

Noctua NH-U12P SE1366 Installation Manual

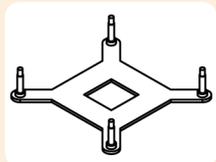
Thank you very much for choosing a Noctua cooler. This manual will guide you through the installation process step by step.

Prior to installing the cooler, please consult the compatibility list on our website and verify that the cooler is fully compatible with your motherboard.

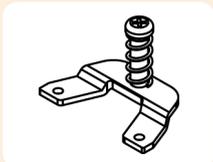
Should you encounter any difficulties, please check the FAQs on our website and don't hesitate to contact our support team at support@noctua.at. Noctua cannot be held responsible for any damage or losses caused by compatibility issues.

Multilingual versions of this manual are available on our website: www.noctua.at

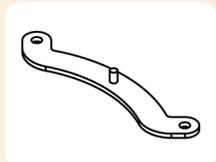
Required mounting parts:



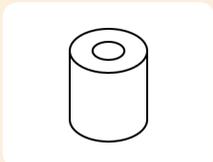
1x socket 1366 backplate



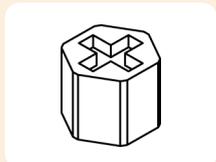
2x fastening brackets



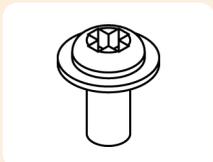
2x mounting bars



4x plastic spacers



4x thumbscrews



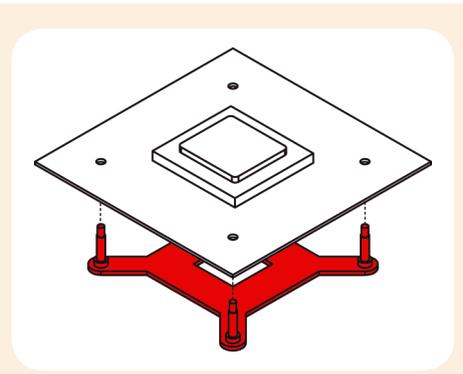
4x short screws

Step 1: Removing the mainboard

In case you want to use the cooler on an assembled system, you first have to remove the mainboard from the case as the cooler has to be screwed to the backplate on the back of the mainboard.

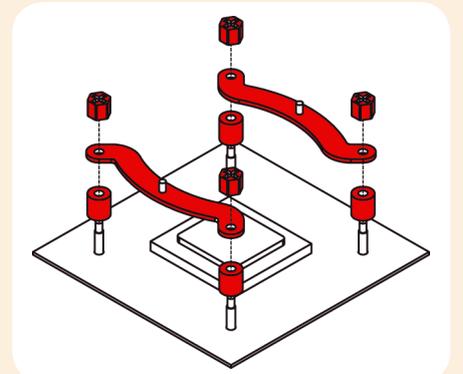
Step 2: Attaching the backplate

Place the backplate on the back side of the mainboard so that the screw threads stick through the mounting holes.

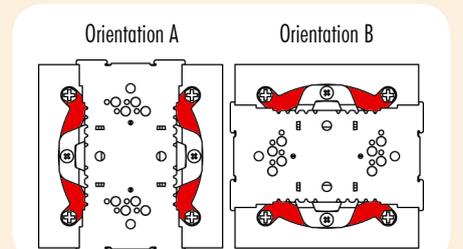


Step 3: Installing the mounting bars

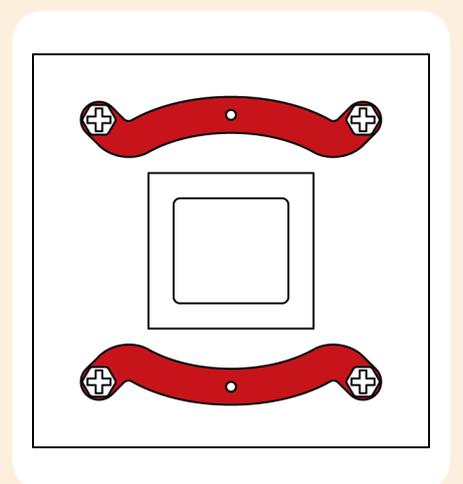
First put the spacers onto the screw sockets of the backplate. Then fix the mounting bars using the 4 thumb screws.



