IceCap

BATTERY BACKUP MODE

When loss of power is detected, the Gyre Interface Module will go into backup mode. In this mode, the control input is ignored and the module runs the pump at a fixed low speed resulting in a 35-hour run time with a fully charged battery.

The red LED will blink 2-5 times and repeat. The following table shows the relationship between battery charge and blink pattern:

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coralvue.com/register

Battery Voltage	Number of blinks
12 Volts or higher	5 blinks
11-12 volts	4 blinks
10-11 volts	3 blinks
9-10 volts	2 blinks
Less than 9 volts	1 blink

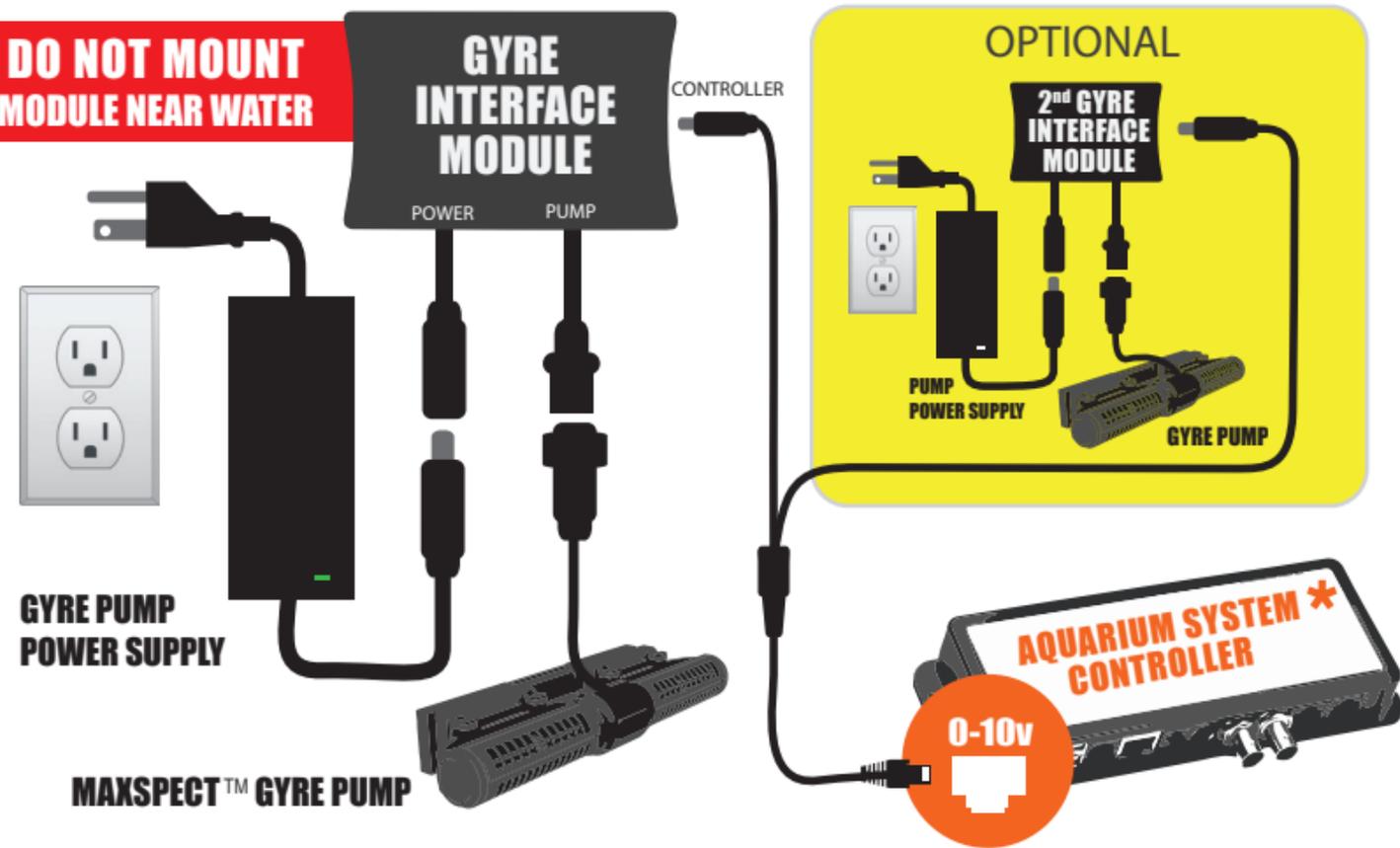Below 8 volts the pump will soon quit working.

Gyre
INTERFACE MODULE

CONTENTS

- Interface Module
- Y Link Cable

WARRANTY

- 12-Month Limited Warranty

DO NOT MOUNT MODULE NEAR WATER

GYRE INTERFACE MODULE

CONTROLLER

POWER   PUMP

OPTIONAL

2nd GYRE INTERFACE MODULE

PUMP POWER SUPPLY

GYRE PUMP

GYRE PUMP POWER SUPPLY

MAXSPECT™ GYRE PUMP

0-10v

AQUARIUM SYSTEM CONTROLLER *

*Aquarium system controller not included but required. This interface module is a third-party product intended to facilitate the connection between a Maxspect Gyre™ Pump and a system controller.

INITIAL CONNECTIONS

Unplug your Maxspect Gyre Pump's power supply. Remove the standard Gyre controller and re-connect the pump and power supply cable to Gyre Interface Module. Plug one end of the included module Y cable into the side of the Gyre Interface Module and the opposite end with the ethernet connection into an available 0-10v port on your existing system controller.

OPERATIONAL MODE

In operational mode the Status light should always be turned off. If the controller detects an error, such as a blocked rotor or no pump present, the status light will illuminate red and the pump will be stopped. The red light will generally remain on for 1-2 seconds, then it will turn off and the controller will try to restart the pump. If the error condition is gone, the pump will continue to run. If it detects the error once more, the red light will turn on again. The result of this is that a persistent error condition *(such as a missing pump)* results in a very slowly blinking red light where it is on for about 2 seconds and off for about 2 seconds *(depending on the error condition)*.

ATTENTION

When first connected, the IceCap Interface Module will run a calibration cycle for 10 seconds.

During this time, the pump will run at 100% speed. The calibration cycle only runs the very first time you connect the interface module to a pump.