

THE FIRST ALPHA VERSION IS ALREADY AVAILABLE FOR PATREON SUBSCRIBERS

THIS PRESENTATION IS AN EARLY CONCEPT, THE FEATURES AND GUI ARE SUBJECT TO CHANGE DURING DEVELOPMENT 1USMUS 2021



- Exclusive APP for ZEN 3 and ZEN 3+ processors
- New platform, new UI, compact size
- Powerful customization for each profile
- 4 voltage curves (presets) for all profiles ( undervolt, normal, OC and XOC )
- Up to 9 profiles
- Individual profiles for games and AVX2
- New diagnostic ( all values are filled in automatically )
- All profiles can work in dynamic mode ( unlocked CO in PRO version)

	YDRA 0. SANDBOX FOR	7A PRO	)	AMD Ryzen 9 ASUS ROG C Microsoft W	9 5950X 1 ROSSHAI Indows N
CCD1		36.9°	CCD2		
<b>C01</b> 878	212 005	17 190	<b>C09</b> 67	] 167 <b>C13</b> [	111
<b>C02</b> 25	203 <b>C06</b>	0 194	<b>C10</b> 205	] 181 <b>C14</b> [	91
<b>C03</b> 33	] 199 <b>C07</b> [	38 185	<b>C11</b> 66	] 172 C15	0
<b>C04</b> 28	212 COB	123 208	<b>C12</b> 1078	] 149 <b>C16</b> [	78
CPU (%) 1.9	Vdrooj	p (%)0.9	CPU TEL (V)	1.18 CPU VI	D (V)
THREADS	ENABLED	VID	CCD1	CCD2	c
THREADS 1T-2T	ENABLED	VID 1375	CCD1 4750	CCD2 4650	co
THREADS 1T-2T 3T-4T	ENABLED	VID 1375 1375	CCD1 4750 4750	CCD2 4650 4650	c
THREADS 1T-2T 3T-4T 5T-8T	ENABLED	VID 1375 1375 1300	CCD1 4750 4750 4650	CCD2 4650 4650 4550	c
THREADS 1T-2T 3T-4T 5T-8T 9T-12T	ENABLED	VID 1375 1375 1300 1300	CCD1 4750 4750 4650 4650	CCD2 4650 4650 4550 4550	co
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T	ENABLED	VID 1375 1375 1300 1300 1250	CCD1 4750 4750 4650 4650 4600	CCD2 4650 4650 4550 4550 4500	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1)	ENABLED	VID 1375 1375 1300 1300 1250 1075	CCD1 4750 4750 4650 4650 4600 4125	CCD2 4650 4650 4550 4550 4500 4050	c
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2)	ENABLED	VID 1375 1375 1300 1300 1250 1075 1000	CCD1 4750 4750 4650 4650 4600 4125 3825	CCD2 4650 4650 4550 4550 4500 4050 3725	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2) ALL (GAME)	ENABLED	VID 1375 1375 1300 1300 1250 1075 1000 1300	CCD1 4750 4750 4650 4650 4600 4125 3825 4750	CCD2 4650 4650 4550 4550 4500 4050 3725 4575	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2) ALL (GAME) UNDERVO	ENABLED	VID 1375 1375 1300 1300 1250 1075 1000 1300 IORMAL	CCD1 4750 4750 4650 4650 4600 4125 3825 4750 OC	CCD2 4650 4550 4550 4550 4500 4050 3725 4575	хос

