



How to Set Up
AORUS RAID SSD 2TB
in Other RAID Modes

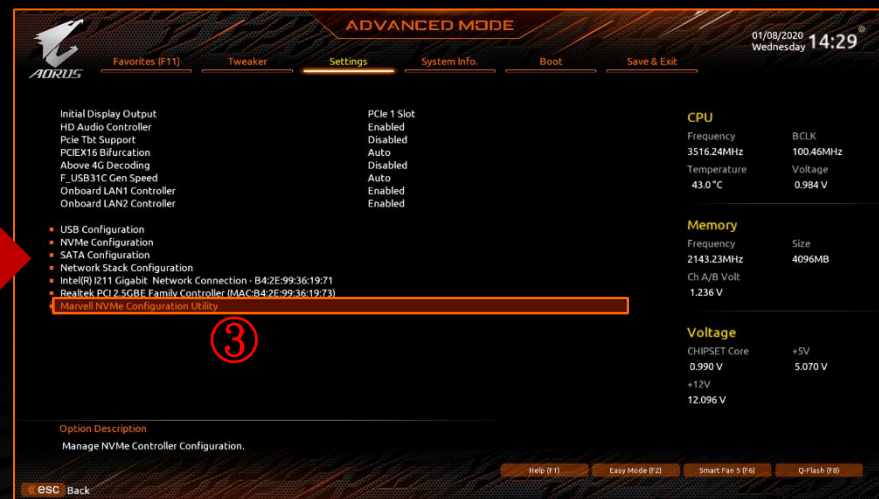
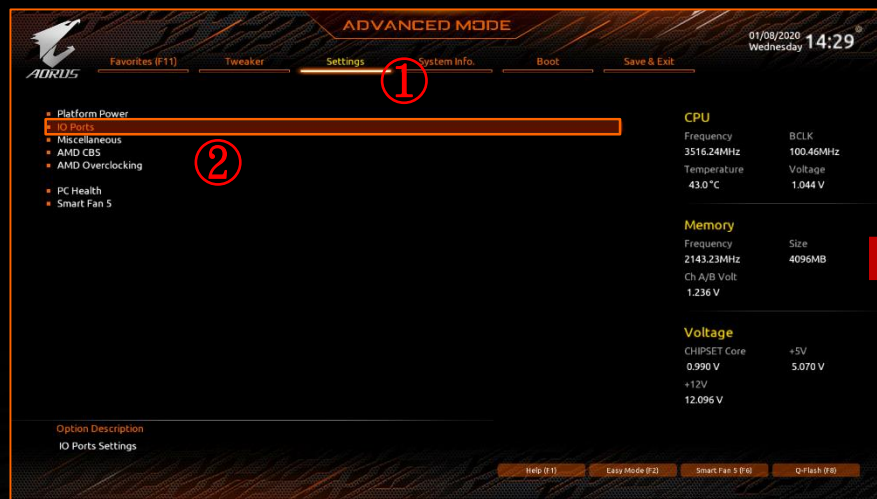
Technical Marketing Department

Background Information

- AORUS RAID SSD 2TB has a default pre-built RAID 0 array. Before you change the RAID mode to 1 ,10 or choose other settings, you need to delete the RAID 0 array first.
- Press [Del] while the system boots to get into the BIOS in order to start the setting.

