Quick Start Guide to Completing Your BackpAQ

Ok, so you’ve built your BackpAQ device and it turns on. Now what? Here’s what to do next. This is a quick summary of the next steps…please refer to the Instructable for details and photos.

**Step 1**:

Your device powers on and the display looks like this:

 Hint: Make sure you have a charged LiPO battery!

What you are seeing at the blue line is the Wifi prompt, asking you to go to a web browser and connect via the SSID of “BackpAQ”. Once you do this a capture portal screen will appear which looks like this:

A screenshot of a cell phone

Description automatically generated

Click on the top button – “Configure WiFi” and you’ll see this screen:

A screenshot of a social media post

Description automatically generated Hint: This dialog will NOT work with a challenge screen like that found at places like Starbucks.

This is a list of all WiFi SSIDs BackpAQ can “see”. Select the one you wish to associate you’re your BackpAQ device and type in the password. Congrats, you’re connected, and you should see this on your BackpAQ display:

A circuit board

Description automatically generated

This display starts a 35 second timer, to give the PM sensor some time to “warmup” (stabilize). When the timer is up, you should see this on the display:

A circuit board

Description automatically generated

If you are seeing this, your device is fully functional and you are getting reading from the sensor. Congrats again, you’ve completed Step 1 and are ready to complete the configuration steps of sending data to your smartphone, and then sending the data to the Thingspeak cloud.

**Step 2**

Next we’ll clone the BackpAQ app into your own smartphone.

<this section coming later tonight>