



be quiet! BW020 Light Loop Processor Liquid Cooler Instruction Manual

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Introduction

Thank you for deciding to purchase a be quiet! product. The following instructions will guide you through the installation process. If you do encounter installation problems, please don't hesitate to contact our customer services by mailing service@bequiet.com. Please note that be quiet! cannot accept liability for damage caused by compatibility problems.

360mm



360mm White



240mm



240mm White



Product information for this CPU cooler

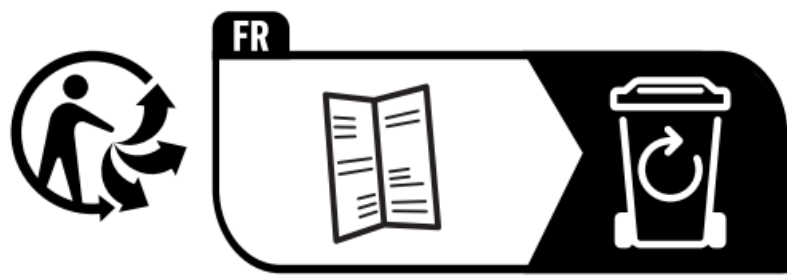
Warranty

- 3-year manufacturer guarantee for consumers (original purchase from authorized be quiet! dealers only)
- Guarantee work can only be processed with a copy included of the purchase receipt from an authorized be quiet! dealer
- Manipulation and structural changes of any kind, including any damage caused by external mechanical force, will lead to a complete voiding of the guarantee
- Our General Warranty Conditions apply, which can be viewed on [bequiet.com](https://www.bequiet.com)





We recommend preparatory mounting of the cooler outside the PC case for subsequent installation.







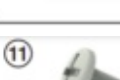

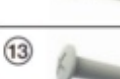







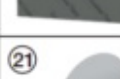
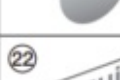
Listan GmbH · Wilhelm-Bergner-Straße 11c · 21509 Glinde

