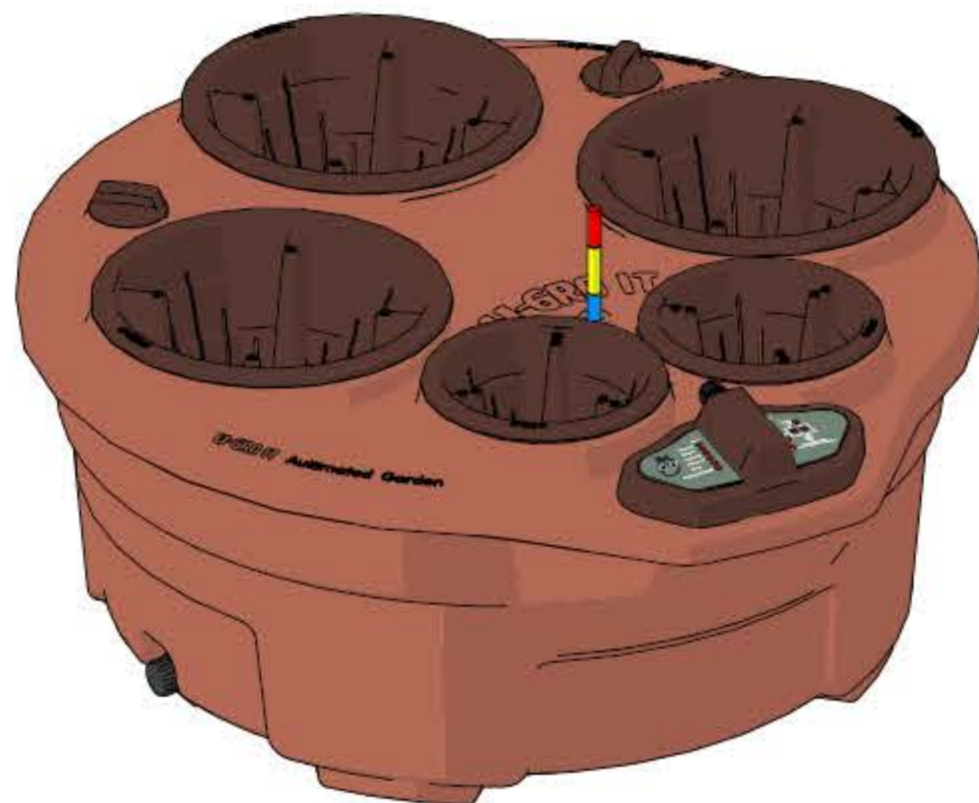


Automated Garden

The U-GroIT Automated Gardening System automatically ensures plants get regular, sufficient watering so you can grow healthier and more productive plants with less time and effort!

- General Specifications.....1
- Warning.....2
- Parts List.....3
- Start-up Supplies.....4
- Getting Started.....5
- Error LEDs8
- Controller Guide9
- Automatic Water Fill.....10
- Fertilizing.....11
- System Care & Maintenance12
- Daisy Chaining Feature.....13
- Optional System Accessories.....14
- Social Media.....15
- Personal Gardening Notes.....16



GENERAL SPECIFICATIONS	
Reservoir Capacity	23 Gallons
Large Pot Capacity	5 Gallon
Small Pot Capacity	1 Gallon
Hose Filler Port	2 on rear of top cover.
Watering Can Filler Port	1 on front of top cover under controller.
Auto-fill Hose Connection	1 on side of reservoir.
Daisy Chaining Connection	2 on bottom sides.
Number of Fill Ports	6
Number of Pots	5
Material	UV & Weather Resistant High-Density Polyethylene (HDPE #2)
Power Supply	Solar-charged Lithium Ion Battery
Pump Run Time	Large Pots: 7 minutes
	Small Pots: 4 minutes
Watering Interval	Automatic based on moisture content of growing medium
Water Level Indication	Centrally located, color-coded, float gauge
System Dimensions	17.2 x 39.5"
Weight	40 lbs. (empty)
Patent	Pending







 **WARNING: Read before using the garden.**

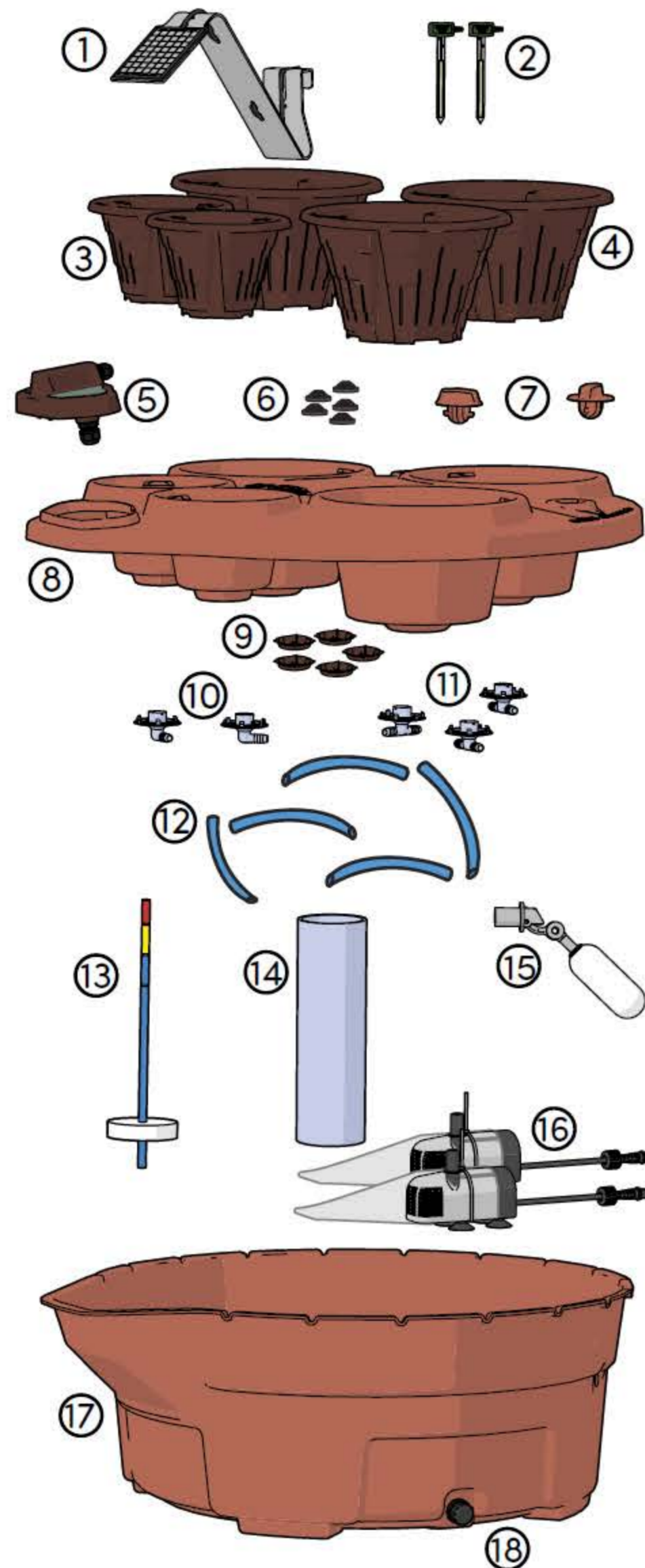
To minimize the risk of potential safety hazards, you should use caution during setup and while using your U-GroIT Automated Garden. **Do not leave children unattended near open reservoir.** Always check that reservoir lid is completely seated over reservoir when leaving the equipment unattended.

