



Avast Marine Parrot Setup and User Manual

Version 1 09/23

Congratulations on your purchase of an AVAST Parrot!

By following these simple instructions, you will have your evaporation replacement system up and running in a short time.



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Package Contents

1. Switch box
2. Magnetic sensor holder
3. Sensor tubes
4. Water connection tubing
5. Anti siphon bulkhead
6. Extra fittings



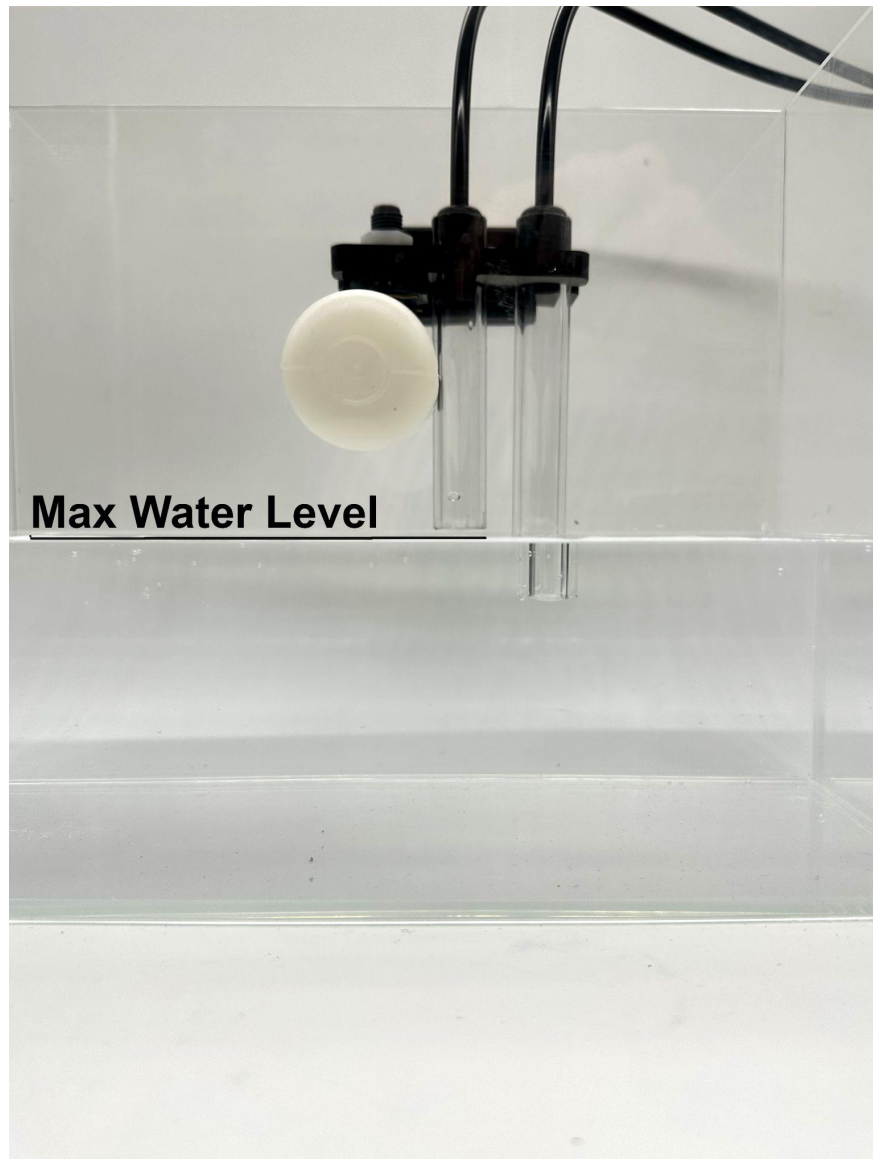
Initial Setup (all model Parrots)

Step 1: Connect sensor tubes to the switch box.

Make sure the fittings are pressed all the way to the box with no gap as shown. It does not matter which tube goes to which sensor.