service@bequiet.com

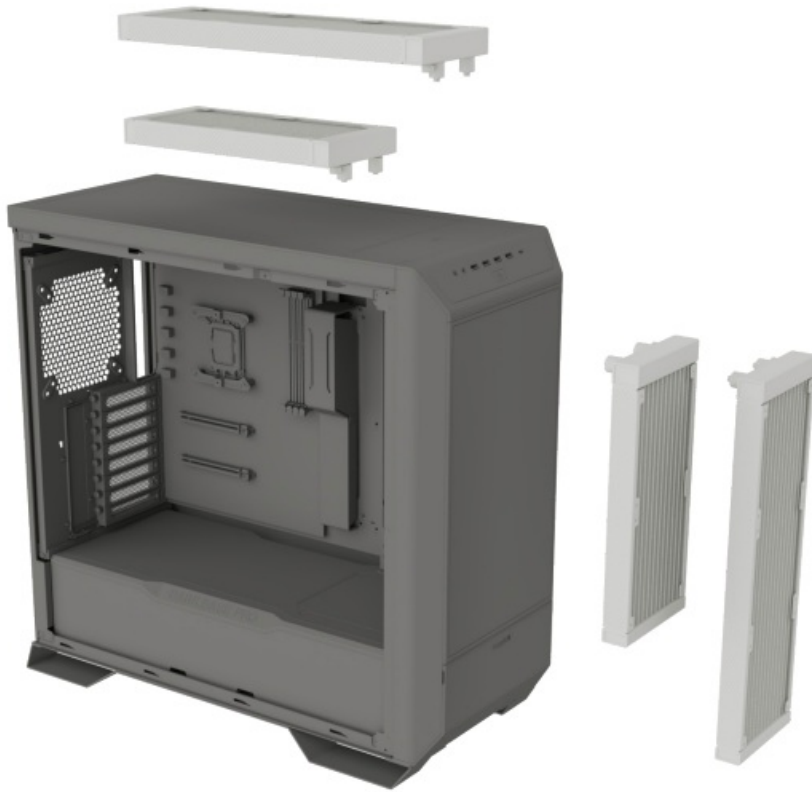


SCOPE OF DELIVERY

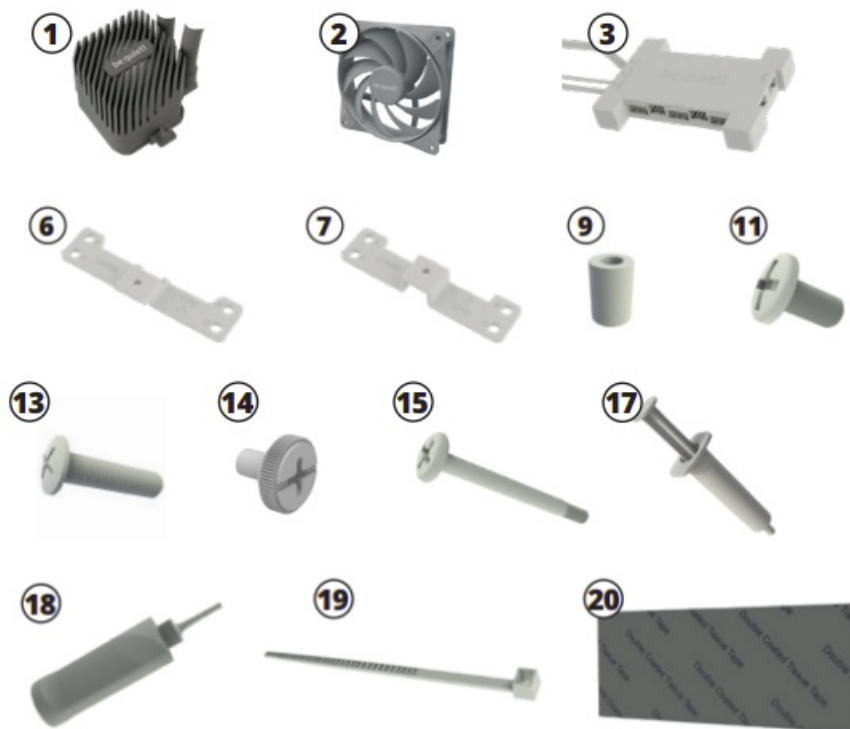
	Part name	Quantity
① 	be quiet! Light Loop CPU cooler	1
② 	Light Wings LX fan	240mm: 2 360mm: 3
③ 	ARGB-PWM-Hub	1
④ 	Intel backplate	1

	Intel mounting brackets	2
	AMD upper mounting bridge	1
	AMD lower mounting bridge	1
	Intel spacer nut A	4
	AMD Spacer nuts	4
	Mounting bracket fastening screws	4
	Radiator mounting screws	240mm: 8 360mm: 12
	Intel backplate screws	4
	AMD backplate screws	4
	Hub mounting screws	4
	Fan mounting screws	240mm: 8 360mm: 12
	O-Rings	4
	Thermal paste	1
	Bottle of coolant	1
	Small Cable Tie	3
	Double sided tissue tape	1
	Refill port sticker	2
	be quiet! logo sticker	2

