



# SILOGRO

TM

*Grow what you Love!*

*Love What you Grow!*



## OWNERS MANUAL

Model # SiloGro XL

Manufactured by:

Big Moon Products Inc.

2621 NE 9<sup>th</sup> Ave.

Unit 12

Cape Coral, Florida 33909

Contact

[www.SiloGro.com](http://www.SiloGro.com)

Phone 888-832-3003

SiloGro TM and Patent Pending

## **SAVE THESE INSTRUCTIONS IMPORTANT SAFETY INSTRUCTIONS!**

- 1. READ and Follow ALL INSTRUCTIONS**
- 2. WARNING! INDOOR USE ONLY!** Not for outdoor use!  
**RISK of Electrical Shock or Fire!** Installing this product outdoors is prohibited. Doing so will void all warranties.
- 3. Danger Risk of Injury!**
  - a. Replace any worn cords immediately.
  - b. Do not use extension cords.
  - c. Always operate product with sufficient water level.

### **ADDITIONAL WARNINGS**

- 1.** Never use an extension cord to connect the power pack to a power source. This could cause a voltage drop which, may cause damage to the control, pump and create a fire hazard.
- 2.** Always operate product on dry, level surface with sufficient water level.
- 3.** Maintain proper water chemistry. Ideal PH is between 5.6 and 6.2.
- 4.** Install SiloGro only indoors, on floors or areas that can withstand water exposure. Equipment failure, as well as filling and draining may spill water.
- 5.** Do not open power pack, doing so will void warranty.
- 6.** When storing your SiloGro, always drain all water from tub and plumbing. Especially in freezing temperatures as freeze damage is not covered by warranty.

**\*\*\* Please note this guide is not meant to be an all-exclusive tutorial. Your SiloGro may also be used to grow lettuce, leafy greens, and fragrant herbs, other than cannabis. Possession, growing and consuming cannabis may be illegal or restricted in your locality or state. The use of this product or purchasing seed should be done so in line with your local and State laws.\*\*\***

# PACKAGE CONTENTS

Refer to the following picture and checklist to identify and verify that all parts for your SiloGro have been received and are undamaged.

\*Report missing or damaged parts immediately to [support@silogro.com](mailto:support@silogro.com)



\*\*\* Please note some items are packaged inside of the tub.

1. Tub, Lid, Atomizer, Air stone

2. Grow dome assembly

3. Risers (2 sets)

4. Power pack controller

5. Power adapter (1pc)

6. Connection Cables (3pc)

7. 3" Net pots (6pc)

8. Net Pot lids (6pc)

9. Clay pebbles

10. Rock wool cubes (6pc)

11. Digital PH and PPM meters

12. Fill funnel

13. Plant Nutrient

14. Nutrient scoop

15. Stabilizer Pin

16. Air Stone

17. Nano Mister with Float

18. Drain Fill Valve

## SiloGro Assembly

**\*Please note.** Before you start you will need about 5 gallons of purified or distilled water.

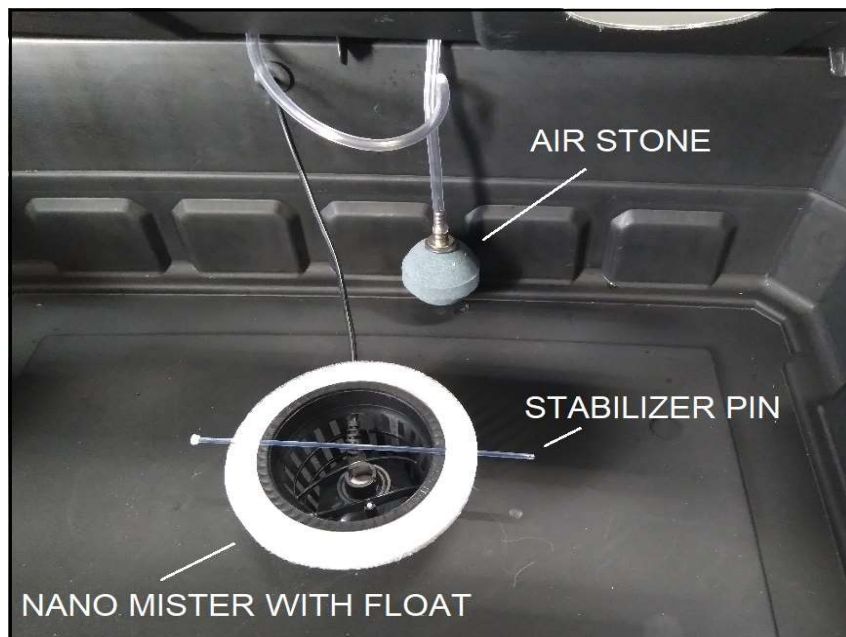
To adjust the PH level we recommend;

