



# Use and Configuration Instructions





- Lightning Real Time Instruments are ready to use right out of the box.
- You can set-up optional Out-of-Range alerts using the “Alert Set-Up” portal on the Cargo Data Corporation homepage [cargodatacorp.com](http://cargodatacorp.com)

# View Shipment Status online—no password required



HOME PRODUCTS NEWS SUPPORT RECYCLING SOFTWARE CONTACT

LOGIN



## Cold Chain Temperature Monitoring Made Simple



Lightning Real Time  
Alert Setup

Enter or Scan Recorder #

Do not use dash(-)

GO



UpLink

TRY  
ME

Retrieve Temperature Data from all types of  
Cargo Data Temperature Recorders Here

Enter or Scan Recorder #

Do not use dash(-)

GO

Enter Serial number  
here to view status of  
your  
shipment anytime

Translate »

# Set-Up Out-of-Range Alerts



## Cold Chain Temperature Monitoring Made Simple



### Lightning Real Time Alert Setup

Enter or Scan Recorder #

Do not use dash(-)

GO



### UpLink

Retrieve Temperature Data from all types of Cargo Data Temperature Recorders Here

Enter or Scan Recorder #

Do not use dash(-)

GO

Enter Serial number to create/edit out-of-range alerts



TRY ME

## LIGHTNING NFC REAL TIME ALERT SETUP



Recorder #	<input type="text" value="9618"/>
Shipper/Location <small>Expedidor/Ubicacion</small>	<input type="text" value="Ventura, CA"/>
Product/Category <small>Producto/Categoria</small>	<input type="text" value="Strawberries"/>
Low Temperature* <small>Temperatura Baja</small>	<input type="text" value="33"/>
High Temperature* <small>Temperatura Alta</small>	<input type="text" value="36"/>
Degrees out for alert <small>Alerta fuera de grado</small>	<input type="text" value="2"/>
Hours out before alert <small>Alerta de horas</small>	<input type="text" value="1"/>
Shipper's Ref #* <small>Expedidor Ref. #</small>	<input type="text" value="Configuration Test 1"/>
Consignee/Receiver <small>Consignatario/Receptor</small>	<input type="text" value="Chicago Berry World"/>
Destination Location or DC <small>Destino/DC</small>	<input type="text" value="Chicago, IL"/>
P.O.# <small>orden de Compra</small>	<input type="text" value="Test"/>
Carrier <small>Portador</small>	<input type="text" value="Best Logistics"/>
Comment <small>Comentario</small>	<input type="text" value="This is a test comment"/>
Emails <small>Limit 5 addresses</small>	<input type="text" value="test@test.com"/>
Text <small>Limit 1 Phone Number</small>	<input type="text" value="18055551212"/> <small>Enter as 18005551212 Note: Limit of 4 text alerts per device</small>
Time zone <small>Zona Horaria</small>	<input type="text" value="(GMT-08:00) Pacific Time (US &amp; Canada)"/>

**Input Temp Range Here**

**Adjust Alert Sensitivity Here**

**Enter PO number here**

**Enter Alert Contacts Here**

**Notes:**

- 1) Cargo Data recommends entry of shipment identifiers like PO Number and Carrier. These identifiers will be included in the Alert notifications, and will serve to clarify which shipment is out of range.
- 2) Lightning Real Time can accommodate 1 text alert recipient and up to 10 email alert recipients.

[Register](#)

## Sample Alert generated by Lightning Real-Time System

LRT serial #: 344223

Shipped on 3/23/2018 1:52 PM PST from Atlanta by CargoData  
Transportation Co.

Product: Bananas

Date/time: 3/27/2018 4:52 AM PST

Temperature range: 30 .. 38

Out of range temperature: 40.9

Carrier: Best Logistics

Comment: Trailer departed 30 min. late

Receiver: Portland Oregon

Receiver Location: IMAT Demo Grocery Chain

P.O.#: 6333TW

Shipper ref #: 5115

See all reported data at

<http://www.imatsystem.com/recorders/344223.aspx>



Click here to view full, up to the minute report

# Sample Live Online Report

**Recorder Serial# 344223**

Recorder Type: LRT

**Shipment Info**

Download Date:	03/28/2018
Start Recording:	03/23/2018 1:52:54 PM
Stop Recording:	03/28/2018 12:09:56 PM

**Add/Edit Range**

Temperature Range:	38.00F...42.00F
Total Time:	4d 21h 15m
Time Above Range:	0d 11h 0m (9%)
Time Below Range:	0d 11h 15m (10%)
Highest Temp:	94.50F
Lowest Temp:	35.25F
Average Temp:	41.00F
Degree Minutes Above:	9138.8F min
Degree Minutes Below:	-450.9F min

Include cooldown in all calculations

**Chart**

Temperature Data in F°

Reset Zoom

Show After Stop

After Stop shows chart only - not included in above calculations.