(16-Core Proc IAIR VIII DARK NT 6.2.9200.0	essor HERO BIOS ver. 3601 ) 07/29/2021 17	1 SMU ver. 56.53.00 :50:00		i 🎐 🖻 🗖 🔀 💥
34.9°	🗊 ССD3			CCD4
158		] [		
154		[		
163		[		
176		][		
1.169	CPU TDC (A)	12.7 CPU ED	)C (A) 122.3	CPU PPT (W) 55.3 LOAD TYPE IDLE
.CD3	CCD4		STATS	ACTIVATE PROFILES
- -	CCD4 - -	DYNAMIC	STATS 0 0	ACTIVATE PROFILES
- CD3 - - -	CCD4 - - -	DYNAMIC	STATS 0 0 0	ACTIVATE PROFILES SAVE PROFILES
- - - -	CCD4 - - - -	DYNAMIC	STATS 0 0 0 0	ACTIVATE PROFILES SAVE PROFILES CO VALUES
- - - - -	CCD4 - - - - -		STATS 0 0 0 0 0	ACTIVATE PROFILES SAVE PROFILES CO VALUES CREATE BACKUP
- CD3 	CCD4 - - - - - - -	DYNAMIC S S S S S S S S S S S S S	STATS 0 0 0 0 0 0 0	ACTIVATE PROFILES SAVE PROFILES CO VALUES CREATE BACKUP
- - - - - - -	CCD4	DYNAMIC S DYNAMIC S S S S S S S S S S S S S	STATS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ACTIVATE PROFILES SAVE PROFILES CO VALUES CREATE BACKUP LOAD BACKUP
- - - - - - - -	CCD4 - - - - - - - - -	DYNAMIC	STATS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ACTIVATE PROFILES SAVE PROFILES CO VALUES CREATE BACKUP LOAD BACKUP
- CD3 	CCD4 - - - - - - - - - - - - - - -	DYNAMIC	STATS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ACTIVATE PROFILES SAVE PROFILES CO VALUES CREATE BACKUP LOAD BACKUP
- CD3 	CCD4 - - - - - - - - - - - - - - - - - - -	DYNAMIC	STATS 0 0 0 0 0 0 0 0 0 0 0 0 0	ACTIVATE PROFILES SAVE PROFILES CO VALUES CREATE BACKUP LOAD BACKUP

- 2 CO tables for different types of tasks allow you to get maximum performance ( are created automatically during diagnostics )
- Complete independence from CPPC
- Real-time CO control, allow you to change V/F on the fly, without rebooting
- Each CCD has its own differentiated frequency control
- Curve Optimizer search tool for each core
- Profile backup management system

	HYDR oc-sande	RA 0.7		)	A A M	MD Ryzen 9 5 SUS ROG CRO licrosoft Wind	950X 1 DSSHA dows 1
<u>الله</u>	D1		38.6°	ि ८०१	02		
<b>C01</b> 1	.111 212	<b>C05</b> 11	12 190	<b>C09</b> 4	6 167	C13	491
C02	<b>78</b> 203	<b>C06</b> 4	8 194	<b>C10</b> 10	0 181	C14	70
C03	78 199	<b>C07</b> 4	6 185	<b>C11</b> 4	0 172	C15	546
C04 []	111 212	<b>C08</b> 9	0 208	<b>C12</b> 19	45 149	C16	709
CPU (%)	3.5	Vdroop (%	6) -0.6	CPU TEL (V)	1.254	CPU VID	(^)
— со	FOR LOW-	THREAD LO	DAD (+)	— CO F	OR MULTI	-THREAD	LOA
CORE#	со	CORE#	со	CORE#	со	CORE#	
C01	87	C09	161	C01	30	C09	
C02	150	C10	55	C02	53	C10	
C03	164	C11	178	C03	50	C11	
C04	37	C12	183	C04	40	C12	
C05	237	C13	235	C05	62	C13	
C06	175	<b>C14</b>	133	C06	64	C14	
C07	193	C15	183	C07	62	C15	
C08	80	C16	119	C08	50	C16	
(ð) I	HYBRID C	C	<sub>ැබ්</sub> වූ SET	TINGS		log	GIN

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40.1°	ECD3	m ccd4
158		
154		
163		
176		
1.247	CPU TDC (A) 23.2 CPU EDC (A) 137.8	CPU PPT (W) 71 LOAD TYPE IDLE
₩D (+)		ACTIVATE PROFILES
40		SAVE PROFILES
34 42		TO PROFILES
30		CREATE BACKUP
55 62		LOAD BACKUP
50		
38	STATUS : READY !	
IG		ALYSE CO

- Modular setup storage system (minimum chance of corrupting configuration files )
- Ability to adjust the response speed and CAC-tolerances of the dynamic mode
- Event notification system
- Built-in failsafe's against system and user errors
- 24/7 monitoring of processor parameters and automatic shutdown of profiles in a critical situation
- Automatic loading of profiles with Windows startup
- Clear standby cache maximum comfort in games
- Auto updates ( PRO version )

