

MiracleGro
AeroGarden
Quick Setup Guide
Simple Steps to Get Your AeroGarden Up and Growing (No tools required)

AeroGarden
ULTRA LED

Welcome to the world of indoor gardening!



AeroGarden ULTRA LED Model number: 100744 - BLK
Electrical Rating: 120V~60Hz, 0.32A

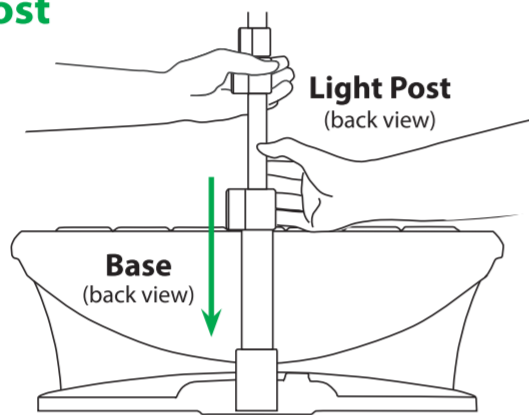
Date Code

Keep this Guide!

5 Easy Steps
To Get Your AeroGarden Up and Growing

1 Insert Light Post into Base

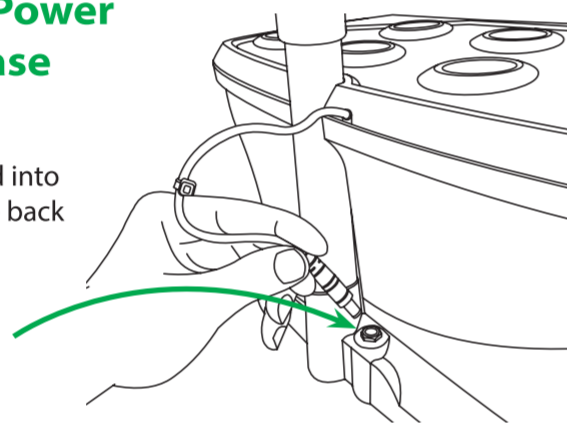
Push Light Post straight down firmly into Base.



2 Plug Pump Power Cord into Base

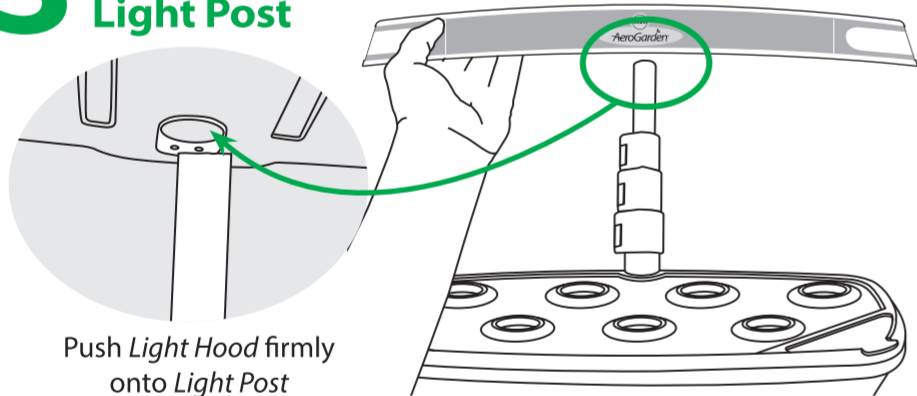
Plug Pump power cord into the connection on the back of the base.

Pump Power Cord (back view)



