

User manual

for

display and operating unit



Valid from firmware version 1.06

Contents

1	GENERAL	3
1.1	CHARACTERISTICS	3
1.2	INCLUDED IN DELIVERY	3
1.3	PRECONDITIONS	3
1.4	IMPORTANT OPERATION HINTS	3
1.5	MOUNTING	4
1.6	CONNECTION	4
2	OPERATION	5
2.1	MAIN MENU	5
2.2	SELECTION MENU.....	6
2.3	MONITOR MENU	8
2.4	SETTING MENU.....	9
3	OPTIONS	10
3.1	DESIGN.....	10
3.2	COLORS	11
3.3	MEASUREMENT VALUE MEMORY	11
3.4	DISPLAY ILLUMINATION	11
3.5	BEEPER	11

1 General

1.1 Characteristics

We thank you for your trust in our *ProfiLux* - products!

Overview of the characteristics:

- 4,3" Touch color display
- Connection via *ProfiLux Aquatic Bus* (PAB)
- Shows current values and states clearly arranged
- Start of several special functions possible: maintenance, feeding pause, water change and thunderstorm
- Storing and display of up to 4 million measured values, measuring interval can be set (display of one, seven, 30 or 90 days)
- Design can be adapted: several backgrounds are available and colors for font and diagram can be set.
- Remote control of the connected *ProfiLux* is possible – basic settings can be made through *ProfiLux Touch*
- Acoustic alarm (can be switched off)

1.2 Included in delivery

Before you start you should check if the delivery is complete. The following articles belong to the delivery (PAB-cables are not included in delivery and have to be ordered separately):

- *ProfiLux Touch* Display
- *ProfiLux Touch* Interface
- power supply
- connection cable display to interface
- wall mounting set

1.3 Preconditions

- To operate a *ProfiLux Touch* you need a *ProfiLux* with PAB (*ProfiLux Aquatic Bus*). The operation without PAB is not possible.
- *ProfiLux* Firmware 5.08 or higher
- *ProfiLuxControl* 5.0.8.0 or higher or *GHL Control Center* (all versions)

1.4 Important operation hints

To guarantee a safe and riskless operation, the following instructions have to be followed absolutely! If they are ignored, the warranty expires resp. the manufacturer rejects any responsibility resp. liability for damages!

- Power-supplied devices and water can become a dangerous combination. Therefore it is absolutely necessary to supply all power-supplied devices which are operated in the aquarium or next to it with supply voltage via a fault current protection switch!
- *ProfiLux Touch* is not waterproof. This means that all parts have to be protected from humidity (also splashing water)! Please keep this in mind when you choose the place of installation.
- You may only connect the provided cables with the corresponding connections. If you connect other components, then the warranty expires!

1.5 Mounting

Using the attached mounting set you can install the display, alternatively the keyholes on the rear can be used to suspend the display from 2 screws. Please note that the screws must not protrude more than 8 mm into the enclosure, otherwise the display may get damaged!

The interface can be screwed on, therefore it has 2 screw holes.

1.6 Connection

Connect the display through the provided connection cable with the interface.

In the rear side of the *ProFiLux Touch* display you will find a hole, here you have to plug in the cable. The hole has been designed in a way that it is possible to route the cable downwards or to the back side (e.g. through a wall).



Afterwards connect the power supply and PAB.

Hint

The display may neither be plugged in nor out when the *ProfiLux Touch* interface is supplied with voltage! You always have to connect first the display, only after this the power supply!

2 Operation

Before you can use *ProfiLux Touch* at your PAB-system, you first have to assign *ProfiLux Touch* to *ProfiLux*.

Details regarding the connection and configuration of PAB you can read in the instruction „Description of ProfiLux Aquatic Bus (PAB)“ (you can find it in our download section on www.aquariumcomputer.com).




2.1 Main menu

After the greeting screen the main menu is shown.









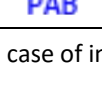


Current values and states are displayed clearly arranged. In the menu *Display* of *ProfiLux* you can define which information you would like to see. The symbols in the text have following meanings:

Symbol	Meaning
	Display of date and time.
	A reminder is displayed.
	Radio controlled clock signal is present.
	Alarm
	Display of an illumination channel.
	Display of a sensor.
	Display of current.
	Downwards control is active.
	Upwards control is active.