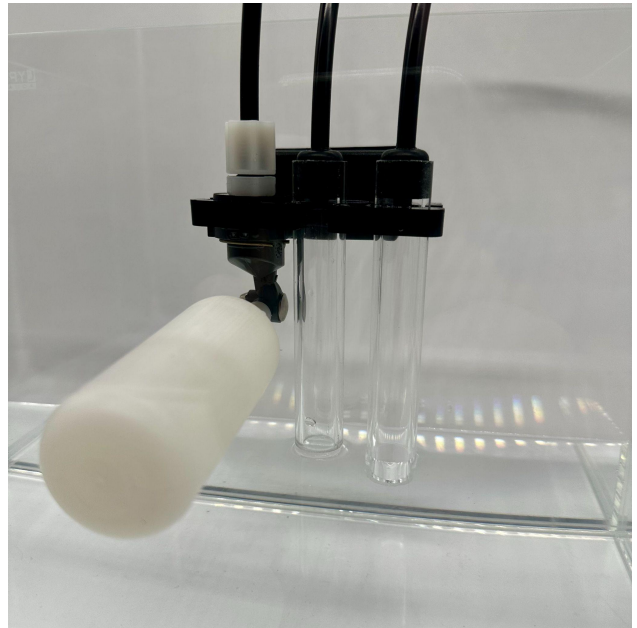


Step 2: Place the magnet holder with sensor tubes in the sump. Lower the magnet holder until the bottom of the shorter sensor tube is approximately at the max level you want your sump to be.



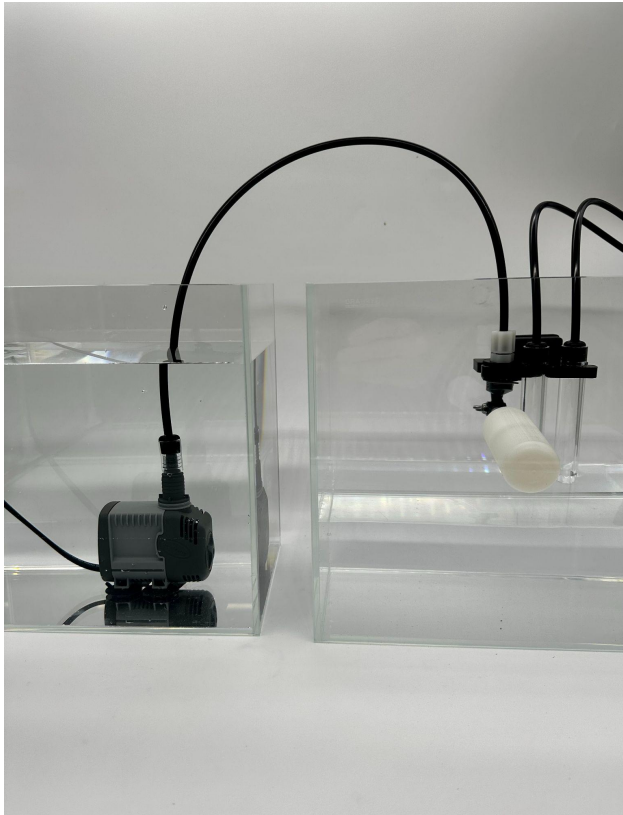
Step 3: Connect the water line to the float valve.

Make sure there is about ½” of the tubing beyond the compression sleeves, then insert into the valve and tighten as shown.