Choose the alignment of the mounting bars according to the desired final orientation of the cooler:

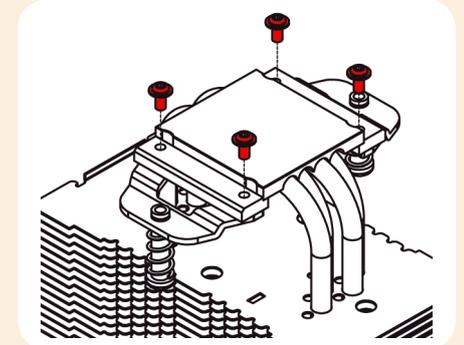


Caution: Make sure that the curved sides of the mounting bars are pointing outwards.



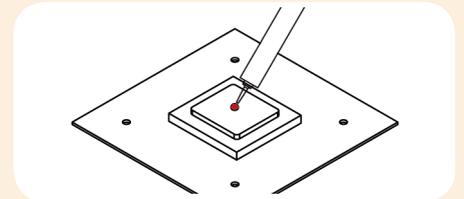
Step 4: Attaching the fastening brackets to the heatsink

Tightly screw the fastening brackets to the base of the heatsink using 4 short screws.



Step 5: Applying thermal paste

If there are residual traces of thermal paste or thermal pads on your CPU, please clean them off first. Then press a small drop (4-5mm diameter) of NT-H1 onto the centre of the heat-spreader.

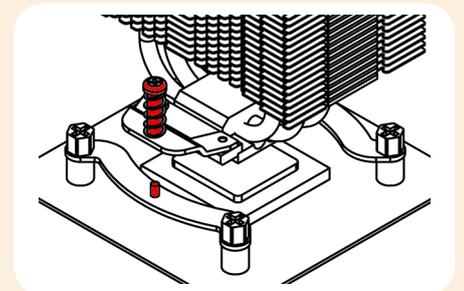


Caution: Applying too much thermal paste will lower the heat conductivity and cooling performance!

Step 6: Fastening the heatsink to the CPU

Caution: Please take off the protection cover at the bottom side of the heatsink first!

Put the heatsink onto the CPU and screw it to the screw threads of the mounting bars.

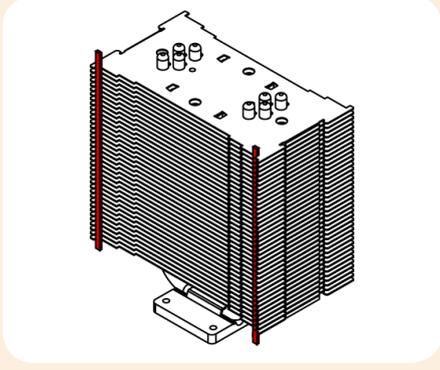


Caution: Tighten the screws until they stop.

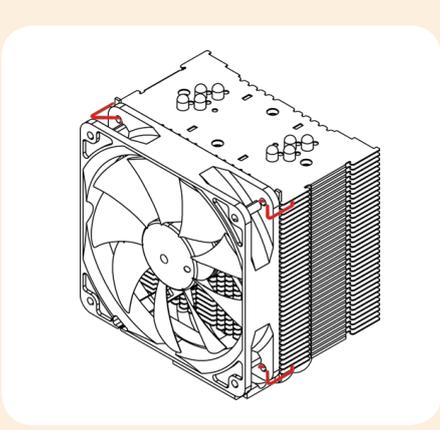
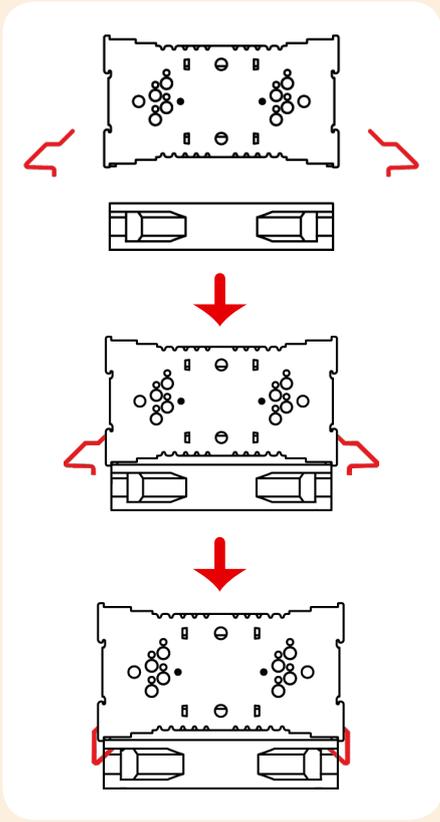


