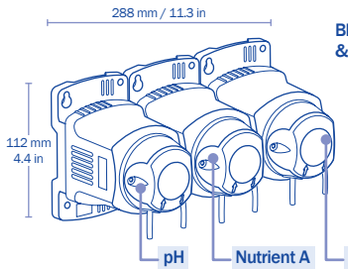
# Getting Started...

**Register your guarantee online at bluelab.com** To set up your Bluelab PeriPod, follow all steps below.

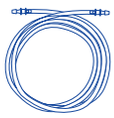
## What's in the Box?



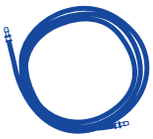

**Bluelab PeriPod M3/M4 & Getting Started Guide**



Dosing cable



4 metres / 13 feet pH Tubing



**M3** 3x 4 metres / 2x 13 feet Nutrient Tubing

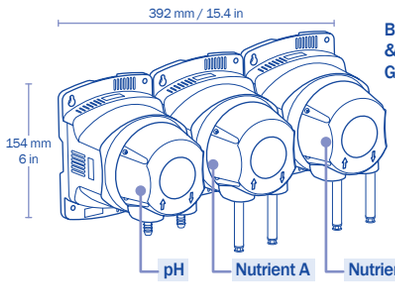
**M4** 4x 4 metres / 2x 13 feet Nutrient Tubing



Mounting Screws



24V DC 2Amp power supply



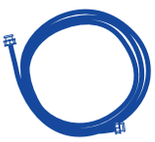

**Bluelab PeriPod L3 & Getting Started Guide**



Dosing cable



4 metres / 13 feet pH Tubing



2x 4 metres / 2x 13 feet Nutrient Tubing

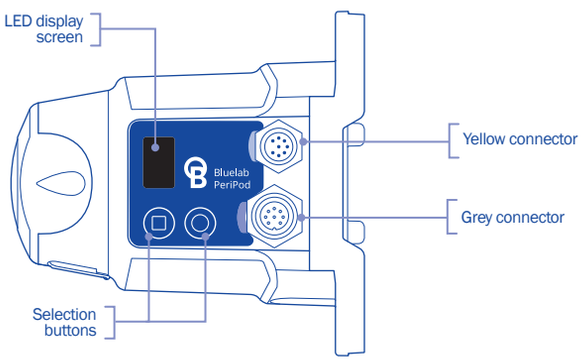


Mounting Screws



24V DC 2Amp power supply
(24V DC 5A on limited stock)

## Bluelab PeriPod Control Panel




### Easy Navigation

**For ease of use Bluelab dosing cables are colour coded. Each end matches up with colours on the connector panel of the Bluelab PeriPod.**

Use the '□' button to select priming or calibration mode, and the 'O' button to start or stop pumps. Familiarise yourself with the different settings before installing.

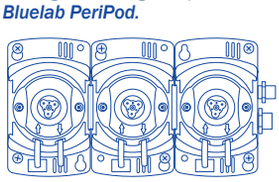
## Installing the Bluelab PeriPod

### Set up the Bluelab PeriPod

**1 To Mount**

1. Mount the Bluelab PeriPod on a wall ensuring it is higher than both the tank/reservoir and solutions.
2. Attach to the wall by securing the screws through the mounting holes in the top and bottom of the case.

CAUTION: ***Direct sunlight may result in increased damage to tubing and plastic components of the Bluelab PeriPod.***

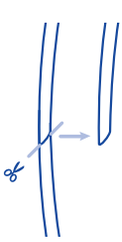


Recommended mounting configuration.

**2 Set up the Inlet and Outlet Tubes**

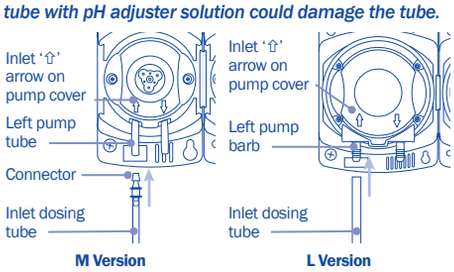
**Straighten the dosing tubes before connecting.** Bend tube in the opposite direction to its curve and straighten by running through closed fingers.

Each 4 metre / 13 foot length of tube is to be used as inlet and outlet dosing tubes. Before cutting, ensure there is enough length for each. Cut the tubing on a 45° angle, to avoid the tube becoming blocked due to suction at the bottom of the adjuster and nutrient solution bottles.