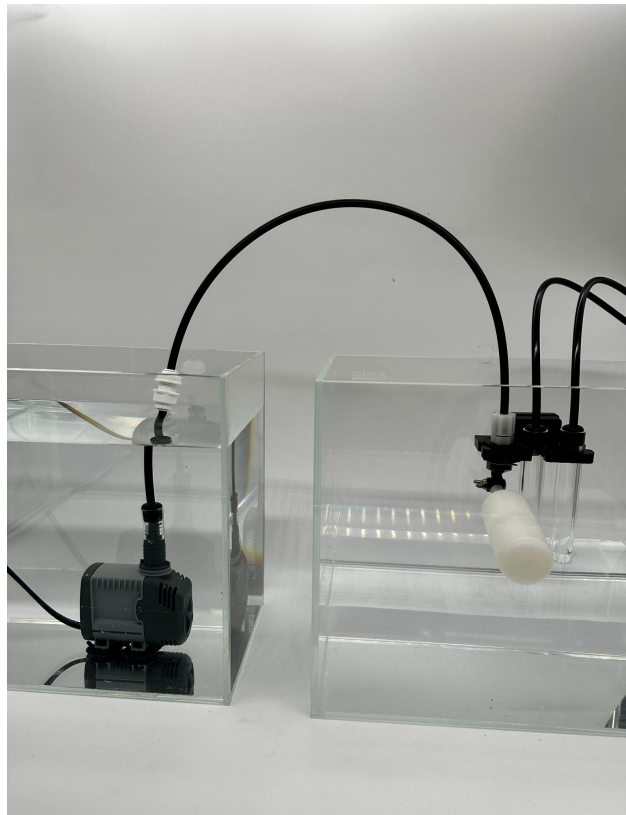


Step 4: Connect the top off pump.

Connect the pump to the other end of the water line. Make a cut in the tubing above the highest fill level of the reservoir. Skip this step if using a peristaltic pump.



We are going to install the anti siphon bulkhead here and care must be taken to make sure the hole in this fitting is never submerged. During operation water will be coming out of this hole, adjust the nut so it covers the hole to prevent spray if you are not installing through a lidded container. When the pump shuts off, air will enter in this small hole and prevent a siphon from forming.



Step 5: Plug in the AVAST Parrot

(GHL, HYDROS and Neptune skip to Step 6)

Plug the switch box into a GFCI outlet and then your top off pump into the switch box. If you have done everything correctly, nothing will happen since the magnet level is set to the shut off height. To test the system, simply raise the magnet holder up about ½” and the pump should turn on and the light will be active. Lower the magnet back into place and the pump should turn off.



Your Avast Parrot setup is now complete, you can skip Step 6 which is for aquarium controller versions of the Parrot.

Controller Versions

GHL Parrot

After setting up the switch box, sensor tubes, magnet holder and water line the GHL Parrot should be connected to your system with the 6 pin connector to your Level 1/2 port.

Follow the instructions for connecting ATO (1-sensor) here:

▶ [ProfiLux 4: ATO \(1-sensor\) setup via GHL Connect](#)

If you are using a GHL dosing pump as your top off pump, follow the instructions to set this up here for 1-sensor installation:

▶ [ProfiLux 4: Using GHL Doser as ATO pump](#)



To test the system, simply raise the magnet holder up about 1/2" and the pump should turn on. Lower the magnet back into place and the pump should turn off.

Neptune Parrot

After setting up the switch box, sensor tubes, magnet holder and water line the Neptune Parrot should be connected to your system with the 8 pin connector to your I/O port.

