

REPLACING THE CONTROLLER WITHOUT THE HELP OF THE PC:

Replacing the controller in an **Aquatronica** system without the possibility of saving and downloading the configuration from a PC means that the entire system will need to be reinstalled.

This is because the controller is the brain of the entire system; all of the previous settings are therefore lost when the system is replaced.

To replace, proceed as follows:

1. Make a note of the name of all of the outputs on the connected power units so that they can be reinserted into the new controller without needing to memorize them. To check the names of the outlets, press the ESC key on the main page. If the system contains several multioutlets, scroll all of the names using the Right and Left keys.
2. Make a note of all of the timer programs that were set for the outlets.
3. Make a note of all of the wave effects that were set.
4. Make a note of all of the tide effects that were set.
5. Make a note of all of the Power Cut programs that were set.
6. Make a note of all of the "Summer Function" programs that were set.
7. Make a note of all of the Temperature programs.
8. Make a note of all of the pH programs.
9. Make a note of all of the Redox programs.
10. Make a note of all of the Density programs.
11. Make a note of all of the Conductivity programs.
12. Make a note of the data entered in the Diary with relative expiration.

After writing down this data, proceed by disconnecting the controller as follows:

1. Disconnect all of the accessories connected to the system including the interfaces, additional multiple adapters, temperature sensors, level sensors, etc.
2. Leave only the controller's multioutlet connected.
3. Disconnect the cable from the installed controller.
4. Connect the new controller to the same cable.
5. When the selection appears on the display, choose the language from those available and press Enter.
6. Set the correct time and date and then press Enter.
7. After a few seconds the Plug-In screen should appear, in which the system detects the "Power Unit" multioutlet. Change the name of the multioutlet, if desired, and press Enter.
8. At this point the new controller has become the system's brain. All of the outlets of the multioutlets will be switched off since the old programs are no longer in the controller.

9. One by one, reconnect all of the previously connected accessories (pH, Redox, Density interfaces, etc.), any other multioutlets, temperature sensors, level sensors, etc.

IMPORTANT: Reconnect the accessories one at a time, allowing the system to detect them one by one, so that the system does not confuse identical accessories (for example, 2 pH), making recognition later difficult. After reconnecting each data cable, wait for the plug-in screen to appear on the controller. Then press Enter. Only then can the next accessory be connected.

10. When all of the accessories have been reconnected, the system will be set up as it was prior to replacement.

11. Then reprogram using the data written down at the beginning:

- Re-enter the names assigned to the outlets.
- Re-enter all of the timer programs.
- Re-enter the tide effects.
- Re-enter the wave effects.
- Re-enter the Power Cut programs.
- Re-enter the "Summer Function" programs.
- Re-enter the Temperature programs.
- Re-enter the pH programs.
- Re-enter the Redox programs.
- Re-enter the Density programs.
- Re-enter the Conductivity programs.
- Re-enter the diary's reminders.

12. After re-entering all of the data that was written down at the beginning, the system should function exactly as it did before the controller was replaced.

13. Note: Sensors that were previously installed and calibrated do NOT need to be recalibrated.

REPLACING THE CONTROLLER WITH THE HELP OF THE PC:

Replacing the controller in an **Aquatronica** system with the help of PC software is particularly fast. This should, however, be done using updated PC software. Verify whether you are using the latest version available.

Proceed as follows:

- 1) Start the Aquatronica software on your computer.
- 2) Connect the computer to the Internet.
- 3) From the FILE Menu, click on the "**Download from Internet**" icon.

Now the software will automatically download all of the available software updates for the computer and firmware updates for the various accessories.

If your PC software was not up-to-date, it will be automatically updated.

At this point, proceed as follows:

- 1) Connect the Aquarium Controller system to the PC using the PC interface (ACQ220+ACQ221, if USB)
- 2) Open the PC software.
- 3) Connect the software to the system by clicking on the "Connect" icon (CTRL+C).
- 4) After the system has been connected (green bar at bottom), click on the "Save Configuration" icon to save all of the set data.
- 5) After saving the configuration, disconnect the software from the PC and the PC interface.
- 6) Disconnect all of the accessories connected to the system including the interfaces, additional multiple adapters, temperature sensors, level sensors, etc.
- 7) Leave only the controller's multioutlet connected.
- 8) Disconnect the cable from the installed controller.
- 9) Connect the new controller to the same cable.
- 10) When the selection appears on the display, choose the language from those available and press Enter.
- 11) Set the correct time and date and then press Enter.
- 12) After a few seconds the Plug-In screen should appear, in which the system detects the "Power Unit" multioutlet. Change the name of the multioutlet, if desired, and press Enter.
- 13) At this point the new controller has become the system's brain. All of the outlets of the multioutlets will be switched off since the old programs are no longer in the controller.
- 14) One by one, reconnect all of the accessories that were previously connected (pH, Redox, Density interfaces, etc.), any other multioutlets, temperature sensors, level sensors, etc.

IMPORTANT: Reconnect the accessories one at a time, allowing the system to detect them one by one, so that the system does not confuse identical accessories (for example, 2 pH), making recognition later difficult. After reconnecting each data cable, wait for the plug-in screen to appear on the controller. Then press Enter (if the name of the accessory being connected should be changed).

Only then can the next accessory be connected.

- 15) When all of the accessories have been reconnected, the system will be set up as it was prior to replacement.
- 16) Reconnect the PC interface and connect using the Aquatronica software by clicking on the "Connect" icon.
- 17) After the system has been connected, click on the "Open configuration" icon.
- 18) Select the initially saved file.
- 19) At this point the system downloads the saved configuration and if there are several identical devices, the system requests that they be matched with those saved.
- 20) The PC software will re-enter all of the data existing prior to replacement into the new controller.
- 21) Disconnect the PC software.