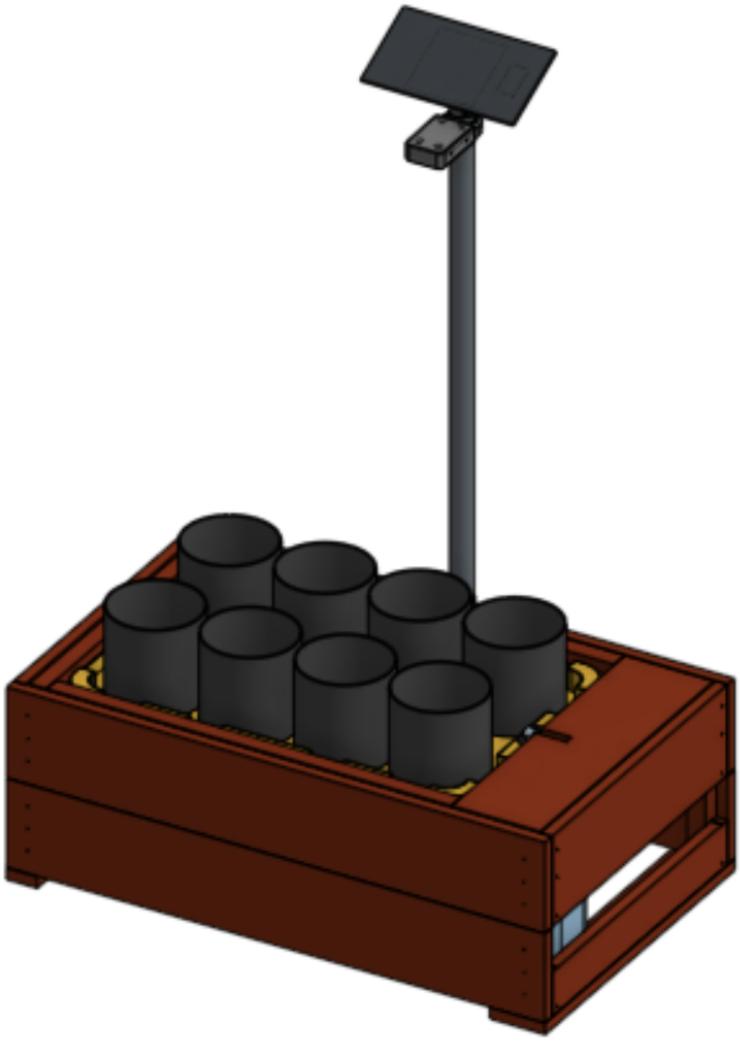
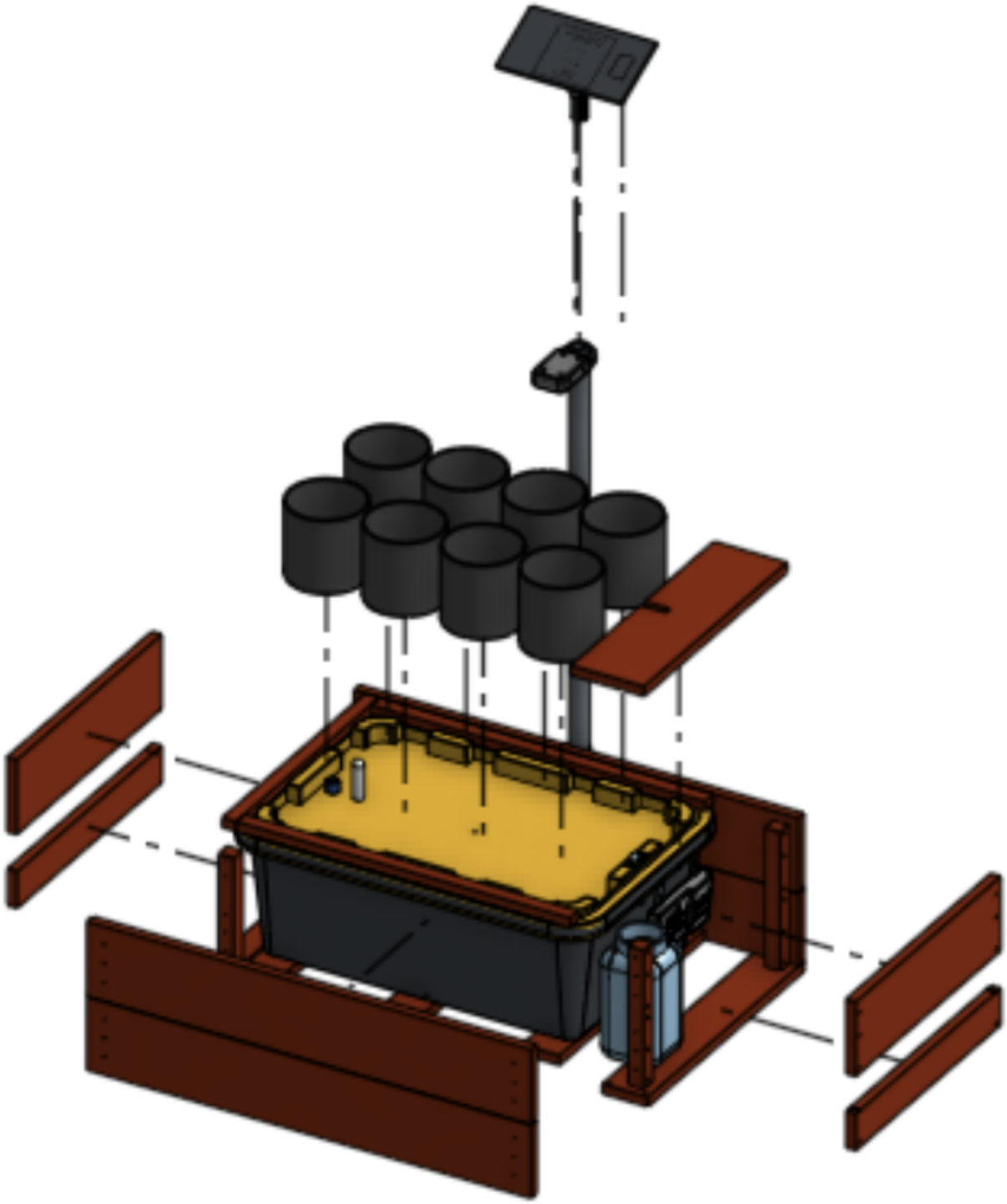
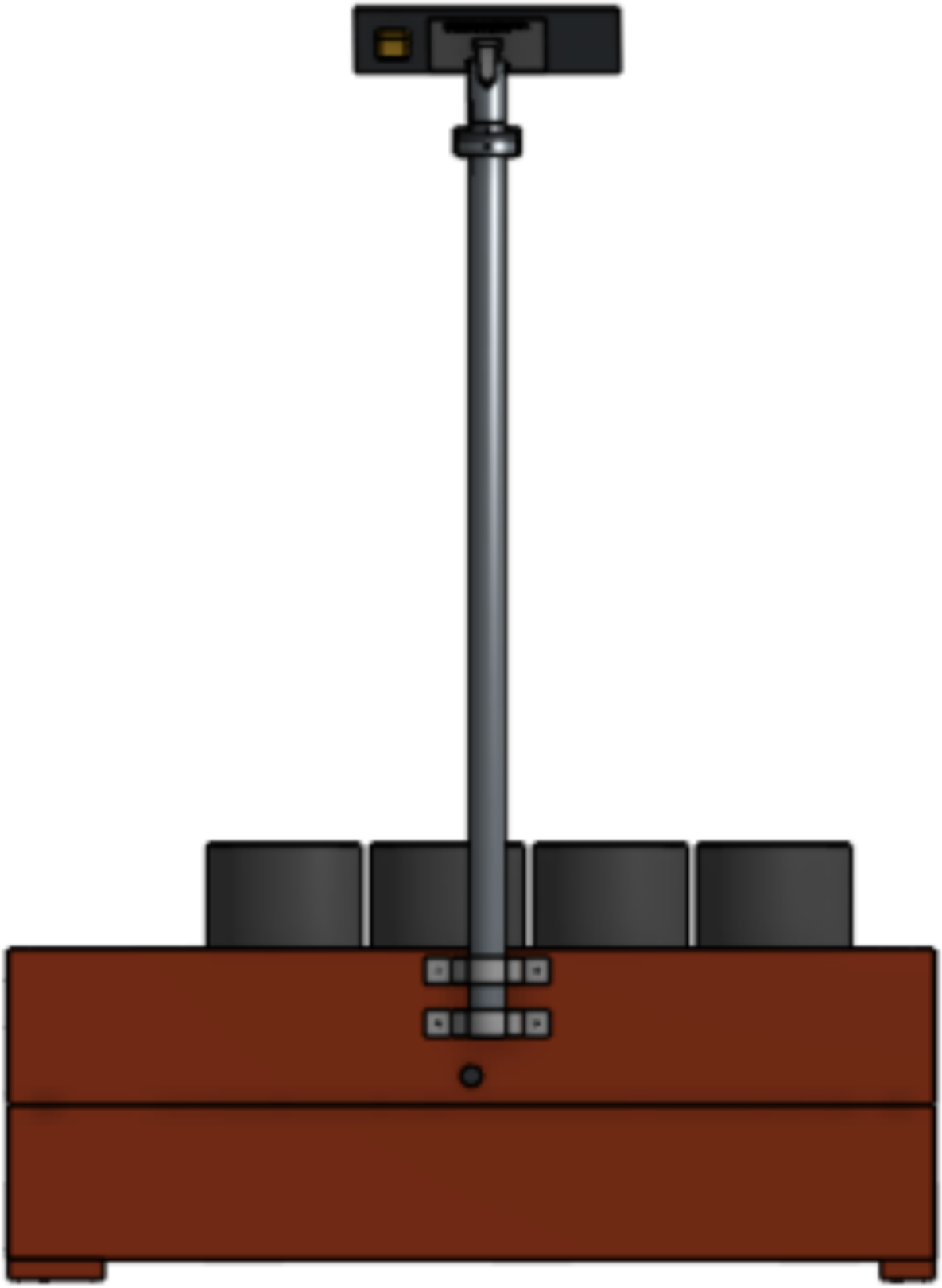
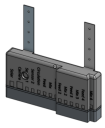
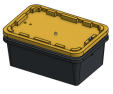
GrowBot Model M V2 Setup