HYDRA 0. OC-SANDBOX FOR	7A PRO	)	AMD Ryzen 9 5950X 16 ASUS ROG CROSSHAI Microsoft Windows N
CCD1	34.7°	ECD2	
<b>C01</b> 767 212 <b>C05</b>	314 190	<b>C09 278</b> 167	7 <b>C13</b> 39
C02 351 203 C06	<b>269</b> 194	<b>C10 518</b> 181	1 <b>C14 249</b>
<b>C03 307</b> 199 <b>C07</b>	317 185	<b>C11 275</b> 172	2 <b>C15 309</b>
CO4 319 212 CO8	301 208	<b>C12</b> 719 149	e <b>C16</b> 271
CPU (%) 0 Vdroop	o (%) 0.1	CPU TEL (V) 1.221	
MAIN SETTINGS	5	SAFETY SY	STEM SETTINGS
Auto-load APP with OS		Max PPT (W)	200
Auto-load APP with OS Event notifications		Max PPT (W) Max EDC (A)	200 200
Auto-load APP with OS Event notifications Auto-check update		Max PPT (W) Max EDC (A) Max TDC (A)	200 200 140
Auto-load APP with OS Event notifications Auto-check update Pop-up tips		Max PPT (W) Max EDC (A) Max TDC (A) Max temperature	200 200 140 (°C) 95
Auto-load APP with OS Event notifications Auto-check update Pop-up tips Clear standby cache		Max PPT (W) Max EDC (A) Max TDC (A) Max temperature	200 200 140 (°C) 95
Auto-load APP with OS Event notifications Auto-check update Pop-up tips Clear standby cache Clear standby cache (sec)	3	Max PPT (W) Max EDC (A) Max TDC (A) Max temperature	200 200 140 (°C) 95
Auto-load APP with OS Event notifications Auto-check update Pop-up tips Clear standby cache Clear standby cache (sec) GUI refresh (ms)	3	Max PPT (W) Max EDC (A) Max TDC (A) Max temperature	200 200 140 (°C) 95

### 7/29/2021



- Updated logging system
- Simplified and more intuitive interface
- A new way to evaluate processor quality
- Updated monitoring is always with the user
- If there was a failure, no problem, HYDRA will prompt which core requires correction CO
- Real-time Vdroop information

			ZEN3				м	icrosoft W	/indows
🗊 ССР	1			37.4°		CCD2			
<b>C01</b> 109	3 212	<b>C05</b>	100	190	C09	51	167	<b>C13</b>	135
<b>C02</b> 62	203	<b>C06</b>	153	194	C10	31	181	<b>C14</b>	25
<b>C03</b> 0	199	<b>C07</b>	59	185	<b>C11</b>	24	172	<b>C15</b>	0
<b>C04</b> 213	212	<b>C08</b>	17	208	C12	602	149	<b>C16</b>	72
Microsoft Wi ASUS ROG CI BIOS ver. 360 TABLE ver. 36	ndows NT 6 ROSSHAIR V 1 SMU ver. 72069	.2.9200.0 /Ⅲ DARK 56.53.00	HERO						
DRAM speed	3800 MHz								
Information a Unstable free	bout the las uency, APIC	st failure ID: 20							
If the failure of In the first CC	occurred in table redu	a low-thr	eaded l	oad (CPU u )RF#11 bv	usage < 5 30.	0%) or in	a game	:	
If the failure of	occurred in	a multy-ti	hreaded	l load (CPL	J usage >	50%):			

têj:

SETTINGS

E/

LOGGIN

( HYBRID OC

16-Core Proc MR VIII DARK NT 6.2.9200.0	essor HERO BIOS ver. 3601 SMU ver. 56.53.00 ) 07/29/2021 17:50:00		(i) 🎐	0 -	$\mathbf{E}$ $\otimes$
34°	ССD3		CCD4		
158				]	
154				]	
163 176		 		]	 
1.224	CPU TDC (A) 16.6 CPU EDC	(A) 120.5	CPU PPT (W)	61.4 LOAD	TYPE IDLE
	0%		STO	P THE PROC	ESS
IG			LYSE CO	co	MPARE



