ALFX Survey Guide

Step 1: Prepare for Surveying

A. Log in to your WPN2 account with the ALFX cloud credentials provided by 64seconds: login email and password.
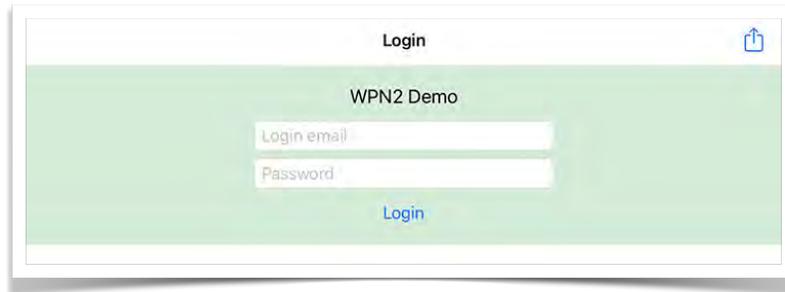
B. In the Map view, tap Tools -> ALFX
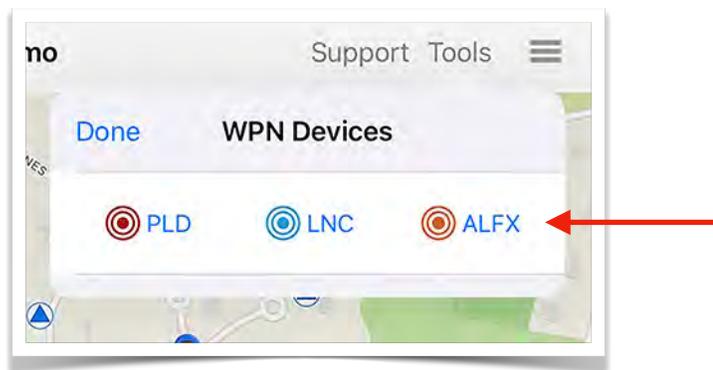
C. In the ALFX Main view, tap the **Leak Surveying** button.
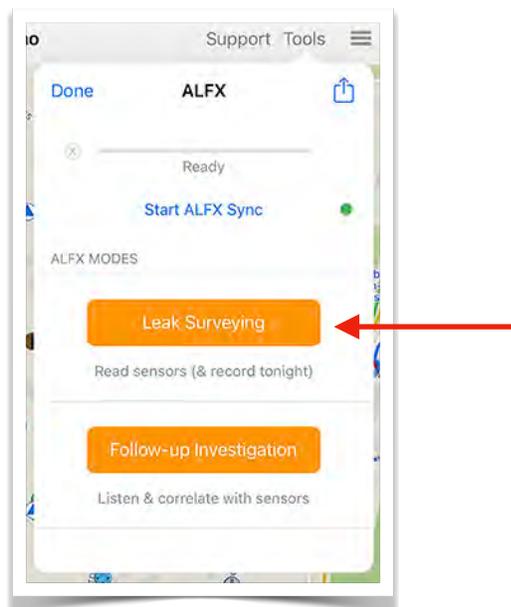
D. Turn on the ALFX Controller by touching the magnet to the target symbol on the endplate of the Controller (the red LED will illuminate.)

E. In the ALFX Surveying view, enter the 5-digit Controller serial number (*65xxx*) in the box with the placeholder Serial # and tap **Link**.
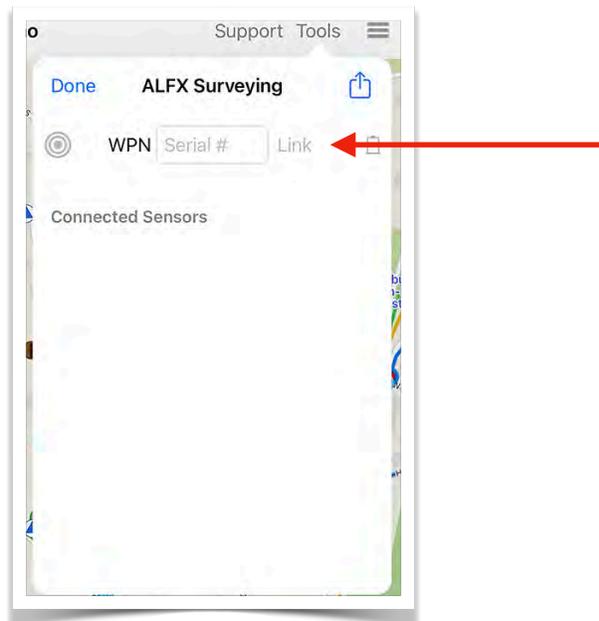
Step 2: Reading ALFX Sensors

A. As you drive up to the first ALFX sensor:

  • The sensor will connect and the WPN2 app will make a 'connected' 2-tone sound.
  • The sensor ID will display under 'Connected Sensors' with a green (connected) dot.

