WARNING
To guard against injury, basic safety precautions should be observed, including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

DANGER
To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt repairs by yourself. Return the appliance to your retailer or discard the appliance.

- If the appliance falls into the water, or water drips onto the unit, DON’T reach for it! First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately.

- Always unplug appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug fully and pull out to disconnect.

- Carefully examine the appliance after replacement. It should not be plugged in if there is water on parts not intended to be wet.

- Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.

- Do not use the aquarium for anything other than its intended use. The use of attachments not recommended or sold by Current USA may cause unsafe conditions.

- Exposing power cords to water may cause electrical short and fire.

- Do not allow water or salt to come in contact with lighting fixture or power cords.

- Only use aquarium with designated stands located in this manual. Failure to do so will void the warranty.

- Warning: This aquarium is constructed of glass. Breakage of glass can lead to dangerous wounds. If glass is broken, do not touch or attempt repair.

SAVE THESE INSTRUCTIONS

GROUND FAULT CIRCUIT INTERRUPTER PROTECTION
To comply with the National Electrical Code (NFPA 70), and to provide additional protection from the risk of shock, this unit MUST be connected to a ground fault circuit interrupter (GFCI) outlet at all times. Do not use extension cords. WARNING – To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.
INTRODUCTION

Congratulations on your purchase of the Solana XL Aquarium System. This Solana XL combines the newest innovations in aquarium technology with simple yet fashionable design. The Solana XL utilizes advances in aquarium keeping that have made maintaining both freshwater and saltwater aquariums easier and more exciting than ever before, giving you the ability to keep a wider variety of underwater species.

Please carefully read through this manual before proceeding with the setup of your Solana XL. The manual covers the setup, maintenance and use of all components as well as their role in the Solana XL Aquarium system. The manual does take into account different types of setups, however information specific to the inhabitants of your aquarium should be obtained from your local aquarium supply retailer or resource.

Note: It is important to thoroughly install all components before filling your aquarium with water, please read the following instructions thoroughly.

THE SOLANA XL AQUARIUM COMPONENTS

THE AQUARIUM

The Solana XL uses clear thick beveled glass panels fused at the edges to create an aquarium that perfectly accentuates the inhabitants inside while providing unparalleled strength. The front panel and two side panels are constructed of low iron / high clarity glass, providing the ultimate in viewing. A glass cover with wood frame trim kit, aids in reducing evaporation and prevents jumping fish from jumping out of your aquarium. It is highly recommended that the glass top be used on the Solana XL at all times. The aquarium also features a built-in overflow box and is pre-drilled with two holes for filtration.

FILTRATION

Blending into the rear portion of the aquarium, the Solana XL uses an overflow box and sump style filter which houses all the critical filtration components vital to the aquarium’s health and appearance.

Water is pulled from the main portion of the aquarium through and over the surface skimming overflow box, drawing water from the bottom & top of the water column where the majority of waste accumulates in an aquarium. Water passes through the large drain kit to fall into the sump filtration module under the stand.

Water enters the Solana XL’s Sump through the flexible drain hose where it enters the mechanical Bag Filter Assembly. Water is filtered through a 200 micron bag filter before going into the main sump. This bag filter provides an easy way to mechanically clean water and should be removed for cleaning on a weekly basis.

Water exits the bag filter, cascading over the Chemical Media Tray where carbon or other forms of chemical media can be placed. Water then flows into the main sump area where the return pump efficiently transfers water from the sump back into the aquarium using the Return Kit and Flexible Nozzles.
SOLANA XL TOP-OFF SYSTEM

The Solana XL incorporates a ready-to-use top-off system, automatically maintaining a consistent water and salinity level inside the aquarium. Included with the Solana XL are two **Top-Off Containers** and adjustable support shelf. The two bottles can be pre-filled and dropped into the support shelf quickly and easily without spilling water or disturbing the inhabitants with a gush of water from a bucket. This Top-Off system also removes the need for guesswork when going on vacation and salinity level fluctuations from overfilling your system with water. The Top-Off system will only add water when the level drops, eliminating the need for minimum/maximum fill lines, as well as providing adequate water movement in the aquarium.