**lemon or lime juice** to lower the PH level, and

**baking soda** to raise the PH level. \*See Growing Guide

1. Location: Choose an **indoor location only!** We suggest a countertop, table, or rolling cart. An area about 36 inches wide by 30 inches deep will be sufficient. Please note your SiloGro XL can expand to a height of 40 inches!
2. Remove all parts from the carton Compare with package contents page.
  - A. Remove Dome Lid and Riser Panels (3). Locate Tub (1). Inside you will see the Components Box (not shown), Air stone, Ultrasonic nano mister and nano mister stabilizer pin (taped to Lid bottom). See Fig. #1

Fig. 1

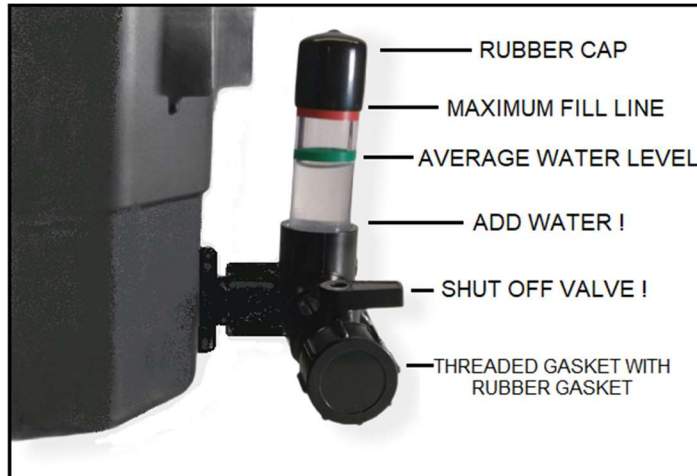


Air Stone      Ultrasonic nano mister w/float      Nano mister stabilizer pin

3. Please check fill valve is in closed and capped position. Fig.2

Add approximately 5 gallons of water to tub to average fill on clear tube by fill and drain assembly. **Do not attach Dome Assembly to Empty Tub!**

Fig. 2



4. Adjust PH of water in the tub using the PH meter included with the kit. The ideal PH of the water should be between 5.8 and 6.8. Use PH meter to determine water's PH using the meter's directions.

**If reading is high** Use lemon or lime juice at 2 tablespoons to **lower** PH by 1 point (per 5 gal. water). when added to the tub water.

**If PH is reading too low** add ¼ teaspoon baking soda to **raise** PH to approximately 6.8 level. See Fig.3

Please note: No nutrients are needed at this time, See \*Grow Start-Up Guide.

Fig. 3



PH meter tester reading



Lower PH/Elevate PH

4. Attach stabilizer pin for the Ultrasonic nano mister as shown in Fig. 4. This will keep the mister centered in tub while floating and feeding your plants. Place lid with the six holes on tub.

