# PFC_EDU: Food Computer User Interface (the “UI”)

Connect to your EDU, connect to the internet, register and get growing!

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# Have you completed your build?

Are you ready to connect to the Food Computer User Interface (UI)? By the end of these instructions, you'll be able to use a Climate Recipe to grow plants in your Personal Food Computer (PFC_EDU).

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# Oh, the steps you'll take to grow...

This guide will help you…

1. Connect your computer to your PFC_EDU
2. Login to the OpenAg Brain (system dashboard), where you will
   - Connect your PFC to Wifi
   - Register your PFC with the OpenAg Cloud
   - Create your account in the Food Computer UI
3. Once you have an account in the Food Computer UI, you will
   - Link PFC(s) to your account, create a profile, download a Climate Recipe
   - Get growing!

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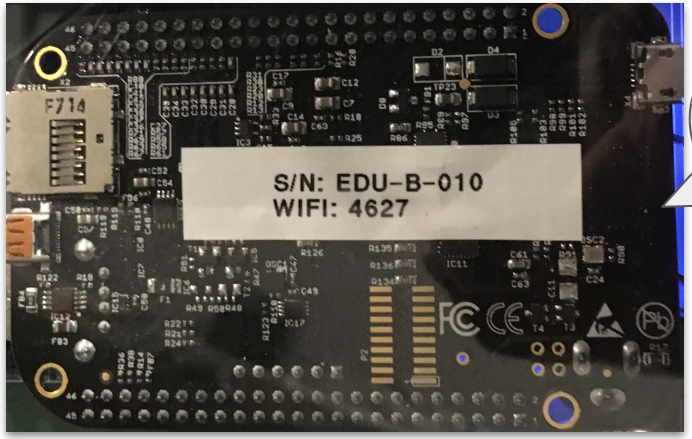
# STEP 1 | Connect your computer to your PFC

1. Make sure your PFC_EDU is plugged into an electrical outlet.
2. Look for the Serial Number (S/N) sticker on the Central Nervous System (CNS) on the top of the PFC_EDU. The CNS is the green electronics board. The sticker says **S/N: EDU-X-XXX**.




**You'll use that WIFI code to connect your computer to the BeagleBone on the PFC_EDU in the next step.**

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# STEP 1 | Connect your computer to your PFC

3. Connect your computer to the BeagleBone that will be in your available Wifi networks (**BeagleBone-XXXX).** The password for the BeagleBone is "**BeagleBone**." Unique, we know.

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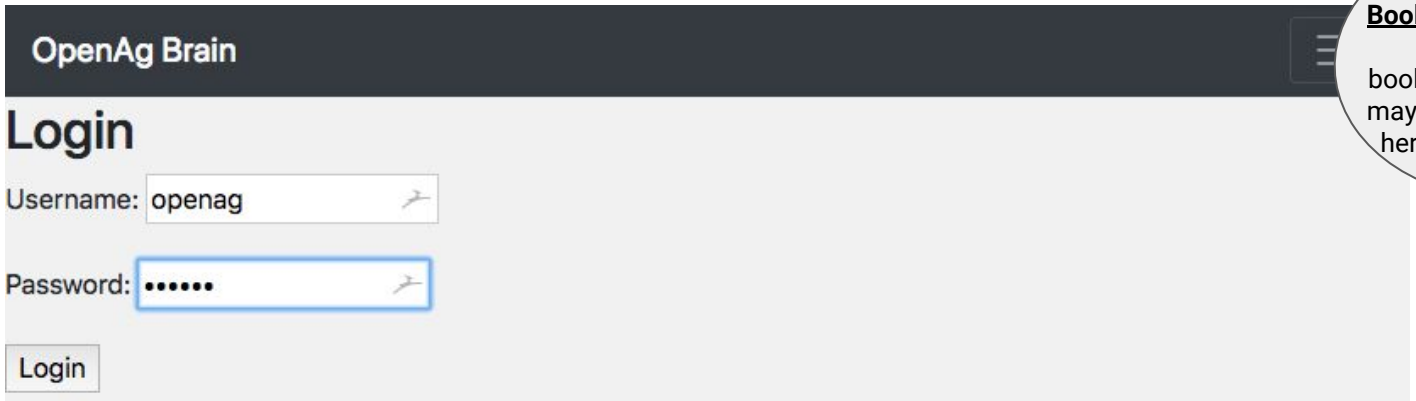
# STEP 2 | Connect your PFC to Wifi

1. Open a tab in your browser and type in this URL**:** http://192.168.8.1
2. You're now in the **OpenAg Brain,** the advanced system dashboard for your PFC_EDU.
3. Log in with User: **openag** Password: **openag** (unique, we know)