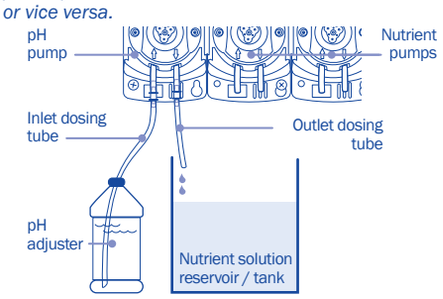
Cut tubing on 45° angle

CAUTION: ***Ensure you use the pH dosing tube with the pH adjuster solution. Using the dark nutrient dosing tube with pH adjuster solution could damage the tube.***

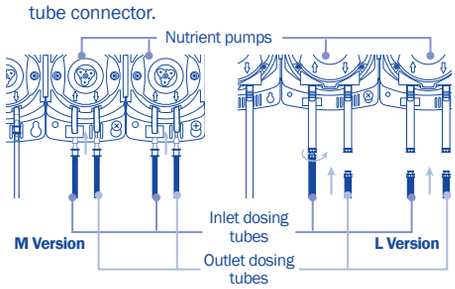



1. Attach the pH inlet dosing tube.
   **M Version:** Insert the pH dosing tube with connector to attach the LEFT pH pump tube.
   **L Version:** Push one end of the pH dosing tube over the LEFT pH pump barb.
2. Ensure the inlet dosing tube will reach the bottom of the pH adjuster container. Cut to desired length.
3. Attach the pH outlet dosing tube.
   Use the remaining dosing tube with connector and insert (M) or push tube over the barb (L) to attach the RIGHT pH pump tube.
4. Cut the outlet dosing tube so that the tube sits above the maximum solution level of the reservoir. The pH adjuster solution must drip into the nutrient reservoir.

**Note:** *If the outlet dosing tube is immersed in the reservoir solution, it could create a siphon. This could possibly cause the solutions to flow into the reservoir or vice versa.*




5. To set up nutrient tubing and pumps, repeat steps 1-4 using the darker nutrient solution tubing.
   **For the L Version:** Insert and twist each connector of the nutrient dosing tube into each nutrient pump tube connector.




***Turn over to continue set-up***

# Getting started continued...

*Follow steps on reverse before completing steps below.*

### 3 Connecting to a Bluelab Pro Controller

1. To connect the Bluelab PeriPod to the Bluelab Pro Controller, align the cable and connector pins and push the cable into the GREY Bluelab PeriPod connector. Once pushed in turn the threaded collar on the cable clockwise to secure it in place.
2. Then connect the YELLOW end of the cable to the doser connector of the Bluelab Pro Controller.

### 4 Connect Power Adapter

1. Connect the power adapter into the power receptacle in the base of the Bluelab PeriPod.
2. Plug the adaptor into the mains power supply. Switch on power adaptor at the mains. The Bluelab PeriPod will complete a display test sequence.
   A GREEN dot in the lower right hand corner of the display indicates that the Bluelab PeriPod is in stand-by mode, powered ON and ready to dose.

### 5 Bluelab Pro Controller/PeriPod setup acceptance

1. Go to the Bluelab Pro Controller, enter control mode, '*Pod Change -Accept-* 'will be displayed.
2. Accept the new Bluelab PeriPod setup by pressing any button apart from the mode up/down buttons. '*Pod Conf*' will be displayed.

## Priming and Calibrating the Pumps

### Manual Pump Priming

**It is recommended that after setup and before automatic dosing begins all pumps are manually primed with the solutions that they will dose during normal operation.**

1. Ensure all dosing tubes are correctly installed, and the Bluelab Pro Controller (if connected) is in monitor mode.
2. Short press the square selection button '☐' to enter pump priming mode.
   The LED display will show the letter P to indicate that priming mode has been entered then either a 1, 2 or a 3 will be displayed to indicate which pump is selected.
3. Select the pump to be primed by short pressing the square '☐' button. This will change the displayed number between 1, 2 and 3.
4. To begin priming the pump short press the circle button 'O'.
   The pump will begin running and the LED display will show a DOT in the bottom right corner (along with the pump number) to indicate that the pump is being primed.
5. Once the pump is primed short press square button '☐' to return to standby mode.
6. To prime another pump repeat steps 1 to 5 above.

**Note:** *The pump can be paused and restarted at any time during priming by short pressing the circle 'O' button.*

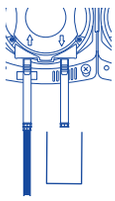
### Calibrating Nutrient Pumps

**Bluelab recommends that pumps are calibrated on initial set up, whenever it is observed that different quantities of solution are being dosed, when changing nutrient type, and every 30 days.** The pH pump cannot be calibrated.

**CAUTION:**

- To ensure calibration accuracy, the solution used during the calibration of each pump MUST be the same solution that will be dosed by that specific pump during normal operation.
- Pump calibration should be done with the Bluelab PeriPod and inlet tubing fully installed and primed as it would be during normal operation.
- The maximum running time for a pump during calibration is 3 minutes. If this time is exceeded the calibration will fail (the Peripod will display "F" then "A","I," "L", leave calibration mode and return to standby). It will not save calibration for that pump. If a pump takes longer than three minutes to deliver the required amount of solution it is likely there is a problem with the pump. See Bluelab PeriPod manual, section 5.3 Troubleshooting.

