Enable Bluetooth on a Track-It™ Pressure/Temp, Vacuum/Temp Data Logger

Bluetooth Communication

How To

Bluetooth Low Energy (LE) communication module is used as an alternative for all activities allowed with USB connection including configuration and data retrieval.

The Bluetooth LE logger connects only during an advertising period. Consistent with Bluetooth LE usage, the logger is usually configured to advertise intermittently on a schedule. The advertising schedule is programmable considering convenience of data access and conservation of battery life; either can break the connection manually or automatically in the case of weak signal loss. The logger can be configured to advertise continually but a USB power source is recommended.

Bluetooth LE is not the same as standard Bluetooth. It is not paired and will not show up in a Bluetooth device scan. Bluetooth LE is only seen by Monarch Instrument's free **Track-It**[™] **DataLogger Software** and **Track-It**[™] **Transporter App for Android devices**.

How to enable Bluetooth LE using Track-It DataLogger Software:

- 1. Install free download.
- 2. With software running and pressure logger connected, click on the *Read Config* tab.

DataTable	Summary Overlay (Graphs Device Setu	P						
	General Input	Trigger Alarm Die	ingger Alam Display Menu Bluetooth LE						
	PRESSURE DI	SPLAY LOGGER		Serial No: 4200003	Time: 0	7/20/2023 11:35:00	0		
	Unit Tag:]	Use PC	System Time	Set Time		
	Sample Rate: 0	H:MM:SS:ms 1:00:00 - 0	24 hrs Cyclic	c Mode Enable Recon	d Time: 2730 Days 1	6h00m00s	View Setup		
	Start Recordin			Input			Input Setup		
	On Send (No Dutton Press	w) 🔄 Synch Line	•	CH 1 Pressure	PSI	Enable			
	O Start Time: 07/20/2023 11		5:01 Set Start T	Time CH 2 Temperat	une "F	Enable			
	O Advanced -	Setup		Cite tempere		C Chan			
				BATTERY: G	DOD	Free Memory: 100	0%		
_	Device				PC				
	Read Config	Send Config	Resume Recording	Stop Recording	Load Config	Save Config	Connect		
1							_		



HOW TO Enable Bluetooth LE

3. Click on the Bluetooth LE tab.

ataTable Summary Overlag	y Graphs Device Set	up					
General Input PRESSURE Unit Tag Sample Rate: Start Plecom © On Send 0 Button Pier O Stat Time: Advanced	Tripper Alam D DISPLAY LOGGER HH: MM:SSms 01:00:00 (2: 0) = 0 dag Now)Sinch Tai 80 07/20/2023 11:1 Setup	A Si 24hys Cyclic re 5501 C Set Start Te	en LE enial No: 420000 Mode Enable Reco CH 1 Pressure CH 2 Tempera BATTERY: 10	3 Time: 0	7/20/2023 11:35:00 System Time S 90:00m00s N Enable D Enable Free Memory: 1001	Set Time New Setup put Setup	
Device Read Config	Send Config	Resume Recording	Stop Recording	PC Load Config	Save Config	Connect	

4. Check Enable Advertising

Track-It Data	Logger					-		×
File Preference	es Devices Setup Wizard He	lp						
araph DataTable	Summary Overlay Graphs Device	Setup						
	General Input Troper Alam MAC Address: CIR221 Advertaing Seting ⊡ Enable Adv Wake Up Advertaing	Display Menu Bluetoot 303.49 BC estaing extraing disecond 4 second	th LE	wer +0 dBm	Y			
	Device			PC	_	_		
	Read Config Send Config	Resume Recording	Stop Recording	Load Config Si	ave Config C	onnect		
		Send	Factory Config					
						USB Co	nnected	

5. Click Send Config.



Bluetooth is now enabled on the pressure logger. Although Bluetooth is enabled on the device, advertising is <u>not</u> turned on.

Enabling advertising on data logger:

NOTE: Having Bluetooth continually advertise will have a significant impact on battery life. It is recommended to have Bluetooth enabled on the device and not set *BLE* to *SCHD*. In this configuration, Bluetooth will only advertise for approximately 10 seconds whenever any button is pressed. Start the Track-It Transporter app and press a button to allow display of the device, then connect to it. Using the Bluetooth in this manner should have minimal impact on battery life.