SOLANA XL CIRCULATION SYSTEM

One of the most important aspects of any aquarium is circulation, both for regulating flow through the filtration section and to provide proper water movement in the aquarium. The Solana XL uses a flow-adjustable heavy-duty 1000 gallons per hour (120V/0.79A) submersible pump for circulating water from the filtration section into the Solana. The flow rate is key to both maximizing the turnover rate of the Solana (the entire aquarium is filtered over 6 times per hour) as well as providing adequate water movement in the aquarium. Water is distributed into the aquarium through a flexible “Y” nozzle that can be shortened, elongated and positioned in a variety of ways to separate wastes from rocks and corals, suspend organics to be filtered, eliminate “dead zones” and to add further oxygenation by promoting surface agitation of the water surface.

SOLANA XL STAND

The stand used on the Solana XL features everything required for setting up your aquarium in a more efficient, easy-to-install manner. The stand is already pre-assembled and has the proper vents and cut-outs for the aquarium and optional chiller. The cabinet is professionally finished and care should be taken to the finish by ensuring water is not excessively let on the stand or allowed to dry on it.

Each Solana XL stand features strategically placed vent holes which provide efficient ventilation for a water chiller. If using a water chiller, please make sure the air flow of the chiller is exhausted out the back of the stand through the chiller vent. This will allow cooler air to be suctioned through the chiller compartment holes on the bottom of the stand and exhaust the hotter air out the back of the stand.
The following steps should be performed prior to the addition of water, sand, etc. It is recommended you consult your dealer on the proper types and methods of adding water, substrate and life to your Solana

**STEP 1. PREPARING THE LOCATION OF THE SOLANA XL**

Just like any piece of furniture, placing the Solana XL in the home requires some forethought as to the requirements of the aquarium itself and your viewing needs. Ideal locations should have the following:

a. A solid, level floor capable of supporting a stand and aquarium weighing up to 1200 lbs
b. Located in an area that does not receive direct sunlight
c. Located in an area that is not in the direct path of people or pets moving through the home
d. Have direct access to at least two (2) GFCI protected outlets (see safety instructions)
e. Have easy access to the front and sides of the Solana for cleaning and ventilation

**STEP 2. UNPACKING THE SOLANA XL**

Before unpacking the Solana XL, note any external damage to the boxes in case shipping damage has occurred and be sure to keep all packaging in the unlikely event the unit needs to be returned.

*If damage is noted please contact your dealer or retailer immediately before proceeding.*

a. Remove any additional boxes strapped to the Solana XL shipping crate. Carefully remove the wood frame surrounding the shipping carton using a phillips head screwdriver and unscrewing base screws marked "Unscrew Here" (with an arrow.) Once wood is removed, carefully slide off cardboard vertically.

b. Remove any protective packaging from around the stand. (Solana 67XL Only - Using a Phillips (+) screwdriver, remove the screws that hold the back panel of the Solana XL stand in place and set aside, along with the panel.) Carefully remove the packaged Solana XL Aquarium from the stand and remove any excess protective packaging. Thoroughly inspect the stand, tank and components for any visible damage or missing parts.

c. Once the the Solana XL has been inspected, set the aquarium and all components aside.

d. Remove the packaged Solana XL Aquarium from the outer carton and carefully cut any packaging straps securing the top and bottom protective covers to the Solana XL. Carefully remove the glass top and frame kit with packaging and place in a safe area for installation after setup is complete. Remove the top and bottom cardboard covers, and carefully remove all of the accessories and sump from inside the aquarium. Carefully place the Solana XL on the stand, positioning the drain holes over top cutout on stand.

e. Rinse aquarium with clean freshwater - do not use detergents or soaps. Before assembling aquarium and installing, we highly recommend water testing the aquarium for 12-24 hours. Place aquarium on Solana XL stand or on a perfectly flat location and fill with freshwater. Allow aquarium to hold water for 12-24 hours and inspect for leaks or shipping damage (cracks.) If any leaks or cracks are found, please contact your retailer or distributor immediately for replacement.
f. Remove protective packaging from the filtration section of the Solana XL. Carefully remove all components from the filtration section and inspect for damage. Use the following table and diagram to identify all components. If any parts are damaged or missing, please contact your dealer or distributor immediately.