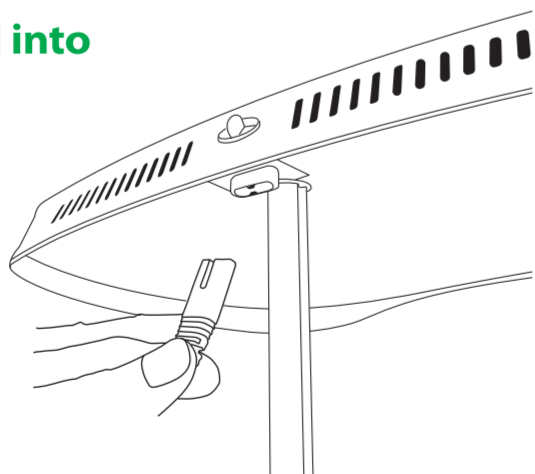
3 Place Light Hood onto Light Post

Push Light Hood firmly onto Light Post



4 Plug Light Cord into Light Hood

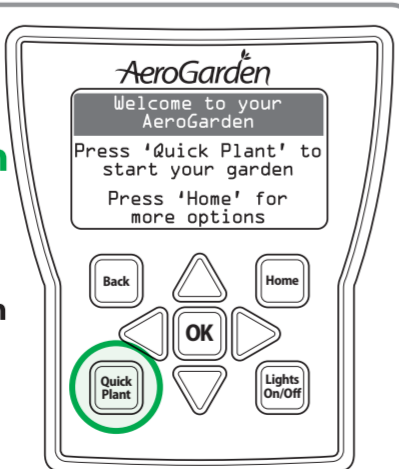
Push Light Cord firmly into socket in Light Hood. Do not connect Light Hood to any other power source.



5 Plug Power Cord into Electrical Outlet and Press Quick Plant Button

Quick Plant

Press Quick Plant button on the control panel for step-by-step instructions on planting your garden.



CONGRATULATIONS!
Your garden is ready to grow.
It really is that easy!

For more details on planting, growing and harvesting your AeroGarden, please turn the page.



IMPORTANT SAFETY INSTRUCTIONS

When using this AeroGarden electrical furnishing, basic precautions should always be followed, including the following: **Read all instructions before using this AeroGarden furnishing. SAVE THESE INSTRUCTIONS**

1. To reduce the risk of electric shock, the AeroGarden has a specific plug. Do not change the plug in any way.

DANGER – to reduce risk of electric shock:

2. Always unplug the AeroGarden from electrical outlet before cleaning or changing Grow Lights (light bulbs).

WARNING – to reduce risk of burns, fire, electric shock, or injury to persons:

3. Unplug AeroGarden from outlet before putting on or taking off parts.

4. Close supervision is necessary when an AeroGarden is used by or near children, invalids, or disabled persons.

5. Use AeroGarden only for its intended use as described in the instructions. Do not use attachments not recommended by manufacturer.

6. Never operate AeroGarden if it has a damaged cord or plug, if it is not working properly, if it has been dropped and damaged, or if it has been dropped in water. If any of these conditions occur/exist, contact www.AeroGardenSupport.com or your country's local distributor for instructions.

7. Keep cord away from heated surfaces.

8. Never operate furnishing with air openings blocked. Keep air openings free of lint, hair, and the like.

9. Never drop or insert any object into any electrical openings.

10. Do not use outdoors.

11. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

12. Do not touch moving parts or hot parts such as pumps, lights, reflective surfaces, and the like.

13. To disconnect, remove plug from outlet.

14. Do not place or submerge base, cord, plug, or Light Hood in water or other liquid to clean it.

15. Do not allow water to contact hot LED Grow Lights.

16. Use only approved and supplied parts and accessories. Use only AeroGarden LED Grow Lights with this AeroGarden model. Use of any other kind of accessory is not recommended. Replacement parts can be ordered from www.AeroGarden.com

17. Do not use AeroGarden for other than intended purpose.

18. This product is intended for household and residential use only. This product is not approved for commercial applications.

19. If supply cord is damaged, it must be replaced by manufacturer, its service agent, or similarly qualified technician in order to avoid a hazard.

20. Electrical wiring must be in accordance with local regulations.

21. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of appliance by a person responsible for their safety.

22. Children should be supervised to ensure they do not play with the appliance.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna. —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Increase the separation between the equipment and receiver. —Consult the dealer or an experienced radio/TV technician for help.

Included in Package



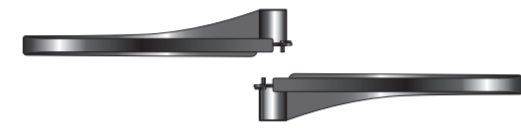
LED Light Hood (30 Watts)