Step 7:
Attaching the fan

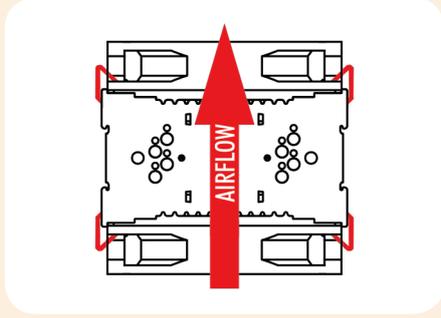
First stick the 2 anti-vibration strips onto the cooling fins in order to dampen minor vibrations emitted by the fan.



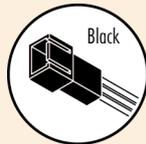
Then attach the fan to the heatsink using the 2 steel clips, placing it so that it blows onto the heatsink.



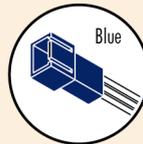
Add the second NF-P12 fan sucking air off the rear side of the heatsink for extra performance (average gains 1-3°C).



Connect the fan(s) to the mainboard, power supply or fan controller. Depending on your CPU and the temperature inside the case, you may interconnect the supplied Low-Noise Adapter (L.N.A.) or Ultra-Low-Noise Adapter (U.L.N.A.) in order to further reduce the fan's operating noise.

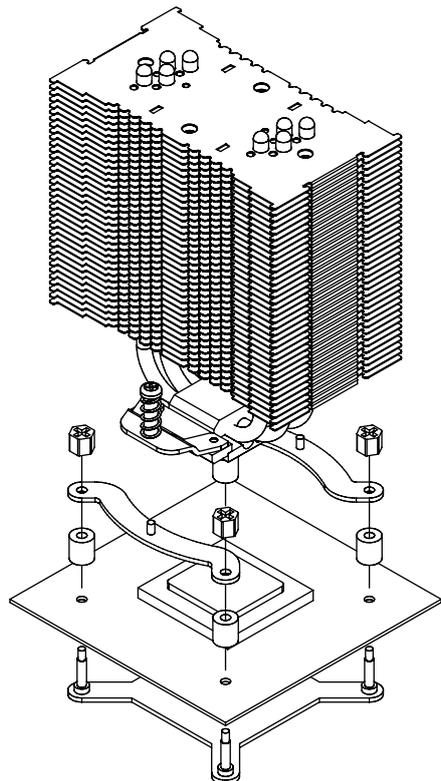


Low-Noise Adapter (L.N.A.)
1100 RPM, 16.9 dB(A)



Ultra-Low-Noise Adapter (U.L.N.A.)
900 RPM, 12.6 dB(A)

Caution: When using the (U.)L.N.A., check the temperature of your CPU using appropriate software (e.g. the respective applications of your mainboard manufacturer), in order to evade automatic throttling of the CPU due to the increased temperature. If the cooling performance is insufficient, please increase case ventilation or remove the (U.)L.N.A.



Warranty

Even with high-grade products and strict quality control, the possibility of defects cannot be eliminated entirely. Therefore, we aim at providing the highest possible level of dependability and convenience by offering a warranty period of 72 months and direct, fast and straightforward RMA service.

In case of warranty, you can either request RMA at your retailer or use our Direct RMA Service. For further information, please consult www.noctua.at. In order to process your RMA enquiry, we need a proof of purchase, so please don't forget to keep your invoice!

Please also note that any modifications to the cooler, fan or mounting parts will void your warranty.

Support & FAQs

For all enquiries concerning your Noctua cooler, both your retailer and the international Noctua support team at support@noctua.at are at your service.

Please also consult the FAQ section on our website www.noctua.at.