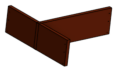






Parts Included

Part Name	Count	Image
Camera	1	
Controller	1	
Solar Panel	1	
Grow Bags + Perlite	8	
Nutrients (maxigrow)	1	
Wood Screws	4	
Pipe Straps	2	
Wood Frame	1	
Tank and Lid	1	

Wood T Spacer or Card Board Sheet	1	

Tools for assembly

- Phillips head screwdriver
- Computer
- Standard 5v USB power supply (laptop or most phone chargers)
- 2.4ghz Wifi Network (most homes have it)
- And possibly a friend (GrowBots weigh ~40lbs)

Setup

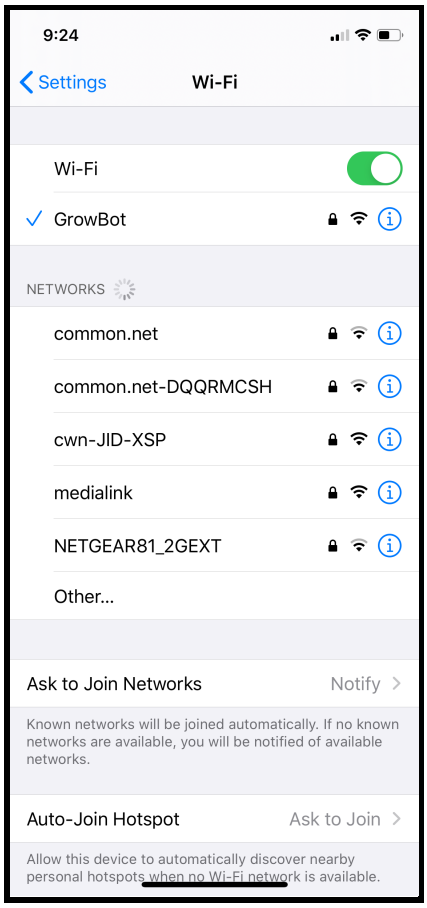
1 Remove the pole parts and camera from the tank.