Bowl & Base Assembly



Light Post

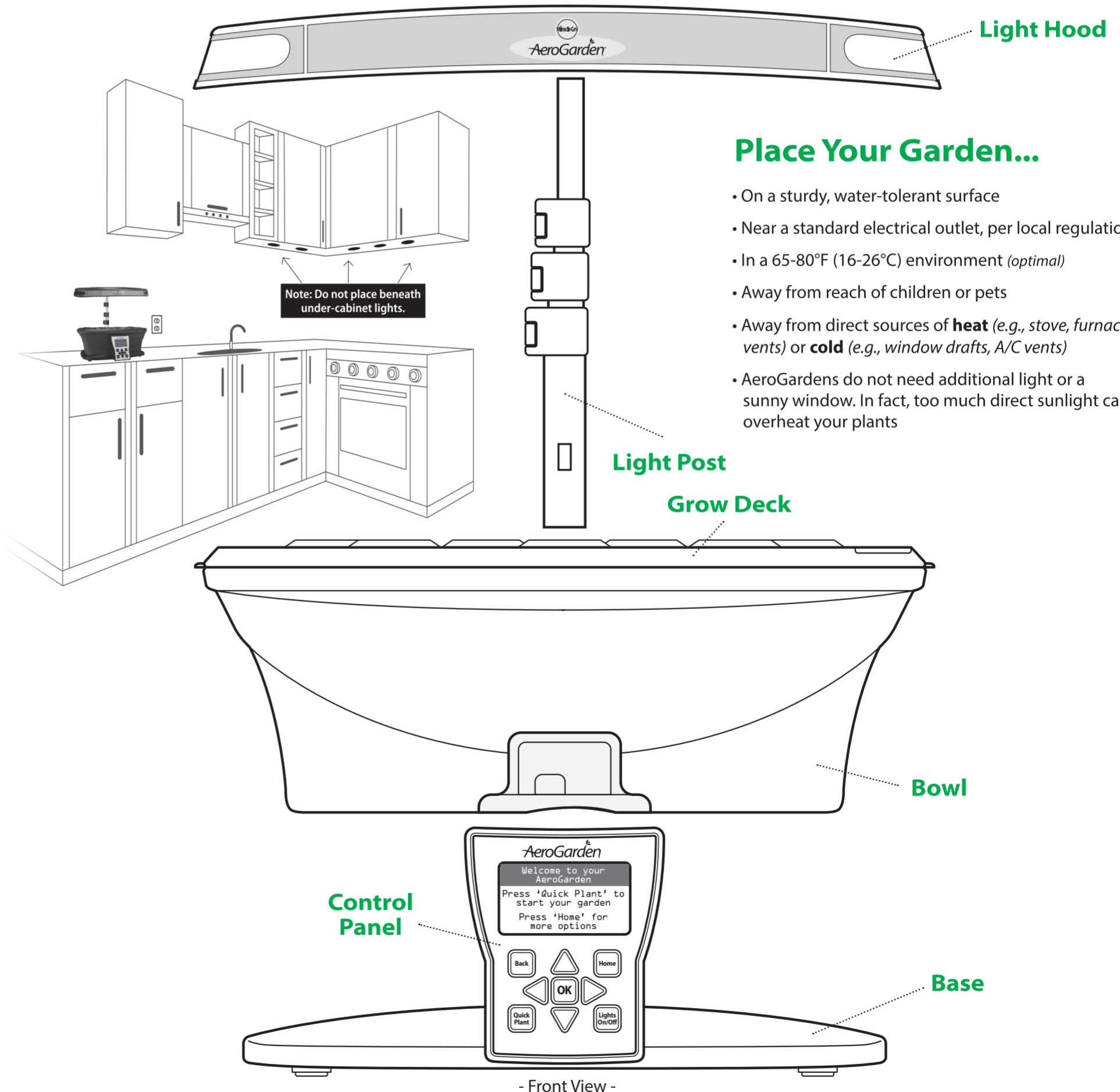


Trellis System



Seed Pod Kit

► Order extra Seed Pod Kits and Accessories at www.aerogarden.com



To Raise and Lower the Light Hood

To raise the Light Hood, push open the lever on the 'buckle' attached to the Light Post to allow the post to slide up and down. Pull up on the Light Post until you reach the desired position, then push the buckle shut to lock Light Post into place.

When planting a new Seed Pod Kit, the Light Hood should be set to the lowest possible position. For instructions and tips about when to raise (or not to raise) the Light Hood, refer to Gardening Tips (on flip side) and/or Seed Pod Kit Instruction booklet included with each seed kit.

