

# PhytoFlash

## QUICK START GUIDE (For model 2500-000 or 2500-001)

Thank you for your interest in the PhytoFlash Active Fluorometer. We are committed to customer satisfaction. If you need assistance, application scientists are available to answer your questions at 408-749-0994 or toll-free at 877-316-8049. This is a Quick Start Guide to help you set up the PhytoFlash so you can run your samples and retrieve data as quickly as possible.

### 1 Connections

1. Connect PhytoFlash (A) to the 12-pin interface cable (B)
2. Connect interface power source pin (B) to 12V power supply (C)
3. There must be power supplied from the 12 V power supply in order to activate the PhytoFlash



### 3B Integrated Mode

1. Set the saturation flash on-time
2. Blank instrument with filtered seawater if desired
3. Test the PhytoFlash if desired
4. Enable integrated readings
5. Install flow-through cap or shade cap if desired
6. Supply third-party power
7. Secure PhytoFlash to a third-party or CTD system
8. Deploy

### 2 Computer Interface

1. Start any serial communication program (i.e. HyperTerminal or ProComm Plus) on your PC
2. Configure the following **Port Settings**: Bits per second: 57600, Data bits: 8, Parity: None, stop bits: 1
3. Plug in the PhytoFlash AC Adapter
4. The initial PhytoFlash Screen will appear after a few moments
5. Select SetUp (4) to set the Time and Date
6. Select one of the following modes

Note: PhytoFlash contains a processor chip that includes the software needed to interface with the PC

### 3C Laboratory Mode

1. Install flow-through cap
2. Set concentration level detector according to typical sample concentration
3. Blank instrument with filtered seawater if desired
4. Use dark tubing when pumping samples through instrument
5. Ensure there are no air bubbles on the optical head
6. Activate "capture text" function when recording data  
(Refer to 3.7 Downloading PhytoFlash Using HyperTerminal)

### 3A Self-Contained Mode

1. Set the start time and date for the data logger
2. Set the saturation flash on-time
3. Blank instrument with filtered seawater if desired
4. Test the PhytoFlash if desired
5. Enable the data logging
6. Install flow-through cap or shade cap if desired
7. Attach the battery pack
8. Ensure there are no air bubbles on the optical head
9. Secure PhytoFlash and battery pack to structure

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