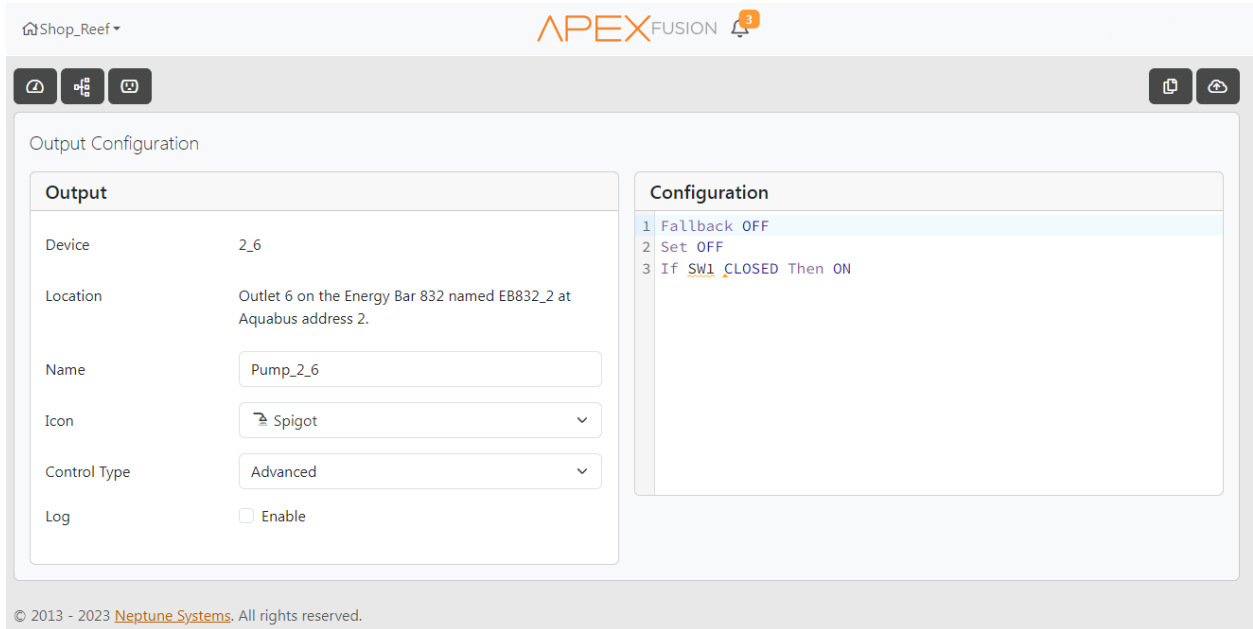


The default naming of this location is SW1 in Fusion, so we just need to program the outlet that your pump is plugged into. Set the Control Type to Advanced and enter the code as shown below.

Fallback OFF

Set OFF

If Sw1 Closed Then ON



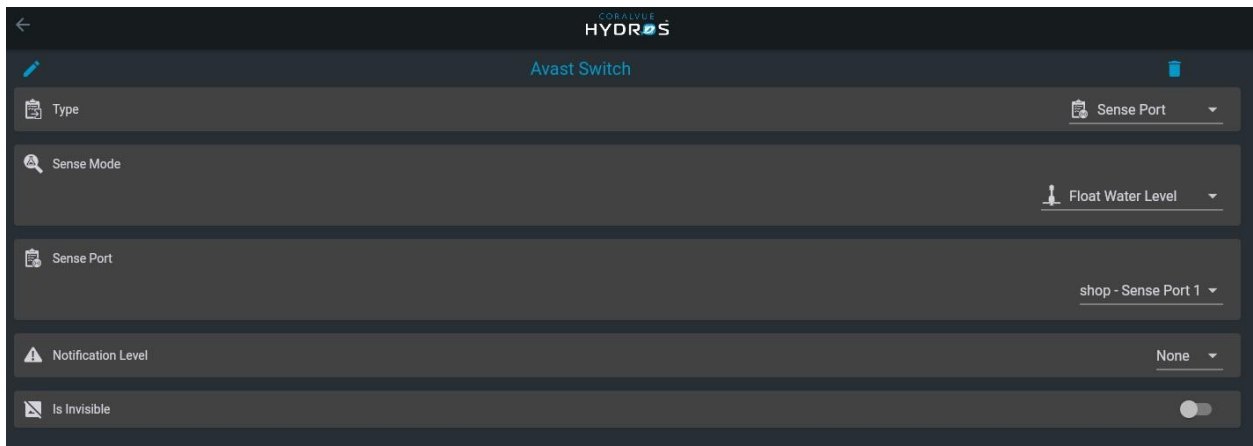
To test the system, simply raise the magnet holder up about 1/2" and the pump outlet should turn on. Lower the magnet back into place and the pump outlet should turn off.

Hydros Parrot

After setting up the switch box, sensor tubes, magnet holder and water line the Hydros Parrot should be connected to your system with the Sense Port cable.

Create a new input as shown here and name it Avast Switch:

[HYDROS Set-Up Instructions - How to Install and Set Up a ...](#)

