DRAGON CENTER
User Guide

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About DRAGON CENTER

- Optimize game settings and enjoy a high quality gaming experience.
- System performance tuning, you can choose overclock or silent.
- Monitor system information.
- Adjust the color of the screen display and enjoy better visual effects.
- Register your MSI products.
- Control the LED light effects and synchronize effects of your devices.
- Manage network connection settings.
- Use utilities to control special features.

Important

THE SOFTWARE FEATURES IN THIS USER GUIDE VARY BY PRODUCT.

THE SOFTWARE SCREENSHOTS IN THIS USER GUIDE ARE FOR REFERENCE ONLY AND THE ACTUAL SCREEN MAY VARY.

Get Started

System Requirements

- Operating System:
  - Windows 10 32-bit
  - Windows 10 64-bit

Supported Hardware

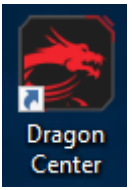
- Motherboard:
  - MSI Z390 series motherboards or newer
- Graphics card:
  - MSI GAMING series graphics cards or newer

Installing DRAGON CENTER

1. Start up your computer in Windows® operating system.
2. Insert MSI® Driver Disc into your optical drive.
3. Click the **Select to choose what happens with this disc** pop-up notification, then select **Run DVDSetup.exe** to open the installer. If you turn off the AutoPlay feature from the Windows Control Panel, you can still manually execute the **DVDSetup.exe** from the root path of the MSI Driver Disc.
4. Click the **Utilities** tab.
5. Select the **DRAGON CENTER**.
6. Click the **Install** button in the lower-right corner of the window.
7. The installation will then be in progress, after it has finished it will prompt you to restart.
8. Click **OK** button to finish.
9. Restart your computer.

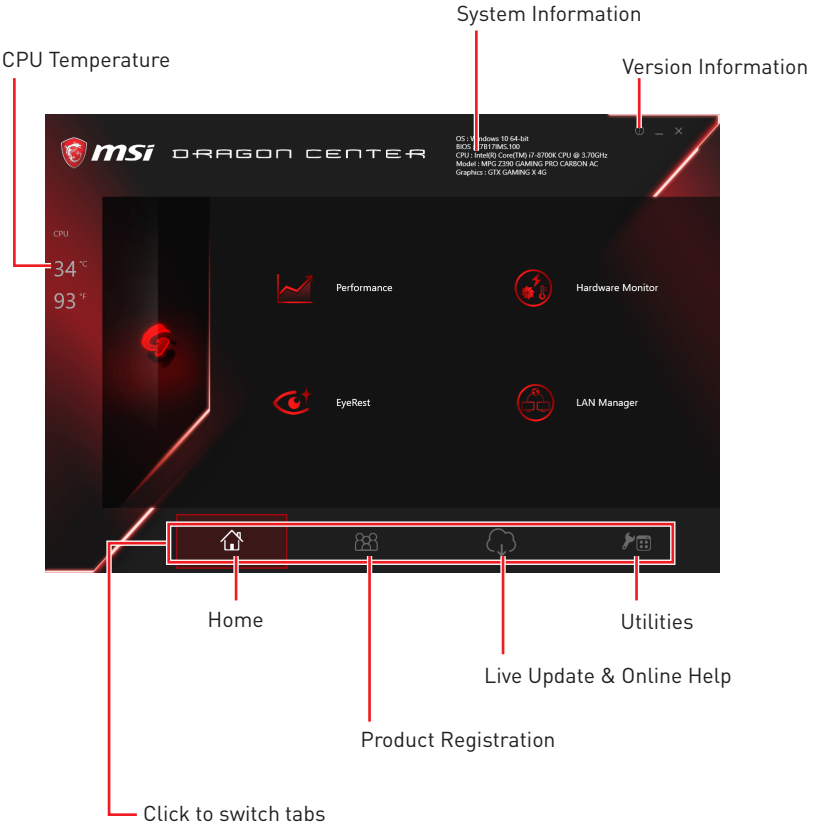
Launching DRAGON CENTER

Double-click the DRAGON CENTER icon on the Windows® desktop.