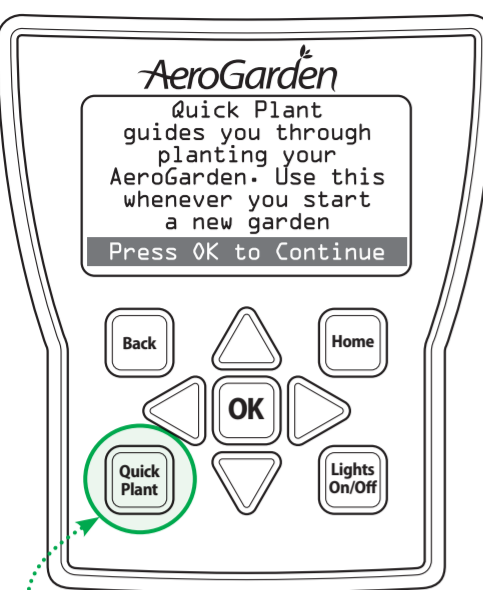
Note: The bottom buckle is stationary and that portion of the Light Post does not move up or down.



NEXT: Planting Your Garden

Record the planting date on a calendar or in a notebook.

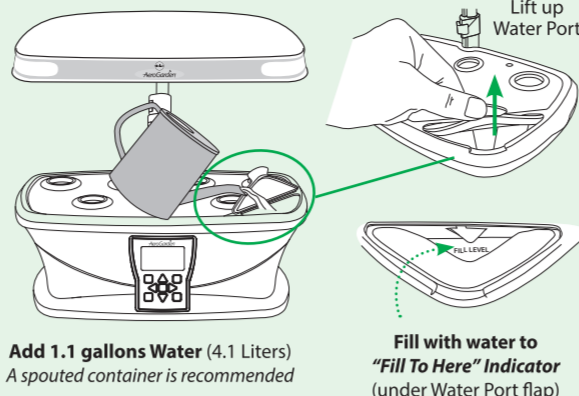
Press 'Quick Plant' Button to Start a New Garden



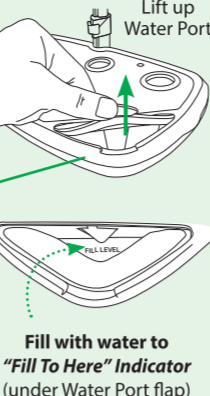
Before planting, press **Quick Plant** button on the control panel for step-by-step instructions.

1. Add Water

- Add water to "Fill To Here" indicator located under the Water Port flap.
- Use room temperature tap water or bottled distilled water.
- Do not use well water which may interfere with our nutrients, or softened water, as it contains levels of sodium usually harmful to plants.
- The 'Add Water' reminder alert will appear on the control panel when the water level is low. For best results, keep the water level near the fill line at all times.



Add 1.1 gallons Water (4.1 Liters)
A spouted container is recommended

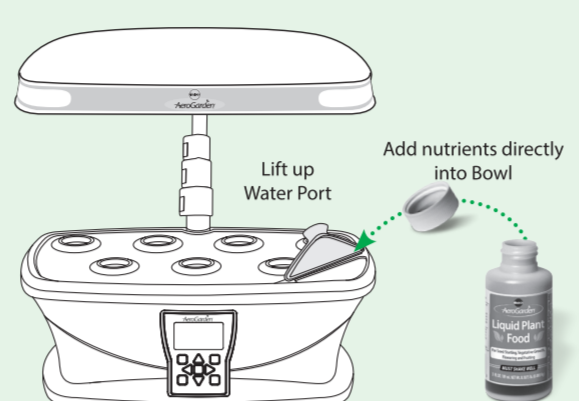


Fill with water to "Fill To Here" Indicator (under Water Port flap)

2. Add Nutrients

- Nutrient instructions are printed on the packaging, as well as in the Seed Pod Kit Instructions booklet. Read and follow the instructions carefully!
- Use only the recommended amount of Liquid Nutrient.
- Add nutrient directly into Bowl when first planting your Seed Pod Kit, and when the 'Add Nutrient' reminder activates (every 2 weeks).
- Do not overfeed! More isn't better. Too much nutrient may be harmful to your plants.