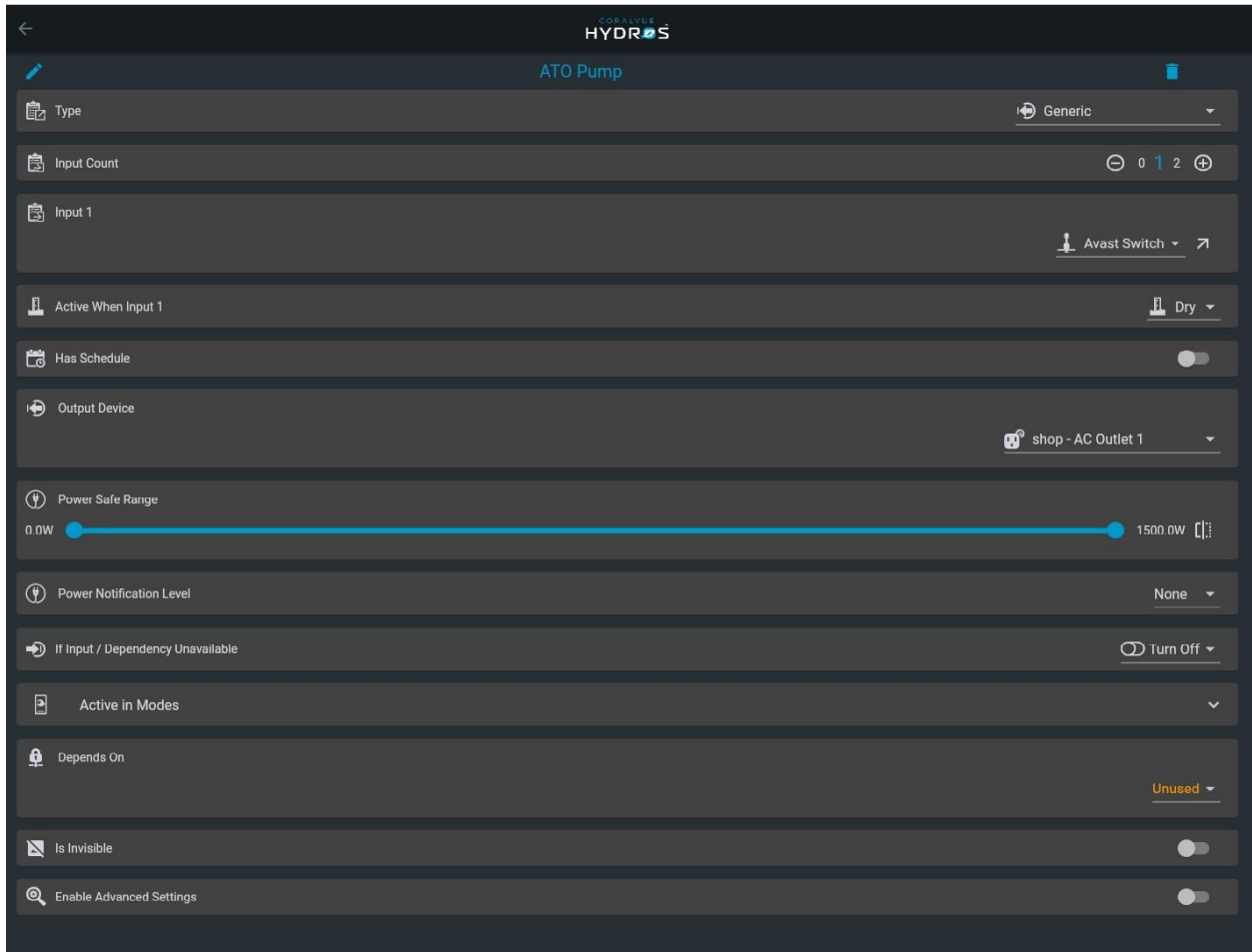


Next, from your Outputs menu, select new, name it ATO Pump and choose Generic as type.

Under Input 1, use the drop down to select Avast Switch.

