

Spark Nano v2.0

Product Manual

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For Tech Support call 646.833.1555



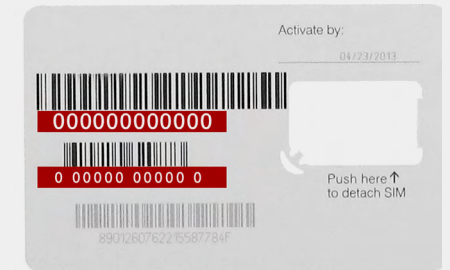
Contents of the Box



Spark Nano



Wall Charger



Cellular SIM Card (Already in device)*

* The missing card is already installed inside of the Spark Nano. Please keep the SIM card holder pictured above. You will need this number during the activation process.

Optional Accessories



Extended 6 Month Battery Kit (With Case)

Supplies power to the Spark Nano 2.0, using your car as the power source



Weatherproof Magnetic GPS Box

Reduces the risk of physical damage to your device



Hardwire Car Adapter

Delivers 6-Months of high-performance battery life to your Spark Nano 2.0

Sign Up for Service

Go to LightningGPS.com to sign up.



Put the mouse cursor over “Activate” under the main menu, then click on “Spark Nano”, or click on “Activate” and then click on “Spark Nano” on the next page.

Pay the activation fee and sign up for monthly service. The activation of your tracker will not be completed until these payments are received.

LightningGPS.com accepts payment with PayPal or credit card. You may also call us directly and sign up over the phone. 646-833-1555 8:30am-5:00pm Monday-Friday PST

Follow the instructions on the website and provide the required information. Be sure that the name associated with the PayPal account and credit card or bank account match.



There are several options for GPRS service. Visit our website for current pricing.

LEDS

GPS LED

Blue

Case 1: Fast flash means the unit is trying to get a GPS fix.

Case 2: It will be solid for 2 seconds when GPS is fixed.

Power LED

Blue

Case 1: Slow flashes mean power is low.

Case 2: Solid for 3 seconds when unit is on and has power.

Case 3: Slow flashes while charging.

Case 4: Solid means charge is completed.

GSM Signal LED

Blue

Case 1: Fast flash means the unit is searching for a GSM signal.

Case 2: Slow flash means the unit is registered on the network.

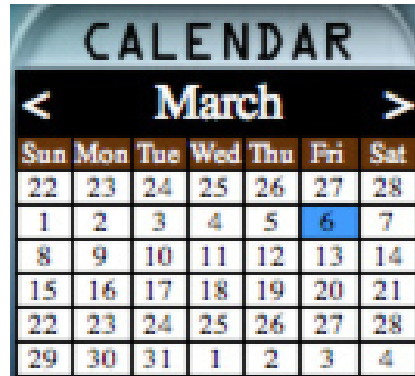
Viewing Data

Your map page requires Internet Explorer 6.0 or higher in order to function properly. To view dates, times and speed of a record, To view dates, times and speed of a record, move your cursor over a specific point.

Virtual Earth



Calendar View



Downloading Data

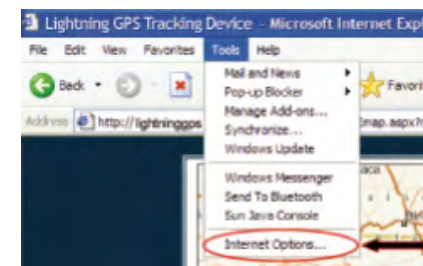
The software automatically saves all location information sent by your tracker to our server. If you wish to keep backups of your tracking data or to use the data in other mapping programs, simply select the date you wish to download using the calendar. Then click on the “Download .csv data” link. The left photo shows the calendar from the current day and the right photo shows the calendar from 2 days before.

You cannot download data for the current day. Dates which have saved tracking data will appear in light blue and the current day will be displayed in dark blue.

