultra 16K (TempTale Ultra In-Transit Temperature Recorder / TempTale Ultra, 64K, Fit, Dry Ice Probe, Probe, Humidity, Ultra BIO	✓	✓		✓
TempTale Ultra Multi-Use T11012940 T11012800 TT Ultra Dry Ice Ambient	✓ ✓			✓ ✓
TagAlert NFC T11012870	✓			✓
Shipit.to SIT1002	✓	✓*	✓	✓

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[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]



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Cargo Tracking Device Manufacturer Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
SkyCell Savy Sensor (Model 800) SECURE Live MR Logger (810, 811, 812)	✓ ✓	✓	✓	✓ ✓
Sony Visilion Mobiam Tracker Visilion Tracker G100 (VT-G100) Sensos Smart Label Gen 1.0	✓ ✓ ✓	✓ ✓ ^{**}	✓	✓ ✓ ✓
STEFANELLI ENTERPRISES Temp-Tock D Temp-Tock A	✓			✓
System Loco Loco Tag E4BL HGR4 HGD4	✓ ✓ ✓	✓ ✓ [*]		✓ ✓ ✓
Tag-n-Trac Tag-n-Trac SLB1 Smart Sense Tag ST100	✓ ✓	✓	✓	✓ ✓
Tec4Med SmartBeacon TempBeacon CryoBeacon Smarthub / Smartlock	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ [*]	✓ ✓ ✓	✓ ✓ ✓ ✓
Tempmate GmbH tempmate S1 V2 tempmate-S2 tempmate-GS2	✓ ✓ ✗	✓	✓	✓ ✓ ✗
TempSen ITAG3 Pro ¹⁴ , ITAG4, Bio, TH, SP, Tempod 30, 50X, 90S, 100X, 200X, 20B, 50XB, 100XB, 200XB, Alpha TH30	✓ ¹⁴	✓	✗	✓
Theftex GmbH Thingfox T2	✓			✓
Tive TT-4000 (Flagship) TT-7000 (Solo 5G) TT-7100 (Non-Lithium)	✓ ✓ ✓	✓ ✓ [*] ✓ [*]	✓ ✓ ✓	✓ ✓ ✓
ToolLive TL001	✓	✓	✓	✓
Trackonomy FBB-2000 FWB-2000	✓ ✓	✓ [*] ✓	✓ ✓	✓ ✓
TSS TempTracer 2, 3, Humidity, BLE, WebLogger, II, Dry Ice	✓	✓	✓	✓
T-Systems ECD ECD Solid II	✓	✓	✗	✓

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¹⁴ Only TempSen ITAG3 Pro permitted to be used aboard of Lufthansa and Lufthansa Cargo flights


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Cargo Tracking Device Manufacturer Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines	Approved Brussels Airlines
Versa Versa 1	✓	✓ *	✓	✓
zLogg LLC Z1 Series (e.g. z1LcdMu, Z1H)	✓			✓



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