RECOMMENDED INSTALLATION

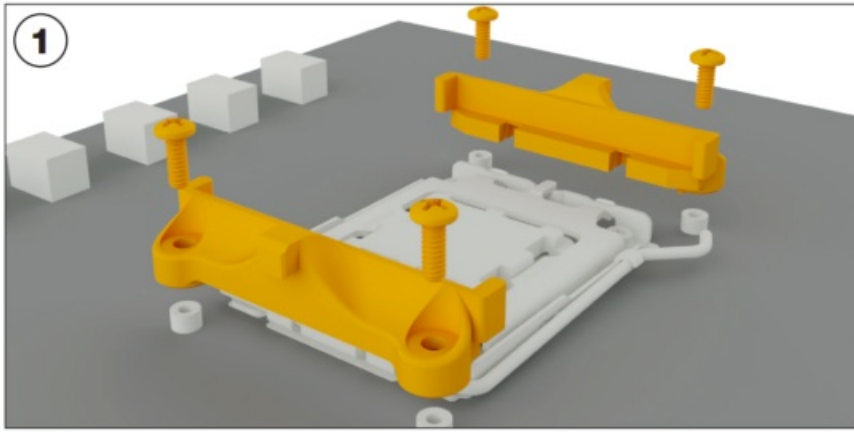


AMD: AM5 / AM4

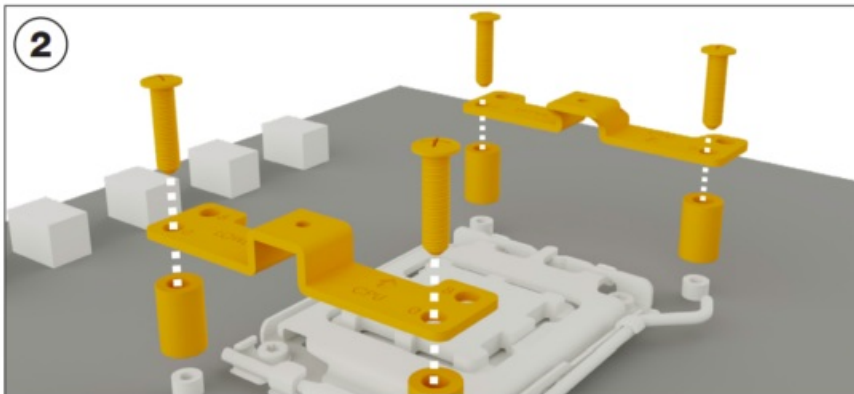


Assembly of the cooler mounting frame

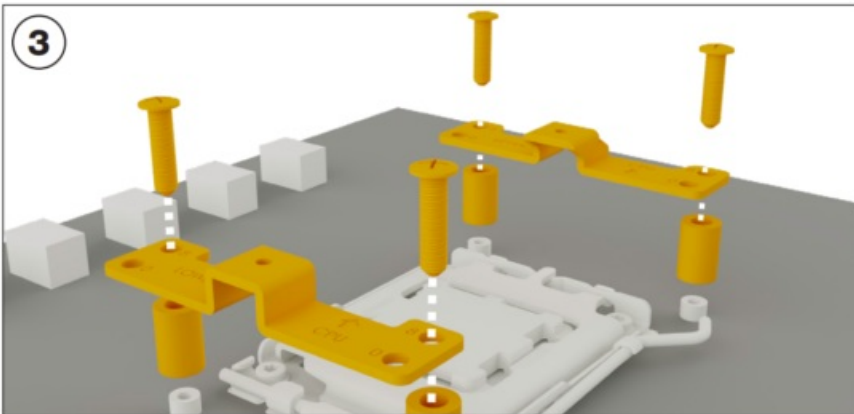
Detach both plastic holders of the AMD retention module.



Place the four AMD spacer nuts over the threads of the backplate on the front side. Choose position “0” for maximum compatibility with your motherboard. For an alternative assembly, please continue reading on the next page. Now fix both AMD mounting brackets using the AMD backplate screws.

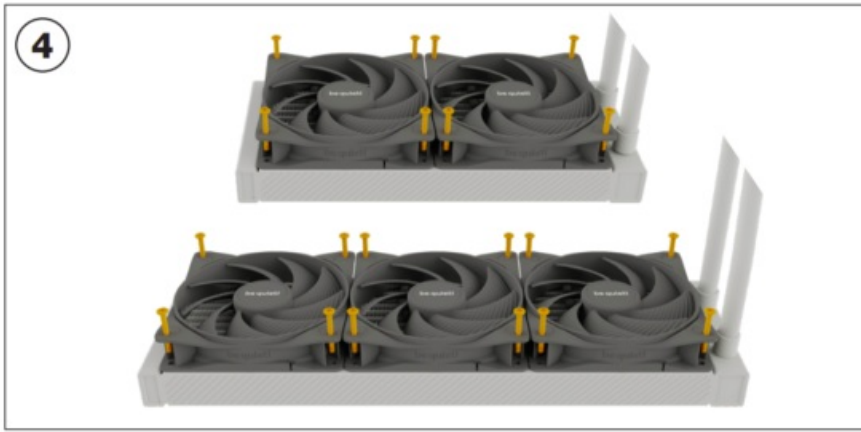


Place the four AMD spacer nuts over the threads of the backplate on the front side. Choose position “8” for maximum cooling power on your Ryzen 3000-, 5000- or 7000 processor. Now fix both AMD mounting brackets using the AMD backplate screws.



Mounting the fans on the radiator

Affix the fans to the radiator. We recommend installation in a push configuration. Next, mount the fans on the hose side. Now connect the fans to the CPU connection of the motherboard with the ARGB-PWM-Hub.