**Bookmark #1:** Save this link as a bookmark/favorite. You may need to come back here for tech support.

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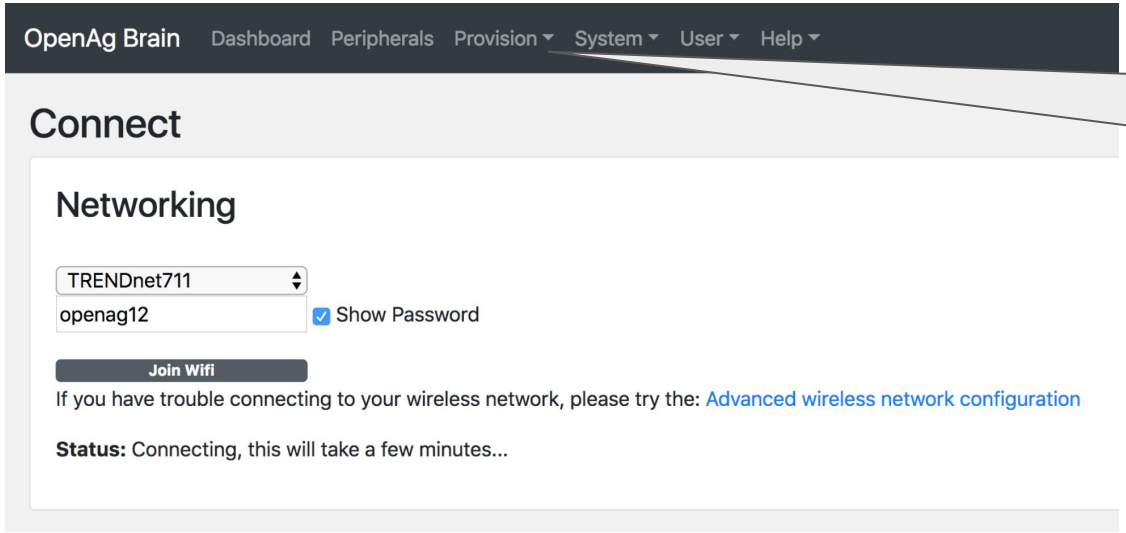
# STEP 2 | Connect your PFC to Wifi

4. Once logged in, you should automatically be sent to the **Connect** page, under the **Provision** dropdown (ignore other OpenAg Brain tabs for now).




**If you are not automatically sent to the *Connect* page, then manually click on *Connect* under the *Provision* dropdown.**

**You may need help from your IT professional to connect using the *Advanced wireless network configuration* page.**

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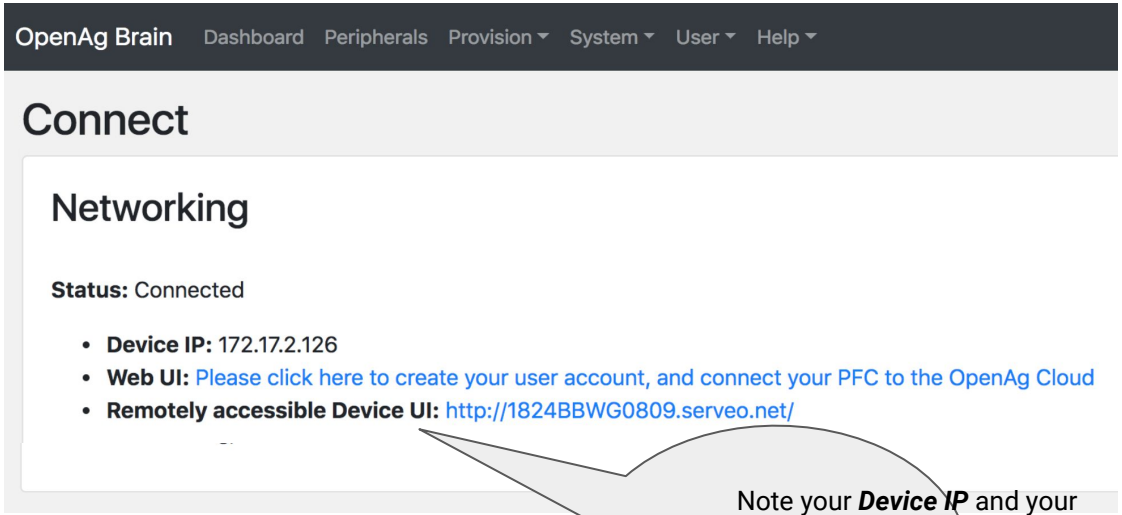
# STEP 2 | Connect your PFC to Wifi

5. Under **Networking**, select your local Wifi from the list, and type its password.

6. Click the **Join Wifi** button. Wait a minute or so for the **Status** to show **Connected**. Your PFC_EDU is now connected to the internet in your local Wifi!