**Part and Quantity**

A Solana XL Glass Tank w/overflow & overflow lid (1)
B Return Kit Assembly (1)
C Main Drain Pipe (1)
D Flexible Drain w/Bulkhead Fitting (1)
E Glass Filter Sump (1)
F Top Off Bottle (4) & Shelf (1)
G Return Pump (1)
H Bag Filter Assembly with Lid (1)
I Bag Filter Holder (1)
J Drain Hose Clamp (1)
K Magnetic Door Closure (1-60XL, 3-67XL)
L Return Hose Clamps (2)
M Glass Top Handle (1-60XL, 2-67XL)
N Nylon Screws for Top Off (4)
O Plastic Top Hinges (2-60XL, 4-67XL)
P Flexible Return Hose (1/Not Shown)
Q Glass Top (1-60XL, 2-67XL)
R Wood Frame Kit (1/Not Shown)
S Filter Bag (2/Not Shown)
T Flexible Modular Return “Y” Nozzle (2)
U Nova Light 24” (1/Not Shown)
V Chemical Media Tray (1)
W Wood Brace for Arm Attachment (67XL only)
X Inside compartment panel with screws (67XL only)
g. Once you have identified all the components and made sure they have not been damaged, rinse all components under clean fresh water to remove any dust or residue (do not use any detergents). Most components are pre-assembled with the packaged Solana XL, so it is critical that you identify the location of each component and its assembly before removing parts for cleaning. Allow all parts to dry before proceeding with assembly.

**STEP 3. SOLANA XL ASSEMBLY**

Before proceeding with the setup of your Solana XL, make sure that the base or stand that you are placing the Solana XL on conforms to the requirements in **STEP 1**.

a. Place the cleaned Solana XL Aquarium onto the aquarium stand. Keep the glass top off and in a safe location throughout the installation. Use a level to ensure that the Solana XL is situated evenly.

b. Position the drain holes over the cutout on the top of the stand. Ensure equal spacing around the holes.

c. Remove overflow top and keep in a safe place. Unscrew bulk head fitting lock nut from Return Kit (B). Slide Return Kit (B) into overflow box and allow barbed nipple and bulkhead to slide through the smaller hole at the bottom of the tank. Ensure the gasket with the bulkhead is INSIDE the aquarium.

d. Insert Drain Pipe (C) into the Flexible Drain (D) bulkhead fitting. Unscrew the locking nut of the bulkhead fitting. Insert bulkhead fitting into the larger hole inside the overflow, ensuring the gasket of the bulkhead is located INSIDE the aquarium.

**IMPORTANT NOTE:**

When installing bulkhead fittings, ensure the gasket is located inside the aquarium. Failure to do so may cause leakage.
e. Re-tighten bulkhead lock nuts to bulkheads from under the stand. Ensure bulkhead lock nuts are tightened well using a wrench, hand tighten slightly with wrench. Do not use pliers.

f. Slide stainless steel drain clamp (J) over flexible drain hose (D) and move to the very top of the drain hose at bulkhead fitting. Tighten clamp with flat head screwdriver over hose to firmly attach hose to the bulkhead nipple. 

g. Insert bag filter (H) into sump and slide sump into the stand. Insert flexible drain hose (D) into the hole located in the bag filter assembly.

h. Attach 1" fpt x 3/4" barb nozzle to the return pump (see pump instructions.) Slide flexible return hose (P) over barbed nozzle. Slide both nylon clamps (L) over 3/4" flexible return hose. Clamp hose to the pump return using a pair of pliers. Place pump in sump and attach the other end of the hose to the return kit nipple. Clamp hose to 3/4" return nipple using the other nylon clamp. Ensure hose is not kinked or bent.