Fig. 4



Locate and put pin through top of lid

Place pin through floating basket

Attach lid

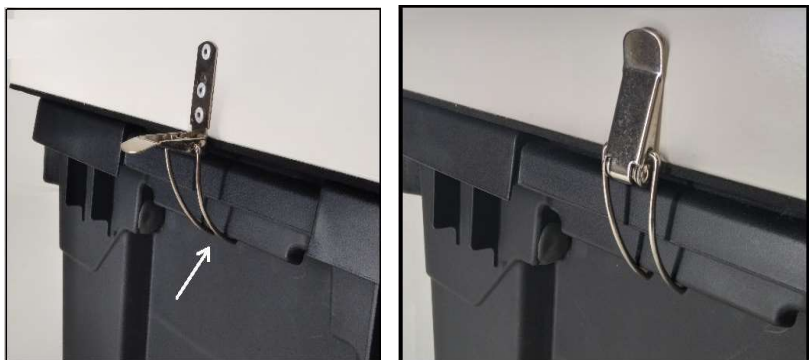
5. Locate Dome assembly and attach to tub as shown in Figure 5a.
  - Make sure dome assembly is centered. Secure clips under the tub handles to prevent tipping or sliding. Figure 5b.

Fig. 5a



Dome assembly

Fig. 5b



Attach Dome assembly securely under tub handles

6. Locate power Pack controller Figure 7. Place **next to or above** the SiloGro.

**! Warning !**

**DO NOT PLACE POWER PACK BELOW THE LEVEL OF THE SiloGro Unit!**

Damage from possible water backflow from airline tube could cause damage to controller if you place controller below the grow chamber.

Fig. 7



Power Pack

OK next to or above

**NOT OK** below!

7. Locate **Red (led)** and **Blue (fan)** colored coded cables.

Plug into corresponding color-coded socket receptacles on dome assembly as shown in Figure 6.

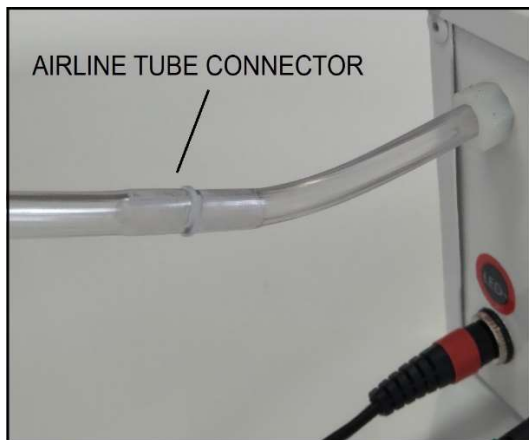
Fig. 6



Cable connection to dome assembly

- Connect clear **Air Line** tubing to **Air Line tube connector** at rear of power pack as shown in figure 8.  
Connect **Green** color coded (fog) cable coming from tub to same colored cable to corresponding socket on rear of power pack Figure 8b.  
Connect **Blue** and **Red** cables from dome to corresponding sockets on rear of power pack. See Figure 8b.

Fig. 8a



Air Line connection

Fig, 8b



Led (RED), Fog Nano Mister (GREEN), Fan (BLUE)

- Locate power adapter and connect to rear corresponding socket of rear of power pack shown in Figure 9.

Fig. 9



Dome to power pack colored cable connections



Power adapter to power pack connection



10. Test Operation and Functions.

A. Plug Power Adapter into properly wired 110 volt household receptacle. No extension cords should be used. See Figure 10.

B. Press main power button on the rear of power pack. See Figure 10a.

Fig 10.



Fig 10a.



C. On the front of the Power Pack, press each button on individually. Buttons should light up when pressed.

Each button color corresponds to the component. See Figure 11.

Fig 11.



Front of Power Pack Buttons

CONTINUED ON NEXT PAGE...

**AIR** button glows BLUE. This button turns on BOTH the Circulation Fan and the Aerator for the Air Stone.

This button should ALWAYS REMAIN ON!

**LED** button glows RED. This button turns on the Lights that are set by the LED timer.

NOTE: LED button will still glow RED when the timer is in the “OFF” time set period !

In order to turn the Lights on manually during the “OFF” time set period, move the red button on the timer UP.

**FOG** (Nano Mister) button glows GREEN. This button turns on the Nano Mister Fog that is set by the FOG Timer.

NOTE: FOG button will still glow GREEN when the timer is in the “OFF” time set period !