DRAGON CENTER Basics

Main menu



Important

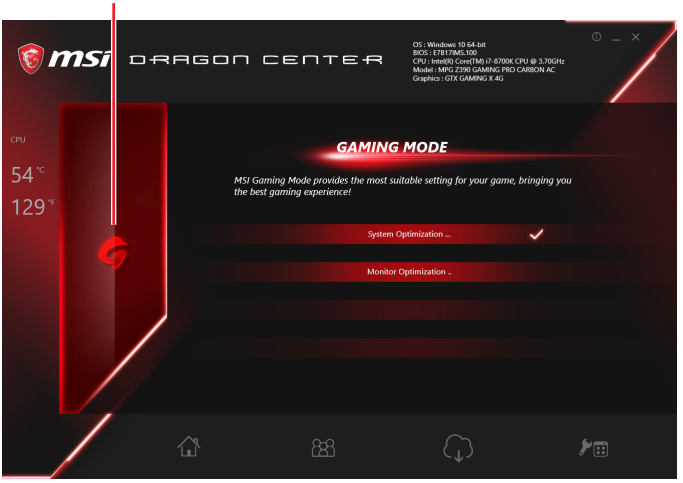
The software screenshots in this user guide are for reference only and the actual screen may vary.

Game Optimization

The Gaming Mode feature will optimize the computer system, monitor, cooler and other peripherals to provide the best gaming experience.

Gaming Mode

Click **G** symbol to enable/disable Gaming Mode.



Important

- *Once Gaming Mode is activated, DRAGON CENTER would be locked until you disable Gaming Mode.*
- *Gaming Mode doesn't support PRO Series Motherboards.*

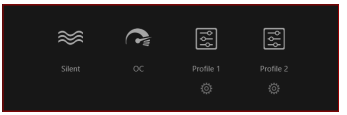
Performance Settings

Selecting Performance Preset

The DRAGON CENTER has an OC, a silent and two customized preset options.

1. On the **Home** tab, click **Performance**. A dialog window will pop-up.

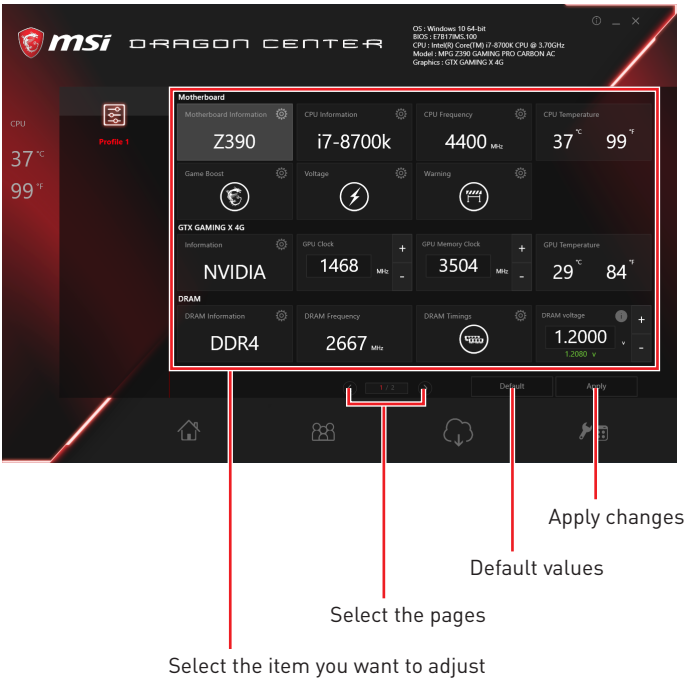
2. Select one of the options.



- Silent - low performance settings maintain low noise.
- OC - set the system for overclocking.
- Profile 1, Profile 2 - allows you to customize the settings.