**STEP 4. ADDITIONAL REQUIRED INSTALLATIONS**

A. Bag Filter Assembly

1. Insert mechanical filter bag into the Bag Filter Holder (I). Remove lid from bag filter assembly and slide bag into the large hole. The bag filter holder will prevent the bag from dropping out of the filter assembly if clogged.

2. Slide Chemical Media Tray (V) under the bag filter. Any type of chemical filter media such as phosphate remover, activated carbons, & resins should be placed in this tray. Failure to place media into tray can cause it to get clogged into the return pump intake.

B. Auto Top-Off Shelf Assembly

1. Insert nylon screws (N) into support shelf. These nylon screws can be used to raise the water level in your sump if desired. We recommend a minimum water level in the sump of 7" be maintained with a maximum water level of 9".

C. Inside Stand Light Assembly

1. A 24" Nova T5 Retrofit is included with the Solana XL to provide light under the stand for regular maintenance. It is important to install the light at this time per the instructions included in the retrofit. The retrofit is designed to be installed under the top panel of the stand in any location (centered works best.) The light will allow better viewing of the bag filter (for cleaning), water level and inspection of any...
D. Flexible Return Nozzle Assembly

1. Inspect the flexible nozzle assembly - notice the small hole drilled at the threaded nozzle base. This hole is designed to allow air to enter the return kit assembly and prevent back-siphoning. In the event of a power failure, water will back siphon through the nozzle assemblies and may lead to the sump overflowing. These holes will help prevent this by allowing air to break the siphon.
2. Insert the threaded base into the overflow box holes and thread into the elbow assemblies of the return kit. When tightening, ensure the hole in the base of the threaded nozzle portion is pointing down into your aquarium.

IMPORTANT: Ensure the siphon break holes in the nozzle assembly are pointing DOWN towards the bottom of your aquarium when tightening is completed. These holes should be kept cleaned of debris and algae build-up.

E. Glass Top & Frame Kit

1. Unpack glass top and frame kit and inspect for any breakage.
2. Unpack plastic hinges for glass top. Soak hinges in warm/hot water for a few minutes to make them more pliable. Attach hinges to glass top in the locations shown below.
3. Screw Glass Top Handle (M) to glass top.
4. Place wood frame kit over aquarium frame and fit snug into place. Place glass tops into frame kit.
G. Magnetic Door Closures

1. Screw magnetic door closure body to inside vertical support of stand. The holes for both closure body and plate are pre-drilled for easy location and installation. The back of the magnet should be flush with the vertical support. Attach to vertical support with 2 screws (included.)
2. Match location on inside of door and screw magnetic plate to inside of door using 2 screws (included.)

H. Chiller Panel (Solana 67XL Only)

1. Unpack compartment frame door. Slide panel into place with the transfer hole located towards the top. The thin part of the panel (front) will fit into the groove located in the back of the right vertical stand support.

I. Replacing Stand Back

1. Place the back of the stand into place re-attach using the screws (Solana XL67 Only.) If you are re-assembling the back to a Solana 67XL, ensure the holes at the back of the stand match up to the holes to the chiller compartment panel. Attach chiller compartment panel to back using 2 screws (included.) See diagram in Arm Assembly section below for compartment panel holes.
I. Replacing Stand Back & Arm Installation

**SOLANA XL 60:**

1. Position two base arm bars to back of stand using included screws. Only one screw is required at the top and bottom of stand, screws should be installed into the top and bottom horizontal (thicker) beams of the stand. If hanging Sunpod HQI, base arms should be approximately 10” apart and 8” from each side of the stand.