- Zen 3 CPU : Ryzen 9 5950X, Ryzen 9 5900X, Ryzen 7 5800X or Ryzen 5 5600X. •
- Stable, overclocked (or XMP) DRAM.  $\bullet$
- Disabled Curve Optimizer (in BIOS). PBO no matter. •
- Manual CPU LLC (Load Line Calibration). ASUS 3, MSI 4, ASRock 2, GIGABYTE -• High. You also have every right to use whichever mode you like.
- CPU Voltage Auto (in BIOS). Offset is forbidden. •
- Windows 10 build 2004 or newer. Windows 11 fully supported. ٠
- Chipset drivers or Ryzen Master unnecessarily. ۲
- Power plan Balanced (tip). ۲

#### STEP 1:

Click on "HYBRID OC" and select the voltage preset (UNDERVOLT, NORMAL, OC or XOC) you want to use. You can also enter the voltages you want to use yourself. For AIO and air cooling system I do not recommend using the OC and XOC presets because of the danger of overheating.

If you don't know what to choose, skip this step, the base voltages HYDRA offers are safe for any cooling system and weak VRM.

	YDRA 0. -SANDBOX FOR	SA PRO	)	AMD Ryzen ASUS ROG ( Microsoft W	9 5950X 1 IROSSHA /indows N
		35.3°	CCD2		
<b>C01</b> 708	212 C05	3 190	<b>C09</b> 7	] 167 <b>C13</b> [	19
<b>C02</b> 82	203 <b>C06</b>	0 194	<b>C10</b> 22	] 181 <b>C14</b> [	0
<b>C03</b> 29	] 199 <b>C07</b> [	0 185	<b>C11</b> 21	172 <b>C15</b>	0
<b>C04</b> 124	212 COB	32 208	<b>C12</b> 316	] 149 <b>C16</b> [	22
CPU (%) 0	Vdroop	o (%)	CPU TEL (V)	.178 CPU VI	D (V) [
THREADS	ENABLED	VID	CCD1	CCD2	C
THREADS 1T-2T	ENABLED	VID 1375	CCD1 3400	CCD2 3400	C
THREADS 1T-2T 3T-4T	ENABLED	VID 1375 1375	CCD1 3400 3400	CCD2 3400 3400	C
THREADS 1T-2T 3T-4T 5T-8T	ENABLED	VID 1375 1375 1300	CCD1 3400 3400 3400	CCD2 3400 3400 3400	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T	ENABLED	VID 1375 1375 1300 1300	CCD1 3400 3400 3400 3400	CCD2 3400 3400 3400 3400	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T	ENABLED	VID 1375 1375 1300 1300 1250	CCD1 3400 3400 3400 3400 3400	CCD2 3400 3400 3400 3400 3400	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1)	ENABLED	VID 1375 1375 1300 1300 1250 1075	CCD1 3400 3400 3400 3400 3400 3400	CCD2 3400 3400 3400 3400 3400 3400	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2)	ENABLED	VID 1375 1375 1300 1300 1250 1075 1000	CCD1 3400 3400 3400 3400 3400 3400 3400	CCD2 3400 3400 3400 3400 3400 3400 3400	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2) ALL (GAME)	ENABLED	VID 1375 1375 1300 1300 1250 1075 1000 1300	CCD1 3400 3400 3400 3400 3400 3400 3400 340	CCD2 3400 3400 3400 3400 3400 3400 3400 340	C
THREADS 1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2) ALL (GAME) UNDERVO	ENABLED	VID 1375 1375 1300 1300 1250 1075 1000 1300 1300	CCD1 3400 3400 3400 3400 3400 3400 3400 340	CCD2 3400 3400 3400 3400 3400 3400 3400	xoc

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32.3°	🗊 ССD3			m CCD4
158		]		
154		][		
163		][		
176		] [		
1.171	CPU TDC (A)	12.7 CPU ED	PC (A) 133.7	CPU PPT (W) 55.3 LOAD TYPE IDLE
CD3	CCD4	DYNAMIC	STATS	ACTIVATE PROFILES
-	-		0	
-	-	<u>∽</u>	0	SAVE PROFILES
-	-	<b>∑</b>	0	CO VALUES
-	•	<b>N</b>	0	CREATE BACKUP
-	-	<u>∽</u>	0	
-	-		0	
		FADVI		
	STATUS : R	EADY :		

#### **STEP 2:**

If you have selected NORMAL, OC or XOC presets you should take care to inform HYDRA about the new settings to protect the system from overheating or too high a power consumption. To do this, press SETTINGS and increase the Max EDC, Max TDC and Max PPT limits. In most cases, it is sufficient to increase these values by 30-40. If during HYDRA operation one of the limits is reached, the profiles will go into throttle mode or HYBRID OC will be disabled ( AMD standard boost will be enabled ). In the diagnostic mode, these parameters also work.

