BIOS MOD
ROG Strix X570-I Gaming

Version: 1403I

Warning

- **Flashing on your own risk.**
- **You might brick your board.**
- **I'm not responsible for any damage that can occur while flashing your board with custom bios.**

ONLY USABLE WITH ZEN2 CPU!
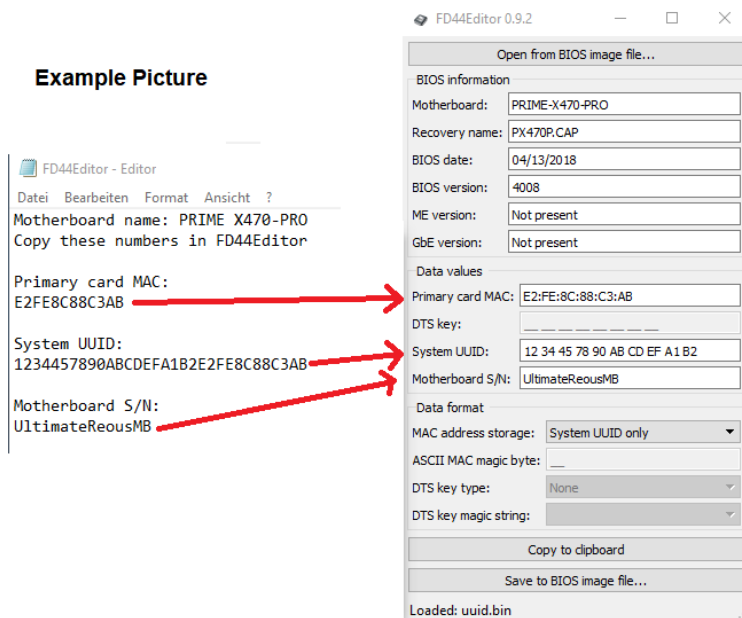Beta Version – Some settings are not tested.

Changelog

- Added BCLK Spread Spectrum (Ai Tweaker)
- Added VDDP Voltage (Ai Tweaker)
- Added C6 Mode (CPU Configuration)
- Unlocked AMD CBS (Advanced)
  Different Main View
  Phy Configuration
  CPU, DF, UMC Common Options
- Added PCH + Heatsink Temperature (Monitor)
- Added PCH + Heatsink Fan Control (Monitor)
  Changing settings can overheat your PCH and Heatsink!
- Added Temperature Source (Monitor)
  VRM, PCH, DIMM
  Might not work!
- Advanced DC Mode Setting for PUMP Fans(Monitor)
  Min Duty Cycle 0%
 Middle Duty Cycle 0%
- Added Advanced Boot Settings (Boot)

Preparing the modded Bios

- Flashing a modded Bios could erase your System UUID and Motherboard SN
  This can result in resetting your Windows or Software activation
- Before flashing a modded Bios you have to add these things into the Bios
- Download and run the "UUID MAC SN RECOVERY.cmd" file
- Open the created "FD44Editor.txt" file
- Download and open the modded Bios with "FD44Editor 0.9.2"
- Copy and paste the values into your Bios
- Click "Save to BIOS image file" and select the modded Bios.
- If you only get "FFFFFFFFF…" your UUID and Motherboard SN are already deleted
  In this case skip this step

Example Picture

FD44Editor - Editor

Datei Bearbeiten Format Ansicht ?

