

SHIPPING GUIDELINES for GLOBALTRAK EQUIPMENT

The purpose of these Guidelines is to facilitate the shipment of GlobalTrak units/equipment which contain transmitting devices, lithium batteries and magnets. There are U.S. and international regulations for shipping lithium batteries, transmitting devices, and magnets that must be observed because they are considered hazardous materials. The Guidelines are valid for six months from the issuing date; System Planning Corporation accepts no liability for loss resulting from changes, errors, omissions, or misrepresentations in these materials. Visit globaltrak.com and select the publications link to obtain the current version of this document.

Transmitting Devices Must Be Powered Off

All GlobalTrak Asset Monitoring Units, Electronic Seals, and Remote Sensor Nodes contain transmitting devices. According to IATA¹ and U.S. DOT Hazardous Materials Regulations (HMR)² regulations, these must be powered off during shipment.

- Asset Monitoring Units (AMU) are turned on and off by key.
- Electronic seals and Remote Sensor Nodes are deactivated automatically when the AMU with which they are paired has been “off” or deactivated for 48 hours.

Limit the Number of Pieces of Equipment with Lithium Batteries in a Shipment

GlobalTrak equipment uses lithium batteries for long-lasting power. All batteries used in GlobalTrak equipment have passed UN Test 38.3 (UN3481/UN3091) as required. Even when equipment with lithium batteries is powered off, the equipment must be shipped according IATA and/or U.S. DOT Hazardous Materials Regulations (HMR).

There are two types of lithium batteries used in GlobalTrak equipment: primary or lithium metal batteries that cannot be recharged and rechargeable secondary or lithium ion batteries. Figure 1 lists by GlobalTrak product part number and description the type of battery, lithium weight of the battery, and the nominal energy in watt hours (Wh) of the battery contained in each kind of GlobalTrak equipment.

Part Number	Description	Battery Type	Equivalent Lithium Content (grams)	Nominal Energy (watt hour)	Magnetic Material	Transmitting Device
202891, 202959, 202959	GlobalTrak + Wedge	Lithium Ion	5.94	73.3	Yes	Yes
202968, 202969	GlobalTrak + Over Door	Lithium Ion	5.94	73.3	Yes	Yes
202940, 202964	GlobalTrak Lite	Lithium Ion	1.98	24.4	Yes	Yes
202991	Remote Sensor Node	Lithium Ion	1.32	16.3	Yes	Yes
202867	Bolt e-Seal	Lithium Metal	0.7	8.6	No	Yes
202952	Strap e-Seal	Lithium Metal	1.0	10.8	No	Yes

Figure 1 - GlobalTrak Product Descriptions

¹ International Air Transport Association

² U.S. Department of Transportation Hazardous Materials Regulations 49CFR170-185

Shipments of GlobalTrak Units/Equipment

Ground shipments of GlobalTrak equipment are a less expensive choice when time and geography allow. The GT Products listed above as well as ancillary equipment such as cables and chargers may be shipped by air or ground without restriction, special handling or labeling, provided the following requirements are met when preparing the shipment:

- ◆ No more than two GT products listed in figure 1 may be contained in a package
- ◆ The equipment must be packed in a strong outer packaging suitable for the containment of the GT products during normal transit. Standard cardboard box with suitable internal padding such as bubble wrap is adequate for these products.
- ◆ The GT Products are not physically damaged.
- ◆ Multiple packages, as described in the first three bullets, may be combined to form one handling unit, such as utilizing a cardboard box or shipping pallet to contain multiple packages.

(Reference batteries: IATA packaging instructions 967 part 1 for lithium ion batteries contained in equipment, or packaging instruction 970 part 1 for lithium metal batteries contained in equipment and IATA Guidance Document on Transport of Lithium Metal and Lithium Ion Batteries – Revised 10 August 2009; U.S. DOT 49CFR172.102 Special Provisions 188. For magnets: IATA packaging instruction 902 magnetized materials; US DOT49CFR173.21)

For shipment of GT products that do not meet the above requirements, consult your hazardous materials / dangerous goods shipping specialist, and the applicable IATA or US DOT HMR. For additional information on GlobalTrak product contents as it relates to hazardous materials, contact System Planning Corporation.

Safety Information

The lithium batteries in GlobalTrak equipment can pose a risk of fire or explosion. Do not damage, abuse, or mishandle equipment in a way to compromise battery integrity. Inspect the equipment before shipment for damage that might expose the lithium battery inside the unit. Call System Planning Corporation for further information if the equipment is damaged or you have other safety concerns.

Figure 2 GlobalTrak Equipment Images

From L to R:

GlobalTrak+ Wedge, GlobalTrak+ Over Door, GlobalTrak Lite, Remote Sensor Node, Bolt E-Seal, Strap E-Seal



Ship to: System Planning Corporation 3601 Wilson Blvd Arlington VA 22201 Attn: GlobalTrak Return
 For information: +1 703-351-8200 E-mail: support@globaltrak.com