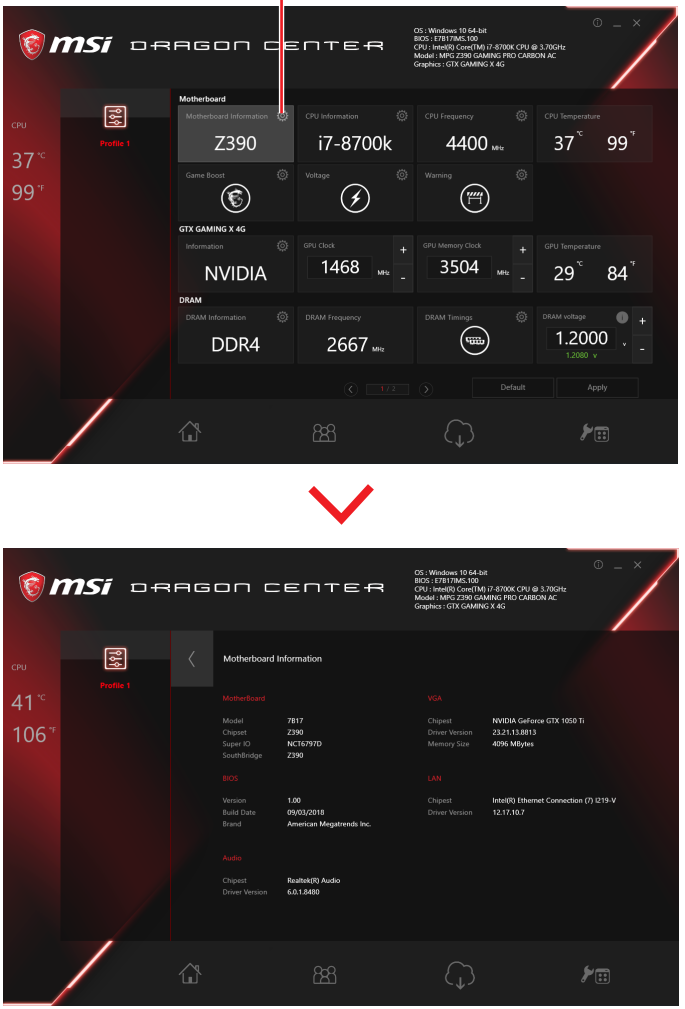
Setting Profile Options

Under **Profile 1** or **Profile 2** select Setting .