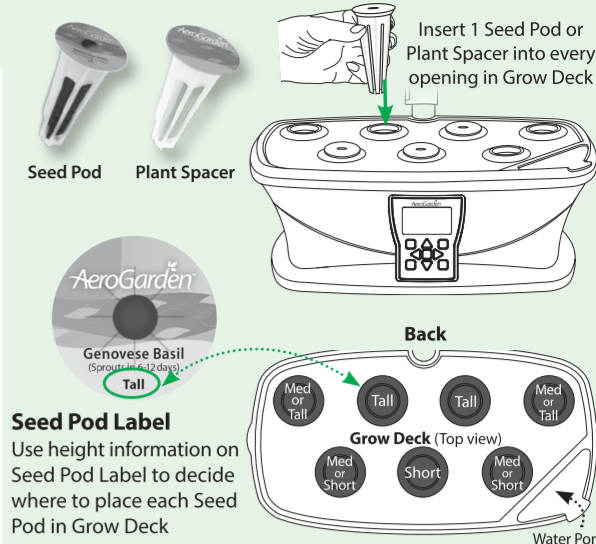
Nutrient Feeding Tip: Always top off water level when adding Liquid Nutrients. For best results, top off the water level in your garden regularly.



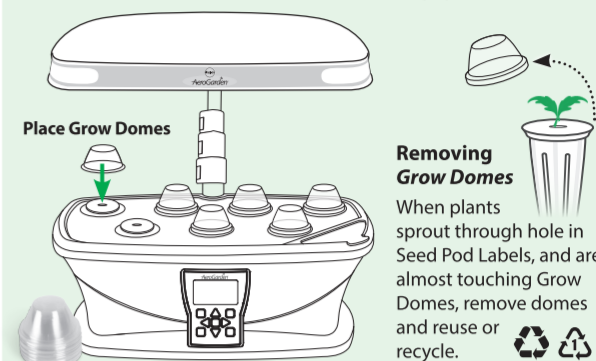
Read and follow Seed Pod Kit Instructions booklet carefully!

3. Add Seed Pods & Grow Domes

- Insert Seed Pods into openings in Grow Deck.
- Seed Pod Labels often identify plant height to assist with placement. Look for height noted on Labels.
- Plants grow best and look best if medium or tall plants are in back openings, and short plants are in front openings (see diagram).
- Seed Pod Kits for Tomatoes and Peppers often include both Seed Pods and Plant Spacers. Plant Spacers allow your Tomato/Pepper plants ample room to grow.
- Do not remove Labels from Seed Pods. The labels identify the plant type and plant height, show the germination time, and inhibit algae growth.
- Place a Grow Dome over each Seed Pod.
- Grow Domes rest on Seed Pods and may not 'snap' into place. Also, it is not necessary for Grow Domes to cover any Plant Spacers in your AeroGarden.
- Leave Grow Domes on the Seed Pods until plants have sprouted and their leaves nearly touch the domes.
- Once removed, Grow Domes may be reused/recycled.



Seed Pod Label
Use height information on Seed Pod Label to decide where to place each Seed Pod in Grow Deck



Place Grow Domes

Removing Grow Domes

When plants sprout through hole in Seed Pod Labels, and are almost touching Grow Domes, remove domes and reuse or recycle.

Reminder:
Do not remove Grow Domes until seeds have sprouted.
NEVER REMOVE SEED POD LABELS

Congratulations!
You're on your way to a beautiful garden.

Control Panel Settings

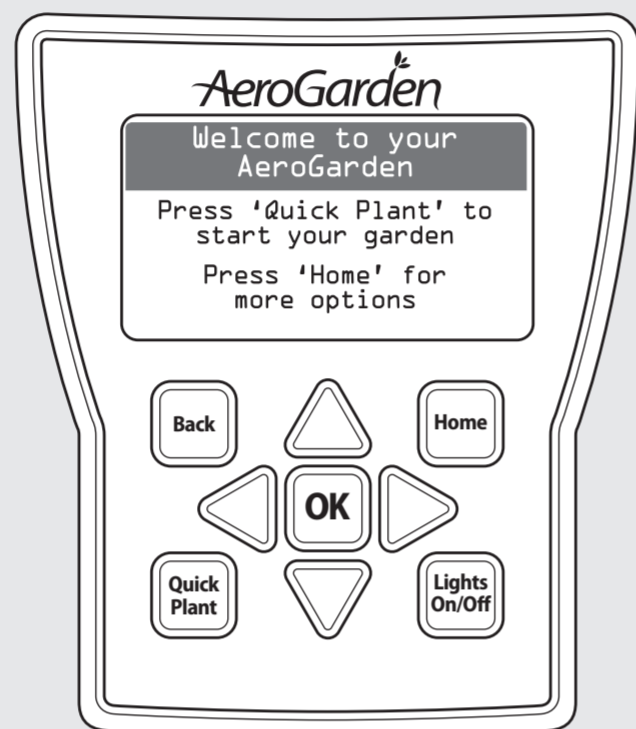
The AeroGarden *ULTRA* LED control panel makes it easy for anyone to grow indoors. Beginners get step by step instructions of the planting process and tips to improve gardening skills. And it allows Advanced Users to customize every aspect of their indoor garden, expanding the possibilities of what can be grown indoors.

