# TrekTag 4G Cellular Start Up Guide





# Getting to know TrekTag 4G Cellular.

#### 1. Product overview

TrekTag 4G Cellular single use temperature and humidity data logger is designed for the cold chain. Using high-quality sensitive elements, high measurement accuracy, embedded 4G modules, the measured data is sent to the background system by way of the 4G network for monitoring and analysis, and has the functions of alarm, light, positioning, and USB automatic generating PDF reports. TrekTag 4G Cellular uses a low-power work mode. It is awakened only when sending data and operation and is otherwise it is in sleep mode at other times. The long standby time can bring greater convenience. It is suitable for monitoring of transportation processes such as food, medicine, chemical products, can be used for real - time monitoring, and can also be used for data storage and extraction. It is widely used in all aspects of cold chain logistics, such as refrigerated containers, refrigerated trucks, refrigerated delivery boxes, etc.

### 2. Specifications

Item	Details
Dimension	90mm*64mm*27mm
N.W	128g
Built-in battery	3.7V/3000mAh Lithium battery
GSM antenna	Built-in
Transmission mode	CAT1/GSM
Data storage capacity	Can store 20000 measurement data
Transmit interval	15mins
Temperature accuracy	±0.3°C
Humidity accuracy	±3%
Working temperature range	-20°C~+60°C
Working humidity range	0~85%
Power Consumption	Active mode (avg.) < 100mA
	Sleep mode (avg.) < 50uA
Band	LTE CAT1: LTE-FDD B1、B2、B3、B4、B5、B7、B8、B20、
	B28、B66
	GSM: 850/900/1800 /1900MHZ
Indicator	OK/Alarm
Usage type	Single use
Usage time	60 days (15mins interval)

#### **3. Product Features**



Item	Functions
OK LED	Device status indicator (Green)
Alarm LED	Alarm light (Red)
Light sense	Detecting bright and dark changes
Button	Power on/Check Device Status
USB port	Connect to the computer to automatically generate PDF report

Now that you know more about your TrekTag 4G Cellular unit, it is important to let you know there are 2 different ways to use the logger. The first, more simple way is to simply turn on the logger per the following steps. The logger will take readings every 15 minutes per its default setting and will monitor temperature and humidity at face value readings. Alarm readings would be extreme values. The unit will then be connected by way of USB cable to a computer where a PDF file is automatically generated, providing the information gathered on the shipment. The second, more functional, way to use the logger is to create an account, register the logger unit and be able to track the progress of the shipment in real-time for location, temperature, and humidity, with PDF and Excel reports able to be run while in journey and at journey's end.

# 4. Operation in BASIC MODE

**4.1 Turn on the device** - Press the "Button" key for a minimum of 3 seconds. Successful start-up will have the green light staying on for 5 seconds. It means that the device has been turned on and data will be sent.



**4.2 Normal Operation** - After turning the device on, the device will send data according to the pre-set 15-minute interval, and "OK LED" will flash a green light every 10 seconds or press the "Button" key "OK LED" to flash the green light once and "wake up" the device.



**4.3 Alarm potential** - After the temperature and humidity of the device collection exceed the pre-set alarm range, the device will issue an alarm. "Alarm LED" will flash its red light every 10 seconds or press the "Button" key "Alarm LED" to flash the red light once.



**4.4 System Wake-Up or "Mark"** - Short press the "Button" key when the device is dormant. The device is awakened and immediately sends a data.



**4.5 PDF Report Download** - After using a USB cable (not included) to connect the device with a computer, the computer will read the downloaded information and automatically generate a PDF report. If the real-time data of the device cannot be queried, the historical data of the device can be viewed through the PDF report.



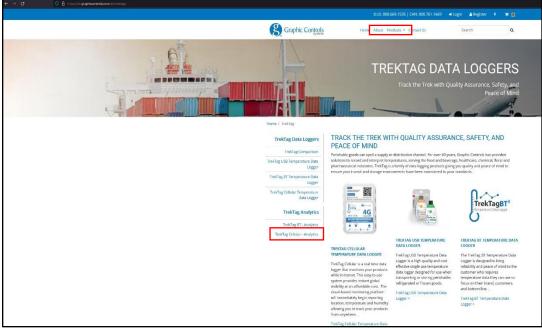
## 5. Operation in REAL-TIME MODE

UNLESS YOU ARE GOING TO ACTIVATE AND USE YOUR LOGGER IMMEDIATELY, DO NOT TURN ON / ACTIVATE YOUR LOGGER. Most of the set up can be done while the logger is not activated and can be done in advance of shipments.