Serious injury or death can result from improper use of this equipment. We do not assume any responsibility for accidents caused by improper use, nor do we guarantee the products described in this publication are suitable to be used for any other purpose.

This publication is based on information that was available at the time it was printed. At U-GroIT Automated Garden we strive to improve our products and reserve the right to make changes to the products and/or publications at any time without notice and without any obligation. This publication may also discuss features that may not be available in certain revisions of the product.

	<p align="center">DROWNING RISK</p> <p>Children can fall into open reservoir and drown. Keep children away from reservoir with even a small amount of liquid and always replace top cover before leaving garden unattended.</p>
	<p align="center">RISK OF ELECTRIC SHOCK</p> <p>Always take appropriate precautions when using electrical devices around water sources.</p>
	<p align="center">HEAVY LOAD</p> <p>With a full reservoir and populated pots, each garden can weigh in excess of 250lbs. Be conscious of weight restrictions when choosing the location of your U-GroIT Automated Garden to avoid personal injury and/or structural damage.</p>
	<p align="center">RECYCLING</p> <p>Plastic parts are #2 recyclables.</p>





PARTS LIST			
#	Description	QTY	Part #
1	Solar Panel	1	5000-00017
2	Moisture Sensor	2	9100-00317
3	8" Pot	2	6052-00093
4	12" Pot	3	6052-00094
5	Controller	1	9000-00909
6	Hose Filter Washer	5	9200-00061
7	Hose Fill Port Locking Cap	2	6052-00106
8	Top Cover	1	6052-00095
9	Twist Lock Hose Fitting		6052-00139
10	Elbow Fitting	2	6052-00102
11	Tee Fitting	3	6052-00103
12	1/2" ID x 3/4" OD Antimicrobial Tubing	5	9200-00060
13	Water Level Indicator	1	9200-00056
14	Center Support	1	6052-00110
15	Automatic Fill Valve	1	5204-00007
16	Pump	2	9200-00059
17	23 Gallon Reservoir	1	6052-00096
18	Garden Hose Adapter Cap	2	5204-00012



START-UP SUPPLIES

You will need the following for a successful garden in your new U-GroIT Automated Gardening System:

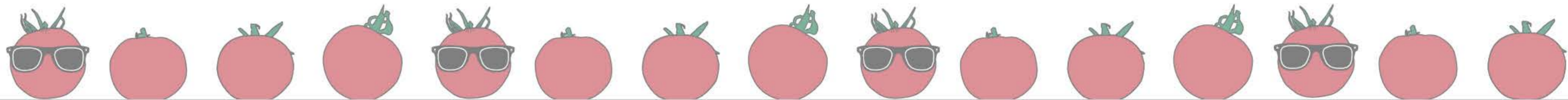
- Potting Soil
- Light Source (Sun or Grow Lights)
- Water
- Starter Plants (recommended) or Seeds
- *Three 54" Tomato Cages (for large pots) and Two 42" Tomato Cages (for small pots)
- Plant Stakes & Garden Tape or Twine

**Tomato Cage Installation:* Insert wire frame into the four holes located on the inside walls of the 12" pots and three holes in the 8" pots to keep stable while avoiding any interference with the roots. *(Note: hold and support spot welds on cage while bending legs to fit into pots to avoid breakage at the weld points.)*

SEASON AND LOCATION

Warm Season Crops 8 Hours of Sun	Cold Season Crops 6+ Hours of Sun
Beans	Broccoli
Cucumbers	Brussels Sprouts
Eggplant	Collards
Okra	Cauliflower
Peppers	Kale
Squash	Lettuce
Tomato	Rhubarb
Zucchini	Spinach

Consider the location of your U-GroIT Automated Garden prior to filling with water and growing medium to make relocation easier. Some plants require more or less sun than others and taller plants may block sunlight from smaller plants. Place your garden in a location that will have the most sun exposure throughout the growing season. Orient the garden so that the 8" pots will get the sun they need when the larger plants in the 12" pots have matured. See our "Recipes for Success" guide on our website for more helpful information on successful growing techniques.



GETTING STARTED

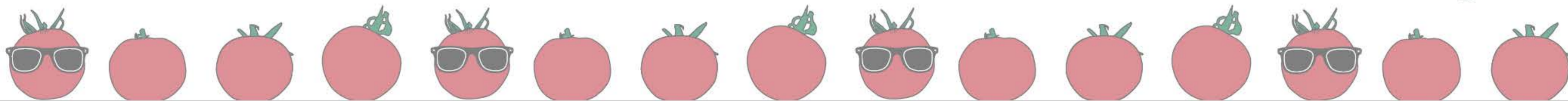
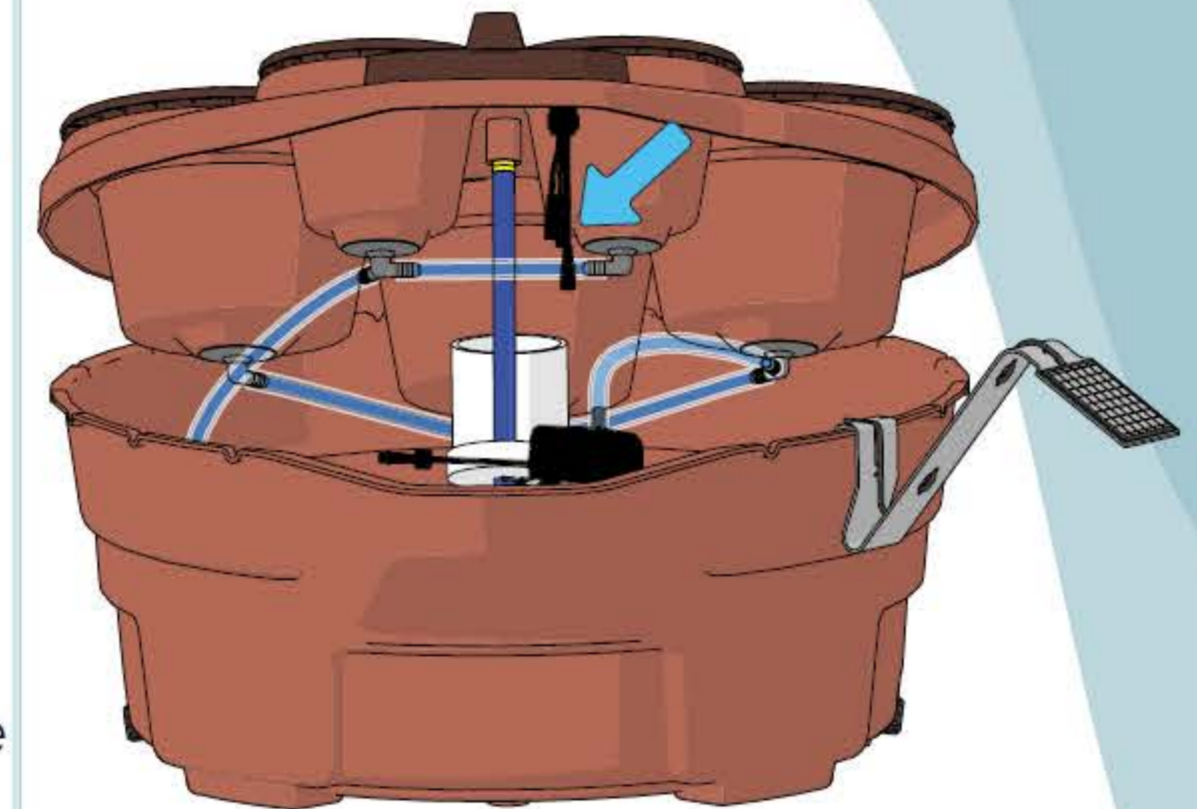
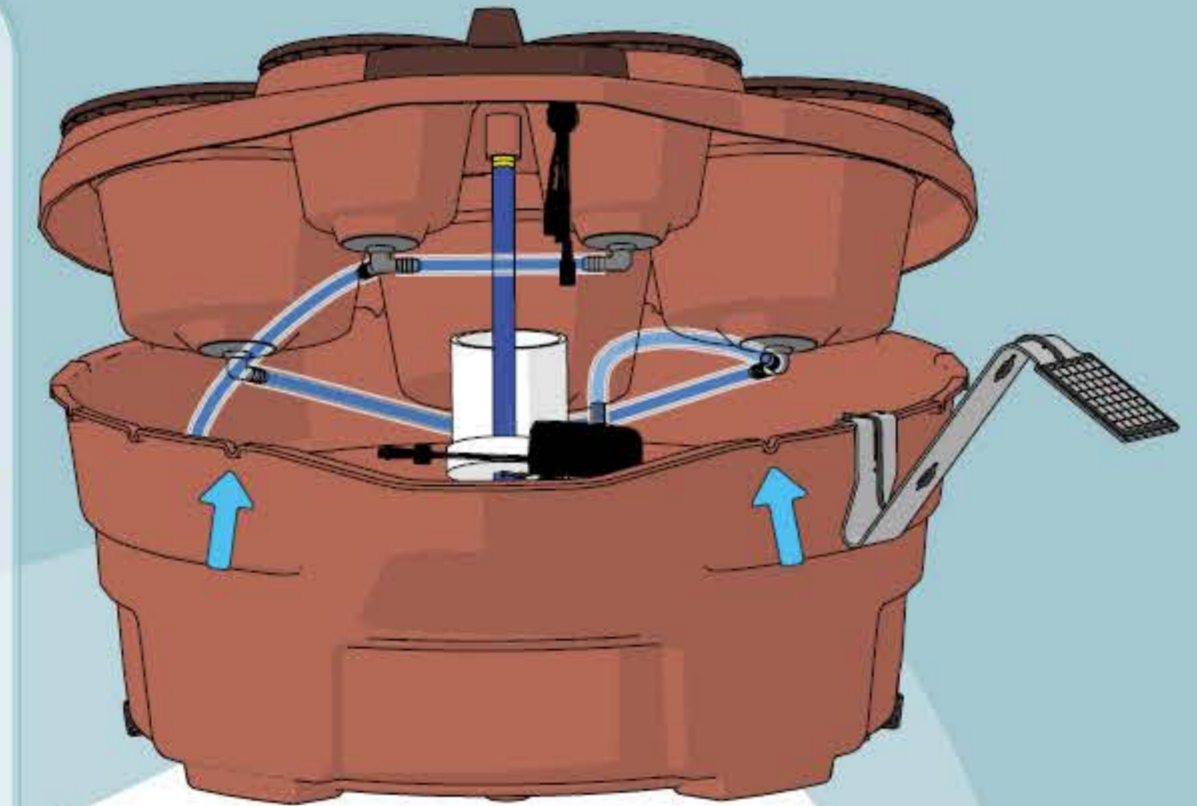
STEP 1: Fill pots approximately 1/3 full with potting soil to elevate your plant off of the bottom of the pot.