1. Push the pipes together.

2 Configure the camera. https://www.youtube.com/watch?v=qjVwND5ku70

2a. Connect the growbot camera by connecting it's USB cable to a power source. The most common power source options are a portable USB charger, laptop, or PC.

2b. Once the power supply is connected, please wait a few minutes for the GrowBot network's wifi name to appear on your list of available wifi networks. This list is found in your wifi network settings on your cell phone or computer that is near growbot. Click on 'Growbot' wifi link to configure it.



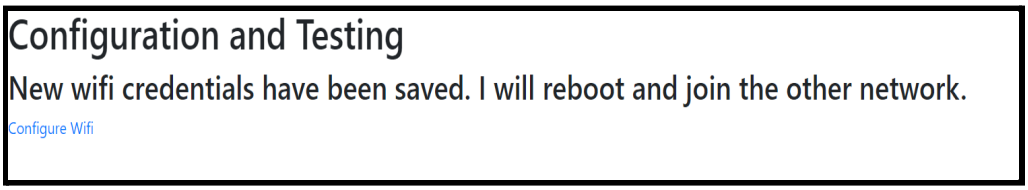
2c. Log into the GrowBot network you selected. The password is 5109030644 unless otherwise specified. If unsure, please contact support@mygrowbot.com for help. specific password.
2d. Use your browser to navigate to http://192.168.4.1.

2e. Enter the user: jimmy and password: test123

You will should see this:

2f. Select ‘Configure Wifi’. Then enter your local wifi network name and password. Both are case sensitive.

After clicking submit you will see this:



Wait a few minutes and click on the hyperlink provided below to check your activity log to see if your GrowBot logged in to your local network and uploaded data successfully. The activity log is where you can see activity happening with your GrowBot. To do this follow these steps:

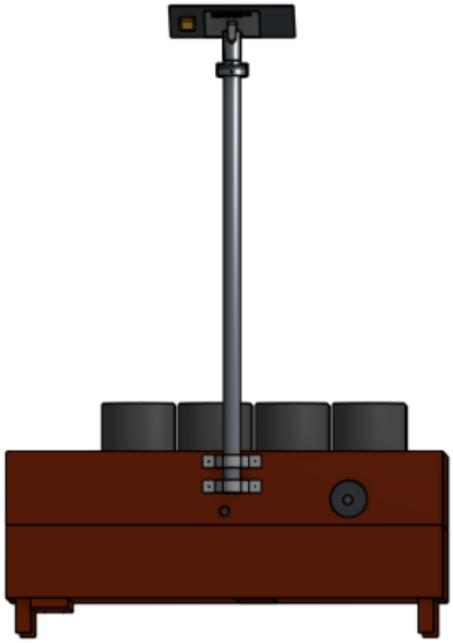
1. go to https://mygrowbot.dwalliance.com/store/login.php
2. log in (check your welcome email)
3. click ‘Profile’ then click ‘GrowBot Logs’
4. you should see recent activity (please be mindful that times shown are for the US West Coast.)

If you see any new activity in the log your GrowBot is able to get online and is now properly configured to use your wifi network at home. If you don’t see activity after you have configured the wifi, check your local network to see if the GrowBot network is back. If the Growbot network is showing but you can’t log in, you might have made an error entering your UID and password. Make sure your 2.4ghz wifi network is on.

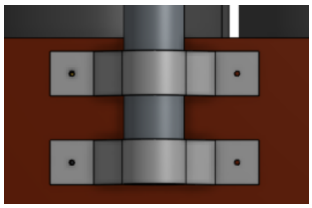
3 Camera wire and bag prep

3a. With a friend’s help, flip the GrowBot back upright onto its legs.

4 Attach the camera pole to the wood frame by:



4a. Opening the yellow lid. Remove the six growbags, solar panel, 4 screws, 2 pipe straps, bag of seeds and the wood T spacer.
4c. Gently remove the two grow bags from between the controller and frame.
4b. Attach the camera pole to the wood frame using the 4 wood screws and 2 pipe straps.



5. Mount Solar Panel

5a. Extend and detangle the camera and solar panel wires.

