



Dear customer,

Congratulations on choosing the Noctua NH-C14S. Succeeding the award-winning NH-C14, the NH-C14S is an elite class top-flow CPU cooler that is extremely efficient, highly compatible and remarkably adjustable – a top-flow solution for the highest demands.

Enjoy your NH-C14S!

Yours sincerely,

Roland Mossig, Noctua CEO

This manual will guide you through the installation process of the SecuFirm<sup>2</sup>™ mounting system step by step.

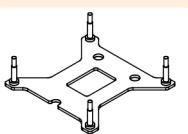
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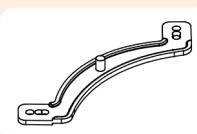
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#### Required mounting parts:



1x NM-IBP2 Backplate



2x NM-IMB2 Mounting Bars



4x NM-IPS1 Spacers

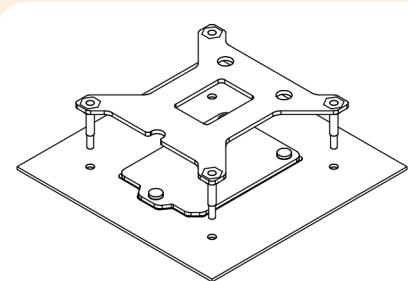


4x NM-ITS1 Thumbscrews

#### Step 1 Removing the mainboard

In case you want to use the cooler on an assembled system and your case doesn't have a cut-out at the rear side of the mainboard tray, you first have to remove the mainboard from the case in order to be able to install the supplied backplate.

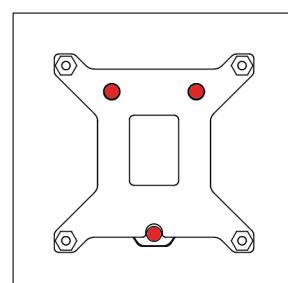
#### Step 2 Attaching the backplate



**Caution:** The supplied backplate will install over the mainboard's stock backplate, so the mainboard's stock backplate must not be taken off.

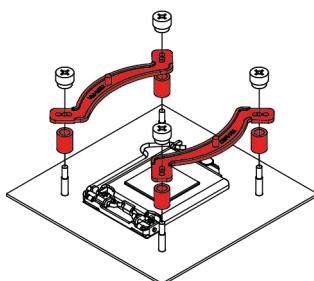
Place the backplate on the rear side of the mainboard so that the bolts stick through the mounting holes.

**Caution:** Please make sure that the three cut-outs in the supplied backplate align with the screws of the mainboard's stock backplate.



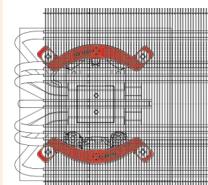
#### Step 3 Installing the mounting bars

First put the plastic spacers onto the bolts of the backplate, then add the mounting bars.

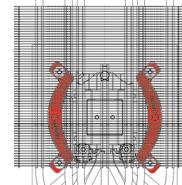


**Caution:** Choose the alignment of the mounting bars according to the desired final orientation of the cooler:

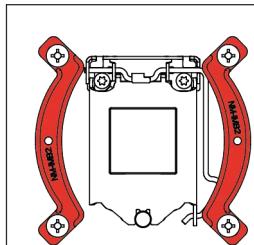
Orientation A



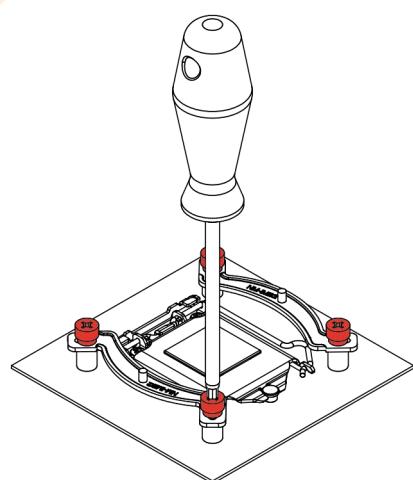
Orientation B



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



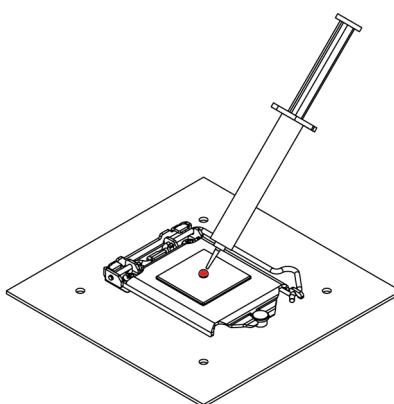
Fix the mounting bars using the 4 thumb screws.



