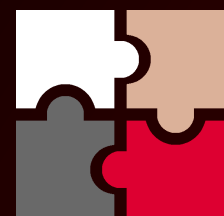


PROJECT HYDRA

OC-SANDBOX FOR AMD ECO-SYSTEM

HYDRA 1.2A PRO IS ALREADY AVAILABLE FOR PATREON SUBSCRIBERS

1USMUS 2022



HYDRA 1.2A PRO – WHAT'S NEW?

RX-TUNER

I think many of you have noticed that AMD does not pay proper attention to RX graphics cards. Standard presets offered by AMD Software: Adrenalin Edition do not bring any real benefit and there is simply no "auto overlocking" customization.

Also the level of graphics card performance relative to energy efficiency is a poorly researched topic. Video cards as well as Ryzen processors have sweet spots of voltage and temperature, where the user can get special results, but not many people know about it.

The purpose of the **RX-TUNER** module is to introduce you to the hidden capabilities of your adapters. **RX-TUNER** also supports **unlimited profiling for up to 6 adapters simultaneously**. In the **HYDRA 1.2B PRO** version the user will be able to do **auto-overclocking with respect to the desired power consumption, temperature or voltages**.

HYDRA 1.2A PRO
OC-SANDBOX FOR AMD ECO-SYSTEM

AMD Ryzen 9 5950X 16-Core Processor Stepping 0
ASUS ROG CROSSHAIR VIII DARK HERO BIOS ver. 4201 SMU ver. 56.70.00
AMD Radeon RX 6800 XT Microsoft Windows NT 6.2.9200.0 06/30/2022 10:01:11

CCD1 2.1% / 1%									CCD2 0% / 1%								GPU 0% / 4%				
HOT SPOT 31.1° L3 CACHE 28.2°									HOT SPOT 28.8° L3 CACHE 28.3°												
SENSOR	C01*	C02	C03	C04*	C05	C06	C07	C08	SENSOR	C09	C10	C11	C12	C13	C14	C15	C16	GPU	HOTSPOT	ASIC PPT	FAN
CPPC	212	203	199	212	190	194	185	208	CPPC	167	181	172	149	158	154	163	176	27	28	19	0
AMD CO	0	0	0	0	0	0	0	0	AMD CO	0	0	0	0	0	0	0	0				
FREQ_EFF	447	141	136	468	17	46	8	188	FREQ_EFF	4	4	6	270	2	2	2	36				
FREQ	3834	3731	3729	3843	3682	3695	3679	3785	FREQ	3664	3664	3664	3882	3664	3664	3664	3674				
DLDO_VID	0.96	0.932	0.931	0.964	0.916	0.919	0.915	0.948	DLDO_VID	0.92	0.918	0.918	1.011	0.921	0.922	0.92	0.922				

BCLK	CPU TEL / VID	THM / LIMIT	TDC / LIMIT	EDC / LIMIT	PPT / LIMIT	EDC Throttler	FCLK Effective	MEMCLK / UCLK	UMC RD / WR
100	1.193 / 1.203 0.8%	32 / 90	22 / 95	140 / 140	64 / 142	2.8	1800	1800 / 1800	0.38 / 0.35

Main Settings

Profile: Global [v] State: [off]

Adapter: #0 RX 6800 XT [v]

[save] [edit] [refresh] [lock]

Fan Control

Reserved ;)

GPU Control

Minimum frequency: 500 [DEFAULT]

Maximum frequency: 2429 [DEFAULT]

Voltage: 1150 [DEFAULT]

VRAM Control

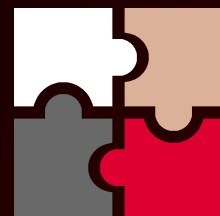
Memory frequency: 2000 [DEFAULT]

Memory timings: Default [v]

Power Control

Limit: 0 [DEFAULT]

HYBRID OC
AMD PBO2
RX-TUNER
LOGGING
DIAGNOSTIC
COMPARE
BOOST TEST



PROJECT HYDRA – WHAT’S NEXT?

HYDRA 1.2B PRO – end of July (planned list of major changes)

- **RX-TUNER.** Automatic tuning of graphics cards (**RDNA2**) regarding the desired maximum temperature, voltage or power consumption.
- **RX-TUNER.** GPU fan curve profiling.
- **HYBRID OC.** Working on visual usability, additional improvements.
- Access from the app to online-tutorial.

HYDRA 1.XX PRO – end of August (planned list of major changes)

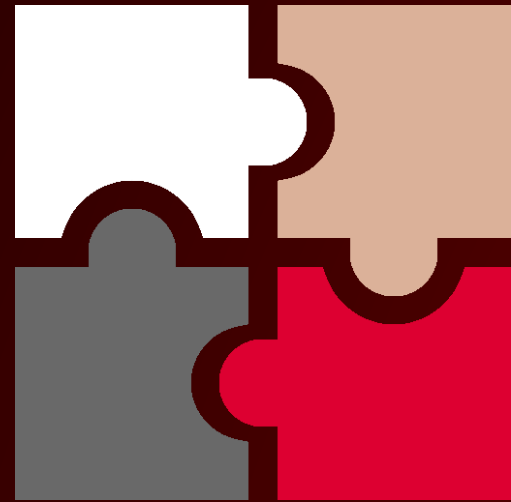
- **HYBRID OC,** monitoring and diagnostic. Support for **Zen 4**.
- **RX-TUNER.** Support **RDNA1**.

Some of my thoughts:

- Add **Nvidia** video card management module (like **RX-TUNER**). In this case it is difficult for me to comment because at the moment **AMD** does not have automatic overclocking unlike **Nvidia**.
- **Automatic DRAM overclocking for Zen 3 and Zen 4.** But in any case, the new calculator will already be in **HYDRA**. It will not be a separate project. The whole **AMD** eco-system in one project.

P.s. I know that the war in my country has already disrupted a huge number of plans and affected my life, but I have no desire to stop. I believe that in the future we will have a lot of interesting discoveries.

I am tremendously grateful to everyone for their support and contribution to the development of the project.



PROJECT HYDRA

OC-SANDBOX FOR AMD ECO-SYSTEM

NEW FEATURES EVERY MONTH

1USMUS 2022