HYDRA O. OC-SANDBOX FOR	.8A PRO	)	AMI ASU Mic	D Ryzen JS ROG rosoft V	9 5950X 16 CROSSHAIR Vindows N1
ECD1	36.4°	🗊 ССD2			
<b>C01 1150</b> 212 <b>C05</b>	513 190	<b>C09</b> 490	167	C13	470
<b>C02</b> 575 203 <b>C06</b>	484 194	<b>C10</b> 490	181	<b>C14</b>	479
<b>C03</b> 454 199 <b>C07</b>	537 185	<b>C11</b> 485	172	C15	478
C04 632 212 C08	<b>520</b> 208	<b>C12</b> 884	149	<b>C16</b>	337
CPU (%) 1.4 Vdrooş	p (%)	CPU TEL (V)	.242	CPU V	ID (V)
MAIN SETTING	S	SAFET	Y SYSTE	M SET	TINGS
Auto-load APP with OS		Max PPT (V	n		300
Event notifications		Max EDC (/	4)		300
Auto-check update		Max TDC (4	4)		300
Pop-up tips		Max tempe	erature (°C)		95
Clear standby cache					
Clear standby cache (sec)	3				
GUI refresh (ms) —	1000				



#### **STEP 3:**

Also on this page, under DIAGNOSTIC SETTINGS you can choose which tests to perform ( CORE CO testing, CCD CO testing and Profile creation ). The order of testing does not matter.

CORE CO testing - defines the boundary conditions at which HYBRID OC will stop frequency ramping ( GAME and low-thread load ).

CCD CO testing - defines the boundary conditions at which HYBRID OC will stop frequency ramping (AVX1 and AVX2 profiles ). Profile creation - searches for stable base frequencies for all profiles.

CO diagnostic mode – SSE. In most cases it is highly accurate and is recommended for use.



#### STEP 4:

Once you have decided on the settings and preset voltages, run the diagnostics by pressing the DIAGNOSTIC button.

The diagnostic time can be up to 2-5 hours, depending on the quality of the sample.

During diagnostics the system will reboot and then restore the diagnostic process. It can happen several times, it's normal.

When the diagnosis is complete, you will see the message.

After completing the diagnosis the corresponding tables in HYBRID OC will be filled in and automatically saved.

ł	<b>H</b> ) oc-s	<b>(DR</b> Sandb	A O	<b>.8A</b> ZEN3	PRO	C		AM AS Mi	/ID Ryzen iUS ROG icrosoft V	9 5950X 1 CROSSHA Vindows I
	CCD1				70°		CCD2			
	4899	212	<b>C05</b>	211	190		0	167	C13	0
	134	203	<b>C06</b>	44	194		330	181	C14	0
	67	199	<b>C07</b>	49	185		35	172	C15	11
	68	212	<b>C08</b>	22	208		640	149	C16	110
21:28:2 CORE# 21:28:2 21:28:2 CORE# 21:29:0 21:29:1 21:29:5	0: Step: 2 1 BASE FF 0: Saving i 6: Test#1 1 CO: 10 7: Saving i 5: Test#2 7: Saving i	REQ: 485 intermed TEMPE intermed	50MHz F diate valu RATURE: diate valu diate valu	REAL FRI Jes 68°C Jes Jes	EQ: 4875	MHz				
21:30:0 21:30:5 CORE# 21:30:5 21:30:5 CORE#	5: Test#3 0: Step: 3 1 BASE FF 0: Saving i 6: Test#1 1 CO: 36	REQ: 48 interme TEMPE	50MHz F diate valu RATURE:	REAL FRI Jes 69°C	EQ: 4900	MHz				
<i>(</i> 3)	НҮВ	RID O	C	Ś	j} se	TTING	s	Line and Line an	LO	GGIN