D. Set Timers as to directions in Figure 12.

### **TIMERS FUNCTIONS ARE PRESET !**

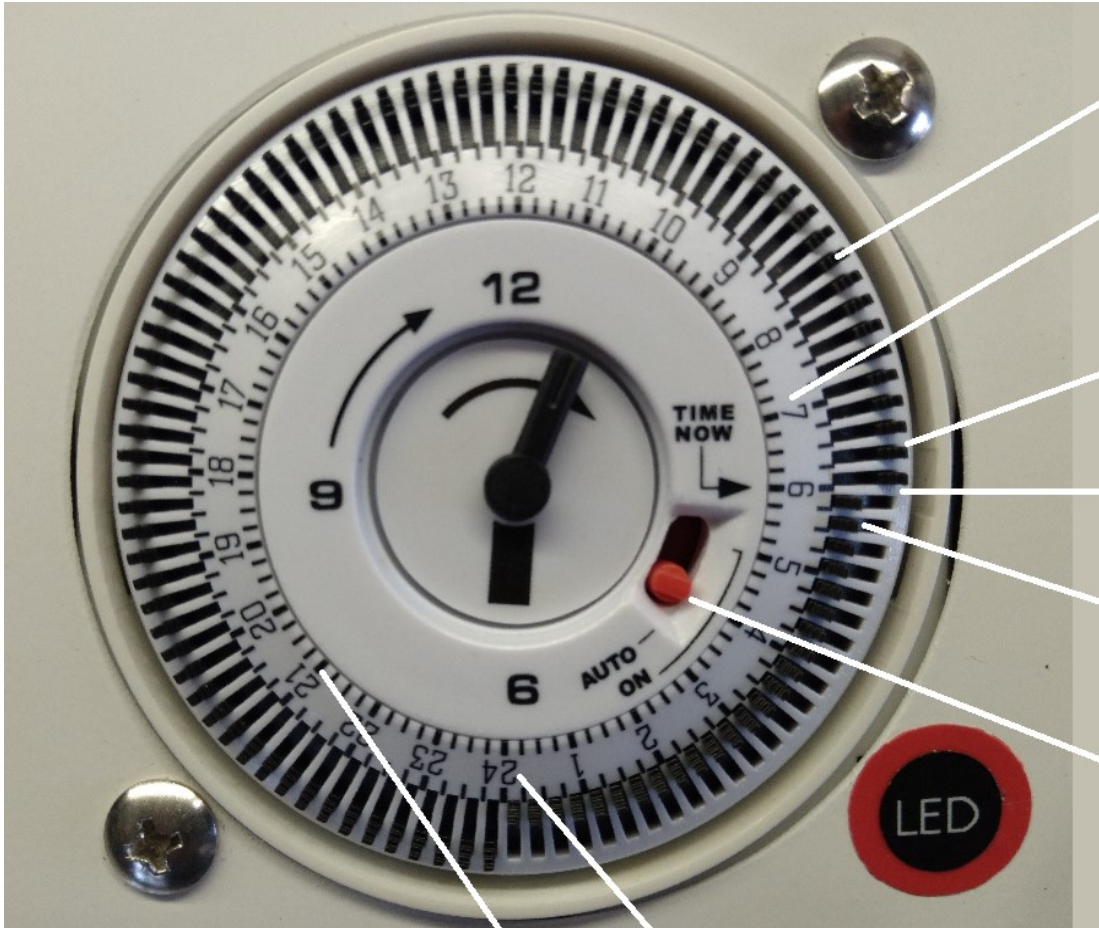
NOTE: You must set current time of day. See **A.** on next page.

LED Timer is preset for 18hrs ON and 6hrs OFF.

FOG Timer is preset for 15 minutes ON, 15 minutes Off continuous.

Fig 12.

## LED TIMER / Ultrasonic Fog Mister TIMER



### **A. To Set Your Current Time**

The current time is located by the Arrow on the right-hand side of the Timer, and the Clock Face.

Timer Rotates Clockwise in 24-hour cycles.

For example: 6 am = # 6, 6 pm = # 18.

There are 4 set Times per Hour each time = 15 min ea.

Tines pushed towards the outer rim of the timer represents switch activated to "ON".

Tines pushed towards the inner rim of the timer represents switch activated to "OFF".