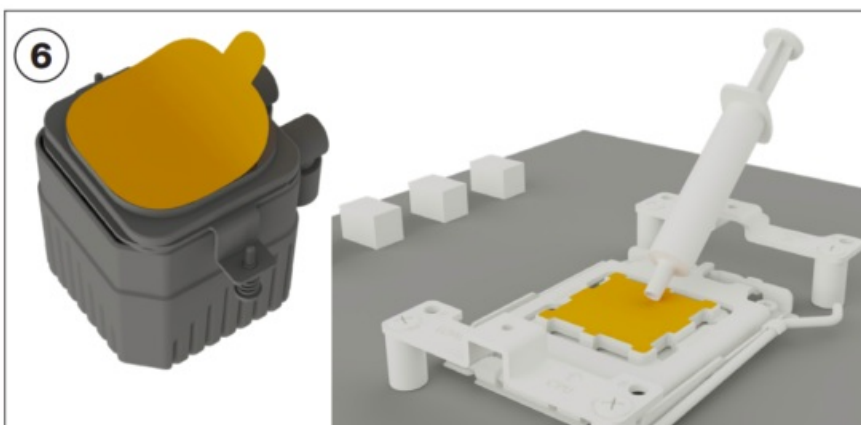
Affixing the radiator to the case

Fix the radiator with the radiator mounting screws.

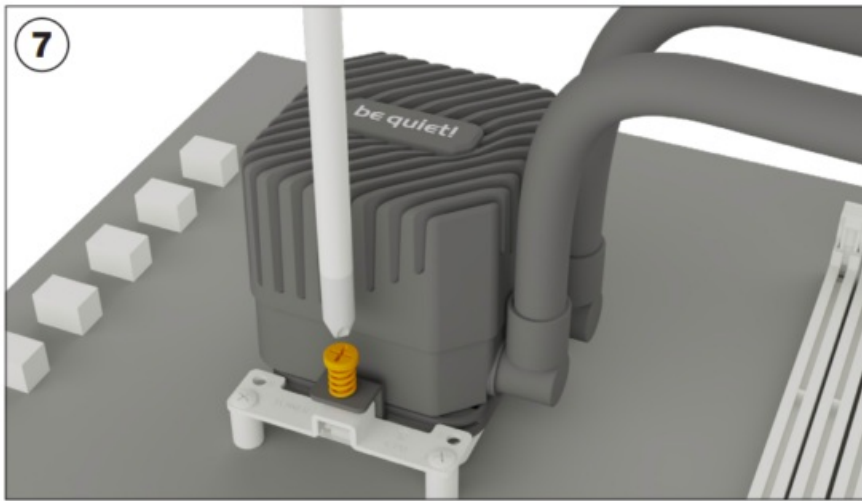


Mounting of the CPU block

First peel off the protective film from the underside of the cooler. Apply thermal paste on the CPU surface. Caution: The thermal paste supplied should not be swallowed. If any is swallowed, drink lots of water and urgently seek the advice of a doctor. Store it beyond the reach of children. Avoid contact with skin and eyes.