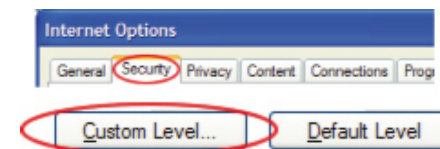


Microsoft Virtual Earth

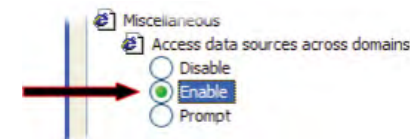
1) If you do not see an address when clicking on a breadcrumb, you will need to change your Internet Explorer browser setting. Select the “Tools” drop down menu, and click on “Internet Options...”



2) Select the “Security” tab. Then Select “Custom Level.”



3) Make sure that the “Access data sources across domains” option is enabled.



4) Most major US cities have special “Birds Eye View” mapping. When Birds Eye View mode is available for an area you are viewing, the navigation tool shown to the right will change to allow you to switch to Birds Eye View.

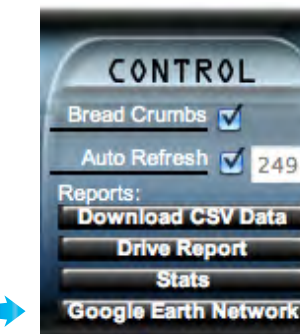


Google Earth

1) Download the free version of Google Earth from <http://earth.google.com>.



2) After installation, select “Google Earth” under the CONTROL panel on your tracking page.

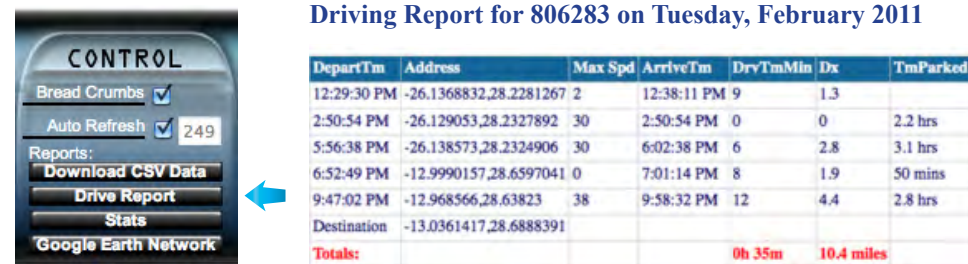


3) Google Earth will automatically open and display the current track on that map. For help with using Google Earth's features, visit <http://earth.google.com>.



Reports

Click the "Driving Report" link under "CONTROL" panel. The report will display in a new window. You must use Internet Explorer to view the reports. Travel data includes street address, duration of stops, mileage, speed and other daily travel data. These reports can be printed by selecting "File" and then "Print" from within Internet Explorer.




Driving Report for 806283 on Tuesday, February 2011

DepartTm	Address	Max Spd	ArriveTm	DryTmMin	Dx	TmParked
12:29:30 PM	-26.1368832,28.2281267	2	12:38:11 PM	9	1.3	
2:50:54 PM	-26.129053,28.2327892	30	2:50:54 PM	0	0	2.2 hrs
5:56:38 PM	-26.138573,28.2324906	30	6:02:38 PM	6	2.8	3.1 hrs
6:52:49 PM	-12.9990157,28.6597041	0	7:01:14 PM	8	1.9	50 mins
9:47:02 PM	-12.968566,28.63823	38	9:58:32 PM	12	4.4	2.8 hrs
Destination	-13.0361417,28.6888391					
Totals:					0h 35m	10.4 miles

Stats

Click the "Stats" link. The report will display in a new window. You must use Internet Explorer to view the reports. The Stats link allows you to see the data for each day data was sent for the month displayed and the monthly/yearly total are of Miles Driven for each month. These reports can be printed by selecting "File" and then "Print" from within Internet Explorer.



Miles Driven 2011

Month	Miles Driven
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Total	345862

February 2011 Stats for 345862

Day	DxDriven	DriveTime	IdleTime	StartTime	StartAdr	EndTime	EndAdr
3	24.1	3.9	1.7	17:34	(Start Address Will Appear Here.)	23:11	(End Address Will Appear Here.)
4	30.6	2.9	3.6	11:45	(Start Address Will Appear Here.)	18:15	(End Address Will Appear Here.)
Totals:	54.7 Miles	6.8 hrs	5.3 hrs				

Support

For support, please click the "Support" tab located at top of the map.