1. **With the Bluelab PeriPod and dose tubing fully installed, and the Bluelab Pro Controller in monitor mode (if connected):**
   Select the first nutrient pump to be calibrated, remove the outlet dosing tube from the pump outlet and place an empty ~300ml / 10oz for M versions, or 3000ml / 100oz for L versions, transparent container underneath the pump outlet tube so that nutrient pumped through the pump will flow into the empty transparent container and NOT into the reservoir.
   **Note:** Carefully remove the outlet dosing tube from the connector to remove for M3 version.



Put empty container under pump outlet tube

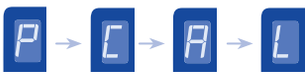
Before step 2, ensure the nutrient pump is primed. Refer to 'Manual Pump Priming' for more detail.

2. Power up the Bluelab PeriPod.
3. Enter pump calibration mode with a long press of the square button '☐' (long press = ~2 seconds).

**Limitation of liability**

Under no circumstances shall Bluelab Corporation Limited be liable for any claims, losses, costs and damages of any nature whatsoever (including any consequential loss) that result from the use of, or the inability to use, these instructions.

The LED display will show the letter P, then C, A, L, once pump calibration mode has been entered.

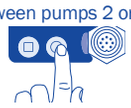


A 2 or 3 will be displayed to indicate which pump will be calibrated.

**Note:** Press '☐' to switch between pumps 2 or 3.



Indicates pump being calibrated

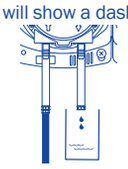


Press 'O' selection button

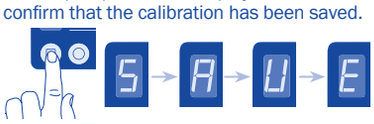
4. To begin calibrating the pump short press the circle button 'O'. The pump will begin running and the LED display will show a rotating bar to indicate that the pump is running.
   Allow the pump to run for approximately **two minutes**, then short press the circle button again to stop the pump. The LED display will show a dash.



Let pump run for 2 minutes

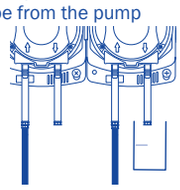


5. Press the square button '☐' to save the calibration for this pump. The LED display will show S A V E to confirm that the calibration has been saved.



Press '☐' selection button to save calibration

6. Take a marker pen and draw a line on the side of the transparent container to indicate the solution level within the container. This will be the reference quantity that the other pump will be calibrated to.
7. Empty the transparent container.
8. Select the second nutrient pump to be calibrated, remove the outlet dosing tube from the pump outlet and place your empty transparent container underneath the pump outlet tube so that nutrient pumped through the pump will flow into the empty transparent container and NOT into the reservoir.
   **Note:** Carefully remove the outlet dosing tube from the connector to remove for M3 version.



Put empty container under pump outlet tube

9. Enter pump calibration mode again with a long press of the square button '☐' (long press = ~2 seconds). The LED display will show the letter P, then C, A, L, once pump calibration mode has been entered.
   A 2 or 3 will be displayed to indicate which pump will be calibrated.
10. If required, press the square button '☐' to switch to the next pump to be calibrated.



Pump to be calibrated

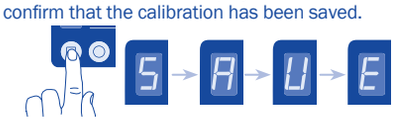


Indicates pump being calibrated



Press 'O' selection button

11. To begin calibrating the pump short press the circle button 'O'. The pump will begin running and the LED display will show a rotating bar to indicate that the pump is running.
    This time stop the pump with a short press of the circle button once the solution level has reached the mark made in STEP 6 above. The LED display will show a dash.
    **Note:** *The pump can be paused at any time during calibration by short pressing the circle button. Push the circle button 'O' again to restart the pump and continue calibration.*
12. Press the square button '☐' to save the calibration for this pump. The LED display will show S A V E to confirm that the calibration has been saved.



Press '☐' selection button to save calibration.

13. Calibration of the nutrient pumps is now complete. Re-attach the nutrient dosing tubes to the peristaltic pump tubes.

**Note:**

- Once the first calibration has been carried out, calibration of any pump can be carried out at any time using the marked solution container without the necessity of timing the first pump, however it is recommended that all pumps are calibrated whenever calibration is carried out.
- After calibration the Bluelab Pro Controller can take up to 10 seconds to accept in control mode. If you see a 'Pod Change' message, this will automatically disappear after these 10 seconds.
- Once calibrated, the pumps will be turned on and off at intervals by the Bluelab PeriPod while dosing in order to dose the correct amount, rather than both pumps continuously dosing. This is normal operation.
- Calibration times of greater than three minutes are not allowed, and will result in a failed calibration.
- Resetting the Bluelab PeriPod to an un-calibrated state can be carried out by pressing and holding both square and circle buttons while powering up.