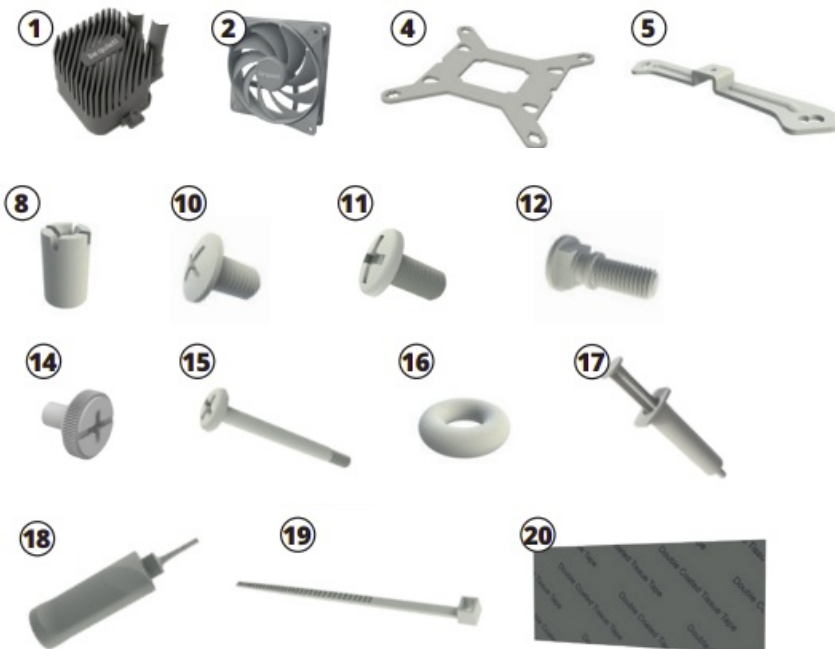


Place the CPU block centrally over the short AMD mounting brackets, such that these allow the CPU block to be screwed down. For this you can use a normal crosshead screwdriver.



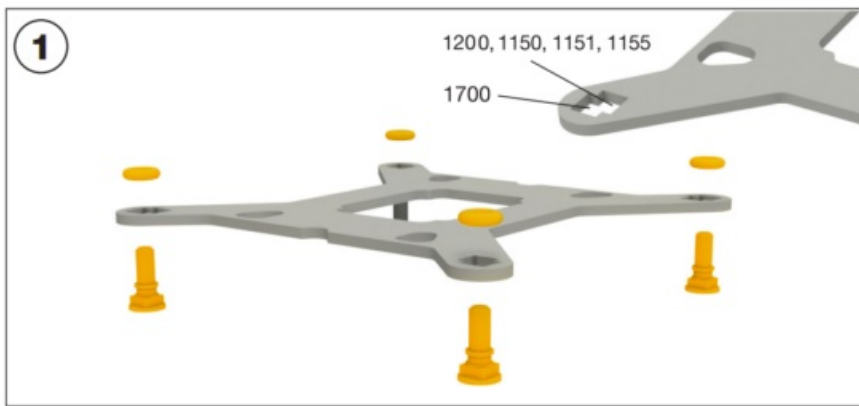
Intel LGA 1700 / 1200 / 1150 / 1151 / 1155

The following parts are needed for this



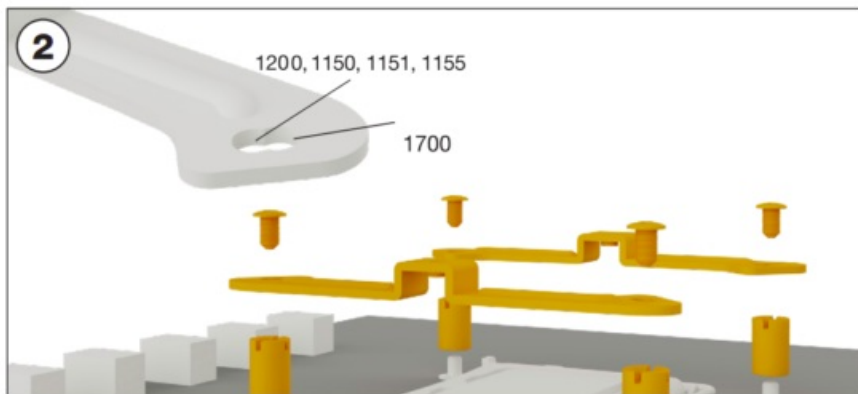
Affixing the backplate

Place the Intel backplate screws in the notches on the rear of the Intel backplate. Observe the drilled holes for the actual CPU socket. Use the O-rings to fasten the backplate screws on the Intel backplate. Once the Intel backplate is assembled, position it beneath the motherboard. Make sure that the Intel backplate screws exactly match the positions of the motherboard holes.