5b. Thread the camera wire and solar panel wire into the top of the camera pole.

The left groove in the solar panel mount is for the solar panel wire and the right groove is for the camera wire.

Leave six inches of slack in each wire to allow the solar panel to be rotated without straining the wires

Do not pinch, fold or cut the wires.

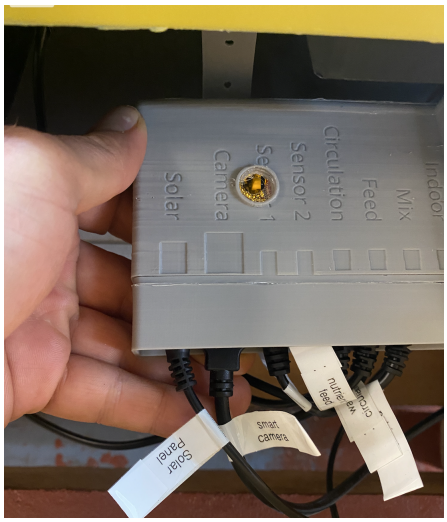
6 Route the wires through the wire hole at the base camera pole to the controller.

6a. Push one in of the solar wire through the hole then push 1 in of the camera wire through the hole.

6b. Push six to ten inches of both wires through the hole.

6c. There is a gap between the tank and wood frame where you can reach through and grasp the two wires and guide them to the right towards the controller.

6d. Reach your hand inside the frame near the controller and grasp the wires and pull the remaining wires through.
6e. Connect the solar wire and the camera wire to the controller.



6f. VERY IMPORTANT loop the excess wire and attach to the frame from using the velcro screwed to the frame which is to the right of the controller.

7. Place the yellow lid on the black tank making sure the tube guide is near the controller end of the tank.

8. Push the water circulation tube about a half inch through the tube holder on the lid, place the four top trim boards on the edges of the lid(be mindful to set the tube guide so the water circulation tube goes through it).

9. Place the growbags with the perlite still in the home compostable plastic bags on the lid in two rows of four.

10. With a friend carefully and safely move the GrowBot to a sunny location where you can see it naturally every day, has great sun, good wifi and near a water hose(if you are using it outdoors). If indoors the best place would be as near to the kitchen as possible.

11. We recommend emptying the perlite into the grow bags outside or wearing a dust mask while emptying the perlite into the GrowBags.

VERY important do not spill the perlite onto the yellow lid. Perlite will clog the holes on the lid, jam the pump and break the water valve and the water sensor.

12. Orient the solar panel toward where the noon day sun will be. Connect the water hose.

12a. We recommend a quick disconnect on the hose.
12b. When connecting the hose or quick disconnect hand tighten the hose till it is firmly connected then use pliers to do a final quarter turn.

WARNING over tightening will break the water hose fitting.

12c. Turn on the water hose and let the tank fill up. Depending on the water pressure this could take awhile.

NOTE: we took extra care in our factory to set the water valve at the correct angle (30 to 45 degrees down from the horizontal when the lever holding the float is in the up or off position).

If the tank over fills then you might need to adjust the lever using the adjustment knob on the side of the lever)

12d. If the GrowBot has sufficient sun it will start circulating water once the water has reached the minimum safe depth.

13. How to plant the included seeds.

13a. Once you have observed that the water did not overfill and that the water is circulating you can plant.
13a. Put four or more seeds evenly spaced into each growbag. Then very gently give each bag two or three shakes to cause the seeds to sink just a little into the perlite.

The perlite will wick the water from the lid to just beneath the top of the perlite where the seeds are at. The seeds will be properly moistened and start germinating. Depending on the type of seed you should see sprouts in 2 to 21 days. Some of the seeds we included will sprout in a few days.

The seeds we included are fast growing but nutrient dense greens and herbs. You can start harvesting normally in 2 to 6 weeks. (depends on temperature and amount and strength of the sun)

14. Managing your harvest for maximum daily or weekly production.

14a. If you are harvesting daily the method is to harvest a mature leaf that is blocked by another mature leaf or a leaf that is blocking the light from young leaves.
14b. If you are harvesting once a week you leave two or three mature leaves per plant but harvest the other mature leaves. The leaves will grow back over the week.