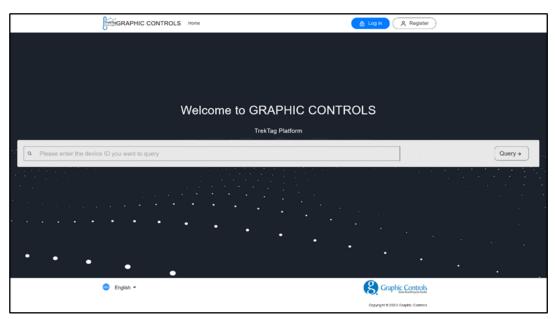
The true benefit of TrekTag 4G Cellular is the ability to see data in real-time. To see the data properly, an account needs to be set up and the logger needs to be registered through the TrekTag domain. There are 2 ways to connect to the TrekTag Cloud domain.

One – go to your browser and enter <a href="https://trektagcellular@graphiccontrols.com">https://trektagcellular@graphiccontrols.com</a>

Two – enter the domain through the Graphic Controls website, <u>https://www.dr.graphiccontrols.com</u> and going to the TrekTag Data Loggers page and locating the TrekTag Analytics link:



You will get to the log in screen by using either method:



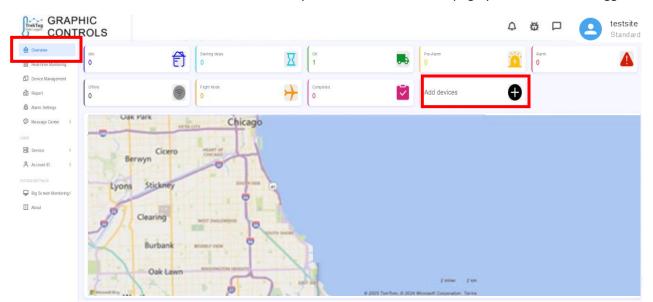
**5.1 - Register or Log-In** – Once at the domain home page you have to sign in to the free software portal used to provide you with your real-time data. Forst time users will need to register. Register with an email and password. Please be careful not to share your information with anyone you do not want to have the information. You will also be able to set up sub-accounts to allow multiple people to view the information captured. Once registered, click the "Log In" button to enter your information.

**5.2** - Set up your full account information – In the account information section, you can modify the account password, email address, mobile phone number, time zone and cancel the account. Fill out as much information as possible up front, and this will save time later. Here is the screen you should be looking for:

GRAPHIC CONTROLS					
Overview	My Account a > My Account				
88 Real-time Monitoring				Modify account p	assword
D Device Management		(	2)	Old Password	
d Report					
Alarm Settings		tes	tsite	New Password	
P Message Center <			liular@gmail.com	Note.	ast be 4 to 18 characters and can only contain letters, numbers and underscores
		+1 60066	91636		6 to 16 characters and can only confain letters, numbers and underscores
Service (		User ID	2493		Save Settings
Account ID ~		User Role	Standard		
A My Account		Session ID: 0954abf3f	3747e583aef27413b29ef8	Modify email and	mobile number
A User Management		Log in time	2024/03/19 11:02:23	E meil	trektagcellular@gmail.com
Crouping and permissions		Login IP	216.194.103.222	Tel	+1+ 8008691535
<ul> <li>Security and privacy settings</li> </ul>					
P Login Information					Save Settings
Deerstion Log				Set language and	1 time zone
					11110 2010
📮 Big Screen Monitoring<				Language	English v
About				Time zone	(UTC 05:00) Bogota,Lime,Quito,Rio Branco 🗸 🗸
					Save Settings
				Delete Accourt	
				U Logging out of t	he account will defete all information associated with the account
					Delete Account
			_		
		-		Conversal D	2024 Grantik Controls

Please keep in mind that if you choose to DELETE your account, all information and saved shipment information will be lost, including any saved .PDF reports, Excel files etc. Be sure to use caution when navigating this section of the set-up process.