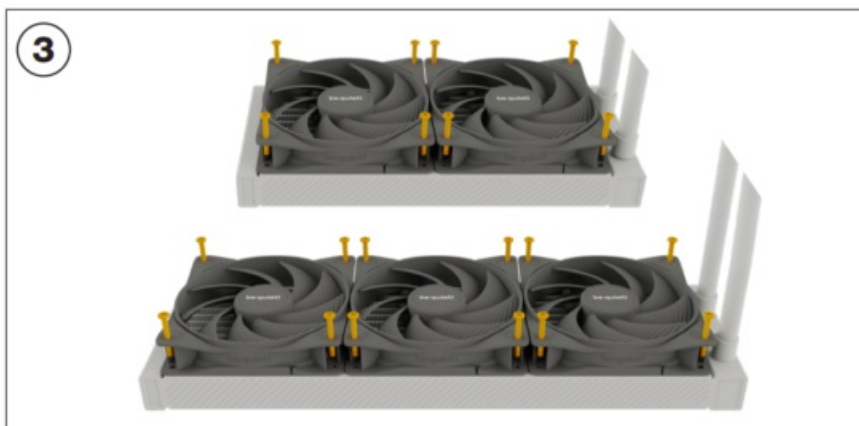
Installation of the mounting bridges

Screw the Intel spacer nut A onto the Intel backplate. Then position the Intel mounting brackets over the Intel spacer nut A and affix these with the mounting bracket fastening screws. You can use any cross-tip screwdriver for this



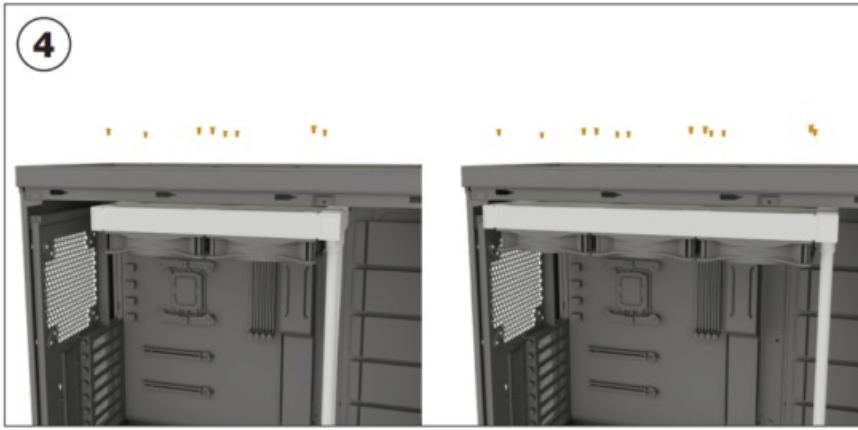
Mounting the fans on the radiator

Affix the fans to the radiator. We recommend installation in a push configuration. Next, mount the fans on the hose side. Now connect the fans to the CPU connection of the motherboard with the ARGB-PWM-Hub.



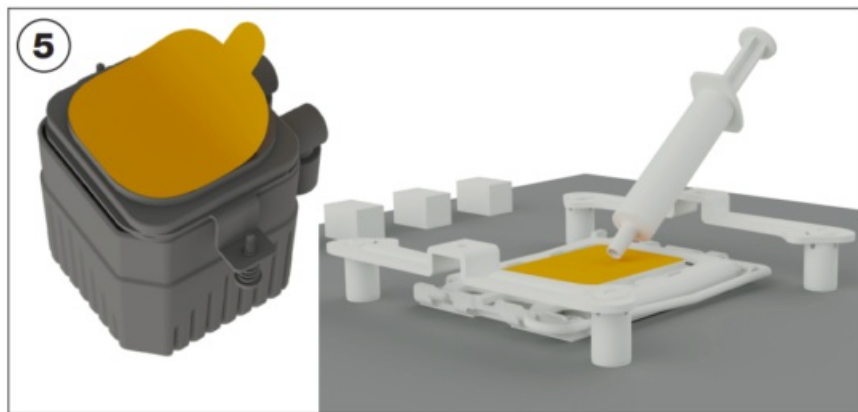
Affixing the radiator to the case

Fix the radiator with the radiator mounting screws.