STEP 2: Place your plant inside of pot and continue filling with soil until pot is full and plant is stabilized. We recommend running at least one gallon of water through the freshly potted plant before placing in pot receptacle to remove any excess, loose dirt that could clog the receptacle filter. Set potted plants aside until garden is set up and reservoir is ready to be filled with water.

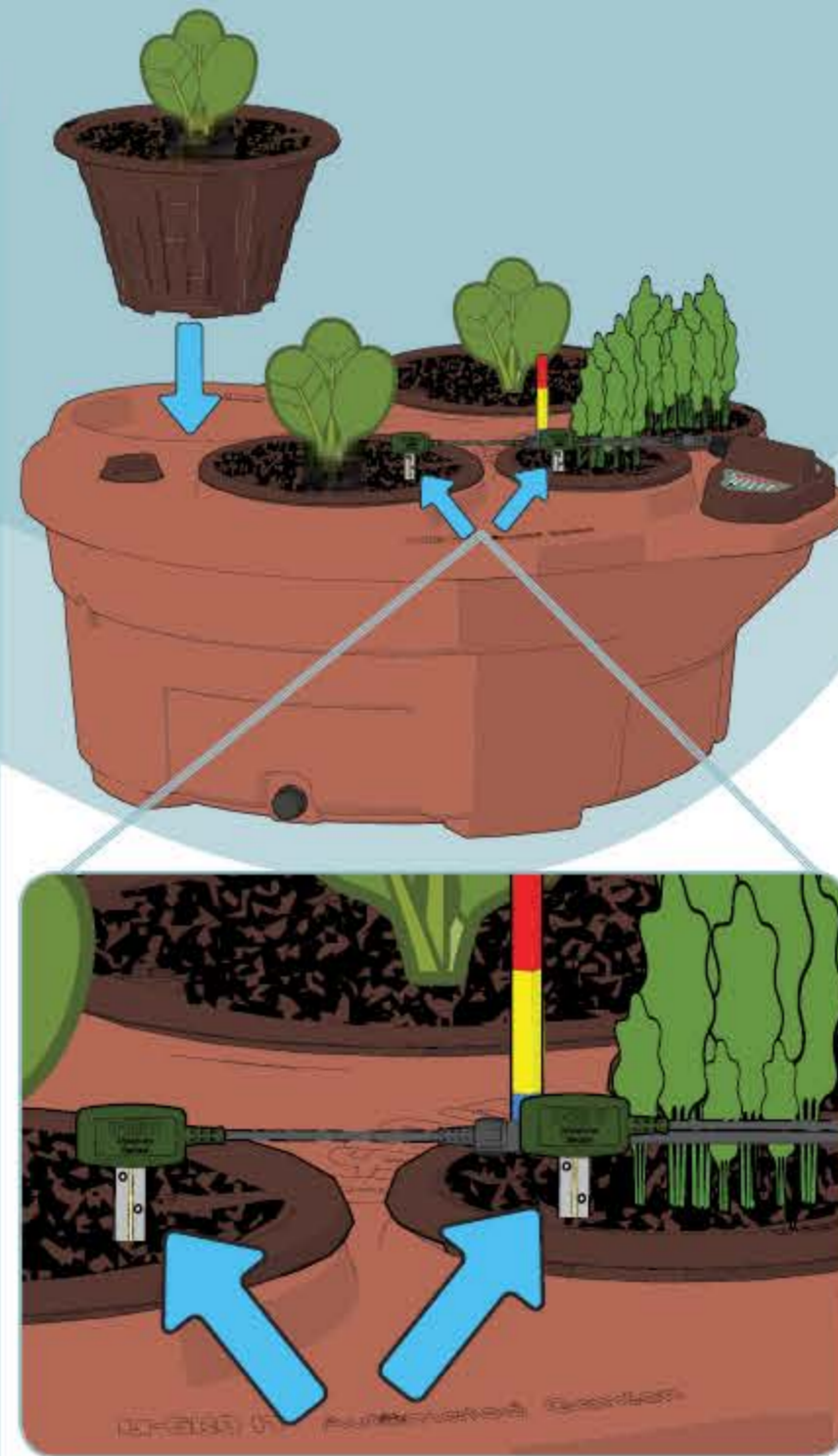


STEP 3: Raise top cover to seat the solar panel mount in any desired location around the top perimeter of the reservoir. Make sure that the cable lands in one of the recessed notches on the top lip of the reservoir. Place connector end in reservoir.

