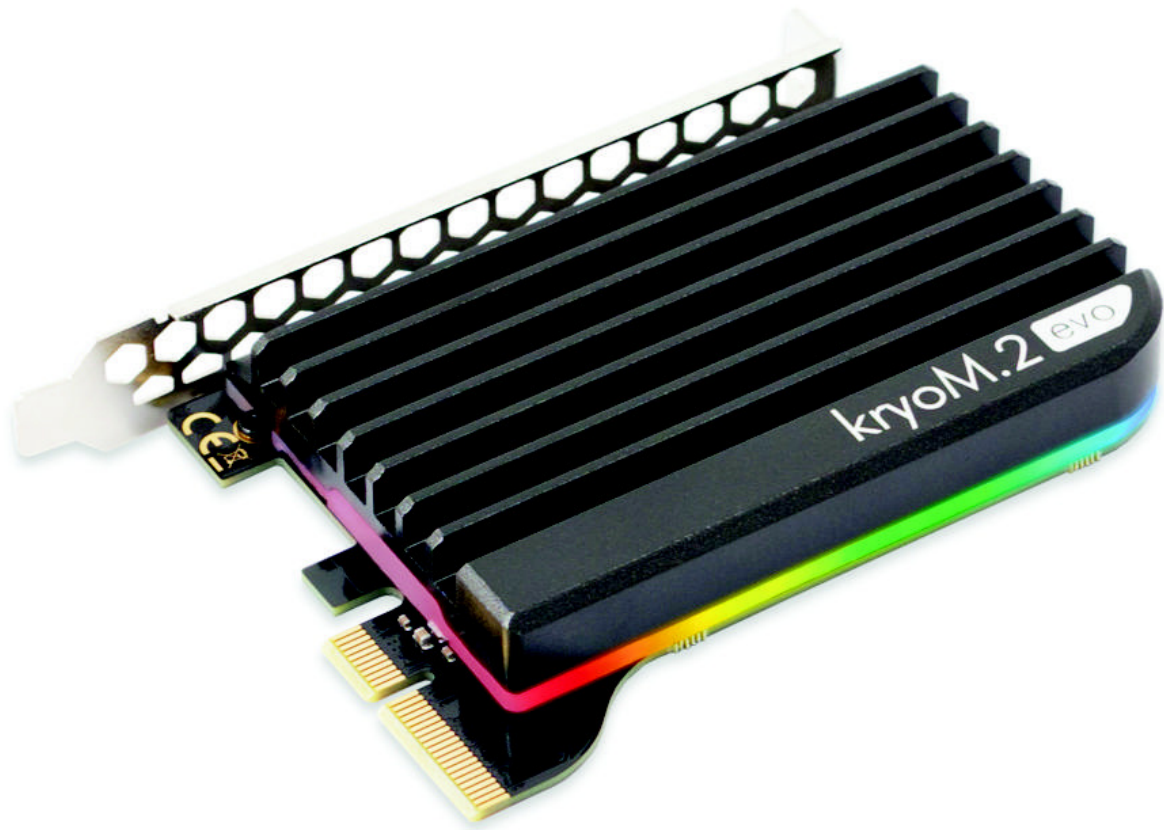


# User and installation manual



## kryoM.2 RGBpx

ENGLISH: PAGE 1

DEUTSCH: SEITE 9

Current as of January 2025

All information contained in this manual is subject to change without prior notice.  
All rights reserved.

