MAINTENANCE

Submersible Pump

— To assist in emptying your reservoir we include a small submersible pump and hose. Every week when you change your nutrients simply place the pump inside the reservoir with the black hose extending to a drain area. This could be a bucket, large plastic container, or anything with enough volume to accommodate your nutrient waste.
— Plug in the pump and wait until the reservoir is drained.
— Pump will leave a small amount of nutrient in the bottom of the reservoir. It will not remove all of the liquid.
— Unplug the pump and remove from the reservoir.
— Wipe off the pump and run water through the black hose to displace any minute accumulation of mineral salts.
— Store in a convenient location.
— Replace nutrients.

Cleaning

— Periodically you will notice dust buildup on your intake filter and exhaust fan. This issue is simply remedied by using the hand tool on a vacuum cleaner and/or compressed air.
— Fan filter and guard on the interior of the box may be removed by unfastening one of the four clips on the fan guard, then working all the way around. (Replacement filter material and fan kits may be purchased at Dealzer.com)
— Between every grow—or more often if necessary—remove your reservoir and wipe down all reflective insulation within the box and vacuum all creases, corners, and seams. This will aid in preventing any insect or fungus problems drastically.
VEGETATIVE GROWTH

After you begin your weekly fertilizer regimen you will see noticeable growth rates. Plant roots will extend from the bottom of the net pot searching for water to prevent over-saturation of the starter plug. It should stay moist, but not entirely soaked.

Monitor daily—if possible—to ensure your young plants are thriving. Plants whose metabolism is strong will have drastically higher rates of nutrient and water uptake than a plant of inferior health. Leaf blades and petioles will be at a 45 degree angle or more optimally and continue both upward and outward. This momentum does not will not get old. By week 6-8 of growth you will notice leaf blades and petioles becoming a brighter green. This is your plant telling you that it is a part of the system and no longer requires attention.

Included to aid this process is a small submersible air pump. Insert included net pots to coordinating holes on the reservoir lid. Place a single organic starter plug into each net pot. Fill the reservoir base with either filtered water (Reverse osmosis, de-chlorinator/sediment filter, distilled water) or tap water which has had time to sit in order to evaporate steam. The reservoir level should reach the BOTTOM of your net pots as they sit in the reservoir lid.

REPRODUCTIVE GROWTH

Within the first week of flowering induction you will notice visible changes in your plants. Overall plant height will now begin to rapidly increase and internode spacing will stretch. Flowering plants require higher levels of both nitrogen and potassium. Do not find yourself discouraged if the flowers appear smaller than you want during the first two weeks. Cycles of plant growth are not linear, and you must continue providing adequate levels of nutrients for your plants to continue growing. You will continue to add the included fertilizer to your reservoir for the following cycles. Your plant will continue growing and requiring nutrients, and you will be able to enjoy the harvest.

Once plants have reach 1/3 of the growing space (top of reservoir to the bottom of your LED light), we recommend you induce flowering by now switching your timer to 12 hours ON/12 hours OFF. Plants will stretch 2-3 times their height during the reproductive cycle. You are now ready to switch your fertilizer regimen to the Bloom nutrients.

SETUP

Open cabinet and remove all included items. Check packing list to validate all items were received.

Place empty reservoir base in the bottom of the cabinet. Place those empty net pots into the center of your empty reservoir.

Place lid onto reservoir base. Connect air line to the outlet nipple on your air pump. This is secured to the back panel of the cabinet and resembles a black computer mouse. Outlet nipple is facing upward.

Plug your mechanical timer into a power source and set accordingly to the current time of day. (Bottom of a standard home outlet is preferable so you will have access to the top half)

REMEMBER: Once you switch to a flowering/reproductive cycle the timer should be set for 12 hours ON/12 hours OFF and MUST be an uninterrupted dark period. Do not change the start ON time, but instead increase the OFF time. All black intervals switches from 5AM to 11AM should be raised.

Next, plug in your Quasar LED light and your exhaust fan to the each side of the mechanical timer. (Note: The red switch on the side of the timer will allow it to function either as set by user for on/off intervals or remain on 24 hours a day. If the letter "I" is visible your light and fans will remain on uninterrupted. Please take time to make sure the clock icon is visible.)

Plug your air pump into a power source—not the timer—that will remain on for 24 hours a day. Your plant roots need air just as you do.

Turn on each electrical component and make sure everything is working properly.

Now you are ready to plant some seeds.