



INTRODUCTION

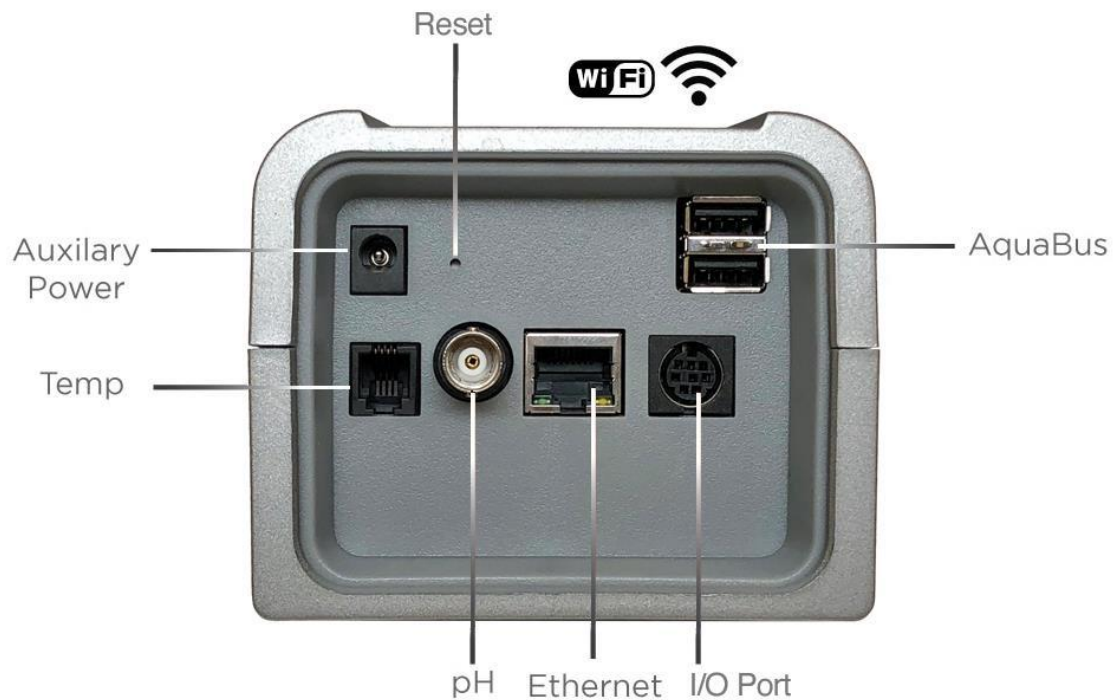
Thank you for the purchase of the ApexEL System. This quick and easy guide will help you through the process of quickly and efficiently setting up your ApexEL System.

CONFIRMING SYSTEM COMPONENTS



IDENTIFYING THE ApexEL AND EB832

Throughout this guide there will be images to the left and information about that image to the right. You can click on any image to expand and better see that image. We will start off by identifying the different components of your new ApexEL Base Unit and EB832.



Auxiliary Power

- To power up the Apex without the use of the EB832
- 2.1mm tip, 12V input ,0.7A DC output with a center positive electrode (Use Neptune P/N PS12)

Reset

AOS 5.03_CA17 or later:

- To reboot the Apex controller press the button quickly. The Apex status light will go from **Orange** > **Green** > **Purple** > **Green** > **Orange**
- To put the Apex into WiFi access mode press and hold the reset button until the status LED changes to **BLUE** (about 6 seconds), then release the reset button.
- To initialize the Apex to factory settings press and hold the button until the status LED turns **RED** (about 30 seconds), then release the reset button.