**Map Location:** Lightning Real Time uses mobile data communications (cell phone) to send data to the "cloud" during transit and employs cell "tower triangulation" for approximate location. Remote areas and urban buildings can affect the communications. Location is approximate and is offered as a no-cost addition to temperature reporting.

**Data Transmission:** In certain areas, extended distances between mobile data network towers may affect the frequency of transmitting data to "the cloud." In such instances, when the Lightning Real Time instrument is unable to connect to the mobile data network, Lightning Real Time saves all data internally. Once a successful connection to the mobile data network is achieved, Lightning Real Time will transmit all saved data to "the cloud."

**DESTINATION/ARRIVAL:** To determine ETA, click on Google label in lower left hand corner of this map. New Google map will appear with pointer (O) indicating last reported location of this Lightning RT recorder. Enter destination in Search box – upper left hand corner. Google will map out various routes and estimated travel time to this destination.

**Reporting Parameters**

Please Select time zone ↓ Back

(GMT-07:00) Mountain Tin

Fahrenheit

**Map Legend**

- ★ First recorded location
- ↑ Enroute
- Latest reported location
- Recorder stopped

Map data ©2018 Google Terms of Use

Click for Numerical report

Yellow shaded Area indicates Light (open Trailer door)

Scroll Map detail

Recorder Serial# 1722096

Back

Recorder Type: LRT

Shipment Info

Download Date: 03/20/2018 11:47 AM  
Start Recording: 03/10/2018 10:47 AM  
Stop Recording: 03/20/2018 11:47 AM

Add/Edit Range

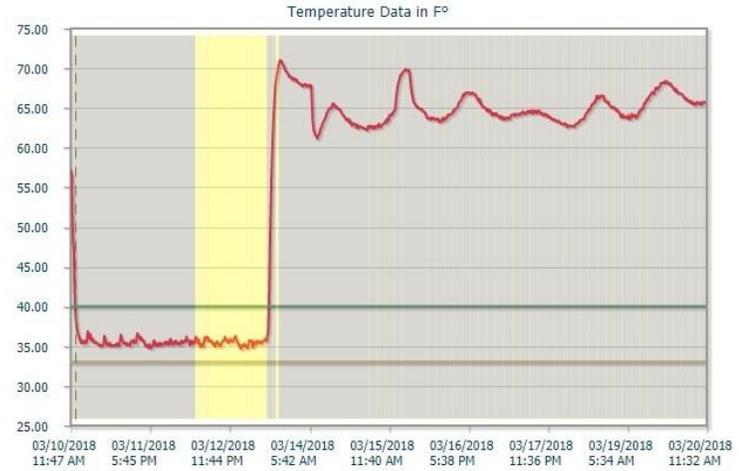
Temperature Range:	33.00F...40.00F
Total Time:	9d 21h 45m
Time Above Range:	6d 21h 0m (69%)
Time Below Range:	0d 0h 0m (0%)
Highest Temp:	71.00F
Lowest Temp:	34.63F
Average Temp:	55.94F
Degree Minutes Above:	247450.3F min
Degree Minutes Below:	0.0F min

Include cooldown in all calculations

Chart Tabular Download/Print

Reset Zoom

Show After Stop  
After Stop shows chart only - not included in above calculations.