**Caution:** Gently tighten the screws until they stop, but don't use excessive force.

#### Step 4 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 heatspreader.



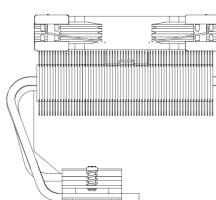
Caution: Applying too much thermal paste will lower heat conductivity and cooling performance!

#### Step 5

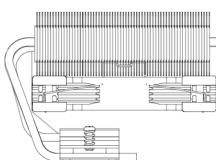
### Fan Configuration

The NH-C14S ships with the fan installed underneath the fins (low profile mode). Alternatively, you can take off the fan and install it on top of the fins to make more room for tall RAM or other components (high clearance mode). Note that the NH-C14S will provide best performance to noise efficiency in high clearance mode.

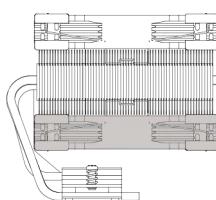
You may also add a second NF-A14 fan (optional) using the supplied extra set of fan clips in order to create a dual fan configuration for further improved performance.



High Clearance Mode



Low Profile Mode

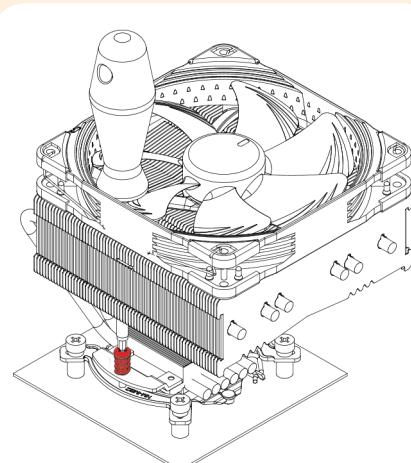


Dual Fan Mode (optional)

#### Step 6 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(s) using the supplied screw driver. There is thus no need to take off the fan(s) for installation.



Caution: Tighten the screws until they stop.

#### Step 7 Fan Setup

Connect the fan to the mainboard's CPU fan header.

Depending on your CPU and the temperature inside the case, you may interconnect the supplied NA-RC7 Low-Noise Adapter (L.N.A.) in order to further reduce the fan's 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 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 L.N.A.

#### Adding a second fan

The NH-C14S includes an extra set of fan clips for installing a second NF-A14 fan in push/pull mode in order to further improve cooling performance.

The y-cable supplied with the retail NF-A14 PWM fan can be used to control the speed of both fans via the same mainboard fan header.

For best performance to noise efficiency in dual fan mode, Noctua recommends to run the top fan at 1200rpm or lower (using the supplied Low-Noise Adaptor).

### Should I take the cooler off before transporting my system?

As it is not possible to reliably calculate or control the forces that act upon a system during transport (e.g. in shipping), we generally recommend, for safety reasons, taking the cooler off. Noctua cannot be held responsible for any damage that may arise due to excessive stress during transport if you keep the heatsink installed.

### Warranty, Support and FAQs

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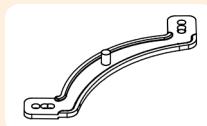
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#### Required mounting parts:



2x NM-IMB2 Mounting Bars



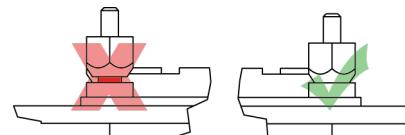
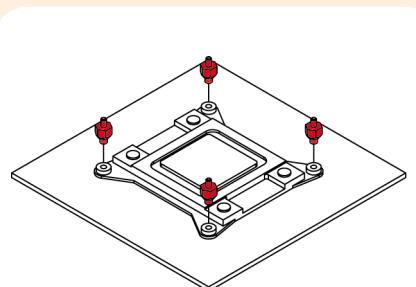
NM-IBT2 Bolts



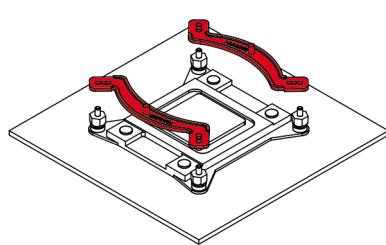
4x NM-ITS1 Thumbscrews

#### Step 1 Installing the mounting bars

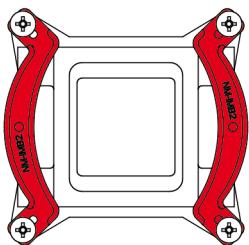
First screw the NM-IBT2 bolts into the screw threads of the LGA2011 socket frame.



