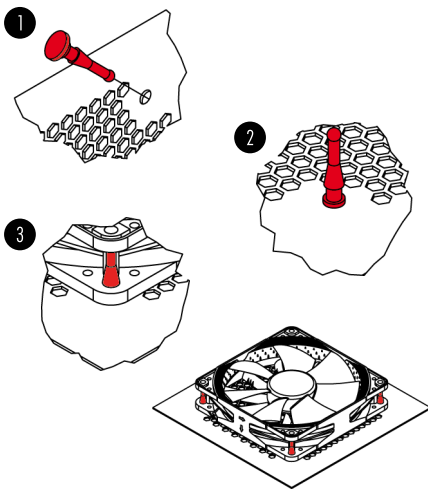


**Caution:** Being a 5V fan, the NF-A6x25 5V PWM can not be run at 12V and will be damaged when used with typical 12V power sources such as PC mainboard fan headers.

## Installation

If you replace an existing 60mm fan with the NF-A6x25 in devices such as storage or network solutions, it is usually best to use the screws (or other mounting mechanism) used for the original fan.

When installing the NF-A6x25 as a case fan, you can either use the supplied mounting screws or silicone anti-vibration mounts. In order to install the fan using the silicone mounts, please first pull the silicone mounts through the mounting holes of the case. Then put the fan onto the silicone mounts and pull them through the mounting holes of the fan:



## Cleaning and Maintenance

Fans inside computer cases tend to accumulate dust over longer periods of usage. In order to maintain maximum performance, please clean your fans regularly using a duster, slightly moist tissue or canned air. Please be careful not to use too much force in order to prevent any damage to the fan. Please don't use a vacuum cleaner as this may apply excessive force to the fan. In order to ensure flawless operation over many years of usage, the NF-A6x25's premium grade SSO2 bearing is fully sealed to prevent the entering of fine dust particles. Please note that the fan is not designed to be taken apart by the user. Removing the impeller from the frame will break the sealing of the bearing and results in a loss of warranty.

## Connection

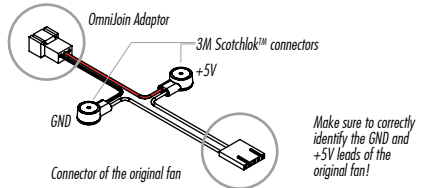
The NF-A6x25 5V PWM features a standard 4-pin PWM fan connector. However, please note that the fan can also be connected to standard 3-pin fan headers. When connected to 3-pin fan headers, the NF-A6x25 5V PWM will run at full speed (no PWM control). If you would like to connect the fan to a 2-pin fan header, please use the supplied OmniJoin adaptor set as described below. Note that the NF-A6x25 5V PWM features an integrated polarity protection so there's no risk of damaging the fan due to reversed polarity. However, the fan will not work when it is connected the wrong way around, so please make sure that it is connected correctly when using 2-pin connections.

If you're using multiple NF-A6x25 5V PWM fans, you can use the supplied y-cable (NA-YC1) to connect several fans to one PWM fan header. The NF-A6x25 5V PWM features a short 20cm primary cable in order to help you minimise cable clutter in typical applications. If you need a longer cable, please add the supplied 30cm extension (NA-ECT).

## Using the OmniJoin adaptor set

The supplied OmniJoin adaptor set allows you to easily connect the NF-A6x25 to proprietary fan headers if you want to replace a 60mm fan in devices such as network or storage solutions.

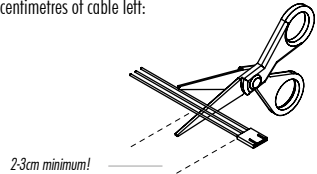
Please first identify the individual leads of the OmniJoin adaptor and the original fan. The OmniJoin adaptor uses black for ground (GND) and red for +5V. The black lead of the adaptor has to be matched with the original GND lead and the red adaptor cable with the original +5V lead. Many fan cables use the same colours as the OmniJoin adaptor, but please note that there is no guarantee for this, so make sure to correctly identify the GND and +5V leads of the original fan. Please refer to the manual that came with the device or contact the device manufacturer if in doubt.



After you've identified the individual leads, please proceed with the following steps to install the OmniJoin adaptor:

### Step 1

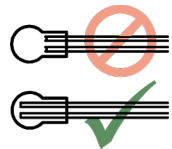
Cut off the connector of the fan that was originally used in the device. Make sure not to cut the cable directly at the connector, there should be at least 2-3 centimetres of cable left:



Note that it is not necessary to remove the insulation from the cables.

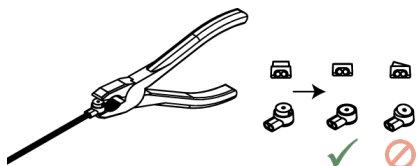
### Step 2

Then take one of the supplied 3M Scotchlok™ connectors and insert the GND lead of the original cable and the black lead of the OmniJoin adaptor into the two holes of the Scotchlok™ connector. Make sure that both leads are fully inserted and pushed all the way back.



### Step 3

Then use flat nose pliers to push down the white button of the Scotchlok™ connector. Make sure that the button is not jammed and pushed all the way down. If the button is jammed, push it down from both sides of the Scotchlok™ connector using the flat nose pliers.



Repeat Step 2 and 3 for the +5V lead.

After you've fixed the original fan's cable to the OmniJoin adaptor using the Scotchlok™ connectors, simply connect the NF-A6x25 to the adaptor in order to use it in your device.



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sound-optimised premium components

Designed in Austria, Noctua's premium cooling components are internationally renowned for their superb quietness, exceptional performance and thoroughgoing quality. Having received more than 3000 awards and recommendations from leading hardware websites and magazines, Noctua's fans and heatsinks are chosen by more than a hundred thousand satisfied customers around the globe. [sales@noctua.at](mailto:sales@noctua.at) | [www.noctua.at](http://www.noctua.at)

## Dear customer,

Congratulations on choosing the Noctua NF-A6x25.

We from Noctua always strive to achieve superior quiet cooling performance regardless of whether it's a big 140mm fan or a small 40mm one. That's why the NF-A6x25 sports many of the features and advanced aerodynamic design measures of our award-winning larger models, making it perhaps the most thoroughly optimised 60mm fan on the market. Each Noctua fan is double checked for flawless operation by our quality control team before it leaves the factory and I'm confident that you will be able to sense some of the research, attention and care we've put into making this product.

Enjoy your NF-A6x25!

Yours sincerely,

Roland Mossig, Noctua CEO

*This document includes some instructions for installing, running and cleaning your NF-A6x25. Should you have any further questions, our support team ([support@noctua.at](mailto:support@noctua.at)) will be glad to assist you at any time.*

*Please also have a look at the regularly updated FAQs on our website:*

*<http://www.noctua.at/faqs>*

*This document is also available in other languages at the following URL:*

*<http://www.noctua.at/manuals>*

### **Warranty and Support**

*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 NF-A6x25, please don't hesitate to contact our support team ([support@noctua.at](mailto:support@noctua.at)).*



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