



## ! AMD (AM4 & AM5)


Dear customer,

Congratulations on choosing the Noctua NH-L9x65 SE-AM4.

Having received more than 100 awards and recommendations from international hardware websites and magazines, our compact NH-L9x65 has become a standard choice among 65mm tall low-profile coolers. The SE-AM4 version is a dedicated special edition for AMD's AM4/AM5 platform featuring the latest SecuFirm2™ mounting system for AM4/AM5.

Enjoy your NH-L9x65 SE-AM4!

Yours sincerely,

  
Roland Mossig, Noctua CEO

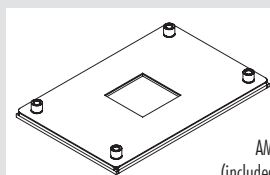
This manual will guide you through the installation process of the SecuFirm2™ mounting system step by step.

Prior to installing the cooler, please consult the compatibility list on our website ([www.noctua.at/compatibility](http://www.noctua.at/compatibility)) and verify that the cooler is fully compatible with your motherboard. Please also make sure that your PC case offers sufficient clearance for the cooler and that there are no compatibility issues with any other components (e.g. tall RAM modules). Double check that the heatsink and fan clips do not make contact with the VGA card or other PCIe cards. Noctua cannot be held responsible for any damage or losses caused by compatibility issues.

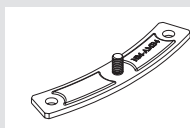
Should you encounter any difficulties, please check the FAQs on our website ([www.noctua.at/faqs](http://www.noctua.at/faqs)) and don't hesitate to contact our support team at [support@noctua.at](mailto:support@noctua.at).

Multilingual versions of this manual are available on our website: [www.noctua.at/manuals](http://www.noctua.at/manuals)

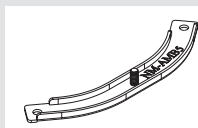
### Required mounting parts:



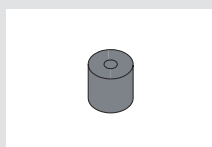
AMD stock backplate  
(included with the motherboard)



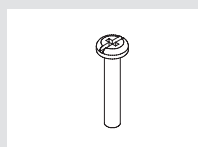
2x NM-AMB4 mounting bars



2x NM-AMB5 mounting bars



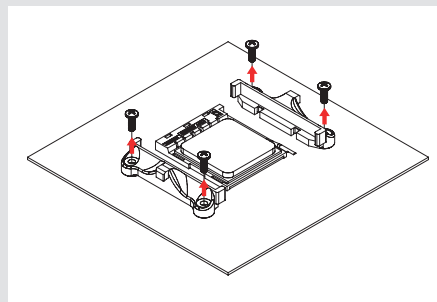
4x NM-APS4  
grey plastic spacers



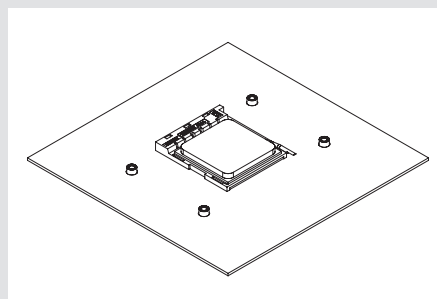
4x NM-ALS1  
long screws

## 1 Removing the stock retention module — putting the backplate in place

First remove the motherboard's stock CPU cooler retention module by unscrewing it from the backplate. The SecuFirm2™ mounting system will install directly to the stock backplate, so please keep it in place.



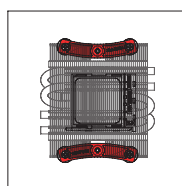
If your motherboard does not include a stock backplate, please contact Noctua customer support at [support@noctua.at](mailto:support@noctua.at).



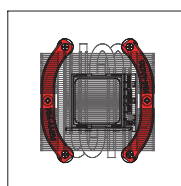
## 2 Attaching the mounting bars

Choose either the short NM-AMB4 or the long NM-AMB5 mounting bars according to the desired final orientation of the cooler.

