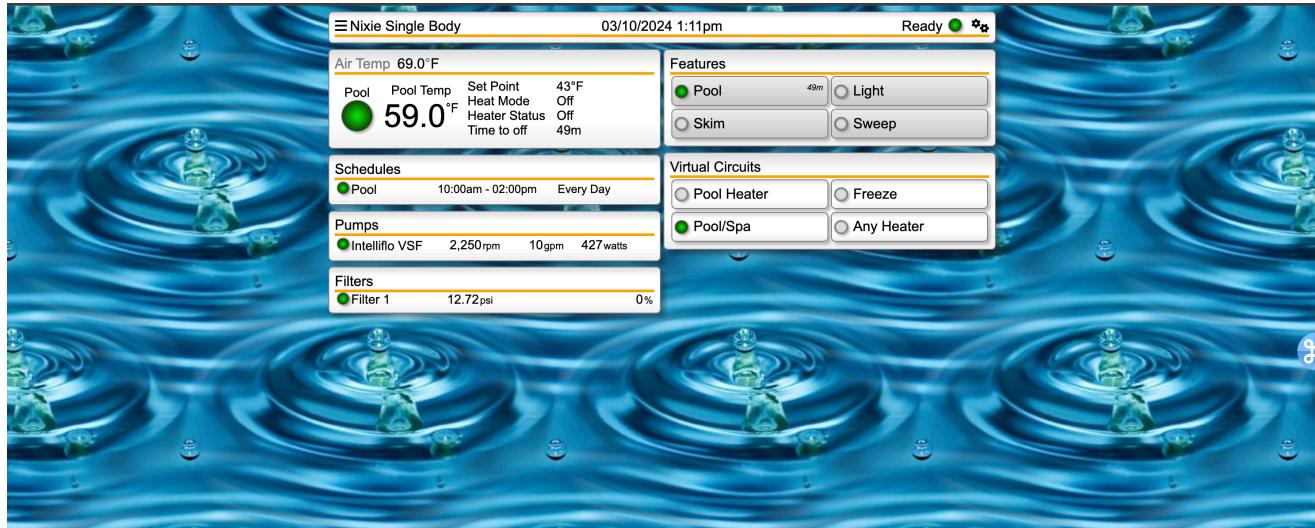
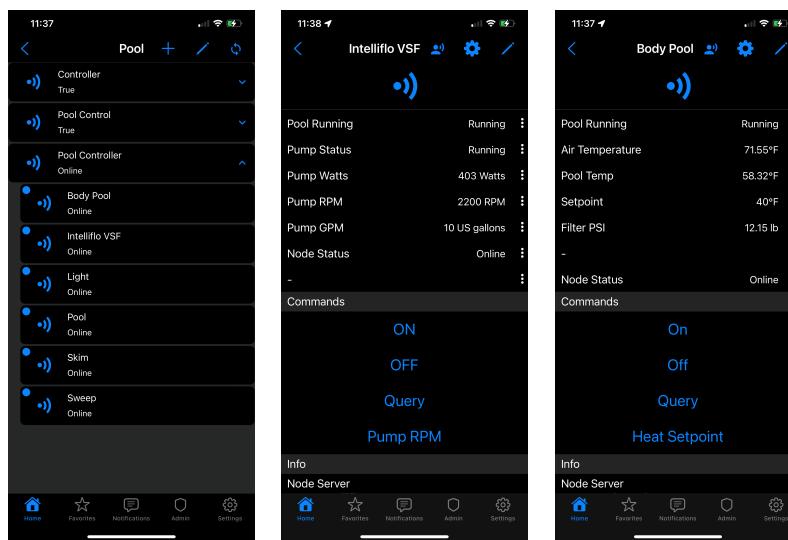


NODEJS POOL



Nodejs Pool Controller Nixie Single Body

New pool interface Plugin that pulls data from the Nixie Pool controller installed at your pool equipment. The controllers have been available for a while and have a solid base for controlling your pool equipment with a little effort on your part.



You will first have to install the software on a RPi for the control system and assemble your own control enclosure.

Install: [Nixie Install](#) Please install the latest release. Pool Controller, Pool Controller Dashboard and REM relay equipment manager.

Resources Here: [Nodejs PoolController](#), Here: [Trouble Free Pool](#), Here: [Pool Controller](#),

Parts Here: [TTL USB](#), [Sequent Hat BAS](#), [Sequent Hat Relay](#), [Raspberry 4 8GB](#)

The Nixie Single body allows you to control eight different pump types. I have tested Pentair Intelliflo VSF only and it works for speed calculated WATTS, GPM and RPM. All other pumps vary on their feedback status if they have any at all.

