

# Antminer-S19-Pro-Overclock.5.1

## Installation and Overclocking Guide for Antminer S19 Pro (All Models)

In the name of God

### Step 1 – Install the Overclock Software

Begin by installing the overclock software on your computer. Once the installation is complete, the overclock firmware for your Antminer model will be placed directly on your desktop.

### Step 2 – Upload the Firmware

Log in to your Antminer control panel and go to the **Upgrade** section. Select the firmware file that was created on your desktop and upload it. After the upgrade process is finished, restart your device.

### Important Notes:

- To unlock the miner's software restrictions, make sure you connect to the miner using the same computer where you installed the overclock software.
- If you have more than two miners connected to the same network, overclock them **one at a time**. Connect each miner directly to your computer with a separate network cable. After completing the process on the first miner, disconnect it and then proceed with the next one.

### About Performance:

This firmware works with an **automatic autotuning system** that adjusts hashrate according to the temperature of the hashboards.

- Minimum boost: ~10% above the miner's stock hashrate.
- With proper cooling, hashrate can be increased up to ~38%.
- Normally, there is no need to replace the power supply, as the firmware is autotuned. However, in cases of advanced or non-standard cooling methods (such as immersion cooling or cold storage systems), an **additional PSU** may be used. In such setups:
  - The main PSU powers two hashboards.
  - The secondary (usually weaker) PSU powers the third hashboard.
  - With this configuration, the hashrate can reach up to ~50%.

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