2. Attach top arms to base arm bars using included long screws and install Sunpod per it's instructions.

**SOLANA XL 67:**

1. Place the back of the stand into place and re-attach using the screws. Ensure the holes at the back of the stand match up to the holes to the chiller compartment panel.

2. Attach back of chiller panel to back of stand using two screws. The holes are predrilled and indicated location is notated on diagram (See diagram on page 11).

3. Connect the two black wood back arm braces together by sliding them groove to groove. Place wood brace onto back of stand and attach using screws. Note: the arm braces will be located 3/4” lower than the top of the stand. The holes are predrilled for easy reference.

4. Attach hanging arms to back of wood back arm braces, screwing arms securely into the wood. (See diagram on page 12).
**OPERATION**

1. Slide complete aquarium and stand in place and ensure all connections have been completed. Fill aquarium with water and allow the water to overflow into sump until the sump is approximately 8” full of water.

2. Turn on main circulation pump and allow tank to run for 2-3 hours. Please inspect the following before adding substrate, decorations and animals:
   
   a. All fittings are secure and there are no water leaks
   b. The siphon hole in the nozzles is pointing down
   c. Water is circulating through the overflow, sump and tank
   d. All electrical components have been plugged into a GFCI
   e. Water in tank looks level and is not uneven

3. Before adding substrate and other decorations, unplug power to the pump and allow water to back siphon into sump until the air holes break the siphon.

4. Drain water in aquarium 1/2 way. The Solana XL aquarium is now ready for set up & use.
MAINTENANCE

USING THE TOP OFF SYSTEM

The Solana XL comes with 4 Top Off containers. With either a freshwater or saltwater system, the water loss from evaporation will always be fresh water, so the Top Off containers should be filled with purified fresh water (Reverse Osmosis water is recommended). The filled containers will be inserted top down into the holes of the support shelf. Check the containers daily to ensure water is still present. When all the water has left the containers, replace it with the backup containers and refill the used bottle so that it is ready for use. The evaporation rate with the Solana XL will vary with the ambient temperature of the home, the humidity level, and with the type of lighting or extra accessories being used in the aquarium, such as pumps. Having the glass top in place will also cut down on the evaporation rate. After a couple of weeks you will know how much time it takes for the Solana XL to use a full container of water. It is still important to check the salinity levels on a regular basis due to saltwater loss from the protein skimmer.

CLEANING THE FILTER BAG

It is important to clean the mechanical filter bag every 2-3 days. The filter bag is designed to trap detritus and debris over 200 microns in size, therefore it can often clog quickly. Simply remove bag filter assembly top and pull the bag filter out of sump. Clean with freshwater and replace. An extra bag filter is included to make maintenance easier.

FOR MORE HELP:

PLEASE VISIT WWW.CURRENT-USA.COM FOR MORE INFORMATION INCLUDING FAQ'S AND PRODUCT UPDATES.
**WARRANTY**

**CURRENT USA, INC. ONE-YEAR LIMITED WARRANTY**

Current USA, Inc. warrants this product against defects in materials and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. Light Bulbs carry a 3 month warranty.

Note: Current-USA, Inc. One-Year Limited Warranty does not cover damage caused by the following: Improper installation, saltwater corrosion, and electrical surges.

Warranty on all Products, including Aquariums, is limited to replacement of the product and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage arising to the use of this product.

If you discover a defect, Current USA, Inc. will, at it's option, repair or replace the product at no charge to you, provided you return it during the warranty period. It is required that you present this warranty card and a copy of the bill of sale as proof of original purchase date, in the event the product needs repairs, within the warranty period. Please see your dealer for return options. This warranty applies only to products by or for Current USA, Inc. that can be identified by trade name, or logo affixed to them. Current-USA, Inc. does not warrant any products that are not Current-USA, Inc. products. This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication or if the product has been modified without the written permission of Current-USA, Inc.; or if any Current-USA, Inc. logos have been removed or defaced.

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