## **Connecting External GPS to TC-100**

## **Pair External GPS**

1. Search for "Bluetooth and other devices settings" in the search bar and select it.



Click and hold R2 power button for 2 seconds to turn it ON.

- 2. Verify **Bluetooth** slider is turned **ON**.
  - a. Click "+" Add Bluetooth or other device

ி Bluetooth & other devices
+ Add Bluetooth or other device
Bluetooth On Now discoverable as "DESKTOP-DOQ2EPL"
Other devices
Paired EH. WACHS ERV-750-6788E3 Paired
GNSS52216 Paired
Show notifications to connect using Swift Pair When selected, you can connect to supported Bluetooth devices quickly when they're close by and in pairing mode.
Download over metered connections To help prevent extra charges, keep this off so device software (drivers, info, and apps) for new devices won't download while you're on metered Internet connections.
Related settings

b. Click Bluetooth



c. Wait for **R2** device to show up and select it. Click **Done** to finish.

Add a device	Your device is ready to go!	
Make sure your device is turned on and discoverable. Select a device below to connect.		
[Signage] Samsung QMR Series Display	R2, 6017S14511: Trimble Paired	
CP-8851 Audio		
다. Unknown device		
្រ្តា Unknown device		
Unknown device		
J. Unknown device		
R2, 6017S14511: Trimble		
Cancel	Done	

d. Verify R2 shows up as "Paired". Scroll down and click More Bluetooth Options.

Settings –
GNSS:52216 Paired
R2, 6017S14511: Trimble Paired
Show notifications to connect using Swift Pair When selected, you can connect to supported Bluetooth devices quickly when they're close by and in pairing mode.
Download over metered connections To help prevent extra charges, keep this off so device software (drivers, info, and apps) for new devices won't download while you're on metered Internet connections.
Related settings
Devices and printers
Sound settings
Display settings
More Bluetooth options
Send or receive files via Bluetooth

e. Click the **COM Ports** tab on the top. Identify the **COM Port** for **R2 Trimble'COM2'** device. In this example the COM port is **COM25.** Remember this COM port as it will be used in Vitals Mobile. **Click OK.** 

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ocumenta	tion that cam	e with your Bluetooth device.
Port	Direction	Name
COM19	Outgoing	GNSS:52216 COM2
COM20	Incoming	GNSS:52216
COM21	Outgoing	GNSS:52216 'GNSS Server'
COM22	Incoming	GNSS:52216
COM23	Incoming	R2, 6017S14511: Trimble
COM24	Outgoing	R2, 6017S14511: Trimble 'COM1'
COM25	Outgoing	R2, 6017S14511: Trimble 'COM2'
COM26	Incoming	R2, 6017S14511: Trimble
COM27	Outgoing	R2, 6017S14511: Trimble 'COM3'
COM28	Incoming	R2, 6017S14511: Trimble
COM7	Outgoing	E.H. WACHS ERV-750-5DFFA2 'Ger
COM8	Incoming	E.H. WACHS ERV-750-5DFFA2
<		>
		Add Remove

- 3. Launch Vitals Mobile from TC-100
  - a. Select the **Settings** button from left menu.
  - b. Select the **GPS** tab in the settings window.

	About ashboard
Connection GPS D Current Device: Auto-discover serial port Open Serial device Serial port: COM25 Baud rate:	ashboard
Current Device: Auto-discover serial port Open Serial device Serial port: COM25 Baud rate:	
Auto-discover serial port Open Serial device Serial port: COM25 Baud rate:	
Auto-discover serial port Open Serial device Serial port: COM25 Baud rate:	
Auto-discover serial port Open Serial device Serial port: COM25 Baud rate:	
Open Serial device Serial port: COM25 Baud rate:	
Serial port: COM25 Baud rate:	
COM25 Baud rate:	
Baud rate:	
4800	
Connect	
Disconnect	
Device GPS Messages	
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- c. Change the following settings:
  - i. Serial Port: COM25 (identified from previous step)
  - ii. Baud rate: 4800
- d. Click "Connect".

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≡	Diagnostics	Help	About	≡	Diagnostics	Help	About
	Connection	GPS	Dashboard		Connection	GPS	Dashboard
∕∕~_	Current Device:			∕∕~_	Current Device: SerialPo	ortDevice ( port=	-COM25, baud=4800 )
0 J	Auto-discover s	serial port			Auto-discover :	serial port	
	Open Serial device			0.0	Open Serial device		
	Serial port:				Serial port:		
	COM25	Ý			COM25	v	
	Baud rate:				Baud rate:		
	4800	r -			4800	Ŷ	
	Connect	Disconnect			Connect	Disconnect	
	Show Messages (	OFF O	N				
	Device GPS Mess	ades			Snow wessages (		ON
					Dovico GDS Moce	2000	

e. Click the **Dashboard** button to go to the home screen.



f. Wait until GPS Status says Ready and GPS Source is COM25 (yours will be different).

Vitals Mot	itals Mobile - TC — 🗇 🗙					
≡	Dashboard					
$\mathbb{M}$	GPS Status: Re GPS Source: CC	ady LAT: N 42.1918 M25 LONG: W 87.93	3143 Quality: 2 89612 Satellites: 5			
	Total Valves 40 Modified Valves 28 Total Activities 26 Last Data Transfer 6/24/20 Date	22	True North: 217.1			
	Full Text Search					
	Drag a column header and drop					
	ValvelD T	Dist. from (ft) T	Heading <b>T</b>			
	2735	2389088	81			
	2838	2395886	81.5			
	2840	2396077	81.5			
	2843	2396371	81.5			
	2844	2396827	81.5			
	2998	2392878	81			
	3110	2394207	81			
		B 2402020	Page 1 of			
	Query result: 35					
Ö		00				

g. Click **Controller** button and make sure you connect to the valve turner.



h.

i. Once connected to the valve turners click **START** to initiate the GPS.





j. Now click **Back** and you can **save** your Activity with GPS data.