	Bottom heater is active.
	Main heating is active.
	Cooling is active.

In the lower status bar you can see the following information:

Symbol	Meaning
	A feeding pause is active.
	A maintenance is active.
	A water change is active.
	A reminder is present.
	There is an alarm (if <i>ProfiLux</i> gives out an alarm or if the PAB-connection is interrupted).
	At the moment a cloud is simulated.
	The thunderstorm simulation is active / flashes are created.
	Display of the current moon phase.
	The communication via PAB is ok.









In case of inactivity, the corresponding symbols are grayed out (exception moon symbol – here there is no inactivity).


2.2 Selection menu

You get into the selection menu by pressing in the main menu onto any position on the Touch.



In the selection menu you can start and stop actions, furthermore you will get from here to the monitor and to the settings menu. Click onto one of the following buttons:

Button	Meaning
	Start/stop of the feeding pauses 1 to 4 (the current <i>ProfiLux</i> firmware 5.08 supports only feeding pause 1, in future versions there will be feeding pause 1-4).
	Start/stop of maintenances 1 to 4.
	Start/stop of water changes 1 to 4.
	Start a thunderstorm.
	With this buttons the acoustic alarm can be switched on or off. The button shows the current state: The crossed out speaker indicates that the acoustic alarm is switched off.
	Leads to the monitor menu.
	Leads to the settings menu.
	Back to the main menu.

A started action is displayed by a green check mark () at the corresponding button.

2.3 Monitor menu

In the monitor menu select first the sensor whose stored measured values you like to have displayed.






Due to lack of space the buttons are only labeled with the description names of the sensors. That is why you should – if not done yet – give all sensors significant descriptions with *ProFiLuxControl*.

Button	Meaning
	Press the corresponding button to look at measured values.
	If you should have more than 15 sensors, you will get to the other sensors with this button.
	Back to the selection menu.

After you have selected the sensor, the course of the measured values is displayed graphically:





The displayed buttons have the following meaning:

Button	Meaning
	Display a longer measuring period (measuring periods: 24 hours, 7 days, 30 days and 90 days).
	Display a shorter measuring period.
	Back to the sensor selection.