Note your ***Device IP*** and your ***Remotely Accessible Link***. You will only need this information when requesting tech support.

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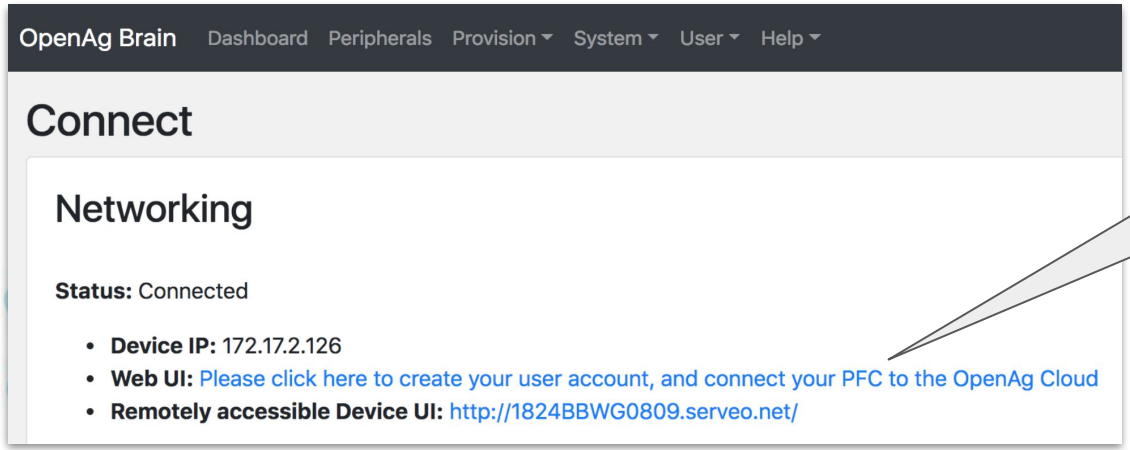
# STEP 3 | Register your PFC in the OpenAg Cloud

You computer is connected to the PFC_EDU, the PFC is connected to the internet, now you need to register your PFC_EDU in the OpenAg Cloud.

1. Click the link next to “Web UI.” This will open a new tab, where you’ll create an account in our browser-based **Food Computer User Interface**, and register your PFC in the OpenAg Cloud.




The **OpenAg Cloud** is how all the PFCs communicate with each other & with the Open Phenome - where Climate Recipes are created and stored.

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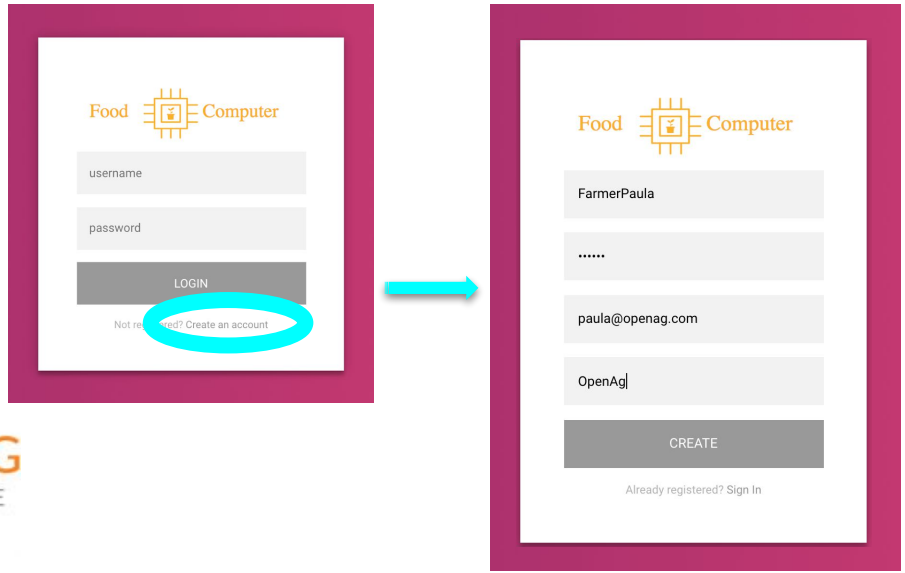
# STEP 4 | Create an Account in the Food Computer UI

1. You should be on a new tab, at the **Food Computer UI** login page. The URL is https://openag-v1.appspot.com. Click **Create an Account** (below the login button).
2. Create a Farmer Name* (username), password, add your email, & your organization's name. You'll complete the rest of your profile later.

