

Barnacle Timing Adjustment Protocol

https://youtu.be/3pP5-_msZKk?si=ta0znBs9C9fXQcz1

The Barnacle comes with a pre-set default to check for water every 30 seconds. The Barnacle will work without any adjustments as soon as it is connected to power. However, depending on your boat's needs, you may want to access the other interval options (10 second and 60 second intervals).

If, for example you were heading out to sea for the day and were expecting to get water in the boat that you wanted to remove quickly, you could set your Barnacle to be more active and check for water every 10 seconds. Or maybe your boat is on the mooring and you want to maximize efficiency to conserve battery power. In this case, it would be better to set the Barnacle check interval to 60 seconds. After an adjustment, the Barnacle holds the last custom interval setting in internal memory, and will continue on that setting until the timing is changed again.

To change the Barnacle check interval, please follow the separate Barnacle wiring diagram. The blue wire connects to pump (positive). The black wire connects to the common ground (pump negative and battery negative). Leave the red/power/battery positive 12v wire disconnected or wired to an on/off switch. You only need the single red wire to adjust the timing:

Legend:	/ ON / = connect positive wire
	/ OFF / = disconnect positive wire

Step 1

/ ON / and wait for Barnacle light to go on. When the light goes off, **/ OFF /**. This is ONE completed step.

Step 2

Connect and disconnect 5 MORE times, each time waiting for the light to turn before disconnecting. 6 times TOTAL is required to enter the adjustment mode.

On the 6th connection, the Barnacle LED will start flashing

quickly, meaning you have entered timing adjust mode.

Step 3

with the LED flashing, choose your preferred interval:

Option one: / OFF // ON / = the Barnacle is on and ready to check every 10 seconds.

Option two: / OFF // ON // OFF // ON / the Barnacle is on and ready to check every 30 seconds.

Option three: / OFF // ON // OFF // ON // OFF // ON / the Barnacle is on and ready to check every 60 seconds.

Troubleshooting: If the timing of connect and disconnect is not correct, the Barnacle may fail to enter timing mode. In this case disconnect then wait for 10 seconds and repeat from Step 1.)