## Table of contents

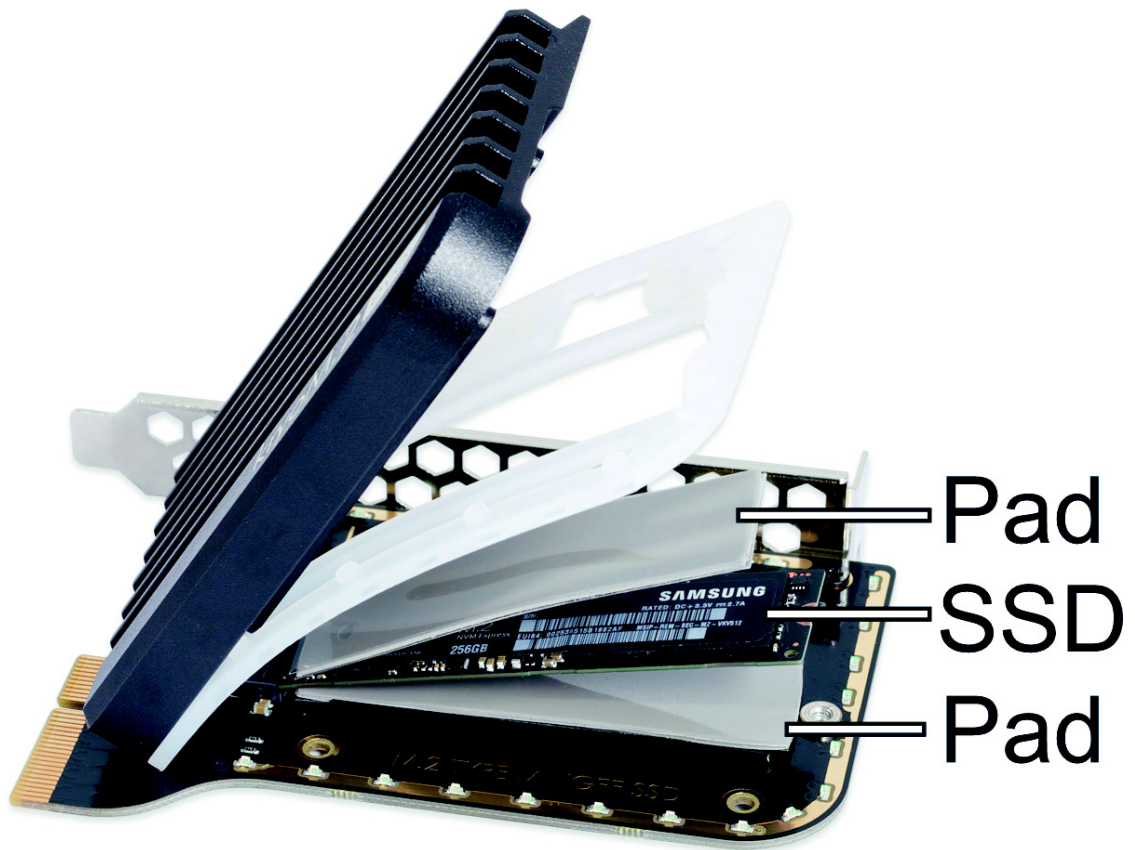
1. Scope of delivery.....	2
2. Assembly instructions.....	2
3. Lighting setup.....	3
3.1. Symbol reference.....	4
3.2. Lighting effect setup.....	4
3.3. Lighting effect color setup.....	5
3.4. Lighting effect brightness setup.....	5
3.5. Activity display setup.....	5
3.6. Activity color setup.....	6
3.7. Activity brightness setup.....	7
4. External RGBpx input.....	7
4.1. Connector "RGBpx".....	7
4.2. Compatible RGBpx accessories.....	7
5. Technical details and care instructions.....	8
5.1. Technical details.....	8
5.2. Care instructions.....	8
5.3. Waste disposal.....	8
5.4. Contact Aqua Computer.....	8

## 1. Scope of delivery

- One kryoM.2 RGBpx adapter card with heat sinks
- Two thermally conductive pads (replacement part no. 51211)
- This manual

## 2. Assembly instructions

- Remove the four screws of the heat sink and remove the heat sink.
- Place one of the thermally conductive pads (remove protective foils from both sides!) onto of the small heat sink.
- Carefully insert the SSD into the socket and secure the SSD with the screw.
- Place the second thermally conductive pad (remove protective foils from both sides!) onto the SSD.
- Reattach the large heat sink to the adapter card.




### 3. Lighting setup



### 3.1. Symbol reference

 Short key press

 Press and hold key

### 3.2. Lighting effect setup

The lighting effect can be selected by a short key press of the S1 key. One LED will light up in color red, the position of this LED indicates the currently selected effect:



Effect 1: Fixed color and brightness. The desired color can be set, see chapter 3.3.



Effect 2: Breathing: Brightness increases and decreases continuously. The desired color can be set, see chapter 3.3.



Effect 3: Full rainbow. All colors of the rainbow rotate over the LEDs, the full rainbow spectrum is always visible.



Effect 4: Partial rainbow. All colors of the rainbow rotate over the LEDs, only a part of the rainbow spectrum is visible at any time.



Effect 5: Color wave. The color undulates along the color circle around a preset color. The desired color (center point) can be set, see chapter 3.3.



Effect 6: Disabled. Effect lighting is disabled, but activity may still be displayed (see chapter 3.5.). In order to disable all lighting functions, the activity display must be disabled as well.

### 3.3. Lighting effect color setup



For effect 1, 2 and 5, the color can be adjusted. Hold down the S1 key until the desired color is displayed. As long as the key is pressed, the color will slowly cycle along the color circle.

### 3.4. Lighting effect brightness setup



Hold down the S1 key, then press and hold the S2 key until the desired brightness is reached. As long as both keys are pressed, the brightness will slowly change until it reaches the maximum or minimum value. In order to change the direction towards maximum or minimum brightness, hold both keys until the maximum or minimum is reached. Release both keys and repeat the procedure.

### 3.5. Activity display setup

By a short key press of the S2 key, the mode of the activity display can be selected. Read/write operations can be visualized if the installed SSD provides an activity signal. One LED will light up in color green, the position of this LED indicates the currently selected effect:



Activity 1: SSD symbol. The SSD symbol on the rear of the kryoM.2 adapter card will be background lit during SSD activity. The desired color can be set, see chapter 3.6.