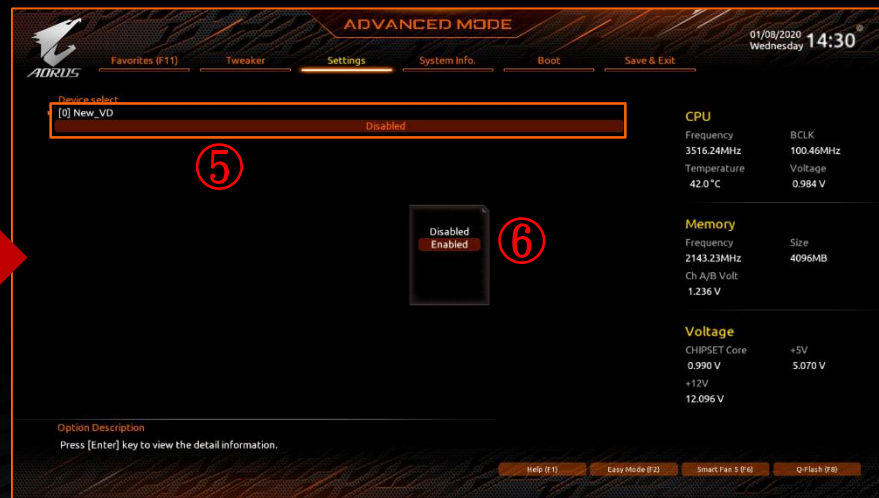
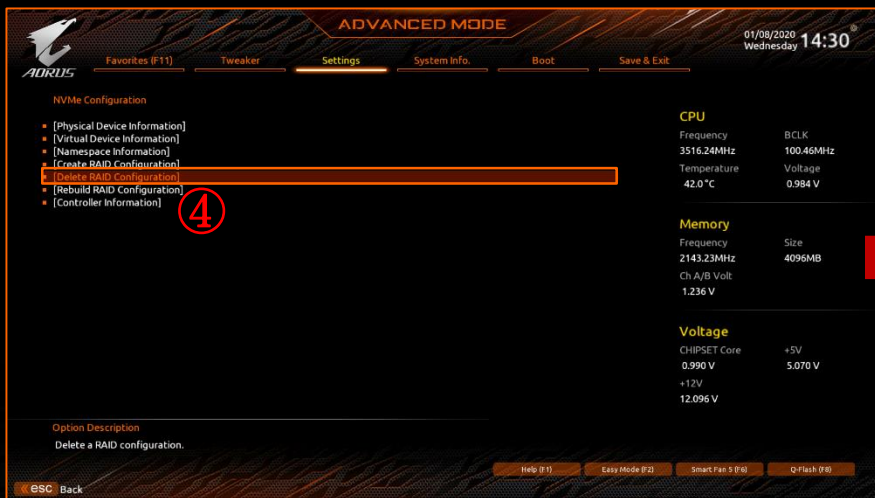
How to Del the Pre-built RAID 0 Array (1)

- Select in order: "Settings" > "IO Ports" > "Marvell NVMe Configuration Utility"



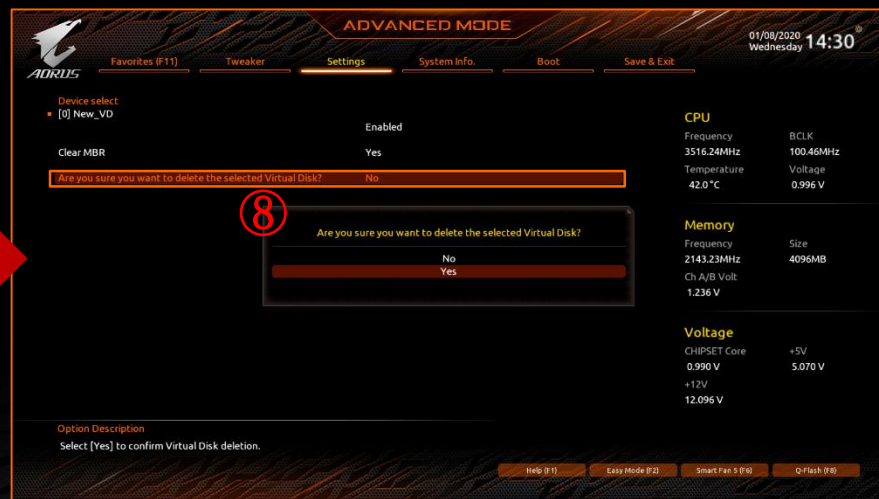
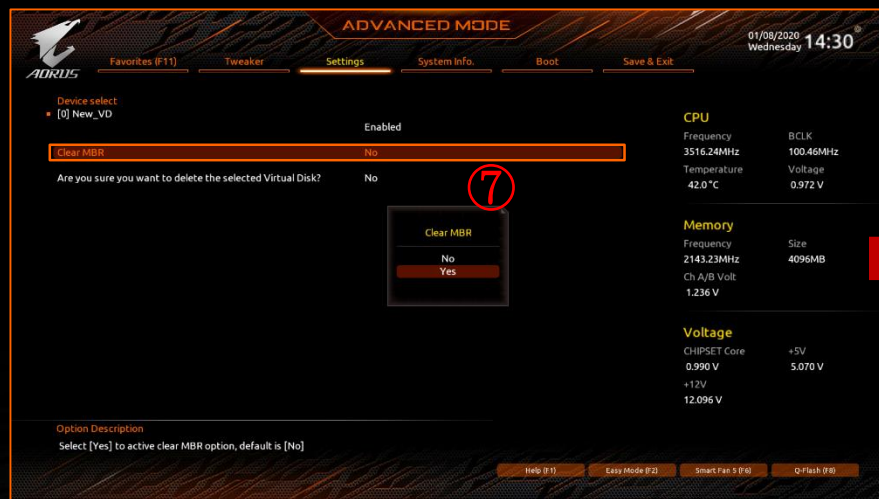
How to Del the Pre-built RAID 0 Array (2)