### í) ୬ 🖻 🗆 🗙 Core Processor VIII DARK HERO BIOS ver. 3601 SMU ver. 56.53.00 6.2.9200.0 07/29/2021 21:23:18 🗊 ССD3 CCD4 34.3° ----CPU TDC (A) 32.9 CPU EDC (A) 140 CPU PPT (W) 83.9 LOAD TYPE FMA3 1.375 ١ **25**<sup>%</sup> STOP THE PROCESS 向 ANALYSE CO COMPARE

# **PROJECT HYDRA – QUICK START, HYBRID OC**

#### STEP 1:

Press the ACTIVATE PROFILES button to activate the HYBRID OC. This button is multifunctional. After activation the name of the button will change to DEACTIVATE PROFILES. The state of the button is saved automatically.

To visually assess which profile is currently active, the user will see a red line. The STATS column shows the statistics of the number of turns on the profile.

Changing any of the parameters in this table requires that you first disable the profiles using the DEACTIVATE PROFILES button.

You can see and edit the CO tables for the profiles by clicking the CO VALUES button.

	YDRA 0.	SA PRO	)	AMD Ryzen S ASUS ROG C Microsoft W	9 5950X 1 ROSSHA indows l
CCD1		42.8°	CCD2		
<b>C01</b> 4475	212 <b>C05</b>	<b>4474</b> 190	<b>C09</b> 4375	] 167 <b>C13</b> [	4375
<b>C02</b> 4475	203 <b>C06</b>	<b>4474</b> 194	<b>C10</b> 4375	] 181 <b>C14</b> [	4375
<b>C03</b> 4474	] 199 <b>C07</b> [	<b>4474</b> 185	<b>C11</b> 4375	] 172 <b>C15</b>	4375
<b>C04</b> 4474	212 COB	<b>4474</b> 208	<b>C12</b> 4375	] 149 <b>C16</b> [	4375
CPU (%) 100	Vdroop	o (%) 1.2	CPU TEL (V)	.062 CPU VII	D (V) [
THREADS	<b>ENABLED</b>	VID	CCD1		0
	ENABLED	VID	CCDI	CCD2	C
1T-2T		1375	4775	4650	C
1T-2T 3T-4T		1375 1375	4775 4775	4650 4650	C
1T-2T 3T-4T 5T-8T		1375 1375 1300	4775 4775 4675	4650 4650 4550	C
1T-2T 3T-4T 5T-8T 9T-12T		1375 1375 1300 1300	4775 4775 4675 4675	4650 4650 4550 4550	C
1T-2T 3T-4T 5T-8T 9T-12T 13T-16T		1375 1375 1300 1300 1250	4775 4775 4675 4675 4625	4650 4650 4550 4550 4550 4500	0
1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1)		1375 1375 1300 1300 1250 1075	4775 4775 4675 4675 4625 4625 4125	4650 4650 4550 4550 4550 4500 4025	
1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2)		1375 1375 1300 1300 1250 1075 1000	4775 4775 4675 4675 4675 4625 4625 4125 3825	4650 4650 4550 4550 4550 4500 4025 3750	
1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2) ALL (GAME)		1375 1375 1300 1300 1250 1075 1000 1300	4775 4775 4675 4675 4675 4625 4625 4125 3825 4125 3825 4750	4650 4650 4550 4550 4550 4500 4025 3750 4575	c
1T-2T 3T-4T 5T-8T 9T-12T 13T-16T ALL (AVX1) ALL (AVX2) ALL (GAME) UNDERVO		1375 1375 1300 1300 1250 1075 1000 1300	4775 4775 4675 4675 4675 4625 4625 4125 3825 4750 OC	4650 4650 4550 4550 4550 4500 4025 3750 4575	хос

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43.9°	🗊 ССD3			m CCD4			
158		] [					
154		] [					
163		][					
176		][					
1.075	CPU TDC (A)	55.3 CPU ED	C (A) 140	CPU PPT (W) 97.6 LOAD TYPE SSE			
CD3	CCD4	DYNAMIC	STATS	DEACTIVATE PROFILES			
-	-	$\checkmark$	0				
-	-		0	SAVE PROFILES			
-	-	⊻ ⊻	0	CO VALUES			
-	-		0				
-	-		43	CREATE BACKUP			
-	-		40	LOAD BACKUP			
-		$\checkmark$	0				
:	STATUS : profiles are successfully activated!						
IG		NOSTIC	-0-				

# **PROJECT HYDRA – QUICK START, HYBRID OC**

### STEP 2:

As I said earlier, the CO tables are designed to change the resulting frequency. The unit of measure is millivolts (mV).