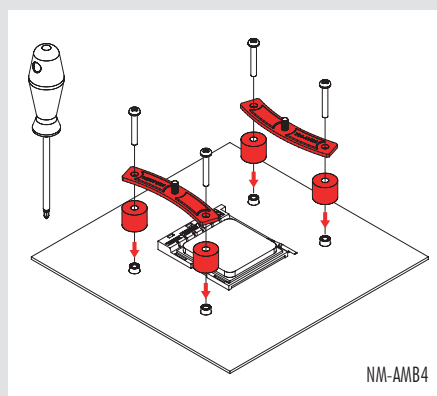
Orientation NM-AMB4



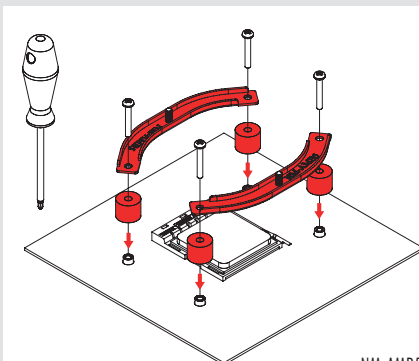
Orientation NM-AMB5



First put the NM-APS4 plastic spacers onto the screw threads of the backplate, then fix the mounting bars using the four long screws.



NM-AMB4

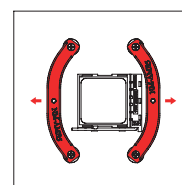
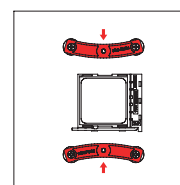


NM-AMB5

For the short NM-AMB4 mounting bars, make sure that the curved sides are pointing inwards. For the long NM-AMB5 mounting bars, make sure that the curved sides are pointing outwards.

NM-AMB4 mounting bars

NM-AMB5 mounting bars



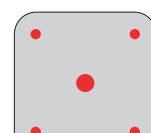
**Caution:** Gently tighten the screws until they stop, but don't use excessive force (max. torque 0.6 Nm).

Please note that on some motherboards, the long NM-AMB5 mounting bars may not fit due to making contact with components on the motherboard. In such cases, the cooler can be installed with the short NM-AMB4 mounting bars only.

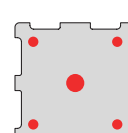
## 3 Applying the thermal paste

If there are residual traces of thermal paste or thermal pads on your CPU, please clean them off first.

Apply 5 small dots; 4 small dots with ~2mm diameter near the corners plus 1 dot with 3-4mm diameter in the centre:



AM4



AM5

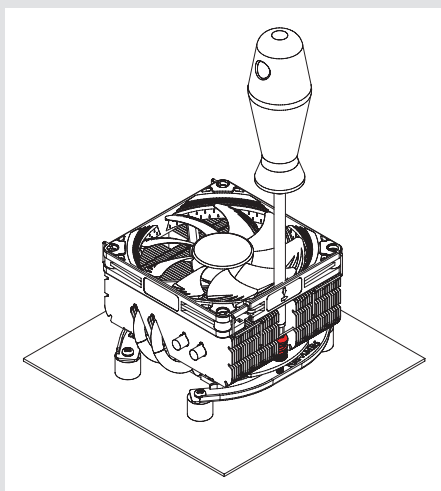
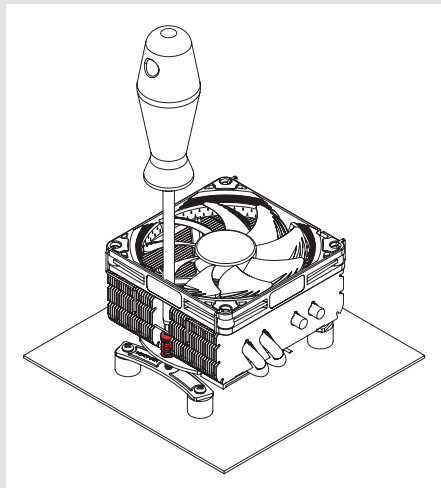
**Caution:** Applying too much thermal paste will lower heat conductivity and cooling performance!



## 4 Fastening the heatsink to the CPU

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

Then put the heatsink onto the CPU and screw it to the screw threads of the mounting bars. Note that you can reach through the blades of the fan using the supplied screw driver. There is thus no need to take off the fan for installation.



Connect the fan to the motherboard CPU fan header. Depending on your CPU and the temperature inside the case, you may interconnect the supplied NA-RC7 Low-Noise Adaptors (L.N.A.) in order to further reduce the fans' operating noise.

**Caution:** When using the L.N.A., check the temperature of your CPU using appropriate software (e.g. the respective applications of your motherboard 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 L.N.A.

## ! Warranty, support and FAQs

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 reliability and convenience by offering a warranty period of 6 years and direct, fast and straightforward RMA service.

Should you encounter any problems with your NH-L9x65 SE-AM4, please don't hesitate to contact our support team ([support@noctua.at](mailto:support@noctua.at)).

Please also consult the FAQ section on our website:  
[www.noctua.at/faqs](http://www.noctua.at/faqs)