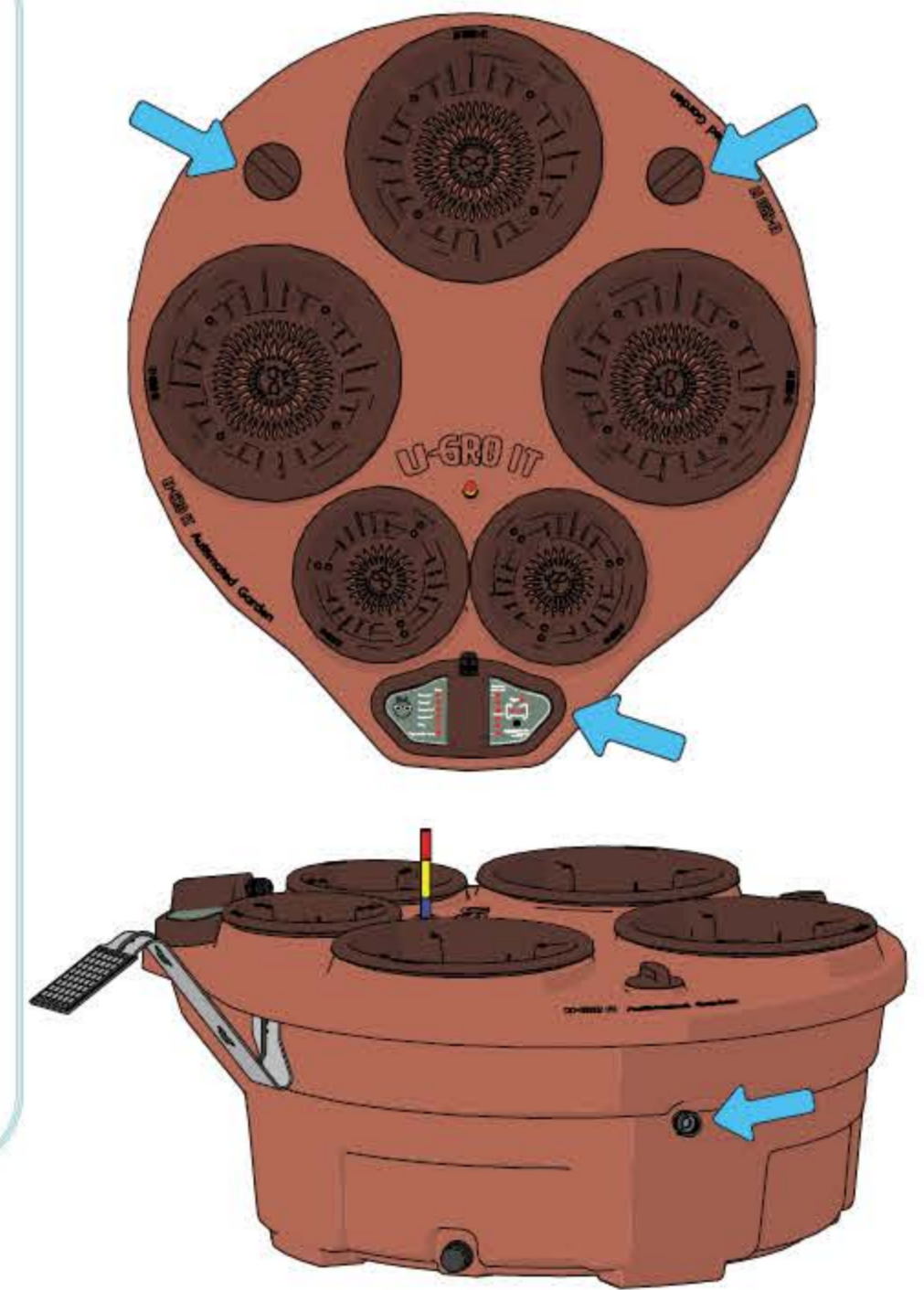
STEP 4: Locate the three cables exiting the underside of the controller housing. Through the large fill port on the top cover, connect the only female cable to the solar panel. Locate the two male cables, connect them to the corresponding pumps. The tagged cable mates with the tagged pump. The tagged selection should be plumbed into the small pots. Screw all three connectors down tightly to create a watertight seal. Leave all cable slack in reservoir.



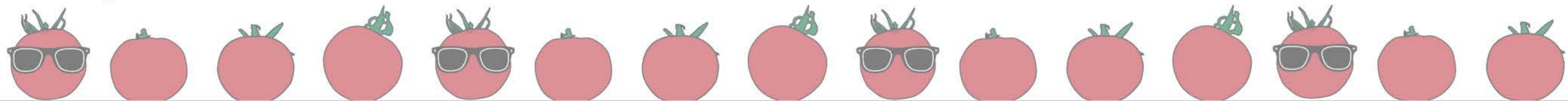
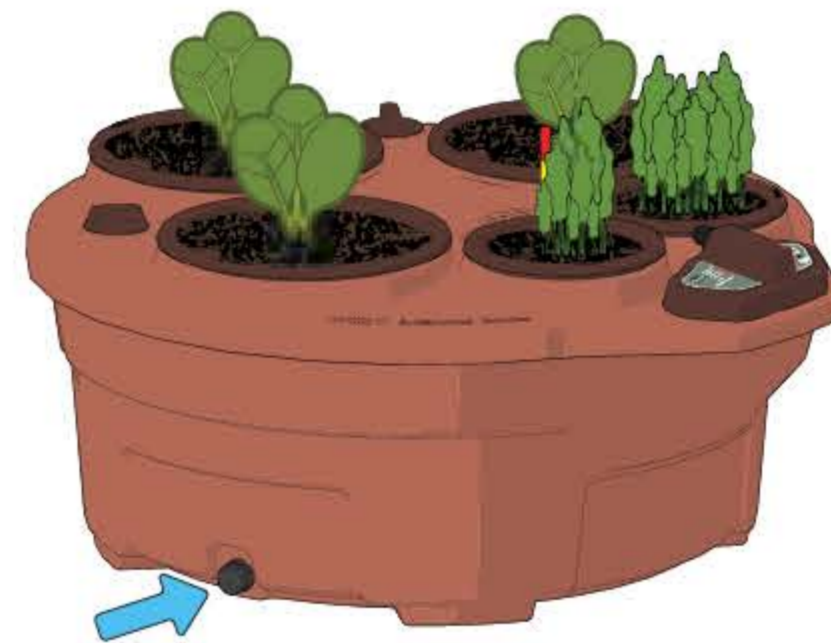
STEP 5: Seat pots back into appropriate receptacles and install moisture sensors into soil. One sensor for each sized pot. The long cable that is leaving the controller mates with the sensor that is placed in any of the large pots. The short cable leaving the controller mates with the sensor that is placed in either of the small pots.



