Getting Started – Pairing

Your average Smart Phone has GPS accuracy of around **30 feet**.

The Android TDC100 has GPS accuracy of around **12 feet**.

A Smart Device paired with the Trimble R1 has GPS accuracy of around **3 feet**.

Pairing your smart device with the Trimble R1

1. Put the Trimble R1 into Pairing Mode
   1. Hold the power button until the left button starts **blinking BLUE** – it will go through a series of colors



1. Turn the Bluetooth on for your smart device:
   1. Go to **Settings > Bluetooth >** turn **On**
   2. Under “**Available Devices**” select the **GNSS** device to “Pair it” with the R1
      1. If the GNSS device is not found, try turning Bluetooth back off & back on
      2. If it’s still not found, hold the power button on the R1 till there is 1 red light, and let go to turn it off. Then start back at step 1)
   3. Now that your device is paired with the R1, ***you should not*** have to go through this step again, unless you are Pairing the R1 to a different device.
2. Open the GNSS Status App, it should look similar to this:



1. Now click on the **Big Yellow Button** at the bottom, it should say **“Location Services”**
2. Under **Position Source**, click **Please select…**
3. Click **Bluetooth**
4. It should now show **Available Devices** – and list the **GNSS device**



1. Click the **GNSS device**
2. On the bottom, click the **Big Blue Button** that says **Select**
   1. The **Big Yellow Button** should now display the **GNSS device name**
3. You should now see your Estimated Accuracy drop, and eventually you will see ***SBAS*** along the bottom.

**Continue >** Only after you have the **R1 properly paired** up, and your GNSS Status **Accuracy is below 5 feet**.

1. Minimize the GNSS Status App (leaving it on) by clicking the Home button on your smart device.
2. Now open the **Collector** app
3. Sign in to Collector
   1. If you are using an Android device, you will need the url to your online map
      1. If you don’t know it, ask an ORWA employee, or email me at [joe@ohioruralwater.org](mailto:joe@ohioruralwater.org), and I will get it for you.
   2. Now enter the Username & Password that was established when you activated your ESRI account
      1. If you don’t know it, ask an ORWA employee, or email me at [joe@ohioruralwater.org](mailto:joe@ohioruralwater.org), and I will get it for you.
4. Once logged in, you should see your System Map – ***Do not open your map yet***
5. Open Settings
   1. On Apple – click the icon on the top right, and select **Settings**
   2. On Android devices – click theicon on the bottom right and select **Settings**
6. Find the Provider setting – and click on it
   1. On Apple it is **Provider**
   2. On Android it is **Location provider**
   3. It should say **Integrated Receiver**, and have the **GNSS device** below it
7. Click on the GNSS device to switch to the R1’s GPS
8. Now **exit the Settings**, and **Open your System Map**
9. Once the Map has finished loading, look at the accuracy in the bottom left corner to confirm that you are getting enhanced accuracy*. If it is not below 5 feet, it is not working properly.*