Activity 2: Six LEDs. The first six LEDs on the upper edge of the card light up during SSD activity. The desired color can be set, see chapter 3.6.



Activity 3: All LEDs. All LEDs on the outer edge of the card light up during SSD activity. The desired color can be set, see chapter 3.6.



Activity 4: Bar graph. The LEDs on the outer edge light up as a bar graph/level indicator during SSD activity. The desired color can be set, see chapter 3.6.



Activity 5: Moving full rainbow. All colors of the rainbow are always visible. During SSD activity, the colors rotate over the LEDs. Without activity, the colors do not move.

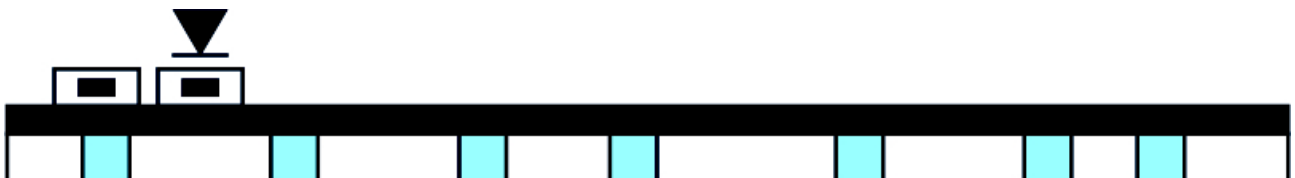


Activity 6: Moving partial rainbow. A part of the rainbow spectrum is visible at any time. During SSD activity, the colors rotate over the LEDs. Without activity, the colors do not move.



Activity 7: Disabled. Activity display is disabled, but effect lighting may still be displayed (see chapter 3.2.). In order to disable all lighting functions, effect lighting must be disabled as well.

### 3.6. Activity color setup



For activity modes 1, 2, 3 and 4, the color can be adjusted. Hold down the S2 key until the desired color is displayed. As long as the key is pressed, the color will slowly cycle along the color circle.

### 3.7. Activity brightness setup



Hold down the S2 key, then press and hold the S1 key until the desired brightness is reached. As long as both keys are pressed, the brightness will slowly change until it reaches the maximum or minimum value. In order to change the direction towards maximum or minimum brightness, hold both keys until the maximum or minimum is reached. Release both keys and repeat the procedure.

## 4. External RGBpx input

### 4.1. Connector “RGBpx”

Instead of using the integrated lighting and activity effects, the 17 addressable RGB LEDs can optionally be controlled by an external device. In addition to devices with RGBpx outputs, other controllers for ARGB LEDs can also be used. The kryoM.2 RGBpx lighting can thereby be integrated into a comprehensive lighting concept.

Within the LED chain, the 15 LEDs on the outer edge of the card are addressed first, followed by the 2 LEDs providing background illumination for the SSD symbol on the rear side of the card.

Connect a compatible device to the RGBpx header of the card. As soon as a supply voltage is detected on this header, the internal lighting functions will be disabled and the LEDs will be controlled by the external device. If no supply voltage is detected for approximately 30 seconds, the internal lighting functions will be re-enabled.

### 4.2. Compatible RGBpx accessories

External RGBpx controllers and cables are optional accessories and can be purchased separately.

Compatible RGBpx controllers:

- D5 NEXT pump (41118)
- QUADRO fan controller (53256)
- farbwerk 360 (53279)
- farbwerk nano (53280, 53281)
- OCTO fan controller (53286)

Compatible cables and adapters:

- RGBpx connection cables (53259, 53260, 53261, 53266, 53297)



- RGBpx adapter for motherboard headers (53285)

## 5. Technical details and care instructions

### 5.1. Technical details

Compatible SSDs:	M.2 2280, M-Key, PCIe x4, height S1/S2/S3
PCIe speed:	PCIe 5.0 x4, downwards compatible with PCIe 4.0 and PCIe 3.0/3.1
RGBpx input:	5 V DC, WS2812 protocol
Dimensions:	ca. 128 x 93 x 23 mm
Ambient temperature range:	10 to 40 °C (noncondensing)

### 5.2. Care instructions

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

### 5.3. Waste disposal

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



### 5.4. Contact Aqua Computer

We are always happy to answer questions regarding our products and to receive feedback. For answers on frequently asked questions, please also check our website [www.aqua-computer.de](http://www.aqua-computer.de). You might also want to visit our forums and discuss our products with experienced moderators and thousands of members – available 24/7. To get in direct contact with our customer support team, we offer several options:

Email: [support@aqua-computer.de](mailto:support@aqua-computer.de)

Postal address: Aqua Computer GmbH & Co. KG  
Gelliehäuser Str. 1  
37130 Gleichen  
Germany

Tel: +49 (0) 5508 9749290 (9-16 h CET, German and English language)