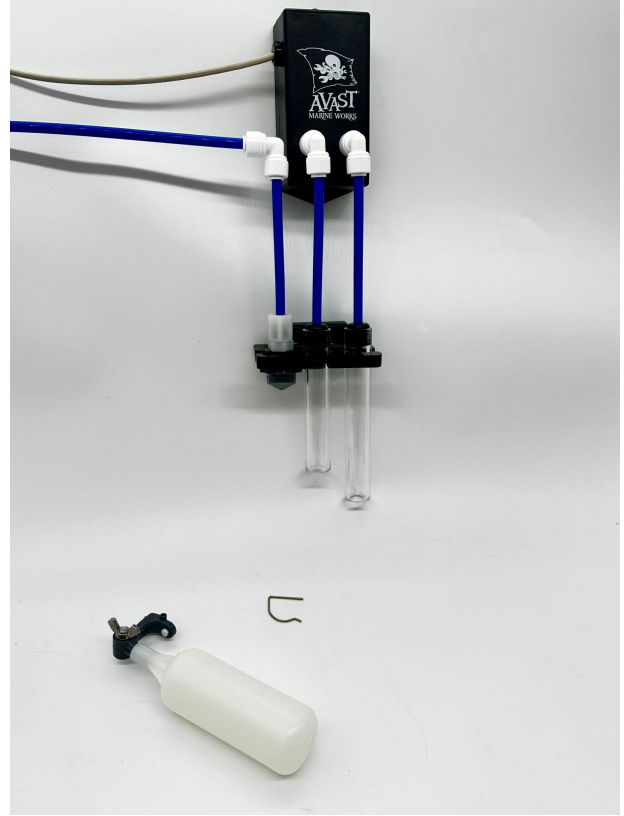
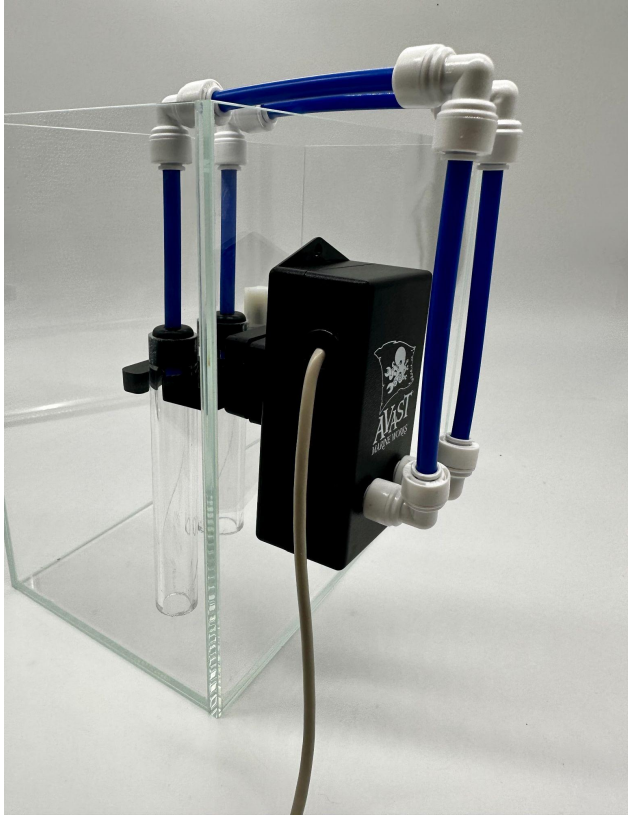
For the Output device, select the outlet or drive port where your pump is located.

All other settings can be left with the defaults as shown below.



To test the system, simply raise the magnet holder up about 1/2” and the pump should turn on. Lower the magnet back into place and the pump should turn off.

Other Considerations and Installation Options



Adding Fittings/Customizing: Several extra fittings are included with the Parrot, these can be used to help route the air or water lines for a cleaner installation. Additional standard $\frac{1}{4}$ " quick disconnect fittings for air and water can be used for more complex routing. It is **important** to remember to always make these connections with the sensor tubes out of the water. After you make the connections, then lower the sensor tubes back into water and test to make sure it is leak free.

No float option: If you are using a quality peristaltic pump or your reservoir is below the sump water level, the backup float is not

required. It can be removed by simply pulling the retaining pin as shown.

Anti Siphon Bulkhead: This fitting can be installed in the lid or wall of a top off tank so long as it is above the maximum tank water level. Drill bit size $\frac{5}{8}$ " or 16mm.

Maintenance

The Parrot requires no maintenance :)

Warranty and contact information

AVAST Marine Works products are warranted for a period of one year from the date of purchase against defects in materials and workmanship. AVAST will provide necessary parts and factory labor to repair or replace any failed component without cost to the Buyer.

Service

Warranty shall be void if any alteration or service is performed without written authorization from AVAST Marine Works or if the equipment has been connected to incorrect power. Buyer will be responsible for requesting warranty service through the AVAST Marine RMA process which requires buyers to return the defective unit for repair. The Buyer is liable for properly packaging the equipment and shipping cost for the initial return for repair. Return shipping cost is covered by AVAST if within the warranty period. Equipment damaged due to accident, neglect, abuse, misuse, natural or man-made disasters is not covered by this warranty, and the Buyer will be contacted with cost and approval for repair.

Liability

In no event will AVAST Marine Works be liable for any lost livestock, profits or any special, indirect or consequential damages due to loss of use.

The laws of the Commonwealth of Virginia will govern this warranty plan.

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