Trident Z RGB Software Tutorial

Enable Lighting Control on ASUS X99 Motherboards

Introduction

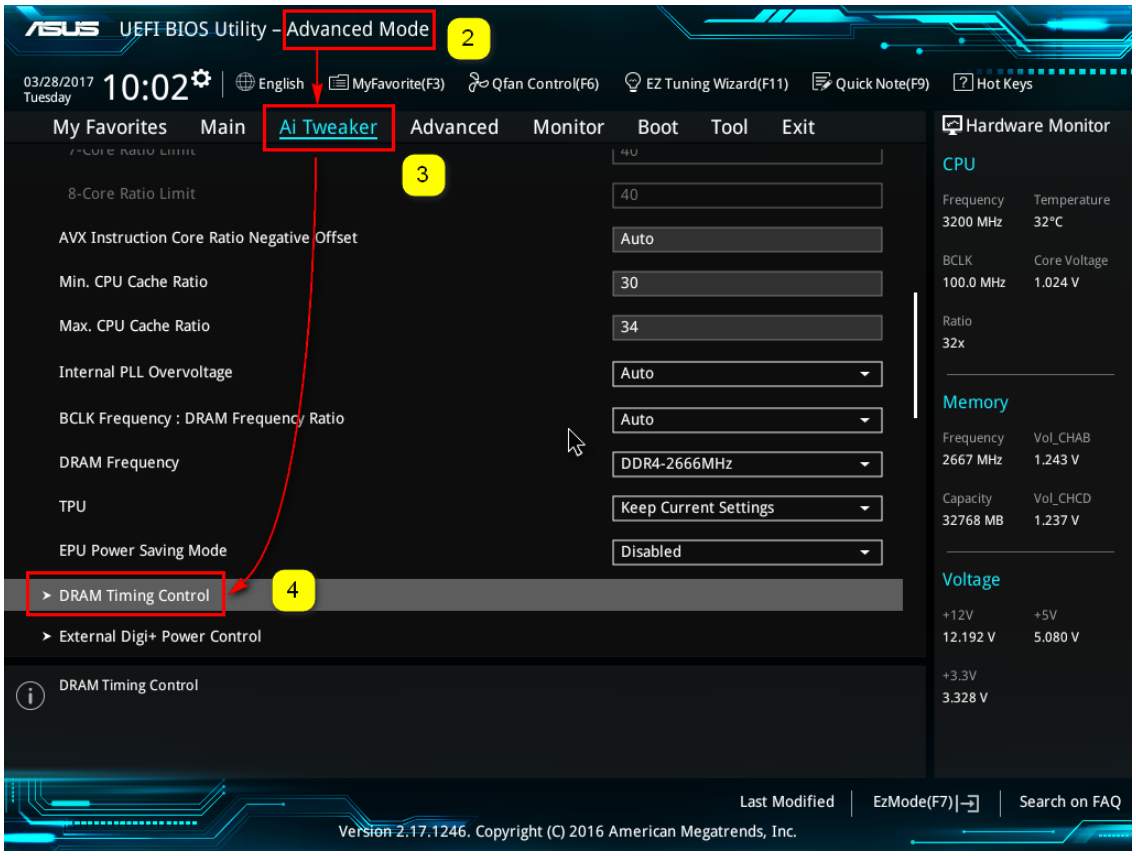
In order to allow and enable Trident Z RGB lighting control on X99 motherboards, a “DRAM SPD Write” function must be enabled. By default, ASUS X99 motherboards have this set to “Disabled”, so we will have to enable this function to use the Trident Z RGB software. At the time of writing, Gigabyte, MSI, and ASRock X99 motherboards have this option enabled by default.

Note: For best results, please make sure BIOS is updated to the latest version.

Instructions

1. **Enter BIOS**. (Press the “DELETE” key while the system is booting to enter BIOS.)
2. Check and make sure you are in the “Advanced Mode”.
    a. If you are in the “EZ Mode”, press the “F7” key to switch to the “Advanced Mode” menu.
3. Navigate to the “**Ai Tweaker**” tab.
4. Scroll down to find “**DRAM Timing Control**” and press “Enter”.
5. Scroll all the way down to the bottom inside the “DRAM Timing Control” menu, and you will see a “**DRAM SPD Write**” option.
6. Press “Enter” or “Page Up/Down” to select “**Enable**”.
7. Press “F10” key to save and exit the BIOS.
8. After rebooting into the Windows OS, the Trident Z RGB software should be able to detect the memory modules and allow you to set lighting effects.

[See next page for example images.]