2.4 Setting menu

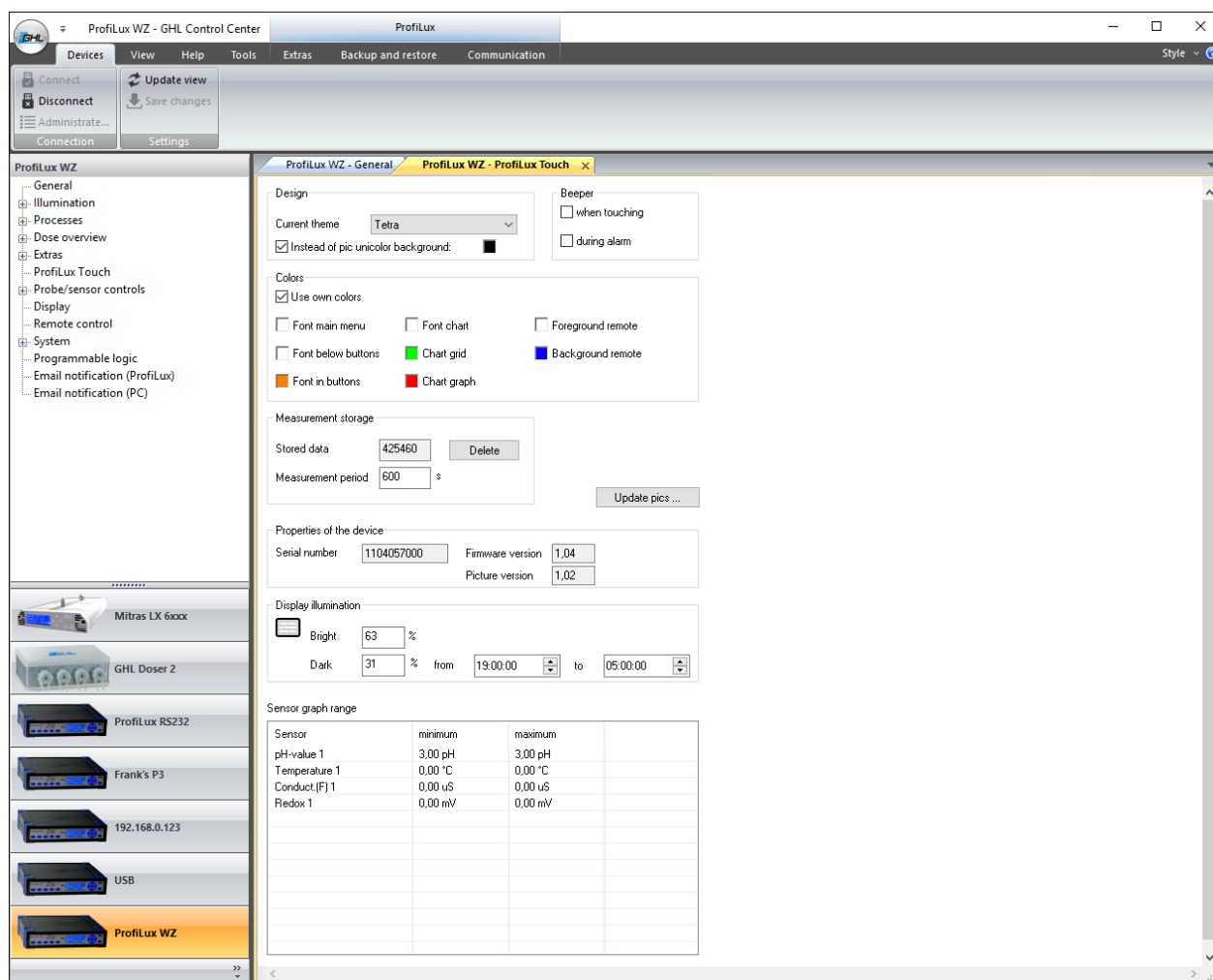
In the setting menu you can control your *ProfiLux* by remote. The displayed keys behave the same way as the keys at *ProfiLux* and the display simulation shows exactly the current content of the *ProfiLux*-display. In addition to the *ProfiLux*-keys also a decimal board for a more simple entering of numerical values is available.



Button	Meaning
	Entering numerical values.
	Back to the selection menu.

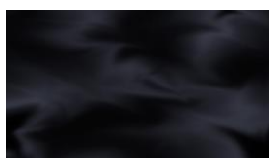
3 Options

ProFiLux Touch offers several setting options, you can make the settings comfortably with *GHL Control Center*.



3.1 Design

Select here out of several themes, the following themes are available:



Marble



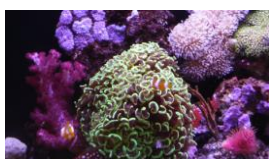
Organism



Caribbean



Blue rays



Corals



Tetra



Amazonas



Stingray

3.2 Colors

If you don't like to use the colors that are already predefined in the theme, you can use own colors.

3.3 Measurement value memory

ProfiLux Touch stores up to 4 million measurement values in the integrated memory, the storing is made independently from the measurement value storing in *ProfiLux*. You can set the measuring interval (period between storing two measurement values) in the range from 60 s to 3600 s. Please be aware that the shorter the measuring interval is selected, the longer the display of the measured values will take. If necessary you can also delete all measured values stored up to now.

The measured values of all connected sensors are stored automatically, a selection of the sensors is not possible (the selection of the sensors for the measurement value storing in *ProfiLux* has no influence on the storing in *ProfiLux Touch*).

3.4 Display illumination

The brightness of the background illumination of the *ProfiLux Touch* display can be set. It is possible to reduce the brightness at a certain time of day (e.g. at night). When pressing the Touch, the background illumination becomes automatically brighter for a short time.

Like for all white LEDs the live time of the LED background illumination depends on the brightness, therefore you should adjust the display illumination only as bright as necessary, at night the brightness should be reduced.

A moderate illumination saves energy – the display needs at full brightness approximately twice of energy compared with darkness.

3.5 Beeper

You can set if the Beeper shall be activated when touching the Touch and/or in case of an alarm.