RED button switch should be in Lower position for Automatic Timer Operation.

RED button switch moved up will manually turn power constantly "ON".

LED Timer is preset for 18hrs ON/6hrs OFF.

ON - at 6:00 am - OFF - at 12:00 midnight.



## RISER ASSEMBLY

As your plants grow taller you can attach the 8" Riser Assembly's to keep them from growing up into the lights.

Contained in the packaging are two sets of Risers. Please pay attention to each assembly's corresponding part numbers! See Fig 13.

Unpack the two long sides and the one package with the two short sides. (This package contains 8 screws).

Attach corresponding Letters and Numbers located on the top inner corners. It is easier to assemble the Risers Topside down. See Fig 14.

Place short side corners with holes over the rivets, slightly bend the corners back to place over the rivet. See Fig 15.

Weather stripping should go over the top and meet up with each other to create a complete seal.

Line up pre drilled holes and screw together with Phillips screwdriver. See Fig 16.

Fig 17. Riser Assembly clips on to the Tub the same as the Dome Assembly. (Refer to "Attaching Dome assembly" in Fig 5b.)

**Fig 13.**



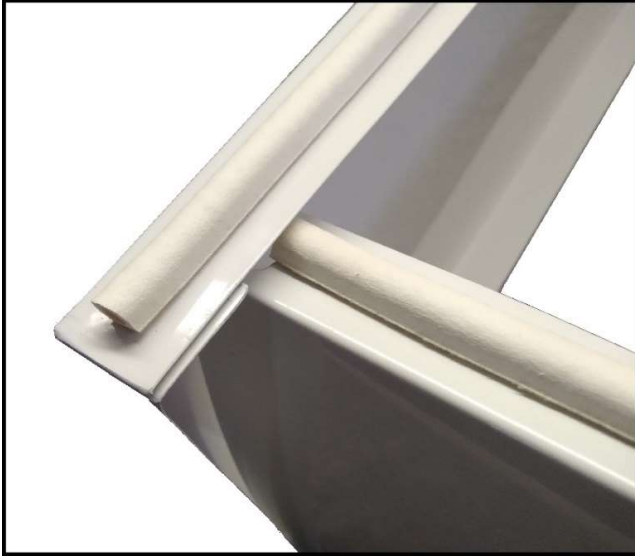
Riser Assembly Packages

**Fig 14.**



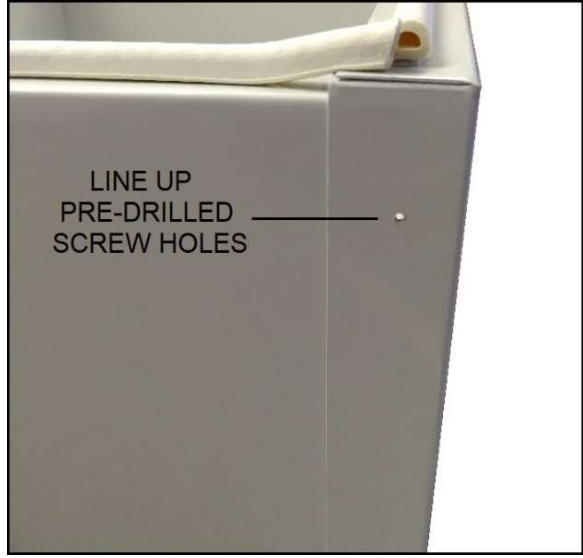
Attach corresponding Letters and Numbers

