

The Simple Way to Overclock  
your memory by using XMP

## **DDR4 SPIDER 4/X4 Overclock DRAM by XMP**

### Introduction

What is XMP? DOCP?  
A-XMP?

Overclock Memory

## Introduction

Intel XMP is an automated overclocking technology that enables motherboards to configure memory settings above and beyond the basic rated speeds of the PC industry, which are often significantly slower than the speeds that are actually achievable with a few clicks and compatible hardware.

New PC builders and upgraders without experience with XMP often wonder why their memory doesn't run at its advertised speed or data rate. High-speed memory that operates outside of industry standard specifications doesn't get automatically configured when plugged into most systems. Realizing that most users won't manually overclock their memory to reach its rated above-standard rating, Intel developed an extended configuration table that's stored on each compatible memory module's EEPROM (a tiny flash storage chip), alongside the industry-standard settings which the memory will usually default to when first installed.

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## What is XMP? DOCP? A-XMP?

Regarding to different motherboards and CPU, there are several one-setting and overclock feature name. Those are including XMP, DOCP, and A-XMP.

XMP (Extreme Memory Profile) by Intel is a preprogrammed profile that you can enable in BIOS to set the correct memory settings in one easy step. XMP is exclusive to Intel platforms only.

DOCP and A-XMP is like XMP but developed for use on AMD platforms.

The XMP/DOC/A-XMP are simple setting pre-define profile in BIOS to enhance the best performance built into PCs. It allows users to easily overclock memory by change the profile setting to achieve even better performance than factory defaults without complex and often risky changes to memory voltages or frequencies.

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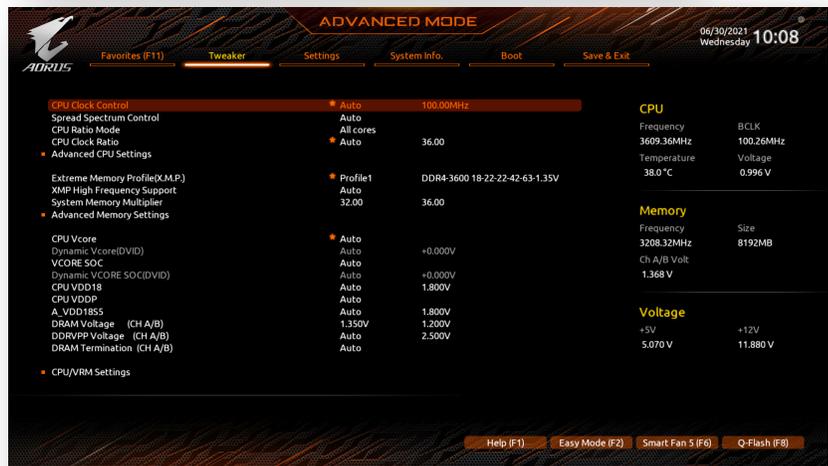
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In order to find the XMP /DOCP setting, you'll need to enter your PC's BIOS