- Select "Delete RAID Configuration" in NVMe Configuration page.
- Select "[0] New_VD" Device, and set it as **Enable**



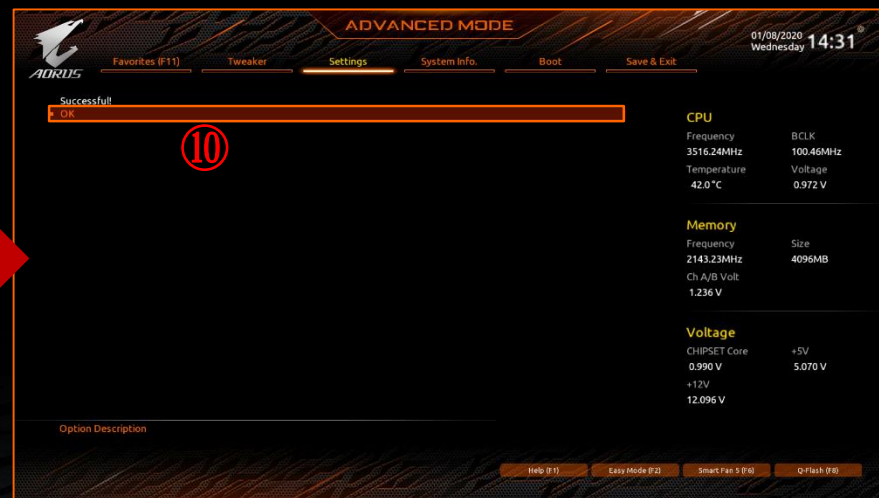
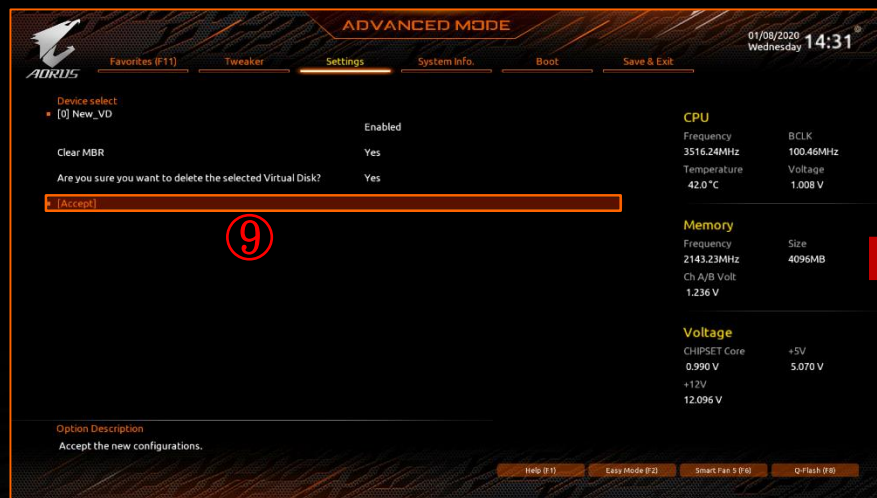
How to Del the Pre-built RAID 0 Array (3)

- Set "Clear MBR" and "Are you sure you want to delete the selected Virtual Disk" as **Yes**.