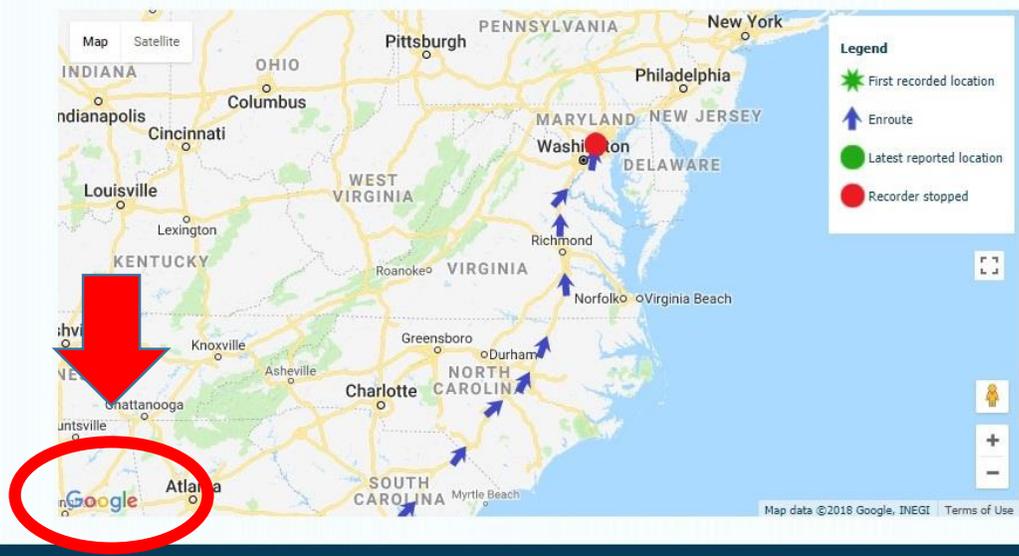


Reporting Parameters

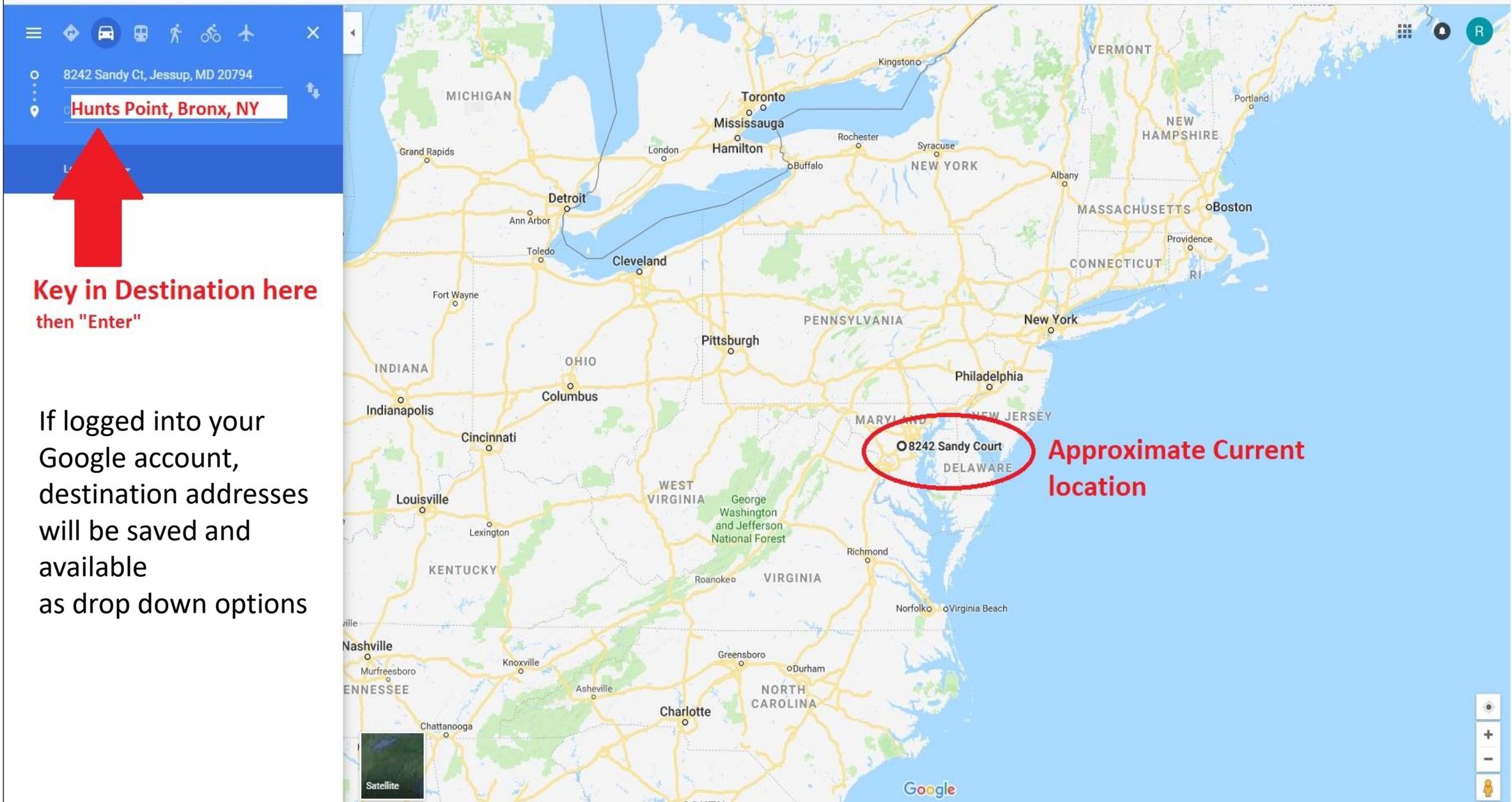
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**Click "Google" Logo for Additional Features**



Key in Destination here then "Enter"

If logged into your Google account, destination addresses will be saved and available as drop down options

Approximate Current location

Note: The reported address is not 100% accurate—only best approximation given tower triangulation technology limitations

← from 8242 Sandy Ct, Jessup, MD 20794  
to Hunts Point, Bronx, NY

**3 h 44 min (218 miles)**

Fastest route, via NJ Tpke, I-95 and I-95 N  
▲ This route has tolls.

- 8242 Sandy Ct**  
Jessup, MD 20794
- > Get on I-95 N from US-1 N  
10 min (3.4 mi)
  - > Follow I-95 N, NJ Tpke and I-95 N to Whitlock Ave in Bronx, New York. Take the exit toward Westchester Avenue/Hunts Point Market from I-895  
3 h 15 min (213 mi)
  - > Continue on Whitlock Ave. Take Bruckner Blvd, Garrison Ave and Edgewater Rd to Avenue A  
11 min (2.0 mi)

**Hunts Point**  
Bronx, NY

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