1. Enter the BIOS by pressing "Delete" or "F2" refer to your motherboard/computer manual during the boot process.



3



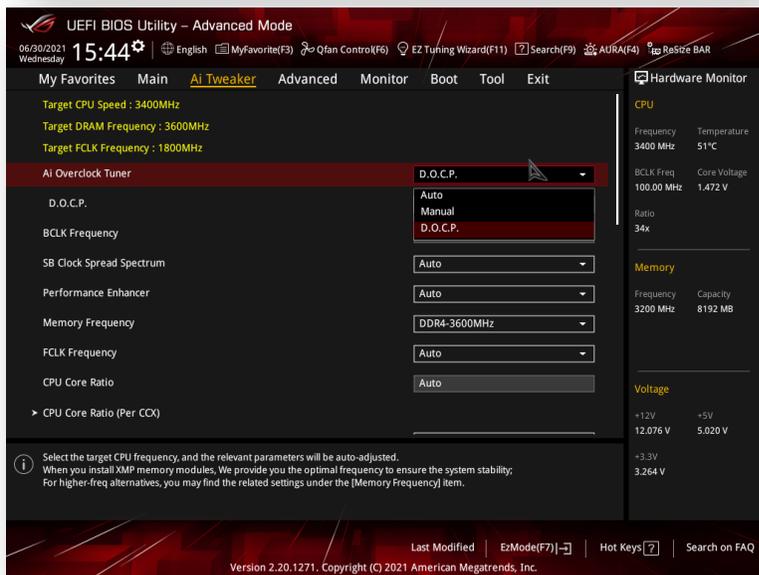
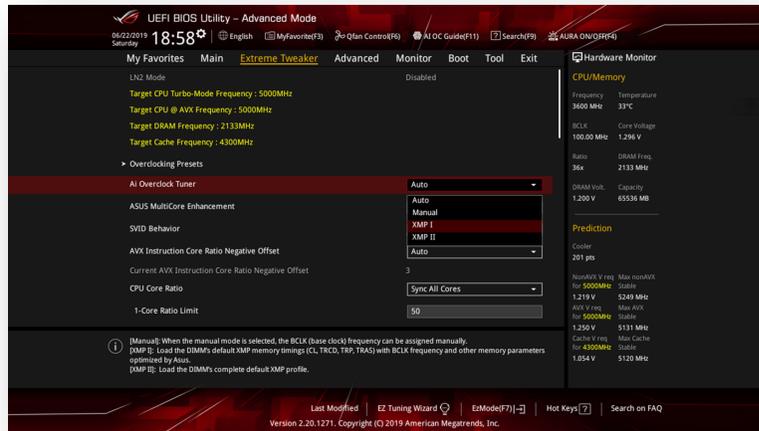
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2. Go to 'XMP (Extreme Memory Profile)' or 'D.O.C.P' and Click "enter".
3. Select profile you want to use.

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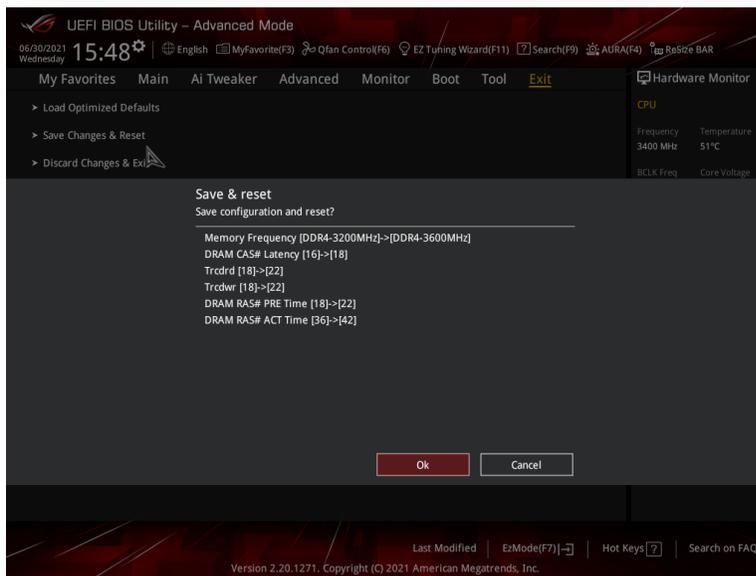
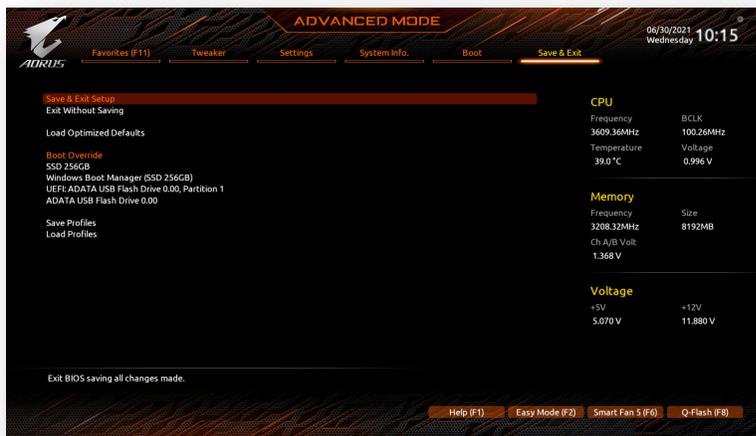
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4. Save and apply your settings and then reboot your PC.



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## If your motherboard support overclocking but doesn't offer XMP feature

If your motherboard support overclocking but doesn't offer XMP feature, the label on the modules will provide the speed, timing and voltage. These settings can be applied manually within the overclocking utility in your motherboard's BIOS to enable the rated speed of the module, (These motherboard might be non-intel platforms.)

## **HEADQUARTER**

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