B. Once connected, the WPN2 app will start communication with the ALFX Sensor and perform the following sequence of processes:

  1. Read last night's recorded data
  2. Read the sensor's 64-night history
  3. Sync the sensor with the ALFX Controller
  4. Schedule a correlation recording at 3:00 AM the following morning

The progress bar in the ALFX Surveying view advances on completion of each process.
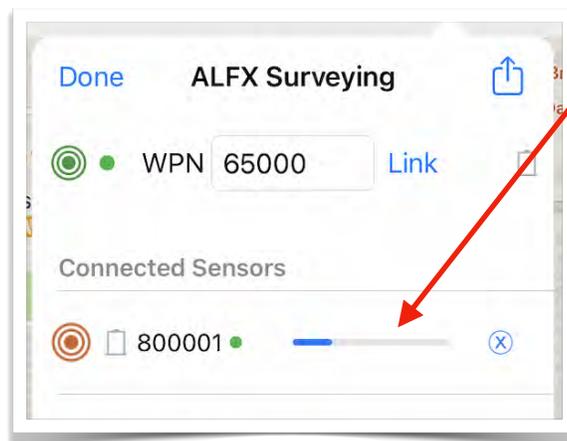
C. Wait for the communication to complete successfully. The WPN2 app will make a 'successfully read' 3-tone sound. You now can drive to the next sensor.

Note: From initial connection to successful completion typically takes between 6 and 10 seconds, the vehicle can be moving slowly or stationary.

D. On occasion, communication between the sensor and the WPN2 app might be interrupted due to one of the following:

1. If communication fails, a Read button will appear. Press the Read button and the sensor and WPN2 app will resume communication from the point it was interrupted.
2. Also, the sensor may disconnect, for example, if it is out of range. To resume communication, approach the sensor. When it connects, press the Read button.

NOTE: The ALFX sensors are available to survey between 7:00 AM and 3:00PM, Monday through Friday. If it is necessary to complete the surveying of a sensor outside of these hours, touch the target on the side of the ALFX Sensor to "wake it up" while you are in the Surveying view in the WPN2 app. The sensor will automatically be read.

Step 3: Cloud Syncing

At the end of the day, or after surveying sensors, in the ALFX Main view, tap **Start ALFX Sync** to sync ALFX data, including installations, survey readings and follow-up recordings, with the ALFX Cloud.

If the *connection dot* to the right of **Start ALFX Sync** is green, then you are online and able to sync. If it is yellow and Start ALFX Sync is grayed out, it means the WPN2 app is offline and you cannot sync now. The surveying data has been saved, so you will be able to sync later, when you have either a strong Wi-Fi or cellular signal.
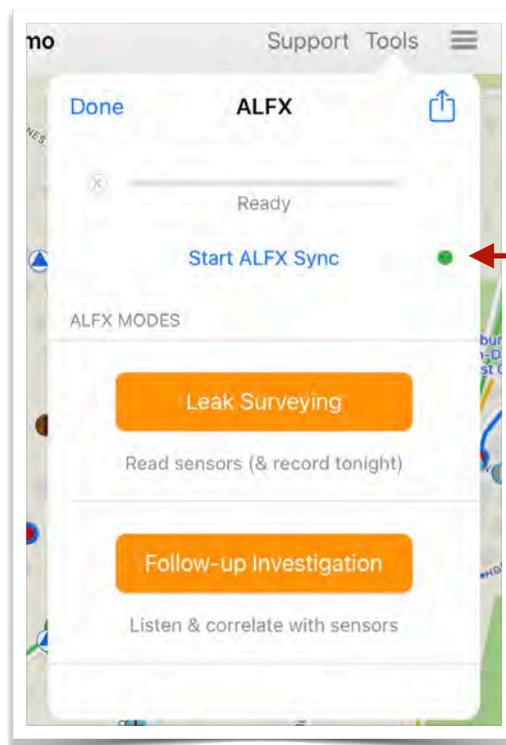
Items Needed for Surveying

A. iPad or iPhone with 64seconds' WPN2 app installed
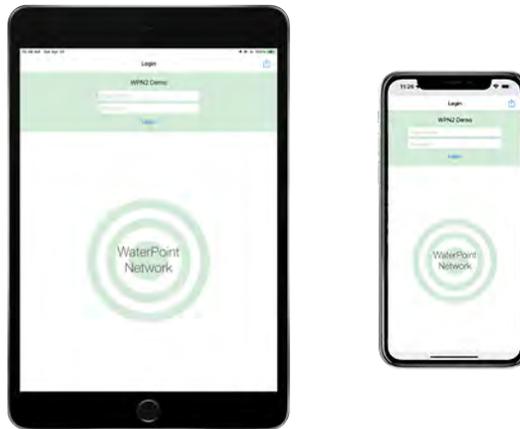
B. ALFX Controller & Controller Holder mounted on the inside of the survey vehicle's windshield

Slide the ALFX Controller into the ALFX Controller Holder. Affix the Controller Holder to the windshield in a central position, for example, under the rearview mirror, by removing the tape from the back of the attached velcro strip (See *ALFX Controller Setup Guide*).

Windshield position.