R1 Connection to Tablet

- 1. Turn on and sign into tablet
- 2. Turn on R1 device by pressing the power button located in the center of the device.
 - a. Both light indicators will turn green, then battery light will be green, then both flash yellow and finally only the satellite will flash blue then yellow (blue light indicates R1 trying to connect to tablet).
- 3. Once tablet is powered up click on the search magnifying glass
- 4. Type in *bluetooth*



5. Select Bluetooth and other device settings



Settings		-	\times
မ် Home	Bluetooth & other devices		
Find a setting	Add Bluetooth or other device		
Devices	-		
	Bluetooth		
Bluetooth & other devices	On On		
B Printers & scanners	Now discoverable as "T79CTW116BRG008"		
D Mouse	Mouse, keyboard, & pen		
🖬 Touchpad	Alps Touchpad		
Typing	Other devices		
🖉 Pen & Windows Ink	Citrix Indirect Display Adapter		
AutoPlay			
Ö USB	C goodie		
	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.		
	Turn on Rhietooth even facter		

6. Click on + Add Bluetooth or other device

7. Select Bluetooth



8. Select the device that starts with GNSS



9. After the device is selected a pop-up window should appear that states the device paired



Settings			×
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Find a setting	Add Bluetooth or other device		
Devices	Bluetoath		
Bluetooth & other devices	On		
员 Printers & scanners	Now discoverable as "T79CTW116BRG008"		
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D USB			
	GNSS:73380 Paired		
	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.		

10. The device should be listed under the Other devices list

- 11. Close out of Bluetooth & other devices
- 12. Click on the search magnifying icon and type in GNSS



13. GNSS Status app should appear – click on it

=	All Apps Documents	Settings	Photos	More V Feedback	
â	Best match				
	MINSS Status Desktop app		\rightarrow	*	
	Settings (1)			GNSS Status Desktop app	
				□ Open □ Run as administrator □ Run as different user □ Open file location -□ Pin to Start -□ Pin to taskbar □ Uninstall	
8	𝒫 gnss Status				

14. The GNSS status app looks like this when it opens

🐴 GNSS	Status	-	\times
≡	Home		
	igcup		
	Connecti	ng	

15. The app will state that either the R1 or Internal Receiver is connected



16. Even if the R1 is said to be connected click on the 3 lines next to Home and select source



17. Even if the R1 is listed under Recent click on the drop down menu under Position Source and Select Bluetooth

省 GNSS Status —	o x	🐴 GNSS Status —	
Source		🔳 Source	
Recent GNSS:73380 Position Source Please select	~	Recent GNSS:73380 Position Source Please select Please select Location Services Bluetooth	
Select		Select	
		1	

18. Select your R1 from the list under Available Devices – should start with GNSS



19. Click on the 3 lines next to Home and click on NMEA

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	Home		
♠	Home		
۲	Source		
tult	Status		
٥	Preferences		
*0	GNSS		
6	Licensing		
3	Corrections	RACY	
۲	NMEA		
í	About		
×	Exit		
			Î

20. Click on the >> to move all the NMEA strings over and then click Apply

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	× 🖻	🔳 NMEA		× 🔊
Available	Selected	Available		Selected
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ggk >			<	GGK
GLL >			<	GLL
gns >			<	GNS
gsa >			<	GSA
gst >			<	GST
gsv >			<	GSV
			,	0.46
> *	*	>		«
Appl	у	Apply		

21. Select the Bluetooth SSP1 port

🐴 GNSS Status	-		\times			
\leftarrow NMEA						
Select Port						
Bluetooth SPP1						
Bluetooth SPP2						
Bluetooth SPP3						

22. Then click the save icon in the upper right corner and minimize the GNSS app

NSS Status		-		\times
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Available			Sele	cted
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23. Open Collector and Sign In

Collector for ArcGIS		σ	×
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	This layer is protected: Routes more		
	Usemane ad\thom1kel		
	Pessword		
	Remember credentials		
	Sign In Cancel		

24. Open map you are using





25. Click on 3 lines next to map title and click on settings -

26. Click on Location and then Integrated Receiver



27. Click on + Add a receiver

Location accura	жу		GPS Receive	rs			
Set required locatio	o accuracy for data colle	aon.	Current				
Accuracy report legent location acc 95% cc Location profile Central transformat Default Location provid Central reverse are integrated Rece	t transprinkty a bighar prob infidence a from of hazations: from GP for of hazations: from GP for the collect location inform there	ubitty 55 recuryor.	Antenna Hele	Receiver ht 000 m			
Antenna Height	0.00 m	Ļ	+ Add a red	eiver	_		

28. Select the R1 device and click Continue

Collector for ArcGIS				-	Ø	×
Collection Locatio Location accuracy Set required location accuracy for data 30 Feet Accuracy report Report location accuracy using a higher	rollection.	Add Receiver				
 95% confidence Location profile Control transformation of locations from Default Location provider Current source used to collect location Integrated Receiver Antenna Height 0.00 m 	an GNSS receiver.	Connected				
		Continue	Cancel			

29. Leave Antenna height at 0 and click Add

lector for ArcGIS							-	σ	×
SETTINGS									
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Default									
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Integrated Receiver Antenna Height 0.0	0 m								
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30. Select R1 device

Collector for ArcGIS	(+)	٥	×
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• 95% confidence Other Location profile GNSS:73380 Control transformation of locations from GHSS receiver Antenna Height 0.00 m			
Location provider Current source wired to collect tecation informations Integrated Receiver Antenna Height 0.00 m Add a receiver			
Close			

31. Click Switch



32. Click Close

Collector for ArcGIS		- 5 ×
= SETTINGS		
Collection Location General	About	
Location accuracy Set required location accuracy for data collection.	GPS Receivers	
30 Feet 🗸	Current	
Accuracy report Report location accuracy using a higher probability.	GN55:73380 Antenna Height 0.00 m	
95% confidence	Other	
Location profile Control transformation of locations from GNSS receiver.	Integrated Receiver Antenna Height 0.60 m	
Default		
Location provider Current source used to collect location information.		
Integrated Receiver Antenna Height 0.00 m		
	+ Add a receiver	
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33. Click on 3 lines next to Settings and Click on the Map you opened

Colle	ctor for ArcGIS					-	0	\times
-	SETTINGS							
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	30	Feet ~						
	Accuracy report Report location accuracy use 95% confidence Location profile Control transformation of loc Default Location provider Current source used to collect GNSS:73380	ng a higher probability. ce cations from GHSS receiver. ct location information.						
	Antenna Height 0 m							

34. Click on the Image above Maps to get back to the map

Collec	tor for ArcGIS		+	Ø	×
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Ra	Maps				
☆	Favorites				
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$\overline{\gamma}$	On Device				
0	Kellie Thom				
ŝ	Settings				

35. Your Collector location in the lower right corner should match what you GNSS status states for accuracy

Collector for ArcGIS							D X
HydInfra Inspection						\$ ¢	+ …
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Search D		ALALLES	1111111	1222222	2004401014 2004401010	****	The states of th
There are no collectible layers visible. Check layer visibility or your map scale.					systematics and		1. Jogenerg al
			agent groups	all a loss of the			29#

If the Collector Location box is red or the accuracy is not matching what is shown in GNSS status, then the R1/GNSS is not really talking to Collector.

 Check that the NMEA strings are really being sent out of GNSS. Sometimes the NMEA strings get move to not being sent even though they always had been sent previously.