1. Pentair Intelliflo VS
2. Pentair Intelliflo VSF 'TESTED'
3. Pentair Intelliflo VF
4. Pentair SuperFlo VS
5. Hayward Eco/TriStart VS
6. Hayward Relay VS
7. Single Speed Relay
8. Two Speed Relay(s)

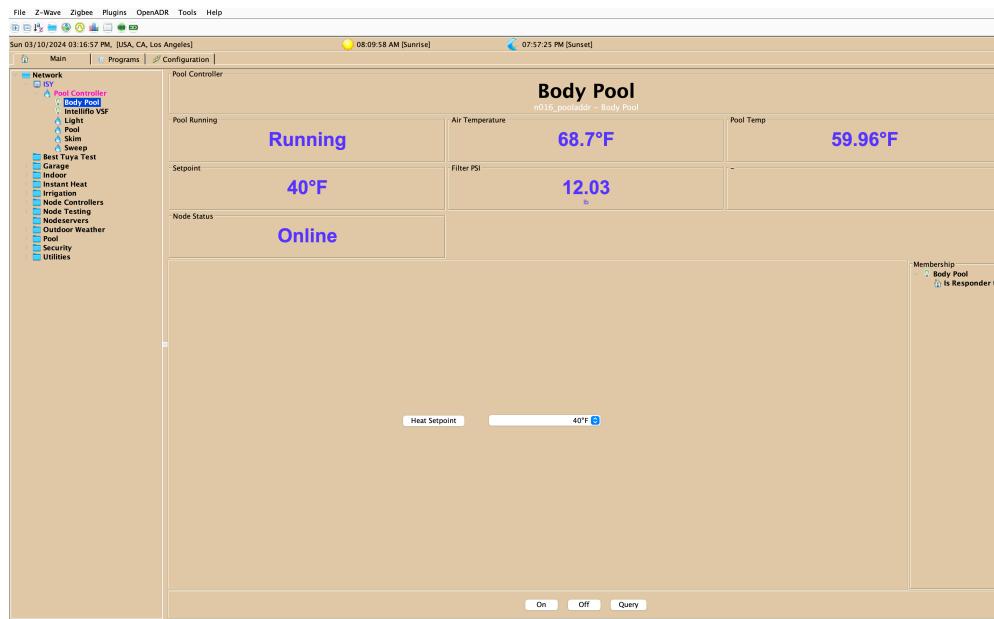
You have the option to do as I am doing by using the schedule within Nixie pool controller to start the system. After I see running status from the controller I can then set my heating setpoint to what I desire as the schedule also sets heating setpoint. Or you can completely control your Nixie Single Body with Administrator Console Programs.

This version 3 is a complete rebuild of version 2, it adds your Circuits automatically. Circuits have a different Icons in Admin Console. Body and Pump are a light bulb and Circuits you can override are a water drop.

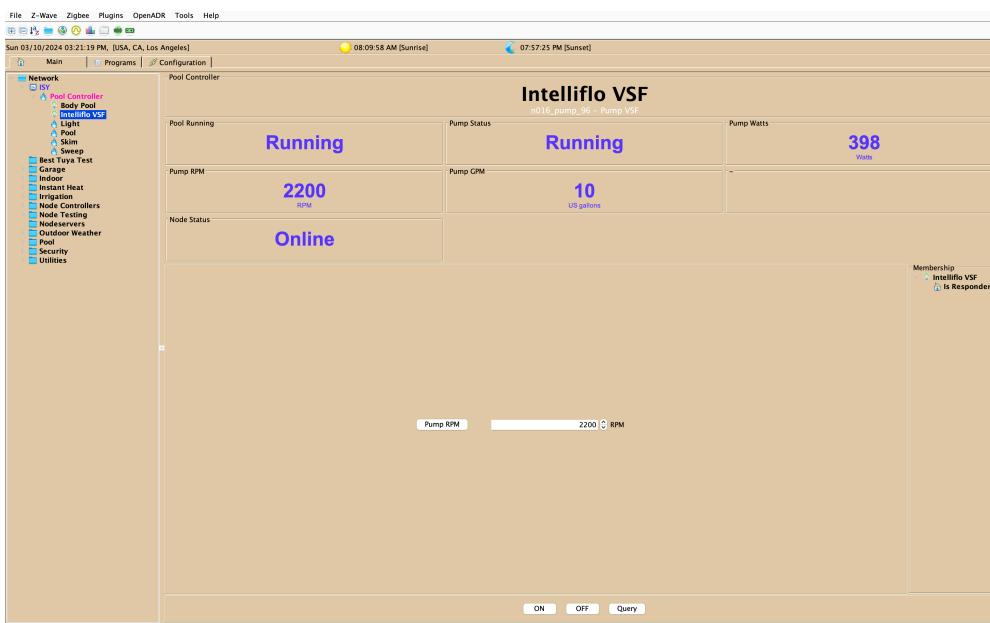
Body Pool	
Pool Running	Running
Air Temperature	68.31°F
Pool Temp	60.32°F
Setpoint	40°F
Filter PSI	11.88
Node Status	Online