AquaBus

- Supplies 12v power and communication between the Apex and the various modules
- This is **NOT** a USB port and will cause damage to any USB device that gets plugged into the AquaBus port and will possibly damage the Apex

Temp

- Monitors the temperature of the tank

pH

- Measures the pH in the tank
- Use either double junction lab grade pH probes or the lab grade pH probes
- BNC style pH probe jack

Ethernet

- Ethernet cable between the Apex and your router (preferred way)
- RJ45 Ethernet jack accepts straight through CAT-5 or CAT-6 Ethernet cables
- You can use both WiFi and Ethernet for redundancy

I/O Port

- Mini DIN-8 jack for connecting a Breakout Box
- The Breakout Box (BoB) is used to connect float or any other NO/NC style contact switches

ENERGY BAR ³₂



24V DC Accessory Ports

- To control 24V DC equipment less than 30W like our PMUP and other future Neptune products
- For the DIY you can get the [DC24 to Bare wire cable](#)

1LINK ports

- To control up to three 1LINK devices like the WAV pumps or the DOS.

AquaBus Ports

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120VAC 7A Outlets

- Eight programmable relay outputs
- Each output can handle up to 7A/840W max
- All EB832 outputs combined can not exceed 15A/1800W

Outlet Status

- Each LED indicates the ON/OFF of the matching EB832 output
- An LED will flash if the load on the corresponding output exceeds 7A

Internal Power Supply

- Supplies power to the 1LINK and 24V DC outputs.



Mounting the ApexEL Base Unit (ABU)

- Align the mounting bracket template.
- Mark the holes and attach the ApexEL.

Template & Tips

Allow approximately 2-3" clearance below the ABU for cables

If mounting the ApexEL into Sheetrock or concrete, please use the proper mounting hardware (not supplied)

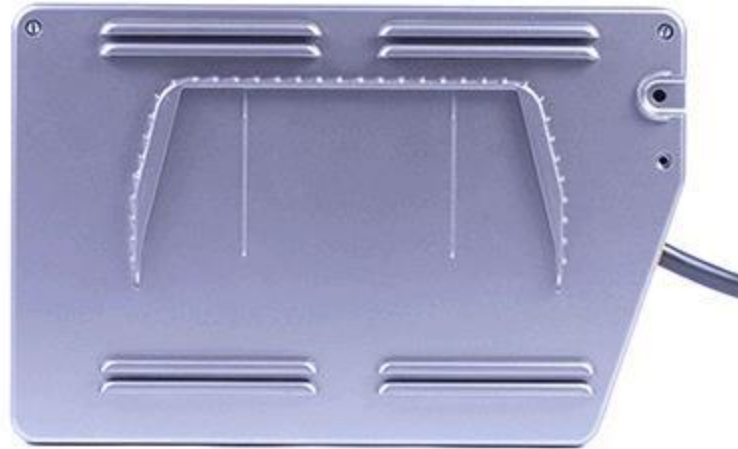


How to rotate the ApexEL Base Unit

- Lightly pull on the tab located on the right side of the mounting bracket.
- Manually raise or lower the ApexEL Base Unit.

** Do not attempt to remove the bracket.*





Mounting the Energy Bar (EB832)

- Align the mounting bracket template.
- Mark the holes and attach the mounting bracket.

Template & Tips

Allow approximately 1" or more clearance above the EB832 to have the ability to install and remove the Energy Bar from its mount. Allow 3" on the left lower corner of the EB832 for connecting AquaBus and other cables. Leave 1-2" of space for the fan on the right side of the EB832

If mounting the EB832 into sheetrock or concrete, please use the proper mounting hardware (not supplied)



Connecting ApexEL to the Energy Bar 832

- Connect the 6' AquaBus cable into one of the two AquaBus ports on the ApexEL.
- Connect the other end of the AquaBus cable into one of the three AquaBus ports on the Energy Bar.

**** DO NOT plug in Ethernet or any other modules including the display in at this time!!!***



Connecting Energy Bar 832 to Power

Plug the power cord of the Energy Bar into a any standard wall outlet

- The ApexEL status light will go from **Green** > **Purple** > **Green** > **Orange** > **Blue**
- The EB832 status light will flash rapidly while establishing communications with the ApexEL, and then will turn solid **Orange**

Orange is the new Green

We have all come accustomed to a solid green status light indicating that the ApexEL is communicating with the modules. A solid orange status light will now indicate this.

CHOOSE YOUR DESIRED NETWORK CONNECTION



OR