NAVIGATION

To navigate the control panel, use **Up/Down** and **Left/Right arrows** to move through screens. Press the **OK Button** to select an option.

OPTIONS

- **Quick Plant Button:** Press Quick Plant from any screen when starting a new garden.
- **Lights On/Off Button:** Temporarily turns lights on or off. Your lights will automatically go back to their programmed settings at the start of the next on/off cycle.
- **Back Button:** Always takes you back to the previous screen.
- **Home Button:** Press the Home Button from any screen for access to more menu options, including:

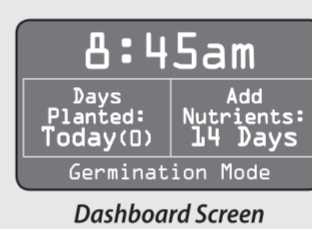


• **Quick Plant** – With just a few clicks, Quick Plant helps you select the settings you need for the type of plants you are growing. There is also a Quick Plant button on the front screen for easy access.

• **Garden Status** – All your settings (lights, pump, etc) can be viewed in Garden Status, located on Page 2 of the Home Screen.

- **Set Clock** – Use this to re-set your clock time (set initially during Quick Plant). You should do this after a power outage (the AeroGarden automatically holds all other settings during a power outage, but you'll need to re-set your clock).
- **Set Lights** – Use this if you want to change the times your LED Grow Lights will go on and off (you'll set these initially in the Quick Plant function).
- **Set Audio Alerts** – Use this to turn on audio alerts that remind you when to add water and nutrients. You can also easily set the times during which alerts can't sound (so they don't wake you up in the middle of the night).
- **Custom Settings** – Advanced Users can program all critical elements of their AeroGarden, from lights to pumps to nutrient cycles. This is not needed in normal operations. You can also restore defaults from this setting.
- **Help & Tips** – Use this for easy access to helpful tips and customer support information.
- **Order Supplies** – Easy access to replacement part numbers and customer support contact information.

Your AeroGarden *ULTRA* LED defaults to the Dashboard Screen. Here you'll find critical information on Days Planted, Days until next feeding, and relevant tips for your garden as it grows. From any other screen, press the 'HOME' button once or twice (depending on which screen you are on) to return to the Dashboard.



Dashboard Screen

Using the Trellis System

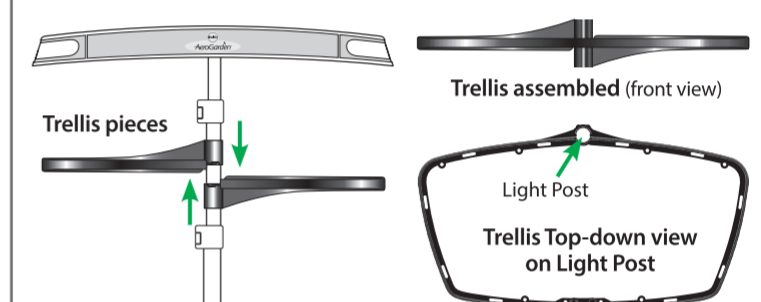
The included *Trellis System* will support your large plants, such as Tomatoes and Peppers, by wrapping around the plants as they grow.

Once your plants reach a height where they would benefit from extra support, attach the *Trellis System* to the top Light Post section as pictured. The *Trellis* can be repositioned as plants grow.

To give plants the best light for growth, do not add *Trellis* until needed.



How to assemble Trellis System



1) Snap on each part separately to top section of the Light Post. 2) Snap together in front to connect pieces.

Gardening Tips for Maximum Harvests

PLANTING

- Many Seed Pods are labeled for height. Gardens grow and look their best when tall plants are planted in back, medium plants along the sides, and short plants in front. If plants are all the same size, like Salad Greens, they can be planted anywhere.
- Do not remove Labels from Seed Pods. The labels identify the plant type and plant height, show the germination time, and inhibit algae growth.
- Grow Domes help regulate moisture and temperature for optimal germination. Leave them on until plants are nearly touching the domes.
- Seed Pod Kits for large plants like Tomatoes and Peppers often receive fewer than 7 pods to compensate for the large plant size. Place Seed Pods in each back/side opening and in the center front opening. Put Plant Spacers in the remaining openings.