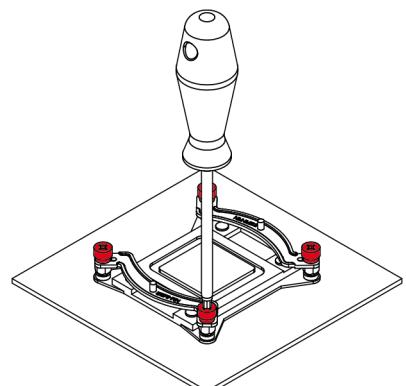
Then put the NM-IMB2 mounting-bars onto the bolts.



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



Fix the mounting bars using the 4 thumb screws.

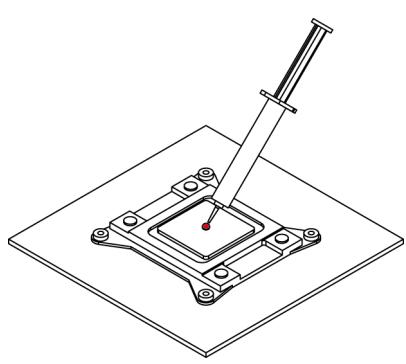
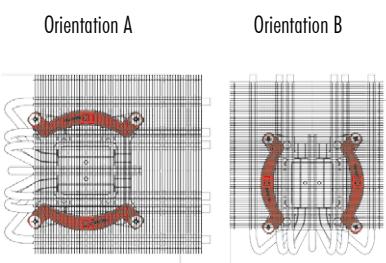


**Caution:** Gently tighten the screws until they stop, but don't use excessive force.

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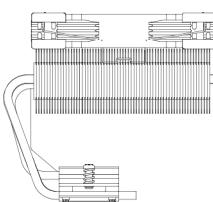


## Step 3

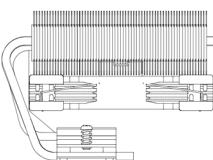
## Fan Configuration

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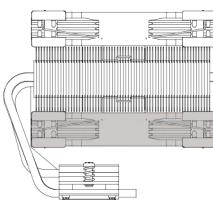
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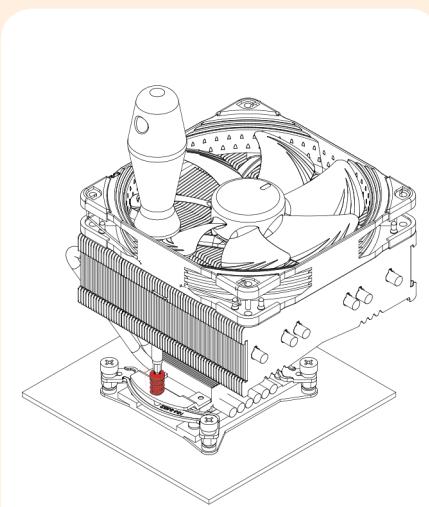
High Clearance Mode



Low Profile Mode



Dual Fan Mode (optional)



**Caution:** Tighten the screws until they stop.

Step 5  
Fan Setup

Connect the fan to the mainboard's CPU fan header.

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

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Adding a second fan

The NH-C14S includes an extra set of fan clips for installing a second NF-A14 fan in push/pull mode in order to further improve cooling performance.

The y-cable supplied with the retail NF-A14 PWM fan can be used to control the speed of both fans via the same mainboard fan header.

For best performance to noise efficiency in dual fan mode, Noctua recommends to run the top fan at 1200rpm or lower (using the supplied Low-Noise Adaptor).

## Step 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(s) using the supplied screw driver. There is thus no need to take off the fan(s) for installation.

## Should I take the cooler off before transporting my system?

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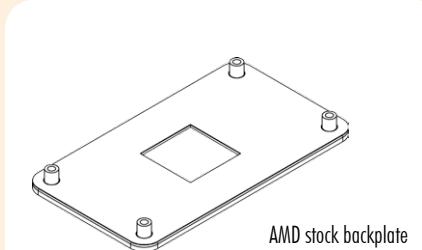
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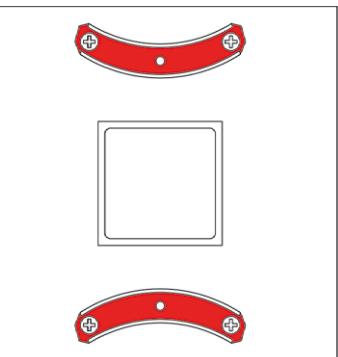
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Roland Mossig, Noctua CEO

**Caution:** The SecuFirm2™ mounting system requires a backplate, which is preinstalled on most AMD mainboards. If your mainboard doesn't have a backplate, please contact our support team at [support@noctua.at](mailto:support@noctua.at).