**5.3** - Add your Device – You will want to navigate to the "Overview" page, with a tab located on the left side of the screen. The Overview page is a great area of the software because it shows you a variety of units (if registered) and their different statuses. You will be able to see which loggers are active, stopped, headed for an alarm, in an alarm state currently etc. From the Overview page you will ADD new loggers.



After selecting "Add Device", you will see a window which asks you to enter a device name and device number. Device name is what you want to name the device to differentiate it from other devices in your dashboard. The device number is located on the back of the TrekTag unit and is easily recognize below the corresponding barcode. We will cover "Group" in later sections, but if you have multiple trucks, containers etc., that need to have one set of temperature and humidity ranges and a second set that will have an alternate range, you can set up a group to reflect this and assign loggers to that group, which saves on the set up time once the group is set up.

GRAPHIC CONTROLS		Add	۵ ش
GRAPHIC CONTROLS  CONTROLS  CONTRO	Device Anne Device ID Fervice Name Device ID Pervice Name 1 Test Road Trip 2 GCDR-121123 Add Delete	Add * Device Name: * Group: Default Remark: Remark: Add * Group: Default Constituent Remark: Constituent Remark: Constituent Constitu	ф #
Account ID (	Add Delete	Note: Drag the blue marker on the map to set the device address.	

Once set up, you will see in Device Management / Device Details the logger:

Overview	Device Details A > Device > De	vice Details					
Real-time Monitoring	OStart			Road Test 1			
Device Management	Keep butt seconds	on pressed for at least 3		Device ID	1805230000010	20	
Report	Co Monito Trektagcel	Iular.graphiccontrols.com		Device Type	TT18-4G-S		
Alarm Settings	Freit			Group Gateway	Default		
	vions (						
USER				Status: Ook   Last Active	e Time 2024/03/19 13.42 3	4	
Service <		• •		Alarm: No alarm	occurred		
Account ID <							
SYSTEM SETTINGS	A Real-Time Data 🖻 Chart 🌐 List	🗘 Alarm Data 🛛 🕀 Map	d Report 🛛 🖾 Set Up				
Big Screen Monitoring<	Temperature		Humidity			Light	
I About	17.8°C	8	66.9%		<b>○</b> °	Off	莱
	RSSI -75dBm	()	Battery/% 3.54V/10%		3		
	-roubin		0.04 0/10/0				

From the Overview page you will note the status icons to see "at a glance" what you have deployed:

lide 0	Ê	Starting delay 0	Σ	ОК 1	••	Pre-Alarm 0	Ö	Alarm O	
0 0	Įk.	Fight Node 0	≻	Completed 0	~	Add devices	Ð		

Please note this is a demo version of the software so not too many devices are connected. Real world results / users will see a more impactful dashboard.

**5.4 - Setting your temperature and humidity ranges** – Now you will set your temperature and humidity ranges necessary to keep your shipment within specification and keep you at ease that your shipment will arrive as planned, or you will receive an alarm warning that things are not as intended.

From the left navigation choose the tab "Alarm Settings" to take you to the Alarm setting page. There will be a dialog box / window that pops up to allow you to name your alarm type, in this example it is Fresh Fruit. You can set the high / low for temperature and humidity and set the alarm temperature and humidity, in essence giving you the opportunity to take corrective action prior to extremes for each reading occurring. You will note here you can set a "Group" up and when setting up future loggers as described in section 5.3, you can assign to this group and the settings should automatically populate.

