



# BlackBox GPS

## BlackBox GPS Trailer Tracking Unit™

Managing your fleet  
just got easier™



Designed for reliable, multi-year deployments, the **BlackBox GPS Trailer Tracking Unit™** features a non-rechargeable extended-life battery. Superior internal antennas for both cellular and GPS eliminate the need for wired antennas and make the **BlackBox GPS Trailer Tracking Unit™** mountable virtually anywhere in the trailer for easy, inexpensive installations. It is the ideal solution for managing assets that will be deployed for long periods without maintenance needs.

Pinpoint your trailer on the map and monitor movement by sending alerts or through stored data in a number of analysis reports, all available through our website.

Since battery life time is a function of the number of messages sent, our program was specifically designed to meet your needs of real-time data while preserving the overall life of the battery.



- ✓ Ideal for Multi-year Trailer Tracking
- ✓ Locate Anytime, Anywhere Live 24/7
- ✓ Economical Service Plans
- ✓ Ability to Create Multiple Reports
- ✓ Motion Detection and Alerts
- ✓ Geo-Fence Alerts

The **BlackBox GPS Trailer Tracking Unit™** will transmit its location and other data to you through the BlackBox GPS Network. Using the network's powerful features, you can see where your mobile asset is in street view, aerial, satellite or hybrid view. The unit monitors the trailer environment for pre-defined conditions related to time, date, motion, location or geo-fencing to meet your unique requirements.

Information is power and the **BlackBox GPS Trailer Tracking Unit™** provides a new level of information designed to monitor your deployed assets in order to reduce the risk of loss due to theft or misplacement.

The **BlackBox GPS Trailer Tracking Unit™** is truly the ideal solution for anyone interested in locating and tracking your valuable assets and improving your bottom line.

## ORDERING INFORMATION



SKU 37-620-03  
BlackBox GPS  
Trailer Tracking Unit™

## STANDARD CAPABILITIES

- 7 years with single message cycle per day on fully charged batteries\*\*
- 57 Ah lithium field replaceable battery pack
- IP67 sealed and rugged enclosure
- Internal antenna
- Built-in accelerometer for motion sensing
- Ultra-low power sleep mode
- Low battery notification and voltage monitor
- 2000 buffered messages

## GENERAL

**Communication Mode:** HSPA, UDP and SMS

**Location Technology:** 50 channel GPS

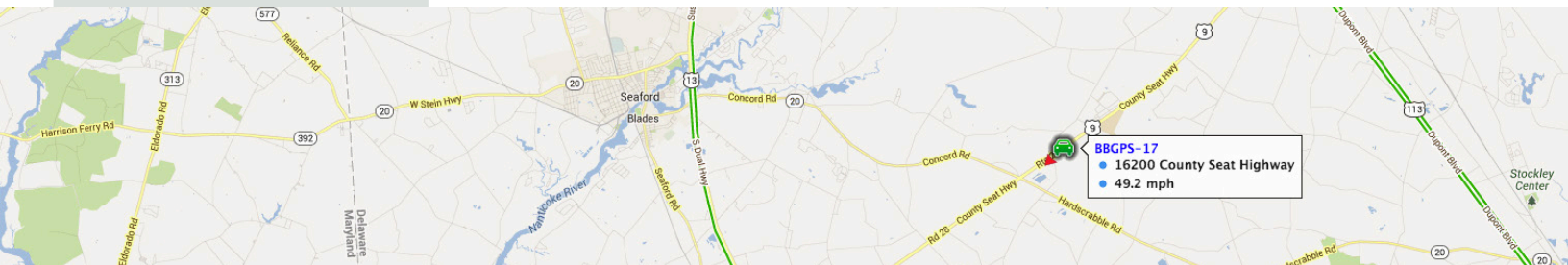
**Operating Voltage:** 3.6v internal battery pack

## SERVICE PLAN

Our **BlackBox GPS Trailer Tracker** service plan is specifically designed to get the most out of the battery operated **BlackBox GPS Trailer Tracking Unit**, while maintaining a low-cost asset tracking solution.

- Once per day location data point for assets that are immobile
- Geo-fence email alerts let you know when your asset has moved
- Key Reports of all positions and alerts
- See location in aerial, satellite or hybrid view
- Street view available in most locations
- On Demand location requests as needed
- Low Battery alerts
- No activation fee
- Web-based and easy to use login from anywhere

\*\* Average life of battery based on low-data service plan and normal use is about 3 to 4 years.



## SPECIFICATIONS

### GPS

Location Technology	50 channel GPS (with SBAS) SBAS: WAAS, EGNOS, MSAS, GAGAN
Location Accuracy	2.0 meter CEP (with SBAS)
Tracking Sensitivity	-162dBm
Acquisition Sensitivity	-147dBm
AGPS capable	Yes

### Cellular

Data Support	SMS, UDP packet data
Operating Bands (MHz)	HSPA/UMTS: 800(VI)/850(VI)/900(VIII)/1700(IV)/1900(III)/2100(I)
Transmitter Power	HSPA/UMTS: All bands, 23 dBm
HSPA Fallback	EDGE/GPRS/GSM quad band EDGE MCS1-MCS9 3GPP Release 6

### Battery Pack

Battery Capacity	57 amp hour
Battery Operating Voltage	3.6 volts
Battery Technology	Lithium ion
Replaceable	Yes

### Environmental

Temperature	-30° ~ +75°C (operating); -40° ~ +85°C (storage)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	SAE J1455
EMC/EMI	SAE J1113; FCC-Part 15B; Industry Canada
RoHS Compliant	Yes

### Electrical

Operating Voltage	3.6V internal battery
Power Consumption	<100 µA @ 12V (deep sleep) 70 mA @ 12V (active standby)

### Physical

Dimensions	2.25 x 2.25 x 10.5", (55 x 55 x 260mm)
Weight	33oz, (907g)

### Other

Mounting	Screw mount Magnetic mount
Connectors	None
Certifications	Fully certified FCC, CE, IC, PTCRB, applicable carriers