

Automatic profile switching function

1. What is it?

The automatic profile switching function is designed to automatically change the settings of your mining equipment depending on the current cooling conditions. This allows you to maintain optimal performance and stability of the equipment, minimizing the need for manual adjustments.

2. How does it work?

The function analyzes the current hardware temperature and automatically switches hash rate profiles to continue mining without overheating. The user sets the range in which he wants to adjust the starting range and the upper limit, above which the equipment will not work.

3. Advantages

- Improved performance.
- Reduced power consumption.
- Extended service life

By maintaining stable operating conditions the function reduces the risk of overheating and component wear.

4. How do I configure it?

1. Activating the function:

- Go to the hardware settings menu.
- Select the "Performance" tab.
- Enable the "Auto-switch profiles" option.

2. Selecting a profile:

- Configure the parameters of the starting profile, and this is also the profile that the ASIC will roll back to if the ambient temperature continues to rise (in critical situations, profiles may fall below this value).

3. Setting the upper limit for profile enhancement:

- Select the maximum profile level that the equipment should not go above. This helps to avoid overloading the power supply and maintain stable operation within acceptable values.

4. If the fan speed is exceeded by more than 80% , the function of increasing the operating mode when the set temperature is reached will not be performed, there is an option to ignore the fans in the settings.

5. Examples of settings for models

For each model of equipment, specific parameters are set to ensure optimal working conditions:

S19(76 chip and 114 chip)

- Target temperature: 75°C
- Critical temperature: 87°C
- Minimum fan speed: 10%
- Profile elevation: 76°C
- Profile drop: 81°C
- Upper limit of profile enhancement: Select the maximum profile above which the function should not raise performance.

S19 (77 chip, 88 chip, 110 chip, 120 chip, 126 chip)

- Target temperature: 67°C
- Critical temperature: 82°C
- Minimum fan speed: 10%
- Profile elevation: 68°C
- Profile drop: 73°C
- Upper limit of profile enhancement: Select the maximum profile above which the function should not raise performance.

L7

- Target temperature: 73°C
- Critical temperature: 88°C
- Minimum fan speed: 10%
- Profile elevation: 74°C
- Profile drop: 79°C
- Upper limit of profile enhancement: Select the maximum profile above which the function should not raise performance.

S21/T21

- Target temperature: 70 °C
- Critical temperature: 85°C
- Minimum fan speed: 10%
- Profile elevation: 71°C
- Profile drop: 76°C
- Upper limit of profile enhancement: Select the maximum profile above which the function should not raise performance.

ASIC Hydro (factory settings)

- On boards must be kept: up to 65°C
- Profile elevation: 67°C
- Profile drop: 72°C
- Upper limit of profile enhancement: Select the maximum profile above which the function should not raise performance.