Overview	Alarm Settings a > Alarm Setting	anc						~					
	Alarin Octanga way yaam ootan		• Name:		Temperature a settinos	ind hu	midity aları	m					
B Real-time Monitoring	Keywords:		Fresh Fruit		Sensor Channel								
Device Management			• Alarm Type:		Channel1 ~								
ff Report			Temperature and humidit	y alarm 🗸 🗸	Pre-warning low	Р	re-warning I	01/					
Alarm Settings	🗆 # Name	Alarm Type	* Alarm object		temperature lower limit:		umidity lowe nit:	r	rent	Effective tir	ne	Create Time	Operate
Message Center <			O By Account		-4 °C		30	%	annel:1	2024/01/29 0	7:47:00-2025/01/28 07:47:00		
Message Center K	1 Fresh Fruit	Temperature and humidity alarm	<ul> <li>By Group</li> <li>By Device</li> <li>Road Test 1</li> </ul>		Pre-warning high temperature upper limit:	h	re-warning t umidity uppe nit:		L:-4°C.30% H:45°C.70% -5°C.20% 46°C.80%	Sunday, Mo	nday, Tuesday, Wednesday, riday, Saturday	2024/01/29 15:03:24	
Service <			Effective date:		45 °C		70	%					
Account ID <	Add Delete			01/28/2025,07:4 🛱	Low temperature lower limit:		ow humidity wer limit:						< 1
YSTEM SETTINGS			Repeat:		-5 °C		20	%					الغاغا
Big Screen Monitoring<	Note: WL:Waming lower limit		✓ Sunday ✓ Monday ✓ Thursday ✓ Friday	🛛 Tuesday 🔽 Wednesday	High temperatur upper limit:		igh hurnidity pper limit:						
E About	WH: Warning upper limit L.Alarm lower limit		Effective time:		46 °C		80	%					
	H:Alarm upper limit		12:00 AM	11:59 PM	Note:								
					The color of the color of the			a, and					
					1				-				
							Cancel	Savo					

* Name:	Temperatu settings	re and	humidity al	arm
Fresh Fruit	Sensor Chai	nnel:		
* Alarm Type:	Channel1	~		
Temperature and humidity alarm	Pre-warning temperature lower limit:		Pre-warnin humidity lo limit:	0
By Account	-4	°C	30	%
<ul> <li>By Group</li> <li>By Device</li> <li>Road Test 1</li> </ul>	Pre-warning temperature upper limit:		Pre-warnin humidity u limit:	0 0
Effective date:	45	°C	70	%
01/29/2024, 07:4 🗂 01/28/2025, 07:4 🗂	Low tempera lower limit:	ature	Low humid lower limit:	
Repeat:	-5	°C	20	%
🗹 Sunday 🗹 Monday 🗹 Tuesday 🗹 Wednesday 🗹 Thursday 🗹 Friday 🗹 Saturday	High temper upper limit:	ature	High humid upper limit	2
Effective time:	46	°C	80	%
12:00 AM 11:59 PM			warning is ye alarm is red.	llow, and
			Cance	el Save

Once the devices are deployed and you have your parameters set, you will be able to navigate to the left and find the "Real-Time Monitoring" tab to see your dashboard of units. The color coding makes it easy for you to see if you have a good set of shipments or if there are issues that need to be addressed. Here is an example of a set of deployed loggers in action:

	GRAPHIC						
-	CONTROLS					¢.	đ
ම	Overview		180320230309002 180320230309002	<b>111)</b> 3.87V/70%	TAG07BBBB TETETER	□ 3.27V/5%	
	Real-time Monitoring		Temperature	28.5℃	Temperature	26.7°C	
ŋ	Device Manageme	ent	Humidity Light	46.3%	Humidity	57%	
மி	Report		Vibration	Off 	Light Vibration		
Û	Alarm Settings		RSSI		RSSI	-92dBm	
Ð	Message Center	<	2023/09/13 15:43:00	→ View Details	2023/09/13 15:56:22	→ View Details	
cou	INTS AND SETTINGS				-		
	Service	<	861937068814376 861937068814376	<b>3.74V/40%</b>	08211973 08211973	<b>1.63V/100%</b>	
2	AccountID	<					
Ś	Personalized	<	Temperature Humidity	28.55℃ 48%	Temperature Humidity	26.3℃	
ർ	System	<	Light	48%	Light		

The alarm scheme supports multiple groups of alarms. When an alarm occurs on the same device, the system will select the alarm scheme with the largest condition range.

