



with stepper motor feeding pump User Manual ver. 3.0

www.Pacific-Sun.eu

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1. Introduction

Dear Customer,

Thank you for purchasing the Pacific Sun CalcFeeder PRO Controller.

With the purchase of this unit, you have selected a top quality product. It has been specifically designed for aquaristic purposes and has been tested by experts. With this unit and CalcFeeder PRO calcium reactor, you are able to adjust the calcium level as well as the carbonate hardness in your seawater tank simply and efficiently in order to achieve optimum levels.

For best results, please read through this instruction manual before installing the CalcFeeder PRO Controller on your system.

During or after installation, please do not hesitate to contact our technical support team at *service@pacific-sun.eu* if you have any questions about your new CalcFeeder PRO Controller.

2. CalcFeeder PRO Controller





The Controller unit was designed to work with CalcFeeder PRO calcium reactor but can be used also as a very precise feeding pump for any other Calcium Reactor brand (require turning the "**Standalone**" mode to ON).

The CalcFeeder PRO controller is equipped with an ultra-precise Stepper Motor pump with four rollers. Built-in LCD touch-screen allows for very easy flow adjustments and controller operations. The Controller firmware updates can be performed by the internal USB port.

2.1. Controller Touch-Screen Operations





2.2. Controller Maintenance

Stepper motor allows for heavy-duty work **24/7** without any limits. The controller allows setting the rate at which calcium and carbonate are dosed in the tank from **100 ml/h to 7200 ml/h**.

Please remember about regular tubing inspections and maintenance. Used Pharmed BPT tubing has an **MTBF** (Mean Time Before Failure) of an average of **2000 hours** and needs to be replaced after that time. Regular lubrication by using silicone grease will extend tubing lifespan and protect the device against leaking and damage.



3. Controller Wi-Fi Pacific Sun Cloud setup

3.1. Connecting Controller to your home Wi-Fi network





3.2. Adding Controller to Pacific Sun Cloud

Padric Sun x + C c cloud.pacific-sun.eu/login ☆ Sign in to your Pacific Sun account Please enter your email and password to log in. EMail Password I forgot my password Login Don't have an account yet? Create an account	 Connect to your home Wi-Fi internet network, open Internet Browser, and go to the following address: https://cloud.pacific-sun.eu Click Create an account
Sign Up Enter your account details below:	 2 Create Cloud Pacific Sun account. 1 Enter Email address 2 Enter Password 3 Enter Password Again Next Click Submit
Image: Construction Image: Construction Image: Construle Image: Construle	3 After login, on the Dashboards: 1 Click Add new tank





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welcome user@email.com ♥	CalcHeeder 1 10: 1396, Last online: 2021-09-24 06:5	9:55	EDIT	operation.
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9 My Light Profiles	Speed Settings Increase + Decrease -	Degass Degass 🗬		
() Log Out				

3.3. Linking CalcFeeder Controller Pro with Kore 7th kHLab

Pacific Sun Cloud is giving all users the opportunity to add all WiFi PS Cloud-ready devices, configure them and link them to enable additional functionality and more automatic control to the aquarium. You can link CalcFeeder Controller Pro to Kore 7th kHLab and have Kore 7th control and adjust CalcFeeder effluent automatically based on the measured Alkalinity levels. To link CalcFeeder Controller Pro with Kore 7th kHLab follow the steps.



4. CalcFeeder Controller Firmware Upgrade



Warning!

Switching OFF the power supply during the Firmware updating process may damage your doser CPU. Uploading wrong Firmware may damage your doser and void your warranty. The damage may require returning the doser to our service department to restore it's original functionality. Use only **dedicated firmware upgrade software** available for download on www.pacific-sun.eu in the **Download** section.



3. Windows Operating System has the two following options to verify the correct USB Serial Port COM **number**:

- "Device Manager"
 "Devices and Printers"
- Imaging devices

 Keyboards

 Monitors

 Network adapters

 Ports (COM & LPT)

 Bluetooth Serial Port (COM10)

 Bluetooth Serial Port (COM11)

 Bluetooth Serial Port (COM13)

 Processors

 Security Devices



PSunFlash.exe Type: Application	 6. Download the "Firmware Updater" application from the Pacific Sun website: http://www.pacific-sun.eu/pliki/PSunFlash32.zip Unpack the ZIP file and run the "Firmware Uploader". Note: For the Mac OS version download from: http://www.pacific-sun.eu/pliki/PSunFlash21.app.zip
Firmware Uploader, ver.1.6	 7. In the "Settings" tab, choose the port COM number the device is installed on the computer and click Apply Note: For the Mac OS version, select the device you want to update from the list.
Firmware Uploader, ver.1.6 Firmware Uploader, ver.1.6 Uppen file Firmware Uploader ver.1.6 (c) 2015 by Pacific Sun Piease choose Open file to load firmware and upload device. Update Rescue mode Close Www.pacific-sun.eu Close Www.pacific-sun.eu Close Www.pacific-sun.eu Close Www.pacific-sun.eu	8. Go to the "Firmware" tab and click Open file









If you need technical support - please contact with *service@pacific-sun.eu*

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