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Please refer to the real object finally. The company reserves the right to change and explain.



INSTRUCTIONS



ALTO Garden,LLC

TELEPHONE: +1-818-940-1140
E-mail: contact@altogarden.com
WEB: www.altogarden.com

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WHAT'S IN THE BOX

TOWER COMPONENTS



GROWING & MAINTENANCE



LIGHT KIT (optional)



TOWER ASSEMBLY

1

If you ordered a **tower with lights** – remove the light base, which arrives tucked into one of the tower sections. Grab the bottom of the light base and pull out. **Tug firmly; no tools are necessary.**



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GX Assembly Video

2

Install five wheels onto the bottom of the water tank. Ensure water tank is level.



3

Place water tank lid on the water tank. Place 1st tower section on top of the water tank lid.



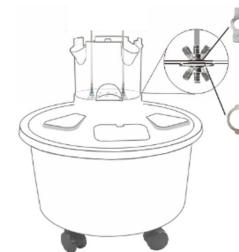
TOWER ASSEMBLY

4

Place **rectangular gasket** inside the 1st tower section, over the central hole. Insert 1st pair of support rods through the sides of the gasket, until ~3/4 inch of support rod extends underneath the water tank lid.

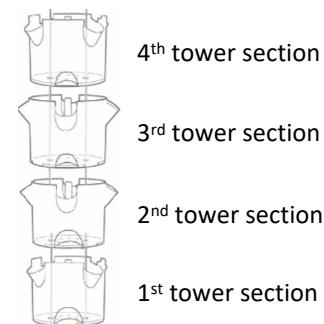
Place **circular gasket** on the underside of the water tank lid, to support the rods from underneath.

Tighten wingnuts on the support rods in the 1st tower section, and tighten wingnuts beneath the water tank lid, to secure the support rods in place. After wingnuts are tightened - the 1st tower section is affixed to the water tank lid.



5

Stack 2nd, 3rd and 4th tower sections on top, while guiding the support rods through the tower sections.



TOWER ASSEMBLY

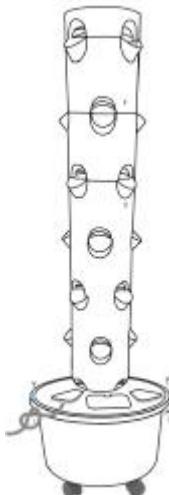
6

After the 4th tower section - use the connecting nuts, to extend the length of the support rods. Install connecting nuts and attach 2nd pair of support rods.



7

Continue stacking 5th and 6th tower sections, then the shower cap on top.



TOWER ASSEMBLY

8

Place **rectangular gasket** inside the shower cap over the central hole, with the support rods extending through the sides of the gasket. Attach wingnuts to the support rods, to secure the gasket in place.

9

Attach swivel + connector, to the hose.

Feed hose down the central holes, all the way down to the water tank, until swivel rests in place.



10

Attach hose connector to the water pump. Attach hose to the hose connector, which is attached to the water pump. Place water pump inside the tank.



TOWER ASSEMBLY

11 Install water tank cover on the tank lid. Power cord for the water pump passes through the clip, of the water tank cover. Install mounting hardware around the tank lid.



12 Insert water gauge through the vacant hole on the tank lid.

13 Place lamp base on top of the tower. (OPTIONAL)



LED LIGHT KIT ASSEMBLY

14 Connect LED lamps to the lamp base. (OPTIONAL)

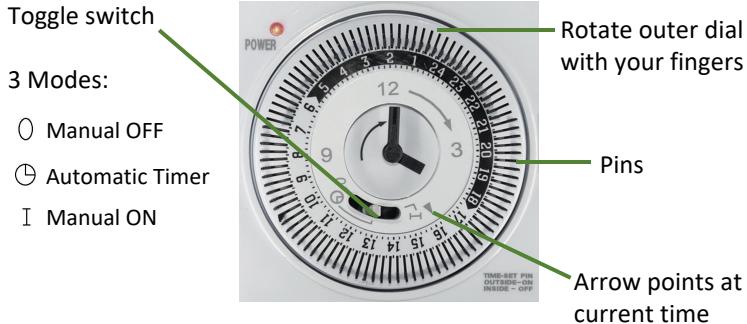


15 Remove protective film from each of the LED lamps.

Note: plants will receive fuller / richer light, with protective film removed.