Color description: A. Gray = offline; B. Green= normal; C. Red = alarm; D. Yellow = forewarning of alarm

# **Report Generation**

**6.1** - **Real-time and historical data reporting** – By selecting to the "Device Management" tab on the left side of the page, you will see the list of devices you have logged into the portal. To look at a specific logger, select it from the list and click the black icon at the far right to open up the reports:

Overview Coverview	Device   > Device					
B Real-time Monitoring	Keywords:					
Device Management	Device Name/Device ID		Q Query			
db Report	# Device Name	Device ID	Model	Group	CreateTime Expiration Status	Operate
Alarm Settings     Message Center <	1 Road Test 1	180523000001090	TT18-4G-8	Default	2023/11/29 2026/03/04 19:17:21 11:00:00 •OK	
USER	Add Delete					
Service <						< 1 >
Account ID <						
SYSTEM SETTIN GS						
🖵 Big Screen Monitoring<						
i About						

After selecting the logger, you will have access to different presentations of the information over the course of the logger's journey. **The "Chart", "List", "Alarm" and "Map" tabs provide VIEWS of the data, not downloadable reports**. The information is available for active loggers as well as loggers that are not in service. Once you select the black icon (shown above) you will see different tabs, including a set of charts for temperature, humidity, *Cell strength (RSSI) and battery life remaining (if still active):* 





	• { 90.00 % (Battery)			
00 28. Oct 12:00 29. Oct 12:00 Mor	4.02 V (Voltage)	12:00 1. Nov 12:00	2. Nov	12:00 3. Nov
W W VV UV VVUV V VWV W	M A 30. Oct 31. Oct			V W WASVU

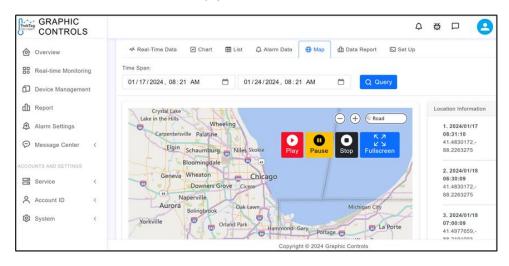
The temperature and humidity information is also available in "list" form by moving to the next tab:

🗚 Rea	al-Time Data 🛛 🗹 C	hart 🖽 List 🗘 Alar	m Data   🕀 Map	🖞 Data Report	🖻 Set Up	
lime Spa		-				
2023/0	9/06 15:49	E 2023/09/13 1	5:49	Q Query		
#	†↓ Temperature	<sup>↑↓</sup> Humidity	↑↓ Light	11 Vibration	↑↓ Time	1
1	27.7℃	67.7%	Off	mg	2023/09/06 16:02:55	
2	27.7 ℃	67.8%	Off	mg	2023/09/06 16:17:55	
3	27.7℃	67.8%	Off	mg	2023/09/06 16:32:55	
4	27.8℃	67.8%	Off	mg	2023/09/06 16:47:55	
5	27.8℃	67.9%	Off	mg	2023/09/06 17:02:55	
6	27.8℃	68%	Off	mg	2023/09/06 17:17:55	
7	27.8°C	68.1%	Off	mg	2023/09/06 17:32:55	
8	27.9°C	68.3%	Off	mg	2023/09/06 17:47:55	
0	27.0%	6.0.60/	044		2022/00/06 12:02:00	

### Alarm history:

₩ Real	-Time Data	🗹 Chart	⊞ L	ist 🛛 🗘 Alarm Data	a 🕀 Map dl Data Report 🗈 Set I	db	
				Associated	Alarm Solutions		
#	Name	Alarm Type	Object	Event	Effective time	Create Time	Operate
1	System	Offline alarm	System	Offline alarm value:120min	1970/01/01 00:00:00 ~2098/12/31 16:00:00 Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday 00:00 ~23:59	2023/09/13 07:57:30	
				Alarm	data occurred		
Time Sp	an: 09/06 15:49		Ē	2023/09/13 15:49	C Query		

Current location / location history if not still active:



**6.2** - Data report downloads – Reports can be downloaded to PDF and / or Excel for record keeping and for use when shipments have damage or spoilage. For the chosen datalogger, you will see the report history and the reports are available in .PDF or Excel format.

-∧ Real-Time Data	P Chart	🎛 List	🗘 Alarm Data	<b>()</b> Мар	Report	⊾ Set Up
Q Search	FileName/S	hipment	ID		Searc	hNew
ස් Trip Report	🛢 Data Quer	у				
QuickLook		04	2930	•••		

To create a new report, select the "Data Query" tab, then click "New" and it opens a window that allows users to create a file name and custom date range to be included in the report output.

