aquabus X4
User and installation manual
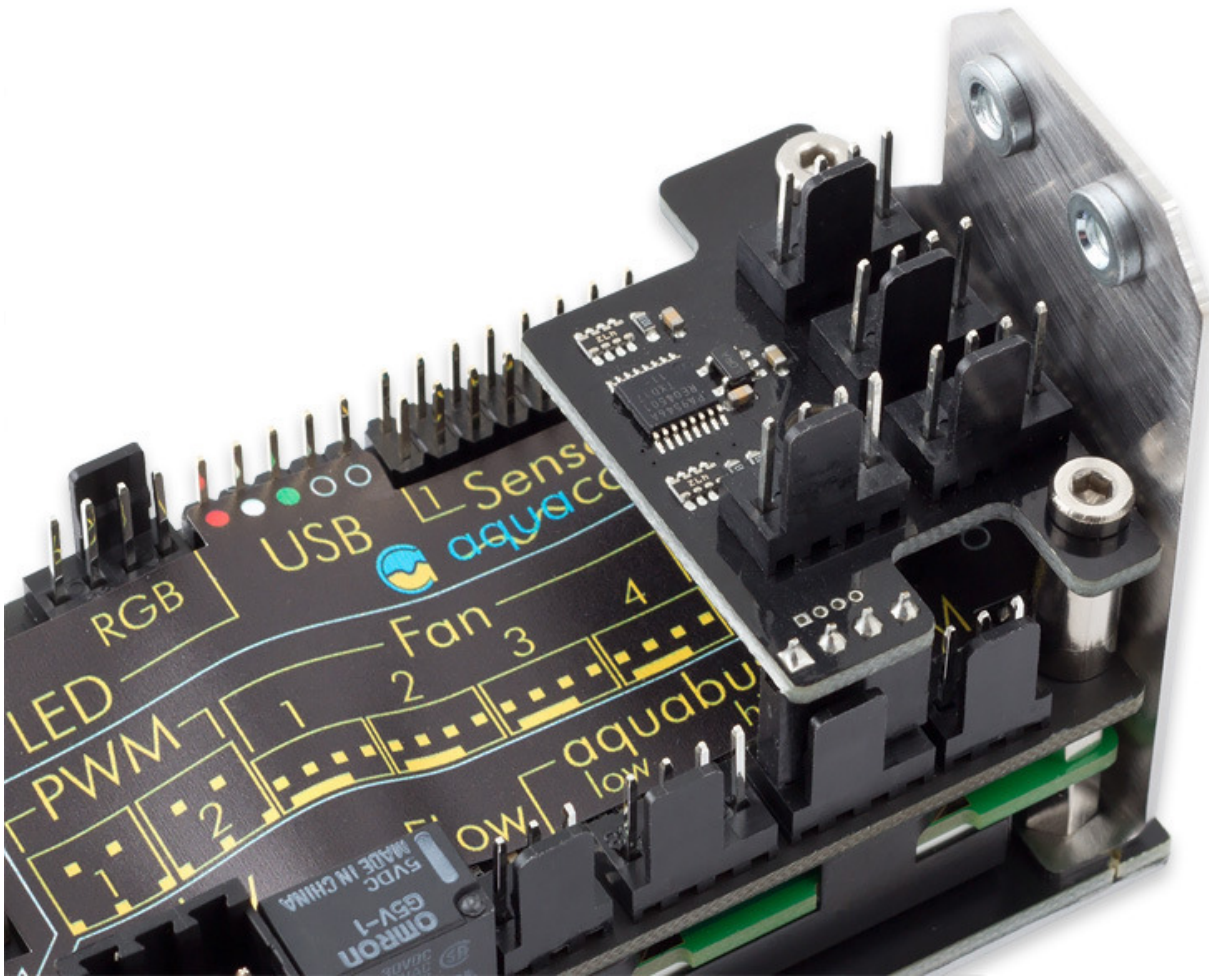
Description

Active quadruple aquabus splitter.

For operation, an aquaero 5 or aquaero 6 device with firmware version 2100 or higher is required. Compatible firmware versions are included starting with aqua-suite version 2018-1.

Installation onto an aquaero 5/6

The aquabus X4 is to be installed directly on top of an aquaero 5/6 device:

1. Turn off the PC, disconnect the aquaero from the PSU, disconnect the USB cable, the standby power cable (aquaero 5 only) and aquabus high speed cable from the aquaero if connected.
2. Remove the two screws adjacent to the temperature sensor inputs and to the speed signal output from the aquaero.
3. Plug the aquabus X4 module onto the aquabus high speed connector of the aquaero.
4. Secure both PCBs using the two cylindrical spacers and screws according to the following figure. (The aquabus X4 can also be installed if a passive heat sink is installed on the aquaero, in this case use the shorter spacers supplied with the heat sink, replacement part number 91239.)
5. Connect aquabus high speed compatible devices to the aquabus connectors of the aquabus X4 module. Reconnect PSU, USB and standby cables to the corresponding connectors (if previously installed) and start the PC.

Simultaneous use of aquabus X4 and Real Time Clock

If aquabus X4 and Real Time Clock modules are to be used simultaneously, the aquabus X4 has to be installed onto the aquaero 5/6. Install the Real Time Clock module somewhere else in the PC and connect one of the aquabus connectors of the aquabus X4 to one of the aquabus connectors of the Real Time Clock module. (Compatible aquabus cables: 53122 or 53162)

Guidelines and recommendations:

- If used with multiple Calitemp sensors, each Calitemp sensor must be connected to an individual connector of the aquabus X4 board – do not connect two Calitemp sensors to the same connector using splitter cables!
- All other aquabus devices (such as poweradjust, mps, farbwerk, etc.) can be connected to any connector of the aquabus X4 board in any combination, also to ports that are connected to (exactly one) Calitemp sensor. Use aquabus splitters (product codes 53063, 53124 or 53231) to connect multiple devices.

- The aquabus X4 board does not affect the maximum number of aquabus devices to be connected to an aquaero. Refer to the aquaero manual for maximum number of aquabus devices per type.
- Connect a similar number of devices to each of the four aquabus connectors of the aquabus X4 board for optimum performance.
- Do not connect multiple aquabus X4 boards to one aquaero! For additional aquabus connectors, use aquabus splitters (product codes 53063, 53124 or 53231).

Pin assignment

Pin 1: GND
Pin 2: SDA
Pin 3: SCL
Pin 4: +5V

Scope of delivery

One aquabus X4 module
Two spacers (replacement part number 91217)
Two screws M3 x 18 mm (replacement part number 91051)

Care instructions

Use a dry and soft cloth for cleaning. All electronic components and headers must not get in contact with coolant or water!

Waste disposal

This device has to be disposed of as electronic waste. Please check your local regulations for disposal of electronic waste.