GERMINATION

- Some seeds germinate in less than 24 hours. Some take 24 days or more. Most labels give an estimate of how long your seeds will take to germinate but many factors impact germination.
- As a rule of thumb, if you are comfortable, so are your plants. However, plants are impacted by temperature. Cold weather plants like Salad Greens germinate better in cooler weather. Heat lovers like Tomatoes and Peppers will germinate faster in warmer temperatures (above 70 degrees F). But don't sweat it! While they may take a bit more time, your seeds will germinate.
- If you are growing your own seeds, plant 5-6 seeds per pod and check the seed packet for information regarding temperature and days to germination.

PRUNING

- Lower your plants, don't raise your lights! You will achieve more compact, beautiful growth and bigger harvests if you prune plants to keep the lights closer to all plants.
- Fast growing plants (like Basil) make gardeners want to raise the

lights hood too soon. Resist! Pruning the plant just above a new leaf set (Diagram A) and leaving the lights down low will ensure that slow-growing and low-growing plants in your garden get all the light they need to flourish.

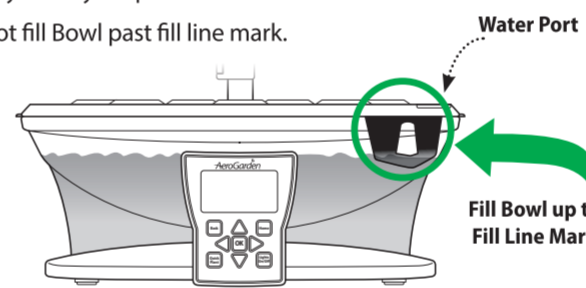
- Not pruning is the number one mistake made by new AeroGardeners! *Prune early and often and enjoy the small harvests!*
- Prune often to maintain a healthy garden, but never take more than 1/3 of each individual plant at a time.
- Plants compete for light. Left unattended, more aggressive growers can actually block enough light to suppress growth of their slower growing neighbors, and eventually they can die off due to lack of light. Spreading leaves must be trimmed (Diagram B) to make sure that slow growers get enough light to thrive and produce big yields.
- Finally, pruning = harvesting. Each time you prune you get to enjoy fresh herbs in a salad, soup on pizza or a sandwich. And, a full, bushy garden looks much better than one giant, spindly plant surrounded by straggly, light starved neighbors. Pruning also releases a wonderful scent. So prune!

WATER

- While the AeroGarden control panel will remind you when water gets low, best results are achieved by topping off water regularly.
- Plants grown in the AeroGarden are designed to thrive with most municipal tap water. Improved results can be seen with distilled water or reverse osmosis water, but this is not needed in most cases.
- Do not use well water, as most well water contains a high amount of dissolved solids that upset the balance of our nutrients. This can

result in plants suddenly browning, or just not growing well.

- Do not use softened water as it contains too much sodium and will usually harm your plants.
- Do not fill Bowl past fill line mark.

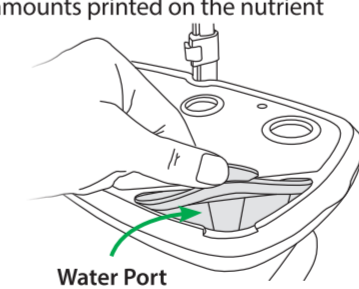


LIGHTS

- Be sure that the LED Light Hood is at the lowest possible position on the Light Post when planting a new Seed Pod Kit.
- Plants love light! As your plants grow, try to keep the lights as close to your plants as possible. Plants should just be 1 - 2 inches below Light Hood.
- Always check to see if you can prune plants instead of raising the light. After pruning, lower your lights back down to within 1-2 inches of plants if possible.
- You do not need to replace your LED lights unless individual diodes start to fail. Diodes have a 2-5 year life span.

NUTRIENTS

- Typically, your plants will need nutrients every 2 weeks.
- Follow instructions for feeding amounts printed on the nutrient packaging.
- Add nutrients directly into the Bowl through the Water Port.
- Nutrient requirements may change as plants grow. See nutrient packaging for details.
- More isn't better. Resist the temptation to add "just a little



extra." Too much nutrient can hurt your plants.