New Report	$\times$
* File Name:	
* Start Time:	
04/26/2024, 08:20 AM	5
* End Time:	
05/03/2024, 08:20 AM	3
Note: File names can only be composed of letters or numbers, and are case-insensitive.	

Some sample outputs:

The PDF report format is as follows:

Summary page is the cover page and then the subsequent pages are the data that was captured at each interval, as set by you, the user:

CONTROLS	DATA REP	ORT							
evice Test Road Trip		Data ID: 2083-a1b31dfb2ad	04af3945d2945abea891a						
eviceID: 180523000001107	Type: TT18-4G-S	Ver: -							
etting									
g Interval: 15 Min									
ummary sgin Time: 2024-01-11 14:46:10 nd Time: 2024-01-18 14:30:09 umber of Points: 733 ip Length: 6d 23h 43m 59s arm	Max:         24.8°C(Temp)/57.6%(RH)           Min:         19.39°C(Temp)/24.9%(RH)           Avg:         21.5°C(Temp)/37.5%(RH)           MKT:         21.5°C	0							
1. Temp & Humdhy Alam Settings MH 2010, 15% MH 2010, 20% H 2010, 20% H 2010, 21% Effective Time Cost-0-40 et 20.00, -2050-01.00 (20.00) Longy Annya Tambig Webweisy, Timedy Analysis On - 2000									
				GR/ CO	APHIC NTROLS	DATA	REPORT Data 10:	2083-a1b31dfb2ad0	4af3945d2945abea85
Tensorting 201 201 201 201 201 201 201 201	248+12 20045+14 20045+10000000000000000000000000000000000	200401-10 200401-10 200401-17 20 113337 10:5525 08:0529 2	Nemittych) 57.6 54.3 53.3 53.8 52.5 51.5 15.2 52.4 54.5 54.3 52.2 52.5 54.5 54.3 52.2 52.5 54.5 54.3 52.5 54.5						
	I	Data page ex	ample:						

Excel format is slightly different presentation of the information:

Summary Sheet:

A		в	
1	Data ID	2083-a1b31dfb2ad04af3945d2945a	ibea891a
2	Time Base	UTC5:0 yyyy-MM-dd HH:mm:ss	
3			
4	Information		
5	Device		
6		Device Name	Test Road Trip
7		Device ID	180523000001107
8		Device Type	TT18-4G-S
9		Ver	
10	Setting		
11		Log Interval	15 Min
	Logging		
13	Summary		
14		Begin Time	2024-01-11 14:46:10
15		End Time	2024-01-18 14:30:09
16		Number of Points	733
17		Trip Length	6d 23h 43m 59s
18			
19		Max	24.8°C(Temp)/57.6%(RH)
20		Min	19.39°C(Temp)/24.9%(RH)
21		Avg	21.57°C(Temp)/37.5%(RH)
22		MKT	21.5°C
	Extra		
24	File		
25		Арр	Cloud v1.0.0
26		Create at	2024-01-18 14:41:41
27			
28 29	trektagcellular.graphiccontrols.com		
30			
31			
32			
33			
3/1		1	
	Contract Summary	Data 🕂	