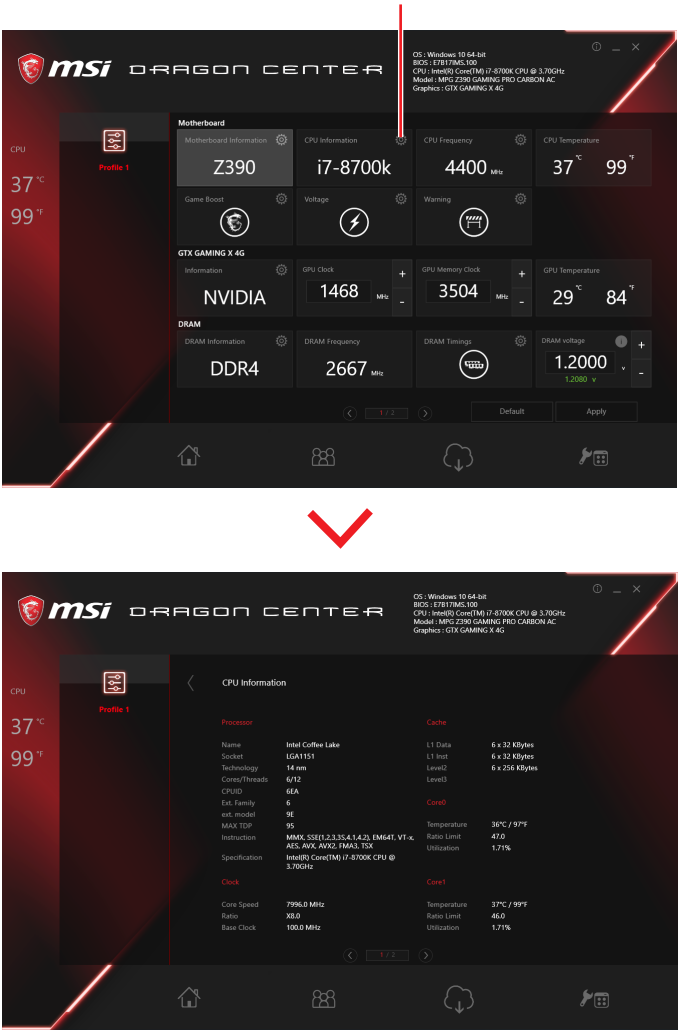


How to Check the Motherboard Information

Click the Motherboard Information option

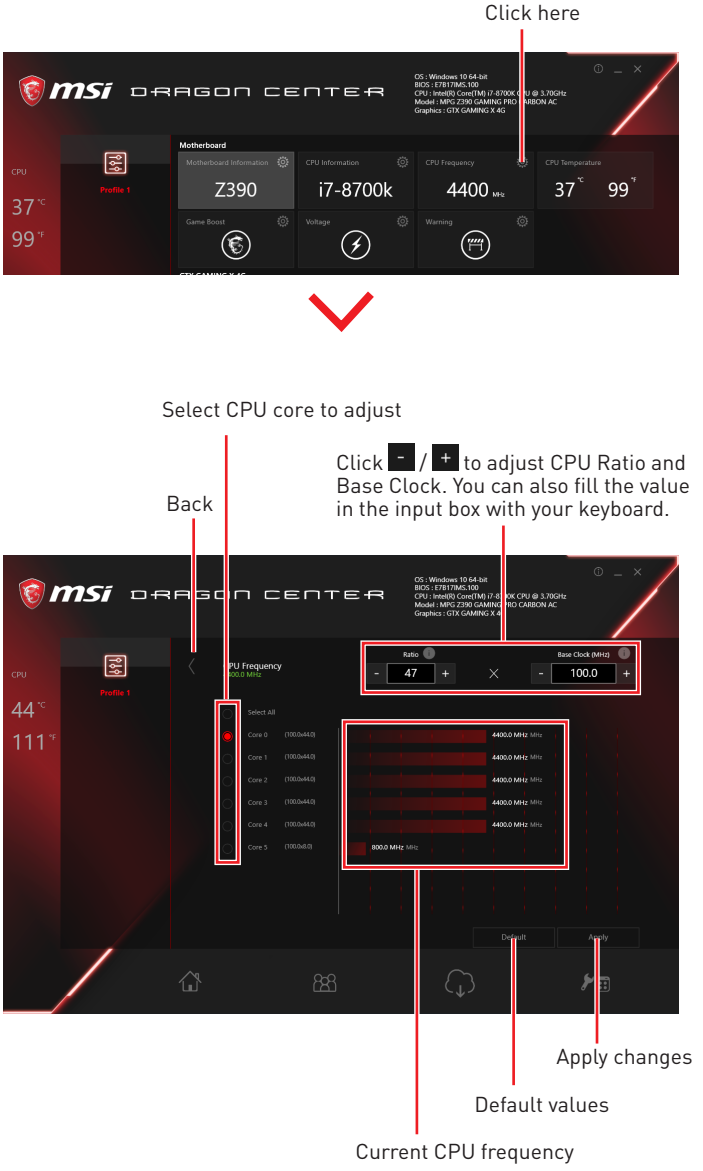


How to Check the CPU Information



How to Adjust the CPU Frequency

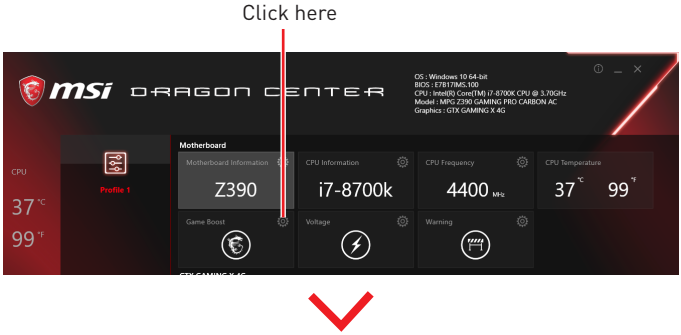
1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. Click the **CPU Frequency** setting .



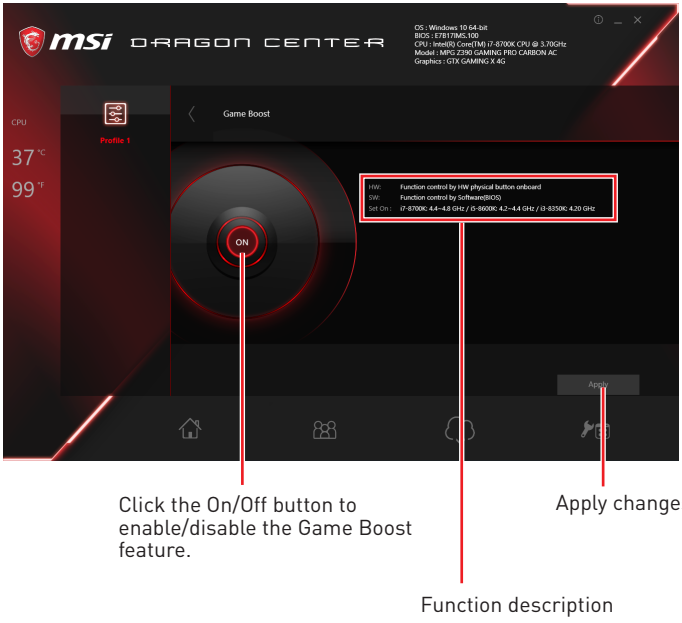
How to Use Game Boost

The GAME BOOST feature allows you to overclock your computer.

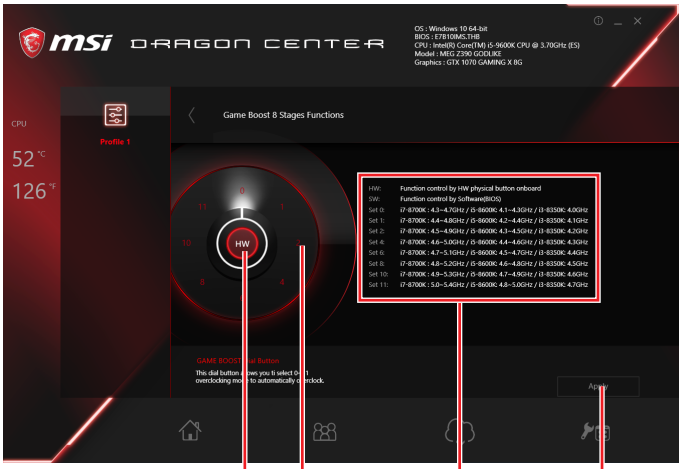
1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. Click the **Game Boost** setting .