- For best results, try a "Rinse and Refill" once a month when it's time to add nutrients. Simply empty all water from the bowl, add fresh water and nutrients and reset your "Add Nutrient" alert. This balances the nutrients, delivering an instant pick up to plants.

POLLINATING

Because most people don't have bees in their home, you will need to start pollinating your fruiting plants (tomatoes, peppers, strawberries, etc) once they begin to flower (approximately 4 - 6 weeks after planting). To pollinate, use one or more of the following methods:

- Place an open hand inside plant branches and gently move your hand back and forth to shake the plant and spread the pollen.
- Place a fan near your plants and the moving air will pollinate your plants.
- Touch the main stem of the plants with an electric toothbrush and allow the vibration to spread the pollen.
- Strawberries can benefit from more aggressive pollination. Using an electric toothbrush, touch each flower with the brush, moving from flower to flower.

HARVESTING

- Many first-time growers are hesitant to harvest. Don't be! Most gardens will produce more, for a longer period, with frequent harvests. You almost can't begin to harvest (prune) early enough.
- AeroGardens work best with a harvesting method called "cut and come again." Simply put, you enjoy frequent small harvests and then watch as the plants rapidly regrow - ready for harvest again and again.
- Enjoy frequent, smaller harvests for the first month or two until plants mature and larger harvests are available.
- Harvest often to maintain a healthy garden, but never take more than 1/3 of each individual plant at a time.
- For Salad Greens, cut the top 2 inches off the entire garden, or harvest large leaves individually by cutting off at the base of the plant.

U.S. CAUTION – You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

User Maintenance: Any servicing is to be performed by an authorized service representative. Use original packaging for storage when the appliance is not used.

Disconnect power before servicing or replacing lights. Use only AeroGarden LED Light Hood replacement.

DO NOT SUBMERGE HOUSEHOLD USE ONLY

Do not immerse cord in water or other liquid, and unplug cord from outlet when not in use.

To reduce the risk of electric shock, this furnishing has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

CAUTION! TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
POUR ÉVITER UN CHOC ÉLECTRIQUE, PRÉSENTER LA LAME LARGE À LA FENTE LARGE ET POUSSER JUSQU'AU FOND.



LIMITED WARRANTY

- **WHAT IS COVERED** – This warranty covers any defects in materials or workmanship, with the exceptions stated below.
- **HOW LONG COVERAGE LASTS** – This warranty runs for one (1) year on this AeroGarden and LED Grow Lights, from the date of original purchase, for the original purchaser/user.
- **WHAT IS NOT COVERED** – The warranty shall not apply to problems arising from: normal wear; failure to adhere to enclosed operating instructions; serial numbered products if the serial number has been removed or defaced; products subject to negligence, accident, improper use, maintenance or storage; products damaged by circumstances beyond AeroGrow International Inc's control; loss or damage to removable parts; or products modified (including, but not limited to, modifications through the use of unauthorized parts or attachments) or repaired by anyone other than AeroGrow International, Inc., or its designee. This warranty excludes all incidental or consequential damages.
- **WHAT AEROGROW WILL DO** – AeroGrow International, Inc., at its option, will repair any defects in materials or workmanship or will replace these products with ones of similar features and price. AeroGrow International, Inc's sole obligation and your exclusive remedy under this warranty shall be limited to such repair or replacement.
- **TO RETURN THIS PRODUCT** – If you have questions or concerns regarding your AeroGarden, please contact Customer Service at 1-800-476-9669. Please do not return any product without contacting AeroGrow for return authorization. Unauthorized returns, as well as C.O.D. shipments, will be refused. For more information regarding returns, please see the Returns section at www.AeroGarden.com

Due to continuing improvements, actual product may differ slightly from the product described herein. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other legal rights that vary from state to state.

If you have any questions please feel free to contact our customer service representatives at 1-800-476-9669.
NEED SUPPLIES, ACCESSORIES OR INFORMATION? Call: 1-800-476-9669 or Visit Our Website: www.AeroGarden.com



We also have an active Facebook Community that loves to answer questions at [facebook.com/aerogarden](https://www.facebook.com/aerogarden). "Like" us for special offers and community fun!



AeroGrow International, Inc., P.O. Box 18450, Boulder, CO 80308-1450
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