With the "+" and "-" buttons you can change the resulting frequency in real time without deactivating the profiles. If you want to change the value for only one of the cores, you will need to deactivate the profiles.

If you encounter instability, the "-" button is your best friend. If you are satisfied with the result, don't forget to save the profiles with the SAVE PROFILES button.

After a crash you can also find information on which core caused the crash and what you need to do when you start HYDRA again.

HYDRA 0.8A PRO OC-SANDBOX FOR ZEN3						AMD Ryzen 9 5950X 1 ASUS ROG CROSSHA Microsoft Windows I	
e co	D1		42.2°	🗊 टटा	02		
<b>C01</b> 4	<b>475</b> 212	<b>C05</b> 447	75 190	<b>C09</b> 43	75 167	<b>C13</b>	375
<b>C02</b> 4	<b>475</b> 203	<b>C06</b> 447	75 194	<b>C10</b> 43	75 181	<b>C14</b>	375
<b>C03</b> 4	475 199	<b>C07</b> 447	75 185	<b>C11</b> 43	75 172	<b>C15</b>	375
<b>C04</b> 4	<b>475</b> 212	<b>C08</b> 447	75 208	<b>C12</b> 43	75 149	C16	375
CPU (%)	100	Vdroop (%)	) 1.2	CPU TEL (V)	1.062	CPU VID	(M) [
— со	FOR LOW-	THREAD LO	AD (+)	— CO F	OR MULTI	-THREAD	LOA
CORE#	со	CORE#	со	CORE#	со	CORE#	
C01	87	C09	161	C01	30	C09	
C02	150	C10	55	C02	53	C10	
C03	164	C11	178	C03	50	C11	
C04	37	C12	183	C04	40	C12	
C05	237	C13	235	C05	62	C13	
C06	175	C14	133	C06	64	C14	
C07	193	C15	183	C07	62	C15	
C08	80	C16	119	C08	50	C16	
(3) H	HYBRID C	oc (	තිරි SE1	TINGS		/ LOG	GIN

16-Core Proce AIR VIII DARK NT 6.2.9200.0	essor HERO BIOS ver. 3601 SMU ver. 56.53.00 07/29/2021 22:14:10	i 🎐 🖻 🗕 🎽 🖇	$\langle$
44.3°	Е ССD3	<b>[]] CCD4</b>	
158			
154			
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1.075	CPU TDC (A) 56.9 CPU EDC (A) 140	CPU PPT (W) 99.6 LOAD TYPE SSE	]
		DEACTIVATE PROFILES	
40		SAVE PROFILES	
34 42		TO PROFILES	
30		CREATE BACKUP	
55			
62		LOAD BACKUP	
38	STATUS : profiles are successfully activ	ated!	
IG		LYSE CO	

# **PROJECT HYDRA – QUICK START, HYBRID OC**

#### **STEP 3:**

Auto-load HYDRA + auto-activate profiles. If you have already clicked ACTIVATE PROFILES you should also tell HYDRA, that you want to load it with every Windows startup. Go to the SETTINGS page and enable Auto-load APP with OS. Done.

Saving any of the settings on this page is automatic.





- Profiles for low-thread load. Only GAME, AVX1 and AVX2 profiles are ready now(!). ٠
- Standby clear cache. Improved gaming comfort. ٠
- Cezanne support.  $\bullet$
- Automatic search for the ideal voltage for your system. For AVX1 and AVX2 profiles. ۲
- Notifications when a new version is released. ٠
- And other features that I will tell you about shortly. ٠



**NEW FEATURES EVERY MONTH** THIS PRESENTATION IS AN EARLY CONCEPT, THE FEATURES AND GUI ARE SUBJECT TO CHANGE DURING DEVELOPMENT 1USMUS 2021