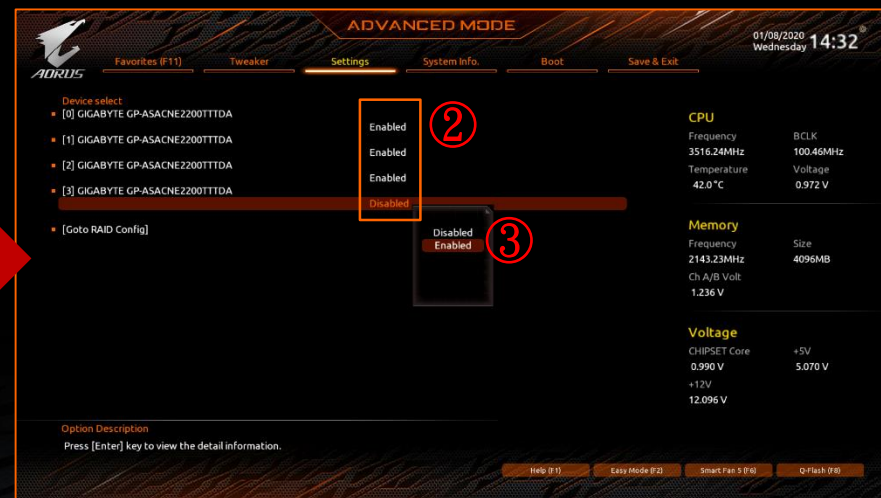
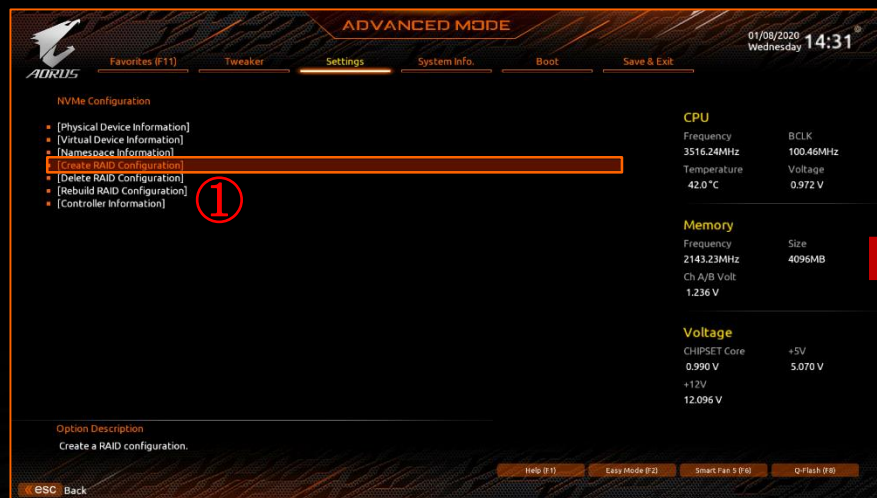
How to Del the Pre-built RAID 0 Array (4)

- Press "Accept" to confirm the deletion of the RAID 0 array then the process will be done.



How to Set Up Other RAID Modes

- Select "Create RAID Configuration" in the NVMe Configuration page.
- Select the devices you want to use in the new RAID build and enable them.