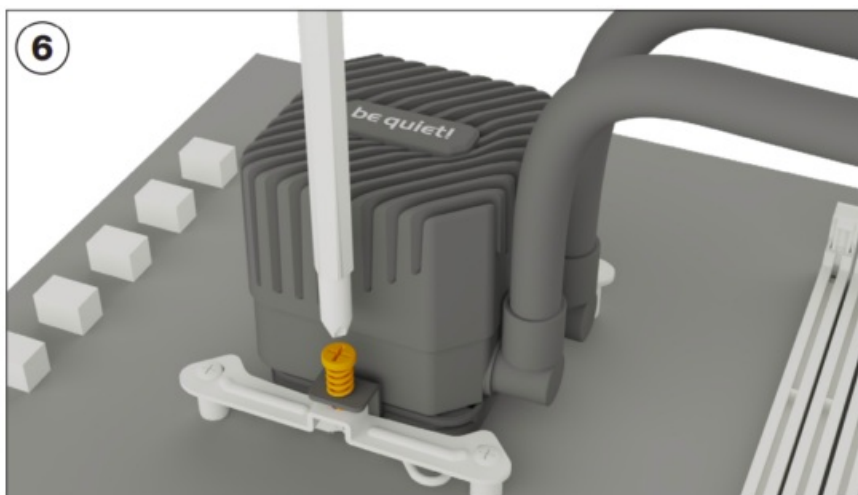


Mounting of the CPU block

First peel off the protective film from the underside of the cooler. Apply thermal paste on the CPU surface. Caution: The thermal paste supplied should not be swallowed. If any is swallowed, drink lots of water and urgently seek the advice of a doctor. Store it beyond the reach of children. Avoid contact with skin and eyes.



Place the CPU block centrally over the Intel mounting brackets, such that these allow the CPU block to be screwed down. For this you can use a normal crosshead screwdriver.



Affixing the ARGB-PWM-Hub to the case

Mount the ARGB-PWM-Hub with the Hub mounting screws or the double sided tissue tape on a suitable position in your PC case. We recommend either the rear of the mainboard tray or a 2.5" HDD slot. Next, connect the 5V ARGB pin and the PWM pin with the mainboard. Then connect the SATA connector with the PSU.

Now connect the ARGB connector and the PWM connector of the fans with the ARGB-PWM-Hub. The connector marked RPM carries the rpm signal of the connected device to the Mainboard fan header.

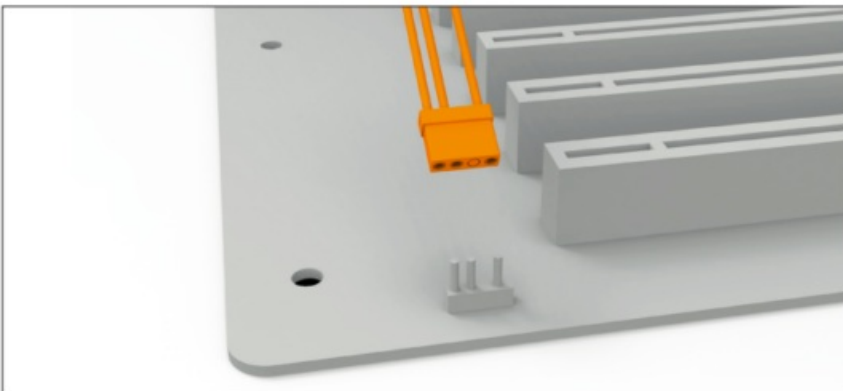


ILLUMINATION

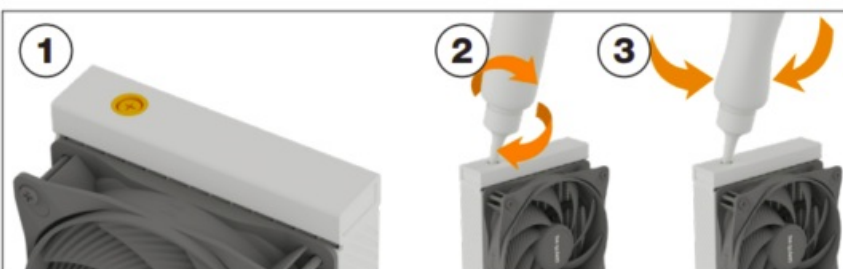
Synchronization of ARGB illumination with the motherboard

Light Loop enables you to synchronize the ARGB illumination of up to 6 ARGB devices with the motherboard by the ARGBPWM-Hub. The ARGB illumination is being controlled by the motherboard software.

Warning: The ARGB connector may only be connected to a 5V ARGB header.



REFILLING THE SYSTEM



Remove the sealing sticker prior to refilling the system.

Topup the system after two years of use.

TROUBLESHOOTING



LIMITED WARRANTY

APPLICABILITY

This non-transferable warranty is applicable to newly purchased, previously unopened be quiet! products and is enforceable by only the original consumer purchaser. Proof of purchase is required for warranty service, so should be retained. be quiet! does not provide warranty registration services.