**Fig 15.**



bend corners back to place over the rivet

**Fig 16**



Line up pre drilled holes

**Fig 17.**



screw together with Phillips screwdriver



Attach with clips

# SILOGRO Specifications

**Model:** SILOGROXL

**UPC#** 86000658262

**Max Water Capacity:** 5 Gallons

**Installed Outside dimensions with Power Pack by side:** 29 in long x 23 in high x 18 in wide

**Expanded Height with risers:** 39 inches total height

**Packaged/shipping weight:** 30 LBS

**Package Size:** 28-inch x 20-inch x 22.5-inch

**Power Pack:** Powered by: 110/240 V 50/60HZ to 24V power adapter.

**Total operating watts:** 60 Watts @ 24 V DC

**Total operating Amps:** 2.5 @ 24V DC

**LED full spectrum lighting:** 24V DC    60 Watts    Lumens    10 Strips

**Air pump:** 24V DC 16 KPA with air stone

**2 pc-24 Hour Timers:** 24V DC for LED and Ultrasonic Nano atomizer system

**Included accessories:**

6 pc 3-inch net pots, 6pc rock wool grow cubes, clay hydro pebbles, plant nutrient, 1 digital PH water meter, 1 digital EC/PPM (batteries included), 1 fill and drain water level sight assembly, color coded connection cables, air stone, ultrasonic nano atomizer system, owner's manual.

**Designed & Built in USA**



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## SILOGRO XL Warranty Coverage

Big Moon Products Inc. obligation for the above listed products is limited to the term set below. This warranty extends to the original purchaser only. The warranty period commences on the original purchase date through 12 months. This warranty is not transferable to subsequent purchasers. This warranty is subject to the obligations, limitations, and exclusions listed below:

Big Moon Products Inc. [BMP] warrants the above listed products against defects in materials and workmanship for a period of one (1) year from the date of original purchase. (Warranty Period).

If a defect arises and a valid claim is received by BMP within the warranty period, at its option BMP will:

1. Repair the product using new or refurbished replacement parts,
2. Exchange the product with a product or component that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product

If a defect arises and a valid claim is received by BMP after the first thirty (30) days of the Warranty Period, a **round trip shipping and handling charge will apply to any repair or exchange of the product provided by BMP or its authorized service centers.**

BMP warrants replacement products or parts provided under this warranty against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original products warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes BMP's property.

### Obligations of Purchaser

The purchaser must establish, by dated sales slip, invoice, or installation receipt, the date of original purchase. In order to supply the customer with the most up to date service we respectfully request the purchaser to register their purchase by completing the attached Warranty Registration Card and mail it to BMP within 15 days of date receiving the purchase, or submit via email to SILOGRO.com

\*Items not covered: Chemicals; nutrients, grow media, meters other accessories.

### Limitations and Exclusions

The warranty is limited warranty. It covers the performance system itself for the period stated. This warranty negates or limits all other warranties implied or expressed, except for those, which cannot be negated or limited by law of the state in which the product is used. BMP does not authorize or permit any party, including its agents, distributors or dealers to assume for it any other obligations or liability. In no event will BMP be liable for any claim for any damages arising from the use or loss of use, installation, or repair of the SILOGRO including, but not limited to freight damage, punctures, cuts, water and/or sewage costs, freeze damage, or water damage to surrounding areas, rooms, or furnishings. Product specifications are subject to change without notice.

\* Neither fading, nor bleaching of the product due to misuse of chemicals or UV rays is considered a defect.

\* Commercial use of the product will void the warranty.

\* Demonstration or refurbished models will carry only a 90-day warranty.

### Acts Invalidating Warranty

#### **OUTDOOR USE- INDOORS USE ONLY!**

This warranty is void if the SILOGRO has been altered, misused, abused or has been repaired by an unauthorized person, or is **not installed according to the factory instructions.**

Other acts that will void the warranty are operating the SiloGro without water or improper water level, use of an extension cord, improper chemical maintenance, damage from ice or freezing, low voltage or excess voltage, if applicable prolonged exposure to direct sunshine or UV damage, defacing or removal of serial numbers.

**This warranty gives you specific legal rights that vary from state to state. Specifications subject to change without notice.**

### Obtaining Warranty Service

Please review the purchase and online self help resources offered at [www.SILOGRO.com](http://www.SILOGRO.com) before seeking warranty, customers can find answers to many of our most frequent questions. If the product is still not functioning properly after making use of the above resources, please contact our customer service center:

#### EMAIL:

**support@bigmoonproducts.com**

Call 1-888-832-3003

Manufactured by: Big Moon Products Inc.  
2621 NE 9<sup>th</sup> Ave. #12  
Cape Coral, Florida 33909

