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Guide - Anti Warping Guide by 3D Jake

Warping verhindern. Das kannst du tun

Guide - Auto Z Offset

Link zum Auto Z Offset Github Repo

Guide - Canbus by Chripink

[Link zum Canbus Guide](#)

Guide - Ellis Print Guide

Mit diesem Guide habt ihr die Möglichkeit euren Drucker bestmöglich zu kalibrieren oder auch Druckfehler zu analysieren und finden.

Print-Tuning-Guide by Ellis

Vielen Dank an Ellis für diesen tollen guide

Guide - Fake Lüfter erkennen

How to ~~train~~ spot a fake Sunon

This is a non-comprehensive list of signs if your Sunon fan is a fake or not. It is based on my (Drachenkätzchen#3832) own research and input from other users. Please note that Sunon can change their fan labels at any time - use this infosheet to find clues and not as a final conclusion. If you bought your fan from Aliexpress, be suspicious! Only some Aliexpress sellers sell genuine Sunon fans, alway check the reviews for the products to find clues BEFORE you buy. If you bought the Sunon from a well-known electronics distributor like Digikey or Mouser you most likely have a genuine one. For other resellers, always check and inform them nicely if you suspect that you received a fake.

The font and letter spacing should match the font shown here. Fakes use a slightly different font or other letter spacing. The name "SUNON" should be aligned to the bottom of the logo and not centered with the Sunon logo.

Sunon fans usually have a green label. Exception: Red = The fan is produced for the chinese market. The text should be black without any white spots between the text and the background.

Older Sunon fans do not have a QR code. If your fan doesn't have one, it could simply be that you received an old batch.

If a QR-Code is present: Scan with your phone. Verify that the code links to **http://sunon.bz?id=<idnumber>**.
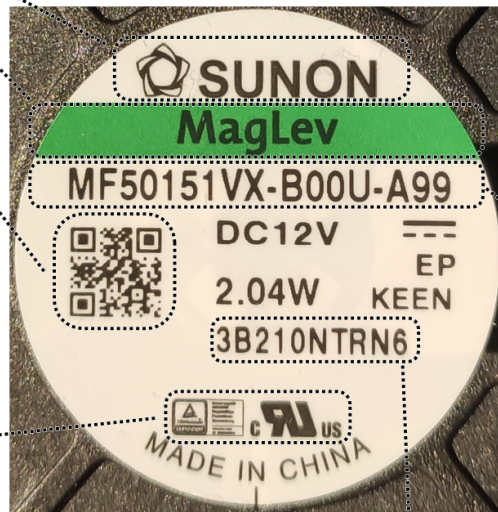
Check that the ID on that site matches the ID on the fan.

Example for a fake QR code which misses the 3 squares in each corner.

The certification logos should be of good quality. Fake fans often have poorly vectorized logos with artifacts.

Here are two fake sets of certification logos which show these artifacts. Note the particular bad "C" left of "RU" and "U" in "US" on the first image

Overall Quality:

The label should be of decent printing quality and not have regular spots like the slightly yellow dots shown on the right (maybe he hard to see on some screens).

This fan ID should match what you see when you visit the QR code website. Also check the product listing of the product you've bought. If the serial on the product listing is the same number as your fan, it's likely fake. If you ordered multiple fans of the same type, verify that their serial numbers are different!

The model number of the fan. Since 2015 or so the model number consists of 3 parts:

The base specification, the customer code and the function code.

Base specification consists of the fan series, size, thickness, voltage, bearing type and speed.

Customer code is 1000U for general catalogue products and can differ for special orders.
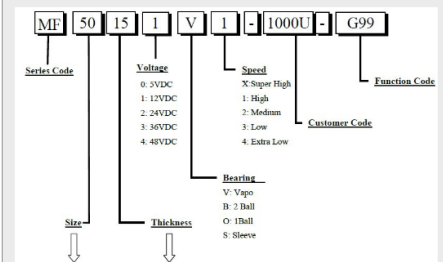
Function code specifies which additional functions the fan has (Auto-Restart, PWM input, tacho output etc).

Often distributors have a datasheet for the exact model of the fan. If they do, double-check the contents of the datasheet against the fan. Fakes sometimes have the wrong number of fan blades.

Note that the model number itself is not an indication of a fake - there are many genuine Sunon fans which are not listed in the catalog. The myth that Sunon doesn't make 24V fans in certain form factors is wrong.

The fan series "KDE" and "GM" are both obsolete, you may get old stock, but you also could get fakes based on these old designs.

Here's how the numbers are encoded on the fan model, for a more complete reference refer to the official Sunon docs.

| MF | 50 | 15 | 1 | V | 1 | - | 1000U | - | G99 |

| Series Code | | Voltage | | Speed | | | | | Function Code |

Voltage:
0: 5VDC
1: 12VDC
2: 24VDC
3: 36VDC
4: 48VDC

Speed:
X: Super High
1: High
2: Medium
3: Low
4: Extra Low

Bearing:
V: Vapo
B: 2 Ball
O: 1Ball
S: Sleeve

Size — Thickness — Customer Code

SUNON
MagLev
MF50151VX-B00U-A99
DC12V
2.04W   EP   KEEN
3B210NTRN6
MADE IN CHINA

Guide - FDM Material Guide by Prusa

Hier ist von Prusa ein toller Guide zu den verschiedenen Filamenten

FDM Guide

Guide - Motorstrom Kalkulator

Link zum Kalkulator

Guide - Nozzle Guide by 3DJake

Hier gehts zum Guide

Guide - Pressure Advanced Kalibrierung über Website

[Link zum Pressure Advanced Guide](#)

Guide - Startcode richtig definieren

[Hier findest du einen Guide zum richtigen definieren des Startcodes](#)