WARRANTY PERIOD

For eligible products, parts and labor are warranted for the applicable warranty period from the date of purchase. The applicable warranty period varies by product model, and is identified in your user documentation, on the product package, or as listed below. Should any of these warranty periods differ, the longest specified warranty period will apply. Replaced products will be warranted for the remainder of the original warranty period or thirty days, whichever is longer.

EXCLUSIONS

The following are not covered by the warranty:

1. Normal wear and tear.
2. Any product which has been modified without permission from be quiet!, or on which the serial number or warranty sticker has been defaced, modified, or removed.
3. Damage, deterioration or malfunction resulting from: Accident, abuse, misuse or improper use, neglect, connection to an improper voltage source, unauthorized product modification, or failure to follow instructions included with the product. Fire, water, lightning, or other acts of nature. Repair or attempted repair by anyone not authorized by be quiet!. Shipping or transport damage (claims must be made with the carrier). Any other cause which does not relate to a defect in materials or manufacturing workmanship.
4. Cartons, cases, batteries, cabinets, tapes, accessories or other consumables used with this product.
5. be quiet!, Inc. does not warrant that this product will meet your requirements. It is your responsibility to determine the suitability of this product for your purpose.
6. Removal or installation charges.
7. Shipping charges.

8. Any incidental charges.

EXCLUSION OF DAMAGES

be quiet!'s sole obligation and liability under this warranty is limited to the repair or replacement of a defective product at its option. be quiet! shall not, in any event, be liable for any special, incidental, indirect, or consequential damages whatsoever, including but not limited to loss of profits, revenue, or data (whether direct or indirect), damages resulting from interruption of service and loss of business, or for liability in tort relating to this product or resulting from its use or possession, even if be quiet! has been advised previously of the possibility of such damages.

LIMITATIONS OF IMPLIED WARRANTIES

There are no other warranties, expressed or implied, including but not limited to those of merchantability or fitness for a particular purpose. The duration of implied warranties is limited to the warranty length specified in Paragraph II

LOCAL LAW AND YOUR WARRANTY

This warranty gives you specific legal rights. You may also have other rights granted under local law. These rights may vary.

NO OTHER WARRANTY

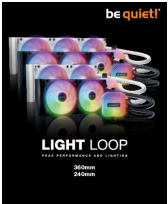
No be quiet! employee, dealer, or other agent is authorized to make any modification, extension, or addition to this warranty

TO OBTAIN TECHNICAL SUPPORT OR WARRANTY SERVICE

Please see your product owner's manual or visit the Online Support section at www.bequiet.com

bequiet.com

Documents / Resources

	<p>be quiet! BW020 Light Loop Processor Liquid Cooler [pdf] Instruction Manual BW020, BW021, BW022, BW023, BW020 Light Loop Processor Liquid Cooler, BW020, Light Lo op Processor Liquid Cooler, Loop Processor Liquid Cooler, Processor Liquid Cooler, Liquid Cooler, Cooler</p>
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References

- [be quiet! - Silent PSUs, cases and PC cooling products. PSU calculator and cooler check for your PC](#)
- [be quiet! - Silent PSUs, cases and PC cooling products. PSU calculator and cooler check for your PC](#)
- [be quiet! - Leise Netzteile, Gehäuse und PC Kühlungsprodukte. PSU Kalkulator und Kühler Check für](#)

[Ihren PC](#)

- [!\[\]\(849840539e55921a3851a4ff96d7400d_img.jpg\) be quiet! - Leise Netzteile, Gehäuse und PC Kühlungsprodukte. PSU Kalkulator und Kühler Check für Ihren PC](#)
- [!\[\]\(c176e0b06f6c5dd85a4598b214d1ebba_img.jpg\) be quiet! - Leise Netzteile, Gehäuse und PC Kühlungsprodukte. PSU Kalkulator und Kühler Check für Ihren PC](#)
- [!\[\]\(66a18e26647fc145bd9198dd182dd107_img.jpg\) be quiet! - Leise Netzteile, Gehäuse und PC Kühlungsprodukte. PSU Kalkulator und Kühler Check für Ihren PC](#)
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