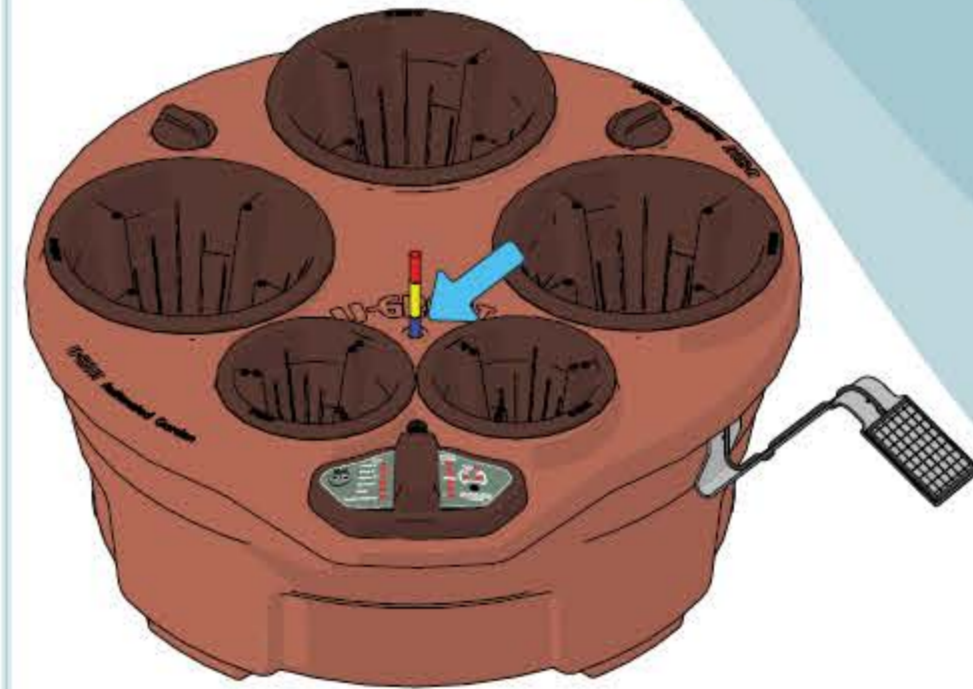
STEP 7: Begin filling reservoir with water through one of the three fill ports located on the top cover. If using the auto-fill option, connect a garden hose to the male garden hose fitting located on the side of the reservoir that is level with the overflow holes. Please refer to page 7 for detailed information on the auto-fill valve and the precautionary measures that must be taken when using this exciting feature.



STEP 6: Check that drain cap is in place and securely tightened on drainage fitting to avoid leaks.



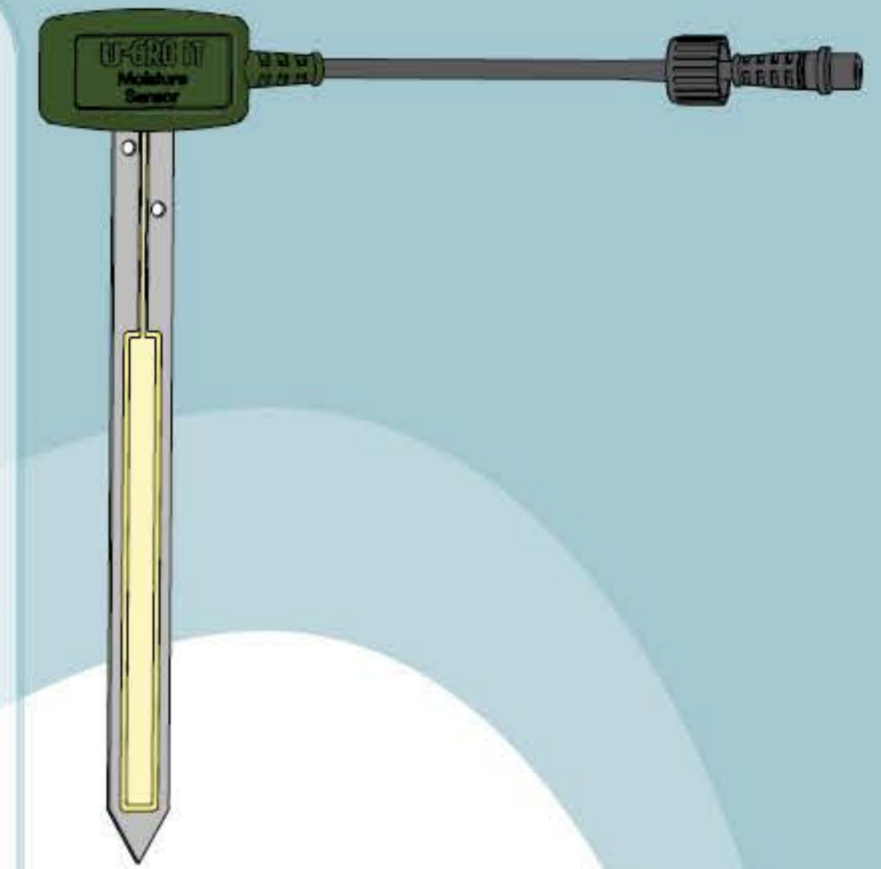
STEP 8: Fill the reservoir up to the maximum level indicated in BLUE on the water level float gauge. Exceeding the maximum level will cause excess water to flow out of the overflow holes located around the perimeter of the garden's reservoir.



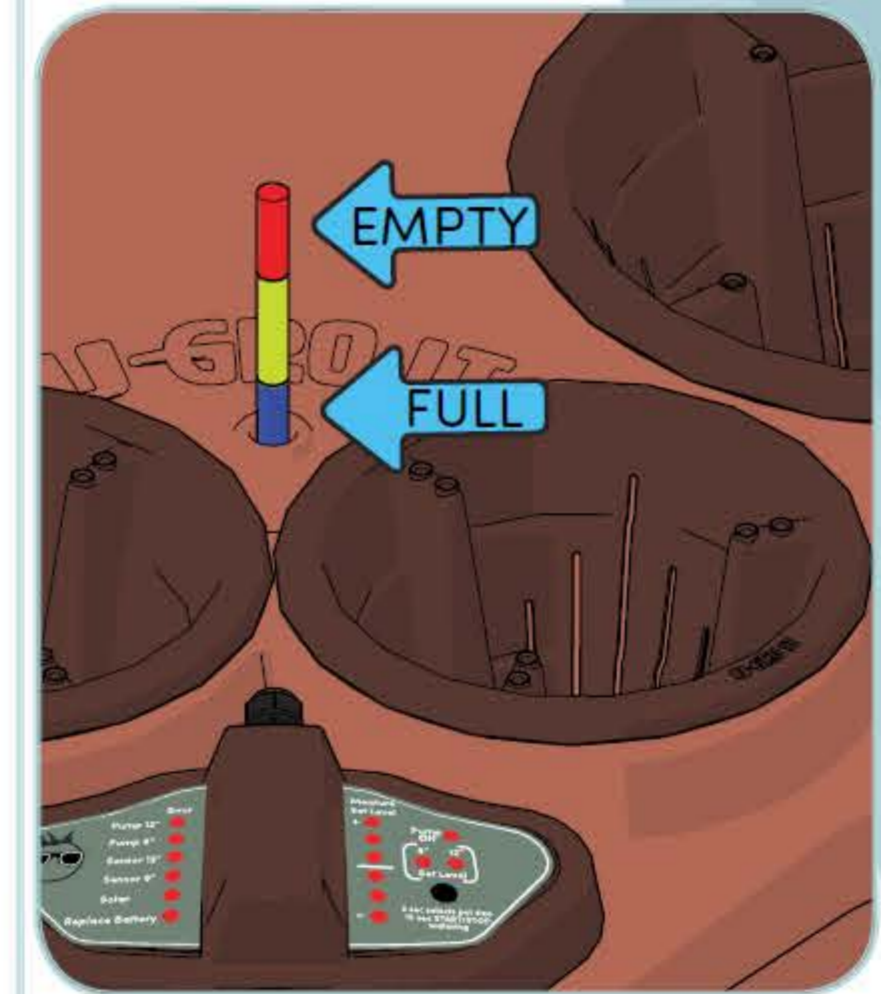
STEP 9: Once filled, plug in your U-GroIT Automated Garden by matching the pre-labeled cables. Manually initiate one watering cycle by holding down the controller button for 10 seconds. See page 9 for watering instructions.