Motherboard name: PRIME X470-PRO
Copy these numbers in FD44Editor

Primary card MAC:
E2FE8C88C3AB

System UUID:
1234457890ABCDEFA1B2E2FE8C88C3AB

Motherboard S/N:
UltimateReousMB

How to flash the modded bios

- *Manual and modified tools are created from "The Stilt"*
  AGESA FW stack patched bioses for 3rd gen
- Download the modified Flashrom 1.1 with Ryzen support from the thread above
- Download the modified Rufus 3.8.1579 Win10 from the thread above
- Download the diskcopy.dll file mentioned in the thread above
- Place the diskcopy.dll file to the "Windows/System32" folder in the system root
- Open Rufus and accept the warning
- Select the correct device form the device drop-down menu and select MS-DOS from the Boot-selection drop-down menu.
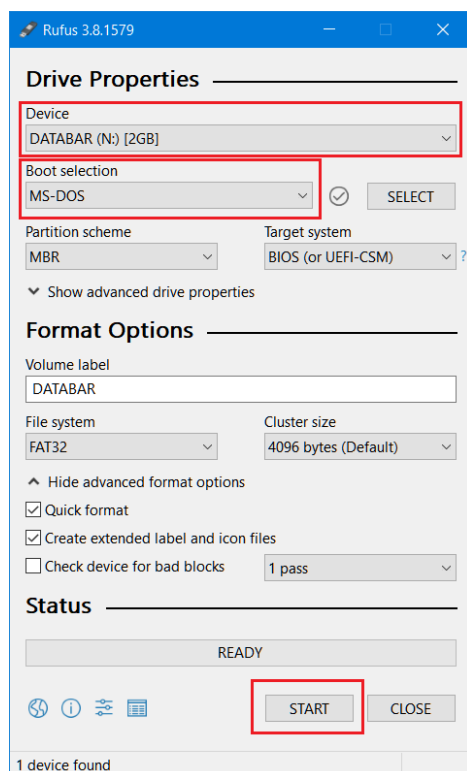
- Extract the two files (flashrom.exe and CWSDPMI.exe) found in FRZN.zip archive, the modded bios and the two .bat files to the root of the USB stick

📁 LOCALE	28.09.2019 13:11	Dateiordner	
⌦ 5220X.bin	05.10.2019 23:00	BIN-Datei	32.768 KB
📄 BOOTLOG.PRV	05.10.2019 18:15	PRV-Datei	0 KB
📄 BOOTLOG.TXT	05.10.2019 18:29	Textdokument	0 KB
📄 check.bat	05.10.2019 17:05	Windows-Batchda...	1 KB
⬛ CWSDPMI.EXE	07.01.2010 22:06	Anwendung	21 KB
📄 flash.bat	05.10.2019 16:42	Windows-Batchda...	1 KB
⬛ flashrom.exe	01.10.2019 23:35	Anwendung	662 KB

- Reboot and enter the bios.
- Make sure you using default bios settings
- Go to the Boot tab and make sure that CSM is enabled
- Select the correct USB device from the boot override section (NOT the one beginning with UEFI)
- After the system has loaded DOS type "check.bat". This will check if the SPI controller and the flash part itself is being detected properly.
- If the detection is successful it should show following messages
  Calibrating delay loop... OK
  Found chipset "AMD FP4/AM4/FP5"
  Enabling flash write... OK
  Found XXXXX flash chip "XXXXXXXX" (32768kB, SPI) mapped at physical address 0xfe000000
  No operations were specifield

```
C:\>check.bat
flashrom unknown on MS-DOS 8 (i786)
flashrom is free software, get the source code at https://flashrom.org

Calibrating delay loop... OK.
Found chipset "AMD FP4/AM4/FP5".
Enabling flash write... OK.
Found Winbond flash chip "W25Q256JW" (32768 kB, SPI) mapped at physical address
0xfe000000.
No operations were specified.
```

- If it does look different DO NOT CONTINUE (Chip name can vary)

- If the detection was successful type "flash.bat"

```
C:\>flash.bat
flashrom unknown on MS-DOS 8 (i786)
flashrom is free software, get the source code at https://flashrom.org

Calibrating delay loop... OK.
Found chipset "AMD FP4/AM4/FP5".
Enabling flash write... OK.
Found Winbond flash chip "W25Q256JW" (32768 kB, SPI) mapped at physical address
0xfe000000.
Reading old flash chip contents... done.
Erasing and writing flash chip... 4-byte address requested but master can't hand
le 4-byte addresses.
Reading current flash chip contents... done. Looking for another erase function.

Erase/write done.
Verifying flash... VERIFIED.

C:\>
```

- If flashing was successful it should show following message at the end
  Erase/write done.
  Verifying flash... VERIFIED.
- Restart your computer by typing "reset" or pressing "Strg+Alt+Entf"

- **In case your system doesn't reboot after that try to fully power off your system for few seconds and try again.**

Credits and Source

- [Hardwareluxx](#)
- [FD44Editor](#)
- [UUID MAC SN Recovery](#)
- [Rufus](#)
- [The Stilt](#)