You can choose to contact us by live chat, phone, or email.



GeoFences

A GeoFence is a virtual fence (a square around a certain location) that you can preset online. When the Spark Nano enters/leaves the fence, you will receive an alert via email or a text message on your cellular phone by entering a plus symbol, your country code followed by your cellular phone number (i.e., for the U.S., +12125551234). You will receive a text message on your phone when the GeoFence has been triggered.

To set up a GeoFence, first click the "GeoFence" button. Click on the drop down window "Both". Under this menu you can choose whether you want an alert when the vehicle enters and exits, only enters, only exits, or one shot (alert when the vehicle exits one time). Once a GeoFence is set, it will remain in place until it is deleted. This does not apply for the one shot option.

Enter the email address you wish to receive GeoFence alerts on.

You will need to enter a password. The password is always 0000, unless specified otherwise.

Draw a GeoFence by double clicking on one part of the map and then double clicking again in a different location, surrounding the area you would like to include. An area will be highlighted on the map indicating the GeoFence area. If you are not satisfied, you can repeat this procedure to draw a different GeoFence. Once you are satisfied with the area of the fence, click on "SET".

This can be repeated multiple times to set multiple GeoFences. To view the GeoFences that are set, click on the GeoFence button. The GeoFences are indicated on the map.

To delete a GeoFence, enter the password and click on "DELETE" indicated on the right-hand part of the GeoFence. A window pops up indicating that the GeoFence has been deleted. You must do this for every GeoFence created.



SOS Button:

When pushed and held down for 2 seconds, the panic button will cause the unit to send 20 location reports, 2 minutes apart.

These location points will display on your map page with an SOS alert message. The tracker can be programmed to send the alert messages to a cell phone if you prefer.



For more information please call 646-833-1555

Troubleshooting

“My tracker has stopped sending data.”

Retrieve your unit and replace or recharge the batteries. Try turning the unit off and plugging it into the 12-volt power adapter. Then turn it back on. If you still do not receive data, the unit may need to be reprogrammed. Please contact our support department for assistance.

“The ‘FIX LED’ does not illuminate.”

The unit should get a GPS location fix within a few minutes. If you do not receive a fix, take the unit outside and wait for a few minutes while the unit has a clear view of the sky.

“My tracking page displays yesterday’s data.”

Data is not updated on the map until new positions are reported. Look at the time of the “last report” on the map. If the time of the last report is before midnight central standard time, the current data is from the day before. Your tracker may have stopped sending data, please retrieve the tracker for testing.

If you continue to have trouble or need assistance with your tracker, please call our customer support department at 646-833-1555.

Glossary

Breadcrumb — Breadcrumbs are indicators appearing on tracking maps indicating where a device was located in the past. Each breadcrumb is a point from which the GPS tracker transmitted its location.

GeoFence — A GeoFence is a virtual perimeter on a geographic area using a location-based service. GeoFencing is used with GPS tracking devices, notifying a user when a device enters or leaves an area, usually via email or SMS (text message).

GPRS — GPRS stands for General Packet Radio Service. It is the standard 2G system by which cellular devices transmit data.

GPS Fix — A GPS fix is a positive location of a GPS device.

GSM — GSM stands for Global Standard Mobile. It is the cellular technology used throughout most of the world. In the United States, the two largest GSM providers are T-Mobile and AT&T Wireless.

Panic Button — A panic button is a switch or button that allows an alert to be sent from a device to a predetermined phone number and immediately transmit its location.

SIM Card — SIM stands for Subscriber Identification Module. A SIM card allows a device to speak to a cellular network. In a cell phone a SIM card stores information necessary to the phone’s function, like its phone number, and can be used to store information like SMS messages and contact information on phones connected to a GSM network.