STEP 10: Watering is automatic based on carefully calculated algorithms contingent to the watering needs of the plant. The moisture content of the soil is monitored by sensor probes and the pump will run as needed.



STEP 11: If you are not utilizing the auto fill feature, pay close attention to the water level indicator located between the two small pots. If water level gets too low the pumps will draw air and your plants will not be watered. The extremely efficient ebb and flow design utilizes the garden's 23 gallons of water by creating zero waste watering cycles.



NOTE: Heavy drinkers, like tomatoes, will deplete the water supply more rapidly than many other plants. So, if you have multiple, large plants in your garden, plan on refilling more frequently. 7



ERROR LEDS

An Error LED will come on for 1 second every 5 seconds to help you locate the source of an error.

PUMP 12" OR PUMP 8":

No water in reservoir
Pump or lines clogged with debris
Broken electrical connection to the pump.

SENSOR 12" OR SENSOR 8":

Bad sensor
Broken electrical connection to the sensor.

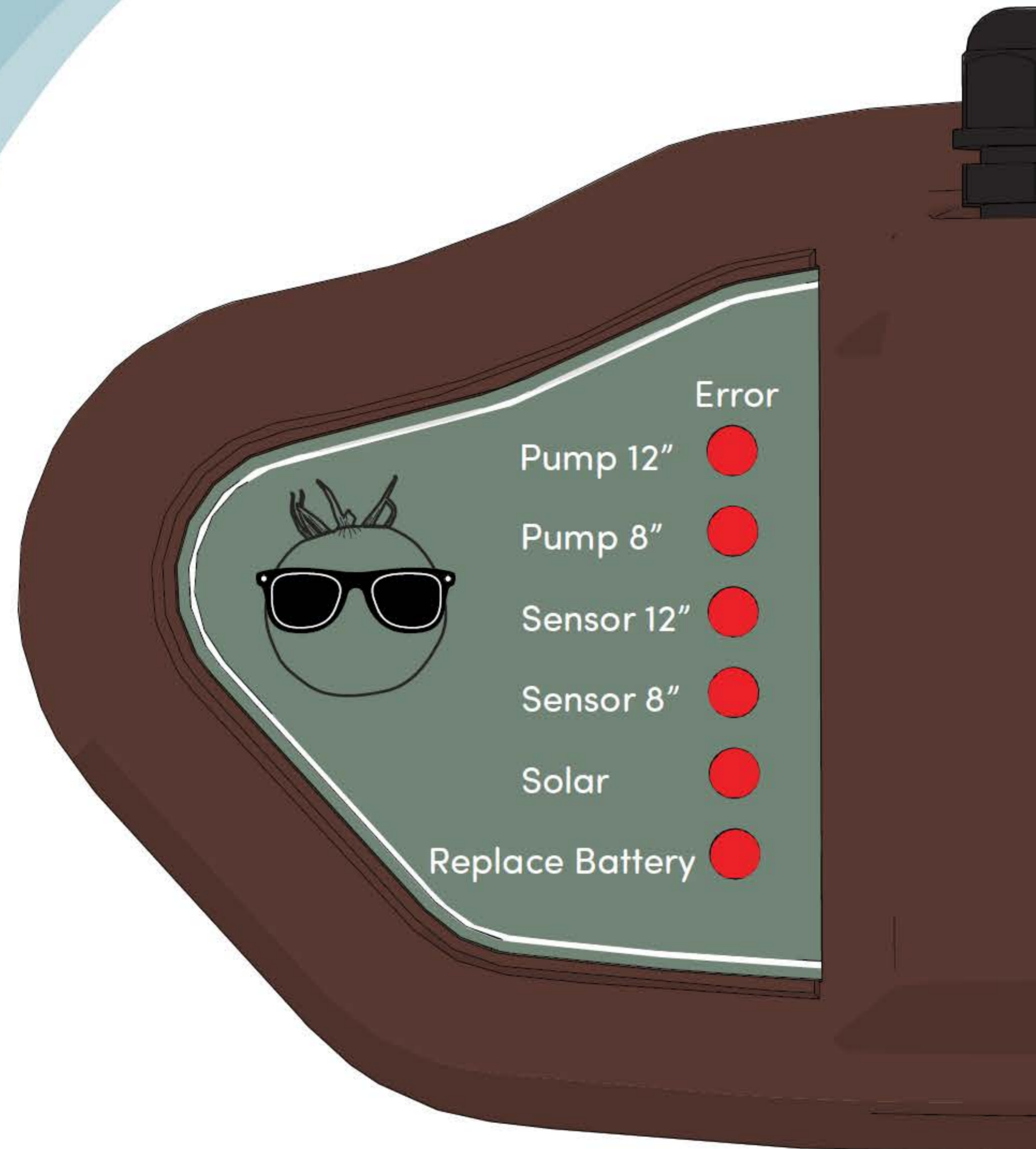
SOLAR:

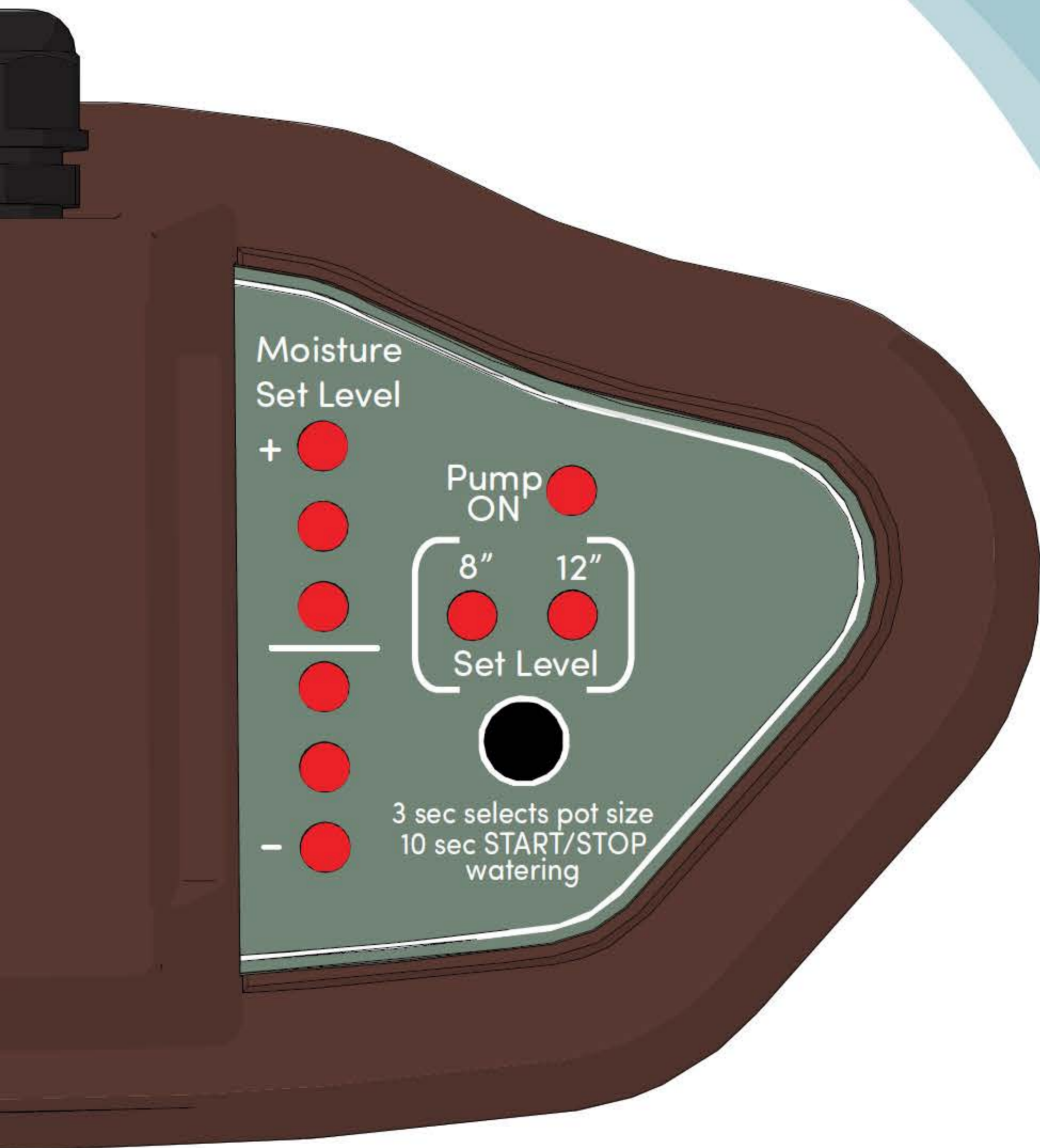
Solar panel not getting sunlight
Broken electrical connection to the solar panel.

