

PATIO GARDEN INSTRUCTIONS



INCLUDED IN YOUR KIT:	WHAT YOU'LL NEED:
(1) Reservoir	(3) 1-gallon jugs of filtered water
(1) Reservoir Lid	(1) 5-gallon bucket
(1) Submersible Pump	(1) 1-gal pitcher
(2) PVC Pipes	(1) Measuring cup (reads in ounces)
(1) Couplings	(1) 18-20 gal Rubbermaid container
(2) MPT x socket PVC fitting (Adapters)	(1) Funnel
(1) Diffuser Cup with Bubbler	(1) Mixing stick
(5) Quad Pots	
(1) Coconut coir block	
(1) Bag of Perlite	
(1) 3-Part Nutrient Mix (pre-measured, single dose)	

Please read instructions thoroughly before beginning setup!

Part 1: Mix the Grow Media

This should be done ahead of time. The media may also be used to start seedlings for the system.

1. Place the coconut coir block in a large bin, such as a Rubbermaid 18-20 gallon container.
2. Add 3 gallons of water. **Note: It is better to use working solution to hydrate the coco coir.**
***If using tap water, let the water sit out for 24 hours to allow the chlorine to dissipate before soaking the coconut coir.**
3. Break up coconut coir, if necessary, but it should fully hydrate in 20 minutes on its own.
4. Rinse the perlite, and add to the coconut coir.
5. Mix well.

Part 2: Setup without Plants

This step is important to see how the system runs before plants are installed.

1. Fill reservoir with 2 gallons tap water.
2. Add 1 TBSP bleach to the water to disinfect the entire system.
3. Place the pump in the center of the reservoir.
4. Remove one cap from the base lid to reveal a hole in the lid. Thread the pump's cord up through this hole. Replace the cap, if desired.
5. Place lid on the reservoir.
6. Take the 2 pieces of pipe and couple them together.
7. Using the appropriate threaded fitting (included), attach the pipe to the pump.
8. Place one Quad Pot over the pipe and let it rest on the reservoir base.
9. Add the second quad pot, turning it a quarter turn so it rests on top of the lower pot .
10. Repeat until all pots are on the tower.
11. Place the diffuser cup bubbler assembly on the pipe. This directs the nutrient solution from the pump down into the diffuser cup. Make sure the cap is fully open by turning it counter-clockwise.
12. Plug in the pump to make sure the system runs correctly.
13. Run the system for 15 minutes, unplug the pump, and empty completely.

Part 3: Mix the Liquid Nutrient Concentrates

The 3 parts need to be mixed into water to create 3 separate liquid concentrates. Do not skip this step!

1. Use 3 each one gallon jugs of filtered, dechlorinated water, 1 for each part: A, B, & C.
2. Label each jug clearly with "**NUTRIENT SOLUTION PART A DO NOT DRINK**" [B & C, respectively]
3. Pour water from Jug A into a tall glass, set aside.
***Note: This step is important so the jug does not overflow!**
4. Pour the entire contents of the powdered Part A into Jug A. A funnel will be helpful here.
***Do not add powder to an empty jug then fill because it will never dissolve completely in the water (it will fall out of solution and become unavailable to your plants).**
5. Replace the cap securely and shake vigorously for 1 minute.
6. Add back as much water as you can from the glass you set aside earlier. **Do not overfill!**
7. Repeat for the next two powdered parts, B and C.
***Note: Instructions are located on Nutrient Jar A.**

Part 4: Patio Garden Assembly with Plants

1. Place the pump in the reservoir, making sure it is situated in the center.
2. Remove one cap from the base lid to reveal a hole in the lid. Thread the cord up through this hole and plug it into the timer. Replace the cap, if desired.
3. Place the lid on the reservoir.
4. Take the 2 pieces of pipe and couple them together.
5. Using the appropriate threaded fitting (included), attach the pipe to the pump.
6. Place one Quad Pot over the pipe and let it rest on the base.
7. Fill the pot with grow media gently. **DO NOT PACK the media. Fill to just below the lip of the quad pot.**
*** Be sure nothing falls into the tube as this can clog the pump! Cover the pipe with a plastic bag.**
8. Start adding seedlings now, or they can be planted after setup is complete.
9. Place the second quad pot over the pipe and fit the corners into the grooves of the first pot.
10. Repeat steps 8 and 9.
11. Repeat until all pots are on the tower and filled with media.
12. Place the diffuser cup bubbler assembly on the pipe. This directs the nutrient solution from the pump down into the diffuser cup. Make sure the cap is fully open by turning it counter-clockwise.

Part 5: Mix the Working Solution & Reservoir Set-Up

1. Place the reservoir in the location where the system will be set up. Be sure it's in a place that receives sunlight (or artificial light) and is close enough to an electrical outlet.
2. Fill a 5-gallon bucket with 4 gallons of dechlorinated water. If using tap water, let the water sit out for 24 hours before proceeding.
3. Using a measuring cup, add 5.12 ounces (about 2/3 cup) of liquid Part A concentrate to the bucket of water.
4. Rinse measuring cup in bucket. Mix well using a mixing stick or the measuring cup.
5. Repeat Steps 2 and 3 for parts B and C, taking care to mix after adding each Part.
6. After it is thoroughly mixed, use the one-gallon pitcher to ladle the nutrient solution into the top dish of the Patio Garden, one gallon at a time.
7. *Carefully* pour entire contents of bucket into the Patio Garden.
8. Plug the pump into the timer, and the timer into the outlet.

Part 6: Setting the Timer

You have 2 options when setting the timer:

1. Set the timer for five or six 3-minute cycles per day, every 2 hours, starting in the morning (around 8:00 am).
2. Set the timer for 12 or 13 2-minute cycles per day, spaced every hour.
3. Regardless of which option you choose, the timer should be set to **"Auto- Off."**

Please see the instructions on setting the timer, or visit <https://ezgrogardens.com/product/outdoor-3-outlet-digital-timer/> to see a video on how to program it.

Things to Remember

- ✓ Your patio garden holds 5 gallons of nutrient solution. Never add more than 5 gallons! Use a measuring stick to be sure you do not over-fill the reservoir.
- ✓ Never let the pump run dry!
- ✓ Never add powdered nutrients to an empty jug, and attempt to add water to it! It will never dissolve completely, and will result in nutrient deficiencies for your plants.
- ✓ Remember to set the timer to **"Auto- Off"** when you finish programming it or it won't water the Patio Garden

Please contact us at info@EzGroGarden.com or (866) 50-EZGRO with any questions.

Join our forum to talk to other EzGro garden members to share experiences and get growing tip at <http://ezgrogardens.com/forums/>.

Thank you for choosing EzGro Garden. Happy growing!

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