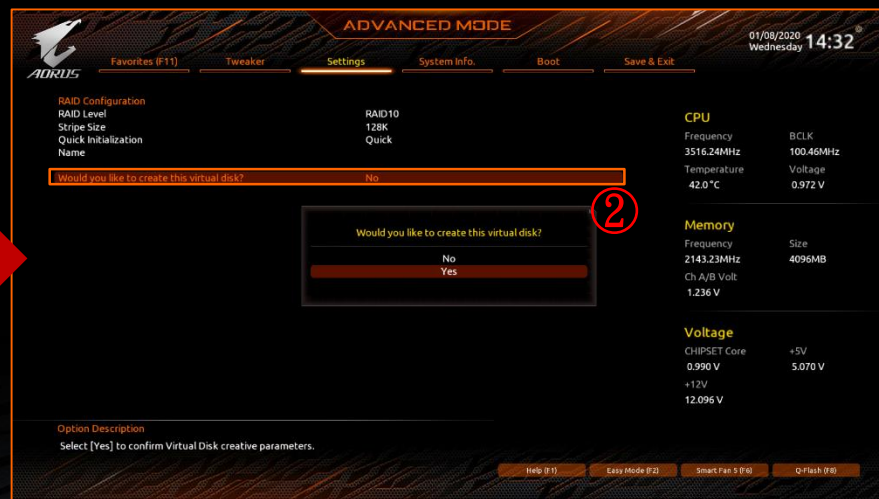
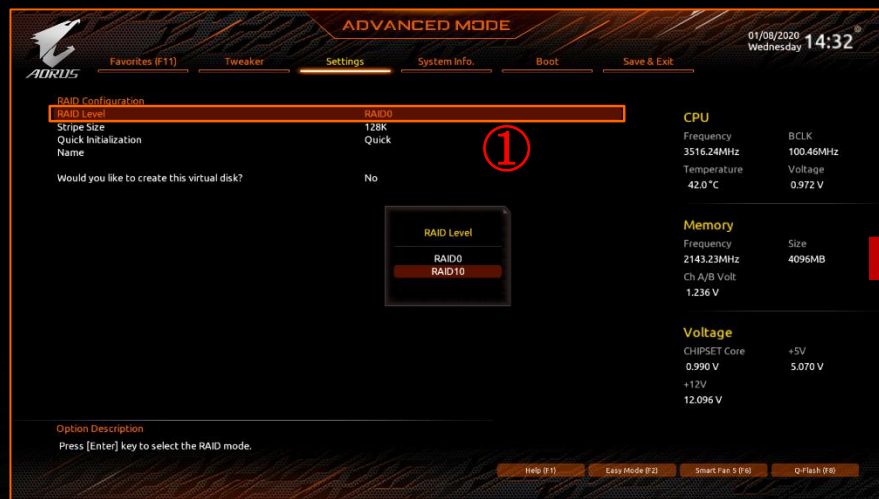
How to Set Up Other RAID Modes (Notice)

- AORUS RAID SSD 2TB supports JBOD, RAID 0, RAID 1 and RAID 10, here are the usages and benefits of using different numbers of devices.

# of devices being used	Supported RAID mode	Usage and benefit
1	JBOD	Split into 4 independent 512GB SSDs for normal use.
2	RAID 0 or RAID 1	RAID 0 : Higher Performance. RAID 1 : Safer Data.
3	RAID 0	Better Performance.
4	RAID 0 or RAID 10	RAID 0 : The Best Performance. RAID 10 : Both Higher Performance and Safer Data.
2+2	RAID 0 + RAID 1	2 for Higher Performance, 2 for Safer Data.
	RAID 0/1 + 2* JBOD	2 for Higher Performance or Safer Data, 2 for normal use.
3+1	RAID 0+1* JBOD	3 for Better Performance, 1 for normal use.