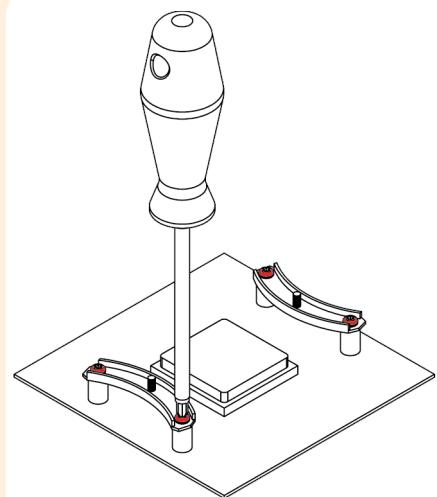


**Caution:** Make sure that the curved sides of the mounting bars are pointing outwards.



### Step 1 Removing the retention module

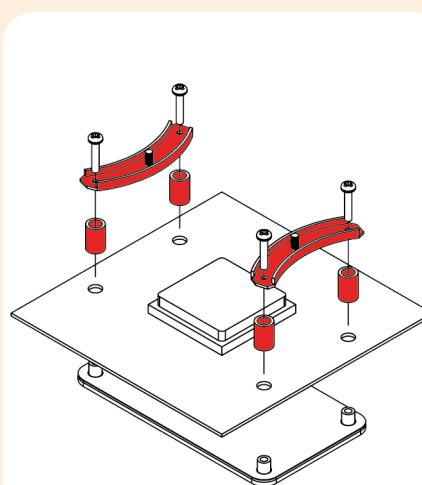
If your mainboard uses a retention module for CPU cooler installation, please remove it first. The SecuFirm2™ mounting system will install directly to your mainboard's stock backplate on the rear side of the socket.



### Step 2 Attaching the mounting bars

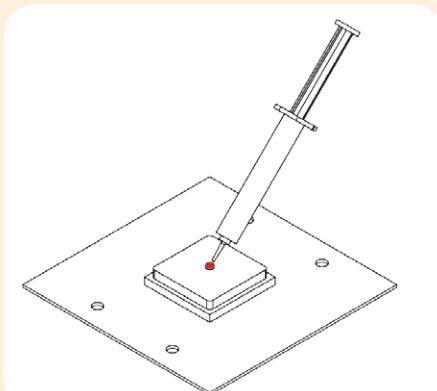
First put the plastic spacers onto the screw threads, then fix the mounting bars using the 4 long screws.

**Caution:** Tighten the screws until they stop.



### Step 3 Applying thermal paste

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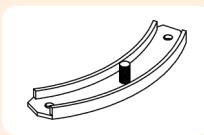
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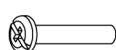
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### Required mounting parts:



2x NM-AMB1 Mounting Bars



4x NM-ALS1 Screws



4x NM-APS1 Plastic Spacers

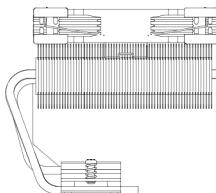


## Step 4

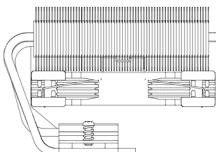
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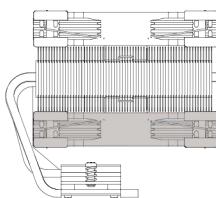
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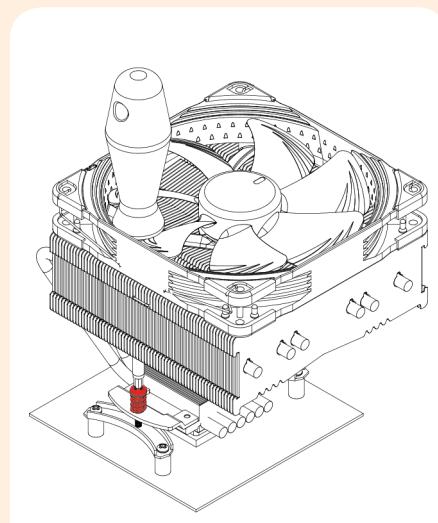
High Clearance Mode



Low Profile Mode



Dual Fan Mode (optional)



Caution: Tighten the screws until they stop.

Step 6  
Fan Setup

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