*Your username - or **Farmer Name** - will be shown as a hashtag when you post on **Twitter** from the Food Computer UI, so choose wisely!

**Bookmark #2:** Save this link as a bookmark/favorite. It's Food Computer UI for easy access:

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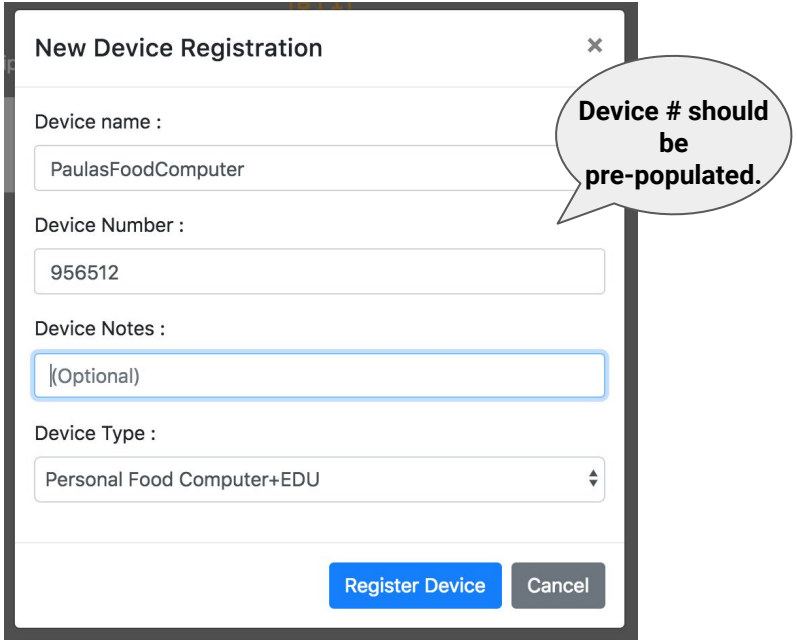
# STEP 5 | Connect your PFC to your UI Account

Once you've created an account, a pop-up dialog will the appear. This is where you connect your PFC with your UI account.

1. Give your PFC_EDU a name (this will appear on Twitter and the Forum), any device description you'd like, and make sure PFC_EDU is selected for **Device Type**.
2. Click **Register Device**.

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# STEP 6 | Using the Food Computer UI

1. On your computer, go to your Wifi selection, and reconnect your computer *back* to your local Wifi (not the BeagleBone Wifi).

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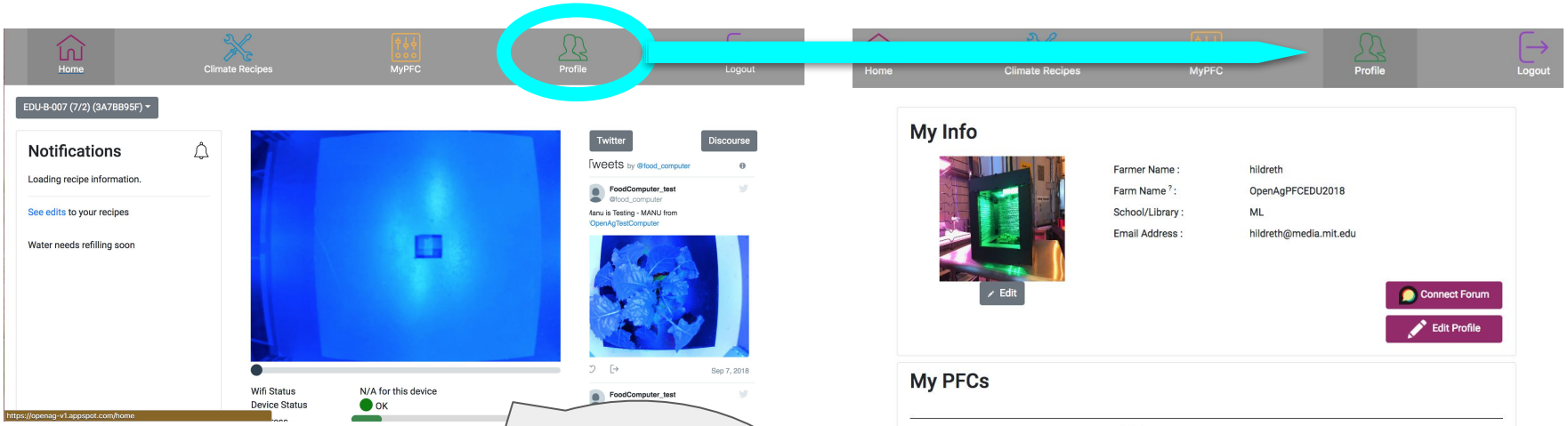
# STEP 6 | Using the Food Computer UI