Membership: Body Pool Is Responder to

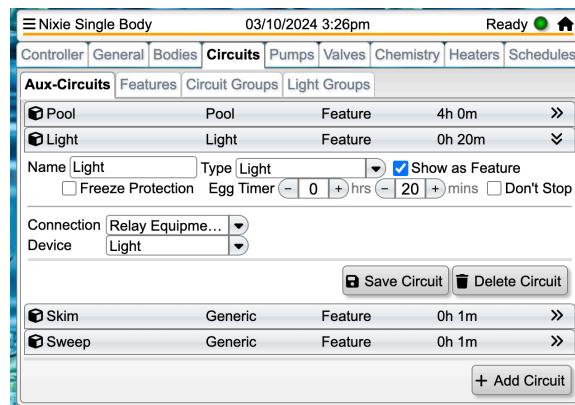
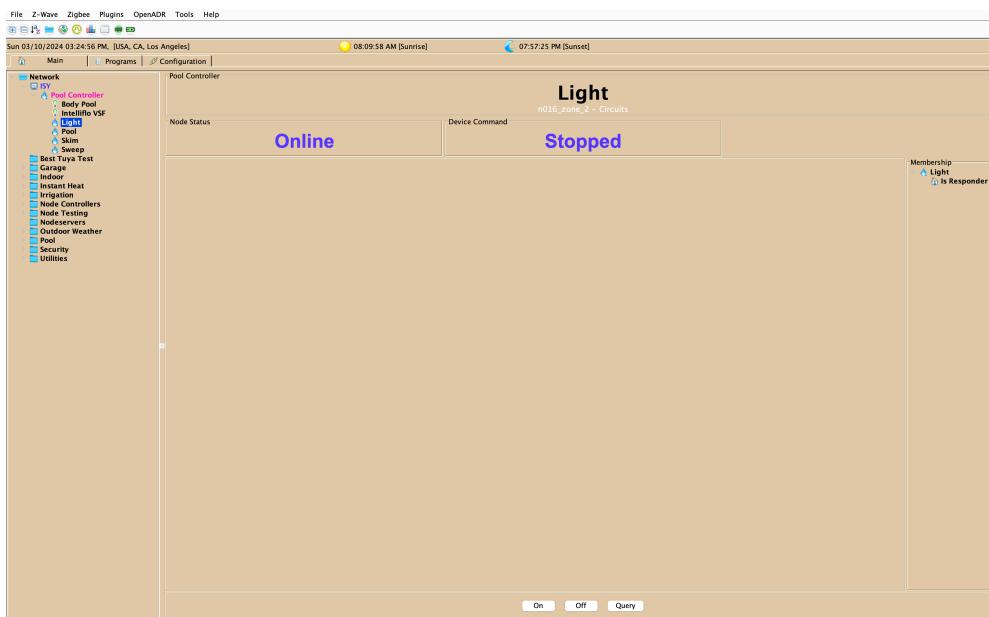
Pool Body you can override your heating set point Also start and stop the system. Heat is also in Nixie Controller Schedual so remember it will start your heat if you use a schedual.



Pump control allows you to override your speed if your pump is so equipped. Also to start and stop your pool system. Also change speeds if a two speed or multi speed VS style pump. I have only tested VSF Pump However all command for pumps are the same in code.



Circuits are overridable and are added atomically. Your Nixie controller also has Egg timers that you can set limits on how long a device runs. So if you turn a light on it will only run as long as the egg timer is set.



So if I turn my light on it will run only as long as the egg timer. If you set it to Don't Stop then you are in control with your Plugin on Admin Console or the UDI Phone App.

You will figure out what and how you can setup your system as this is all variable depending on how you setup your Nixie. So we will have some hiccups along the way with more than likely a fix or two of this first version. For Issues As the Author you will best contact me directly for any help regarding changes bugs or upgrade requests at: sjpbaily1961@gmail.com, option start a UDI ticket.

Remember this is for a single body and I may have to write other versions like Nixie Shared Body, Dual Body and a Nixie No Body. So please make sure you understand the endeavor you are taking on and must know several facets of electrical installation to attempt this install.

Good Luck, Steve Bailey