REPLACE BATTERY:

Battery needs to be changed because it is not charging properly.

See www.ugroit.com for further trouble-shooting tips and videos.





U-GROIT CONTROLLER

Moisture Set Level Configuration:

The Normal Moisture Set Level (Factory Preset) is seen as the bottom three LEDs **ON**.

You can adjust the moisture set-point for where the water cycle begins by using the **Set Level Button**.

Select the pot size to set the moisture level by pressing and holding the button for 3 seconds. Then, press the button repeatedly to pick one of the six Moisture Set Levels for the selected pot size. *- is the driest and + is the wettest moisture level.*

Start/ Stop Water Cycle:

To **START** a watering cycle (both pumps will be started) before the pots have dried out to the Moisture Set Level, press and hold the button for 10 seconds.

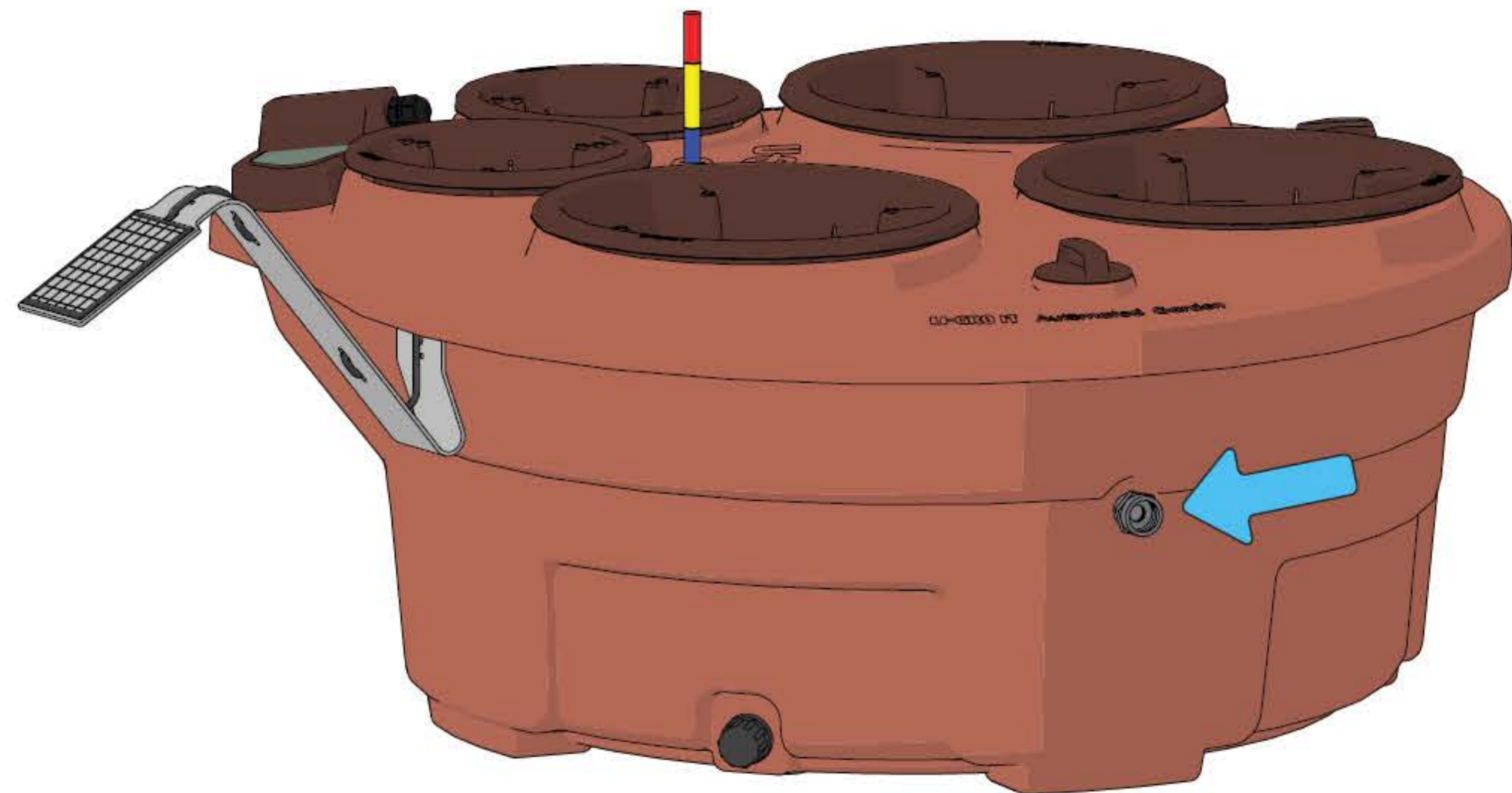
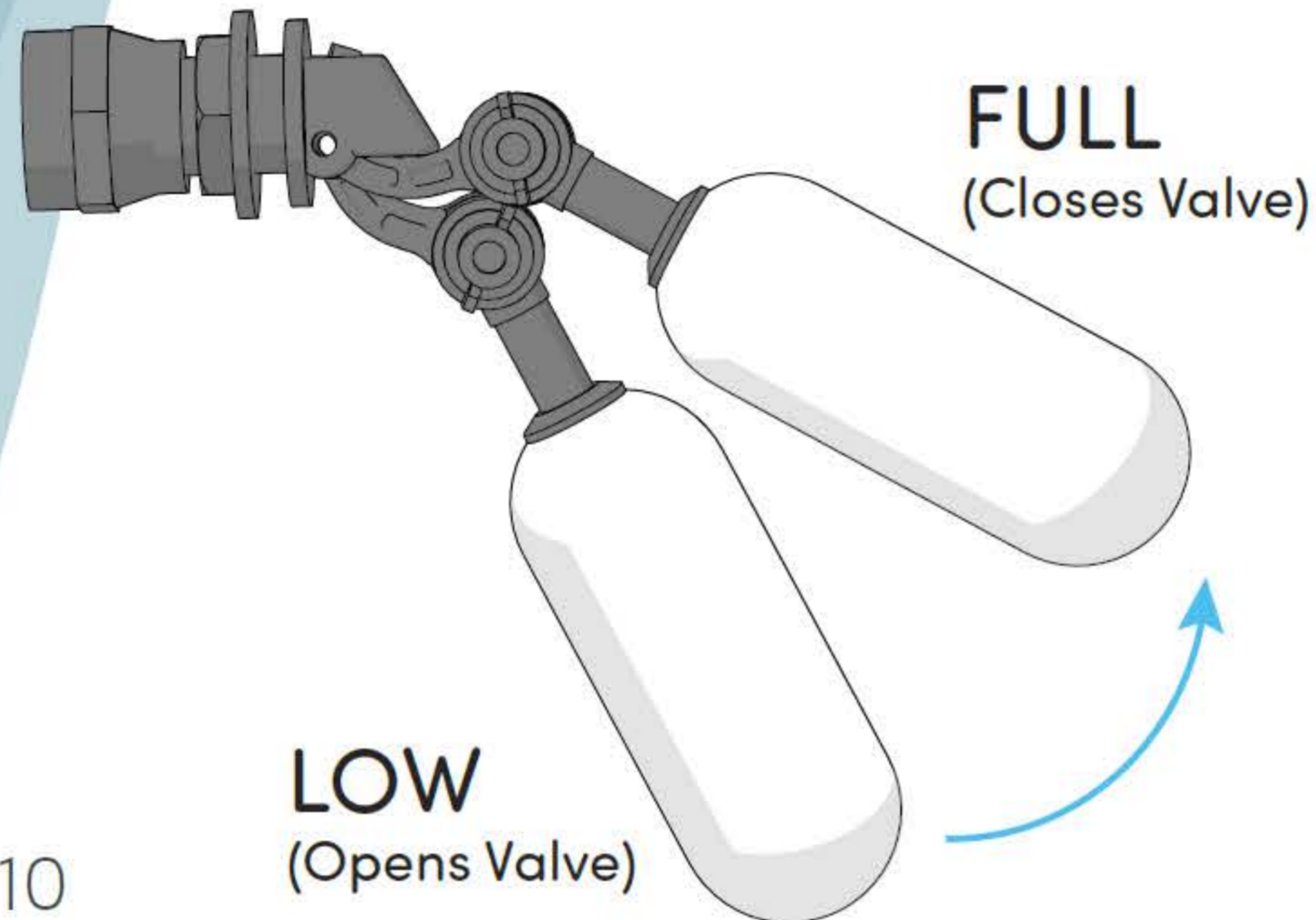
To **STOP** a watering cycle (both pumps will be stopped) before the pots have been saturated with water, press and hold the button for 10 seconds.