2. You're on the Homepage. To get started, update your profile.




**Be patient. It can take up to 5 minutes for data and status information to show up on your homepage, and up to an hour for the first picture to appear.**

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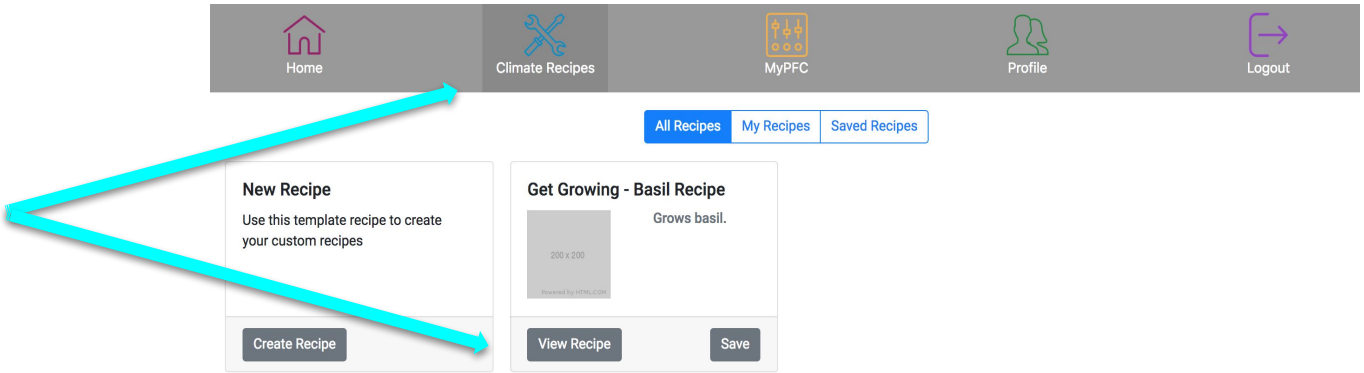
# STEP 6 | Using the Food Computer UI

3. Next, go to **Climate Recipes**.

4. Click “View Recipe” for the **Get Growing Basil** Climate Recipe.

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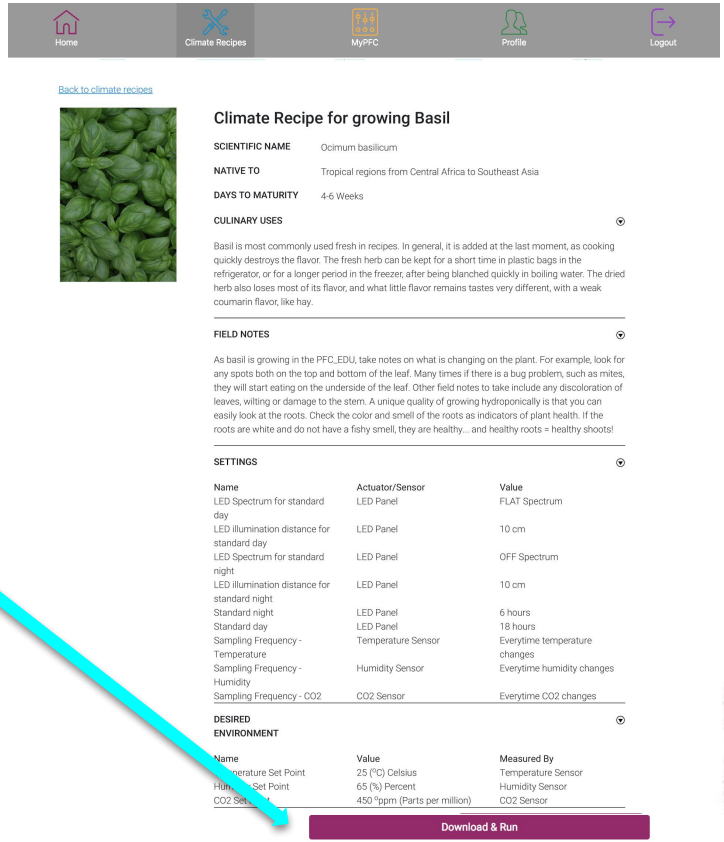
# STEP 6 | Using the Food Computer UI

5. Check it out, and click **Download & Run**.

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# STEP 6 | Using the Food Computer UI

6. Wait a few minutes, and before you know it, the white spectrum LED lights should come on. **Your PFC_EDU is now on, connected, registered, and ready to grow!**

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