⊿ A	В	С	D
#	DateTime	Temperature °C	Humidity
2 1	2024-01-11 14:46:10	22.5	25.7
3 2	2024-01-11 15:01:10	22.4	25.6
4 3	2024-01-11 15:16:10	22.3	25.4
5 4	2024-01-11 15:31:10	22.3	25.3
6 5	2024-01-11 15:46:10	22.4	26.8
7 6	2024-01-11 16:01:10	22.5	25.6
8 7	2024-01-11 16:03:37	22.5	25.8
9 8	2024-01-11 16:12:21	22.6	27.6
10 9	2024-01-11 16:16:10	22.8	26.9
11 10	2024-01-11 16:26:56	22.9	27.2
12 11	2024-01-11 16:27:04	22.9	27.2
13 12	2024-01-11 16:31:10	23	27.1
14 13	2024-01-11 16:38:31	23	27
15 14	2024-01-11 16:38:42	23	27
16 15	2024-01-11 16:46:10	23	26.9
17 16	2024-01-11 16:51:29	23	26.2
18 17	2024-01-11 16:51:32	23	26.2
19 18	2024-01-11 17:01:10	23	26.1
20 19	2024-01-11 17:02:34	23.1	25.9
21 20	2024-01-11 17:02:36	23.1	25.9
22 21	2024-01-11 17:16:10	23	26.2
23 22	2024-01-11 17:31:10	22.8	25.9
24 23	2024-01-11 17:46:10	22.5	27.3
25 24	2024-01-11 17:47:47	22.5	27.5
26 25	2024-01-11 18:01:10	21.8	27.6
27 26	2024-01-11 18:16:10	20.7	25.8
28 27	2024-01-11 18:31:10	20.7	24.9
29 28	2024-01-11 18:46:10	19.39	25.5
30 29	2024-01-11 18:46:35	19.39	25.5
31 30	2024-01-11 19:01:10	20.1	35.8
32 31	2024-01-11 19:16:10	20.8	36.6
33 32	2024-01-11 19:31:10	21.1	36.9
34 33	2024-01-11 19:46:10	21.3	37.5
35 34	2024-01-11 19:52:01	21.5	37.9
36 35	2024-01-11 19:52:02	21.5	37.9
37 36	2024-01-11 20:01:10	21.5	37.1
67		54 F	500 D
	→ Summar	y Data	+

Lastly, you can adjust the interval for readings in the "Set Up" tab within the Device Management page. Keep in mind the default is readings every 15 minutes, which allow for 60 days monitoring. 60 days is the known maximum number of days for monitoring. If you increase the readings interval, you will shorten the number of days of logging, i.e. 10-minute interval may shorten to 45 days of readings.

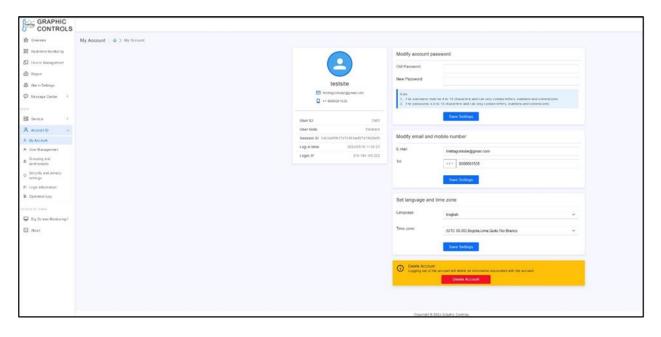
Also, if you know there will be airflight involved, the logger can be set to go into "airplane mode" so it is not looking for cell service during the flight. In this example we have allowed for 30 minutes to get to the flight and the flight duration oof 4.5 hours. The unit <u>WILL CONTINUE</u> to take readings, they will not transmit or be visible on cloud during flight.

≁ Real-Time Data 🖾 Chart 🏛 List 🗘 Alarm Data 🕀 Ma	p dl Report 💽 Set Up		
Set the device data sending interval	Data transmission interval 15	© Minute	▶ Send
Set Airplane Mode	Enable Enter airplane mode Exit airplane mode           Image: Constraint of the second	C Minute	▶ Send
Custom Command	Input Command		► Send

Data Sheet:

# **Account Settings**

**7.1 - Basic settings** - In My account, you can modify the account password, email address, mobile phone number, time zone and cancel the account. Remember that once an account is canceled or deleted the information is not recoverable.



**7.2 Sub-accounts** - Sub-accounts can be easily added from the User Management tab. Manage users with the "Add" / "Delete" buttons. To edit a user, click the icon with the pencil.

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GRAPHIC CONTROLS								t <del>i</del>
@ Overstow	User M	anagement   🌰 >	AAccount ID > User Managem	ent				
BB Real-time Monitoring	Keymon	is.						
Derice Management	User#	lama/Email/Tel			Q Query			
db Report								
Airm Battings	⊖r.	UserName	User Role	E-mail	Tel	Status	Registration	Operate
🗭 Message Center 🗧	01	emartari	Standard	wmarfun@graphiccentrols.com	+1 7 98-725-7415	Nomal	2023/05/11 17:17:38	0
UCER	<b>⊇</b> 2	Instram64	Sub account	whartungrolloro.net	+1 716 769 4712	Nomal	2024/82/08 11:27:18	0 8 0
🗄 Service 🤇	3	potor4945	Sub account	po140328jyzheo.com	+1736-018-8135	Normal	2024/06/28 14:37:57	0 🖬 📋
A Account ID V		wouter123	Sub account	whusesheiggraphiceontrols.com	+1 7 100 (56 455	Nomal	2024/04/20 05:65:53	0 12 10
A User Nanagement								
Grouping and parmissions		Add Delete						
<ul> <li>Security and privacy settings</li> </ul>								
P. Login Information								
2 Operation Log								