UEFI BIOS Utility – Advanced Mode
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English
MyFavorite(F3)
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8-Core Ratio Limit
40
AVX Instruction Core Ratio Negative Offset
Auto
Min. CPU Cache Ratio
30
Max. CPU Cache Ratio
34
Internal PLL Overvoltage
Auto
BCLK Frequency : DRAM Frequency Ratio
Auto
DRAM Frequency
DDR4-2666MHz
TPU
Keep Current Settings
EPU Power Saving Mode
Disabled
DRAM Timing Control
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External Digi+ Power Control
DRAM Timing Control
Hardware Monitor
CPU
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3200 MHz
Temperature
32°C
BCLK
100.0 MHz
Core Voltage
1.024 V
Ratio
32x
Memory
Frequency
2667 MHz
Vol_CHAB
1.243 V
Capacity
32768 MB
Vol_CHCD
1.237 V
Voltage
+12V
12.192 V
+5V
5.080 V
+3.3V
3.328 V
Last Modified
EzMode(F7)
Search on FAQ
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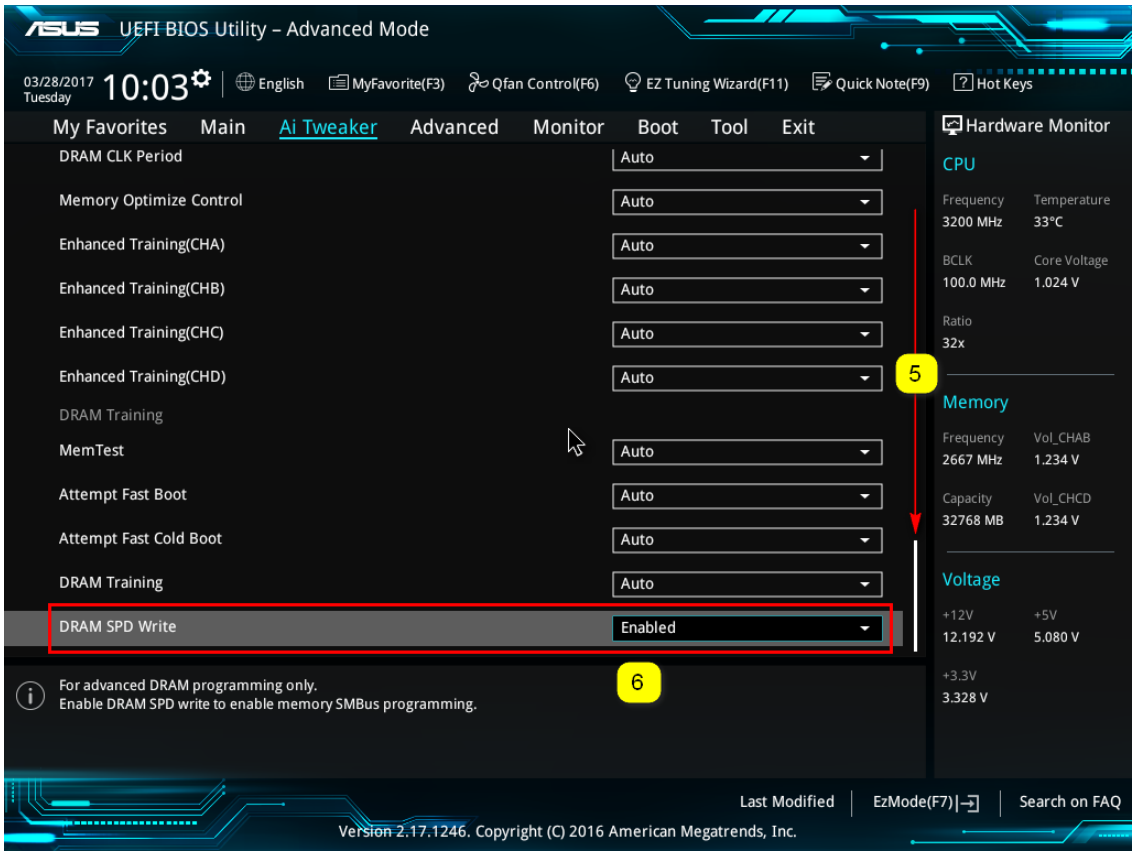
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DRAM CLK Period
Auto
Memory Optimize Control
Auto
Enhanced Training(CHA)
Auto
Enhanced Training(CHB)
Auto
Enhanced Training(CHC)
Auto
Enhanced Training(CHD)
Auto
5
DRAM Training
MemTest
Auto
Attempt Fast Boot
Auto
Attempt Fast Cold Boot
Auto
DRAM Training
Auto
DRAM SPD Write
Enabled
6
For advanced DRAM programming only.
Enable DRAM SPD write to enable memory SMBus programming.
Hardware Monitor
CPU
Frequency
3200 MHz
Temperature
33°C
BCLK
100.0 MHz
Core Voltage
1.024 V
Ratio
32x
Memory
Frequency
2667 MHz
Vol_CHAB
1.234 V
Capacity
32768 MB
Vol_CHCD
1.234 V
Voltage
+12V
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