16 Insert net pots into the tower.

SET UP THE LED LIGHT TIMER



1 Set the current time, by rotating the outer dial with your fingers.

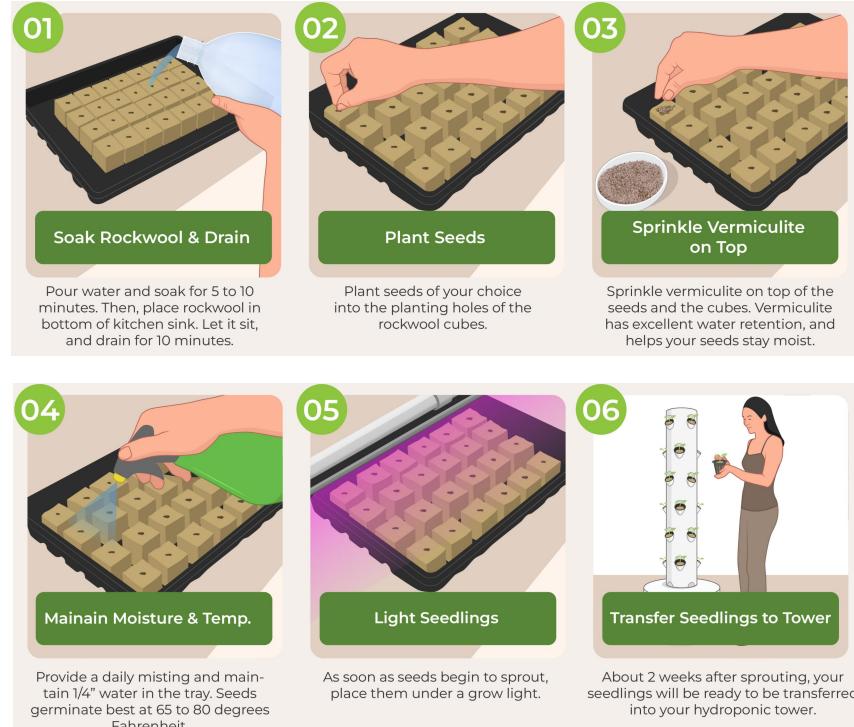
2 Set the pins (each pin represents 15 minutes of lighting time)
 - Outside pins = ON
 - Inside pins = OFF

Example: To set ON from 7:00 – 21:00, push those pins OUTSIDE

Note: We recommend lighting for 12 to 14 hours daily
 (adjust as needed)

3 Set the toggle switch to Automatic Timer mode

START YOUR SEEDS



IMPORTANT: Rockwool cube must be touching the bottom of the net pot to receive proper water and nutrients

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FILLING WATER, NUTRIENTS & WATERING

1

Fill the water tank with cool water. Your hydroponic tower will hold approximately 10 gallons when filled. NEVER use softened water, heavily chlorinated water, or very hard water, as it may damage your plants. (If you have hardwood floors or carpet, we recommend placing a mat under the reservoir before filling it.)

2

Add A + B nutrients, following the label instructions for the proper dilution ratio. Use a spoon or other utensil to stir the nutrients. Do not use your hands, as the solution may irritate your skin.

3

Measure water pH with the pH test pen. Adjust as necessary, using a pH Up or pH Down solution (sold separately). The optimal pH is between 5.5 and 6.5.

4

Plug in the water pump. Check that water is flowing out of the top of the tower before putting the light base or tower cover on top.

5

When refilling the water tank, use a separate bucket with fresh water. Add nutrients and adjust pH in the separate bucket. Add to the water tank and measure and adjust pH again.

WATERING SCHEDULE

Your hydroponic tower will grow best if watering is on a cycle, rather than a continuous flow. For indoor growing – we recommend 15 minutes every hour, for 14 hours a day. Adjust watering schedule as needed, e.g., outdoor warmer temps will require more watering.

MAINTAINING YOUR TOWER

DAILY

- Check water level
- Ensure the water tank is filled to the recommended level

WEEKLY

- Measure water pH. Adjust as necessary. The optimal pH is between 5.5 and 6.5. Yellowing leaves are an indication that your pH may have drifted out of range.
- Trim roots dangling into the water tank to prevent the pump from clogging.

MONTHLY

- Keep the shower cap holes clean and free from debris. You can use a toothpick to clean the holes.



- Clean the water pump. Unplug and remove the pump from the water tank. Remove sponge filter and rinse parts under running water.

SEMIANNUALLY

- Disassemble the tower, and clean the tower sections, shower cap and pump with warm soapy water and a sponge

TROUBLESHOOTING

WATER PUMP ISSUES – NO OR LOW WATER FLOW

- Ensure there is sufficient water in the water tank. As guidance – never let the water level get below 1/3 full.
- Ensure the pump is plugged in.
- If using a timer with your water pump, try the pump without the timer.
- Check if the outlet's GFI or breaker has tripped.
- Rinse the water pump under running water; clean the filter in the water pump.
- Ensure the hose is firmly connected to both the water pump and swivel.
- Check for kinks or blockages in the hose.
- Unplug the water pump. Replug the pump after 5 minutes.

TOWER CAP OVERFLOWING

- Use a toothpick or small tool to clear any clogged holes in the tower cap.

WATER LEAKS FROM AROUND THE NET POTS

- Verify that the tower is level.
- Rotate or gently shake the net pot, to dislodge any debris that may be disturbing the intended water flow of the system.

ALGAE BUILDUP

- Ensure the areas between all sections are secure and tight – water tank-to-water tank lid, between the tower sections, to the tower cap, and the tower lid. Light exposure promotes algae growth.

TROUBLESHOOTING

YELLOW OR DISCOLORED LEAVES

- Check and adjust pH to stay within 5.5 – 6.5 (high pH can cause yellowing).
- The mineral blend A & B may be out of balance. Check the proper dilution ratio was used, as directed on the nutrient labels.
- During periods of hot weather – plants can absorb a lot of water leaving the water tank with a high concentration of nutrients. Dilute the water tank by adding more water, or empty and re-start with the proper nutrient levels.
- If using LED lamps – ensure the protective film cover has been removed.

LED LIGHT TROUBLESHOOTING

- Ensure the light base toggle switch is turned to ON.
- Ensure the LED lamp is fully inserted
- If LED lamp doesn't turn on – uninstall light and turn it around facing AWAY from the tower. This reverses the light connections. Re-install lamp into the lamp base.
- Remove the LED lamp and try it on another fixture. If it works, the issue may be with the fixture connections.
- Contact our Customer Support team for further assistance.



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