Revise	×
UserName:	
peter4945	
E-mail:	
po14032@yahoo.com	]
Tel:	
+1 * 716-849-6455	]
User Role:	
Sub account V	]
Change Password:	1
Note: 1. The username must be 4 to 18 characters and can only contain letters, numbers and underscores. 2. The passwords is 8 to 16 characters and can only contain letters, numbers and underscores.	
Cancel Save	Ð

Within the User set up, you can set up a sub account user with all permissions, "Sub account", and you are also able to set up sub accounts with view or "query only" access / permission.

Revise	$\times$
UserName:	
peter4945	
E-mail:	
po14032@yahoo.com	
Tel:	
+1 - 716-849-6455	
User Role:	
Sub account	~
Sub-account (query function only)	
Sub account	
Note: 1. The username must be 4 to 18 characters and can only contain letters, numbers and underscores. 2. The passwords is 6 to 16 characters and can only contain letters, numbers and underscores.	
Cancel	ive

**7.3** - **Permissions** – If you have not set up device groups, there will be a default "Group". However, if you set up your devices to be within specific groups, you can set up permissions for sub accounts to view all or select groups:

GRAPHIC CONTROLS	
Overview	Grouping and permissions a Account ID > Grouping and permissions
Real-time Monitoring	# Group name Sort Remark
Device Management	1 Product Type 1
d Report	2 Test 1 1 2 Revise C Permission D Delete
Alarm Settings	
	Add
USER	
Service <	
😤 Account ID 🛛 🗸	
옷 My Account	
A User Management	
Grouping and permissions	
Security and privacy settings	
P Login Information	
Operation Log	

Click the "Permission" button on the left navigation options to reveal the groups. If users did not set up specific groups, a default group will appear.

In the following example, we have selected group "Test 1" and clicked Permission, which reveals all the sub accounts that are set up by the account manager. We have checked the peter4945 and Wouter123 sub accounts as having access to the Test1 group of loggers.

Grouping and permissions		Account ID > Grouping and p	permissions				
	#	Group name	Sort	Remark			
	1	Product Type	1		🛛 Revise	Permission	<u> Î</u> Delete
	2	Test 1	1		🛛 Revise	Permission	聞 Delete
		Add					
			Setting permi	ssions			×
Grouping and permissions	) > %A	ccount ID 🗦 Grouping and permi	s trufram64	✓ peter4945		vouter123	
	#	Group name Sort	Note:				
	1	Product Type 1	Only checked	users can access the group			
	2	Test 1 1				[	Cancel Save

Now that this is set up, a sub user may sign in to the TrekTag domain at <u>https://trektagcellular.graphiccontrols.com</u> and sign I using their user name and password. They will have full access or query-only access to see the loggers.

**8.1 – Big Screen Monitoring** - This is possible. If you have a vast network of loggers, you can get a quick location visual using Big Screen Monitoring.

Set the logger group to be monitored, all or a specific group:

GRAPHIC CONTROLS		
Overview	Big screen monitoring settings	
Real-time Monitoring	Select device Selected Device(0/10)	
Device Management	> All	
B Report	> Product Type Choose a template	
Alarm Settings	Test 1     WIEI Cooler     WIEI Cooler     デーアンドの中国な	
Message Center <	WIFI Cooler     Seefood Show	0.0064
USER	• BOL#1124169	
Service <		
Account ID <		······································
SYSTEM SETTINGS		
Big Screen Monitoring-		
Big screen monitoring settings		
🖵 Big Screen Monitoring		



Then choose "Big Screen Monitoring" from the left navigation options to reveal a large dashboard:

Now you are set to use the TrekTag Cellular device. Use the device in a variety of applications and ranges to make sure valuable shipments make it to their destination according to the transit specifications.

The Graphic Controls TrekTag Team