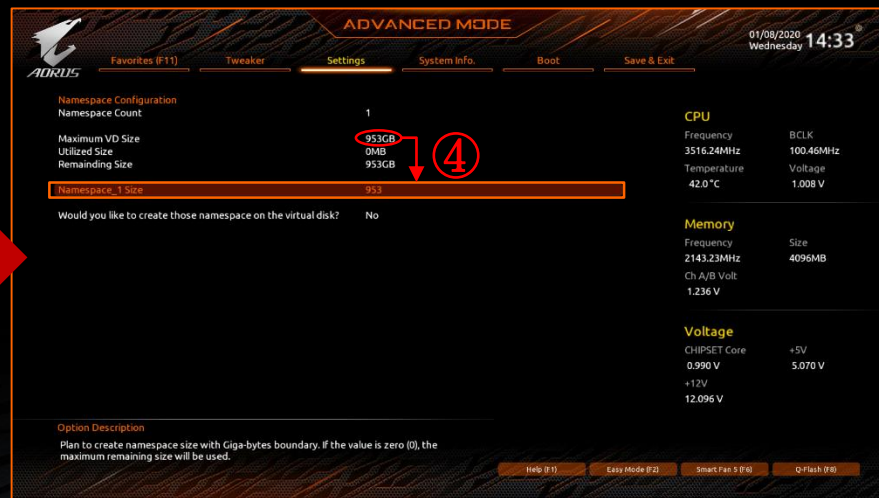
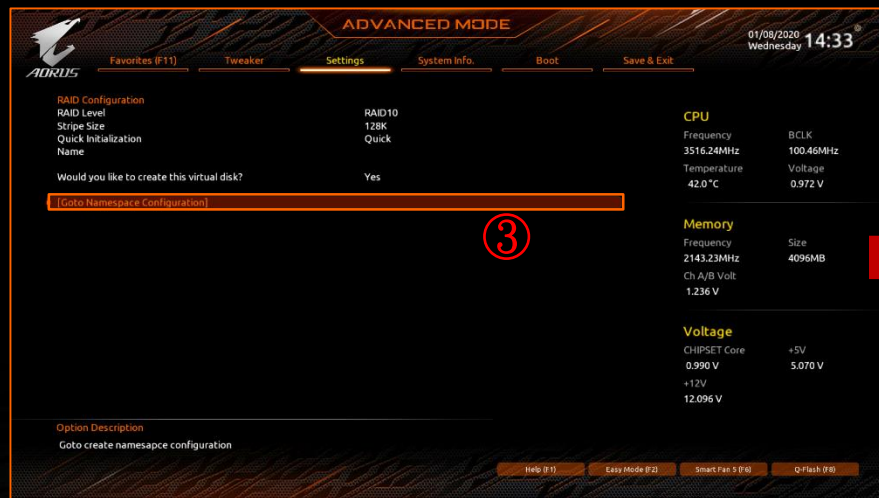
How to Build A RAID 10 Array (1)

- Take RAID 10 build as an example, change the "RAID Level" to RAID 10 and set "Would you like to create this virtual disk" as **Yes**.



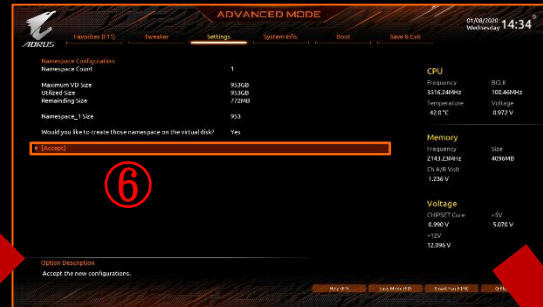
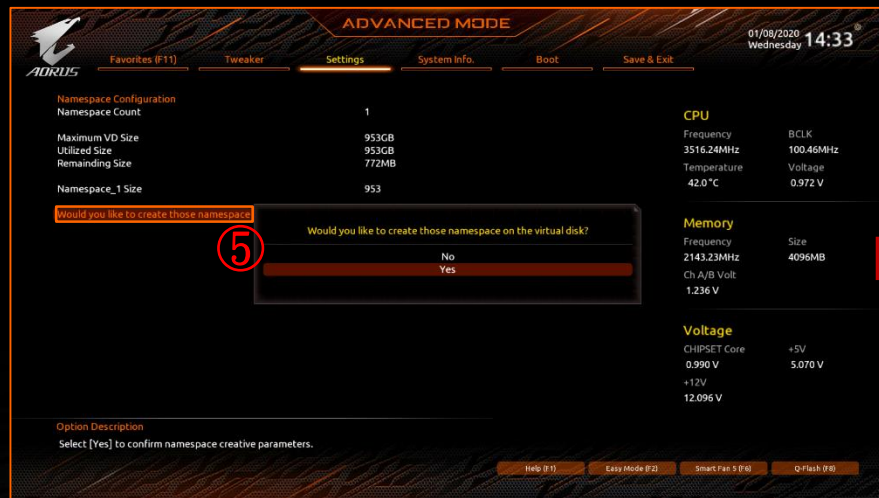
How to Build A RAID 10 Array (2)

- Press "Goto Namespace Configuration" to continue setting process.
- Set the number of "Namespace_1 Size" the same as "Maximum VD size"



How to Build A RAID 10 Array (3)

- Set "Would you like to create this virtual disk" as **Yes** again.
- Press "Accept" to confirm building a RAID 10 array then the process will be done.



Thank You