AUTOMATIC WATER FILL FEATURE

Every U-GroIT Automated Garden comes equipped with an optional use, automatic-fill float valve installed through the side wall of the reservoir. This valve has a female garden hose fitting located on the outside of the reservoir for easy connectivity. This float triggers automatic filling when water levels get too low and automatically shuts off when correct levels are met.

If using this exciting feature, we recommend installing a "Hose-end Irrigation Timer" to your water source to avoid continuous water pressure which could result in flooding, damage and high utility bills if there is a malfunction.



10



FERTILIZATION

All purpose potting mix is the preferred growing medium to use with your U-GroIT Automated Garden. Eventually, any nutrients found in the soil will be depleted and necessary nutrients will be supplied solely through the water supply. In order to sufficiently feed your plants you must fertilize regularly. We recommend using Miracle-Gro® Liquid All Purpose Plant Food.

STEP 1: If using liquid fertilizer, one capful can be poured directly into reservoir. If using granular fertilizer, one large scoopful can be poured directly into reservoir.

STEP 2: Fertilize every 14 days or at each reservoir refill.

Do not use water that has been processed through a water softener as this will make the water's alkalinity too high. pH level should fall between 5.5-7.



SYSTEM CARE AND MAINTENANCE

After each growing season it is recommended that you wash your U-GroIT Automated Gardening System to eliminate any bacteria that has grown inside the pots and reservoir. This will ensure healthy plants for the next season.

STEP 1: Simply wash reservoir, top cover, and pots with warm water and a mild, antibacterial dish soap using a non-abrasive washcloth or sponge.

STEP 2: Run one cycle with warm, soapy water to clean pump and tubing. Then run one cycle with clean water to flush out pump and tubing.

STEP 3: Once finished, replant with the new season's plants!

* If preparing for long-term storage, allow all parts to completely dry out before reassembling and storing.

LONG TERM STORAGE

If your system will not be in use for an extended period of time we suggest turning your system OFF to prevent damage to the electrical components. Inside of the controller box, in the battery compartment, you will find a toggle switch. It is recommended that you take the following actions before long term storage.

OVERWINTERING: Flip toggle switch to OFF position until you are ready to plant new spring crops. U-GroIT parts are not freeze proof and will crack if frozen. Be sure to completely dry out your garden before storing in freezing conditions or keep your system at above freezing temperatures.

MULTI-SEASONAL STORAGE: Flip toggle switch to OFF position and remove battery.

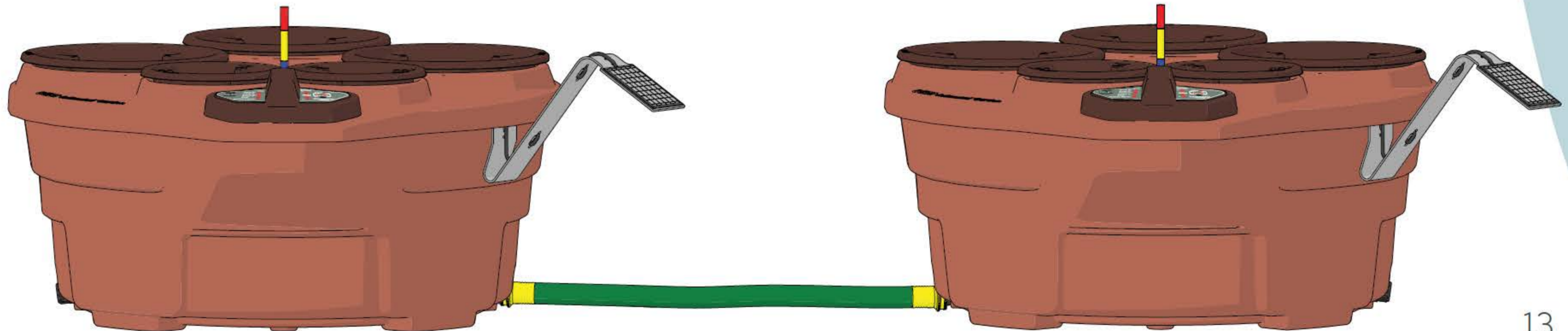
NEVER USE ABRASIVE CLEANERS OR SCOURING PADS!

Abrasive cleaning methods can mar the finish and create porous surfaces that house bacteria.



DAISY-CHAINING FEATURE

Located on the bottom sides of the reservoir are two, male garden hose fittings with caps. These fittings double as drainage points when the caps are removed or a location to connect multiple gardens together via garden hoses. This daisy-chaining capability allows an endless amount of gardens to be chained together and plumbed to one water source for easy and effortless filling on large scale set-ups.



OPTIONAL ACCESSORIES

Caster Assembly - Reposition your garden with ease with a heavy duty frame and four, smooth-rolling caster wheels. *If using this accessory, your garden must be located on a stable and level surface so keep garden from rolling away and possibly causing injury or damage.*

Scan the QR Code to shop for optional accessories that are specifically designed for your system or visit www.ugroit.com/accessories



Follow us on social media for gardening tips, ideas and user submitted photo features! Use #GetTomated for a chance to be featured!



Scan the QR Code for instant access to our blog!



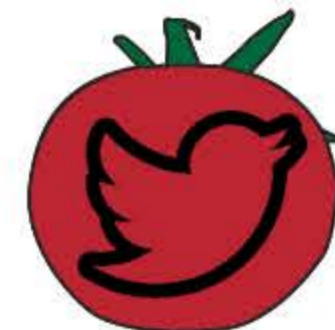
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PERSONAL GARDENING NOTES

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