For Motherboard with Game Boost



For Motherboard with Game Boost 8 Stages



Apply changes

Function description

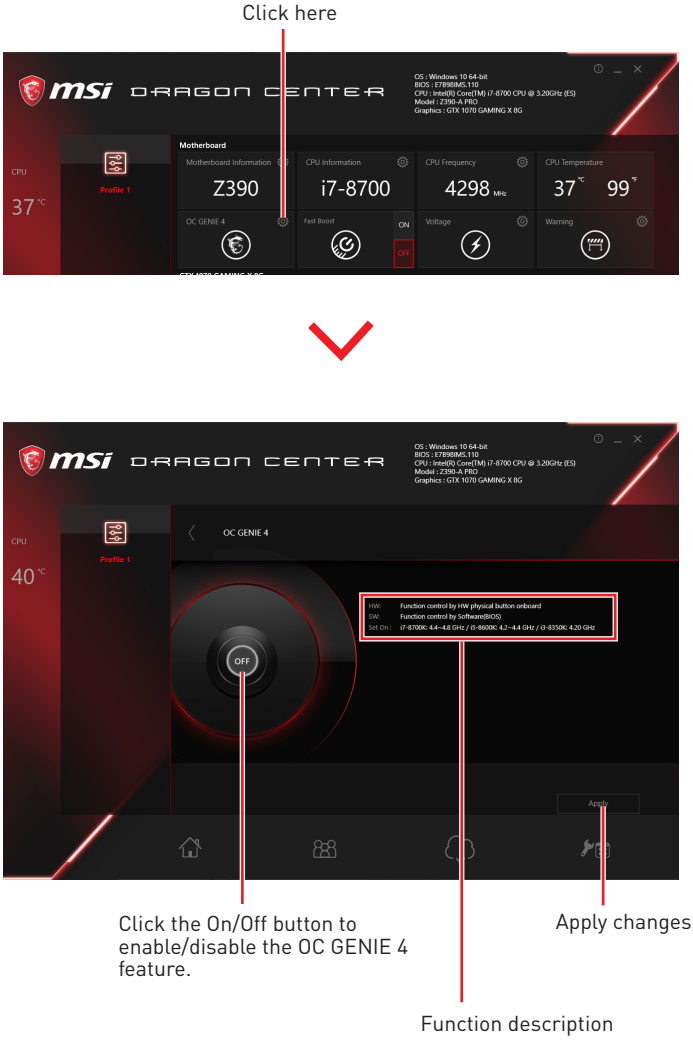
Click 0~11 number to select a stage from number 0 (default) to number 11 (extreme) for overclocking the processor.

DRAGON CENTER provides the software interface instead of GAME BOOST knob on the motherboard. You can click on the center button to switch GAME BOOST control between software (SW) and hardware (HW).

How to Use OC GENIE 4

The OC GENIE 4 feature allows you to overclock your computer.

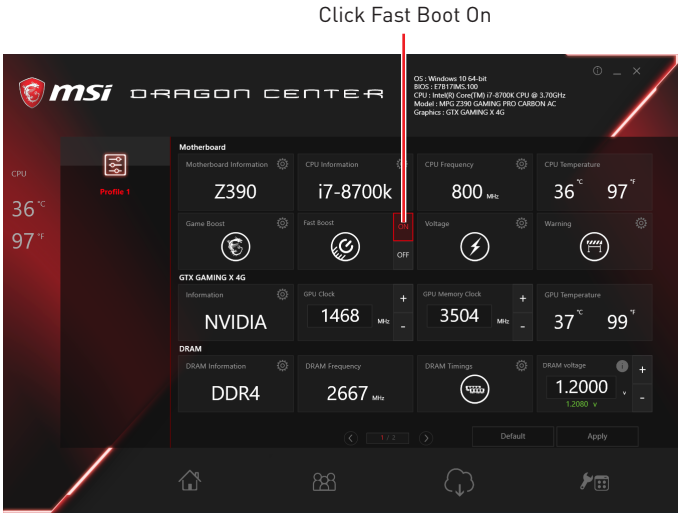
1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. Click the **OC GENIE 4** setting .



How to Enable Fast Boot

The Fast Boot feature can shorten boot time.

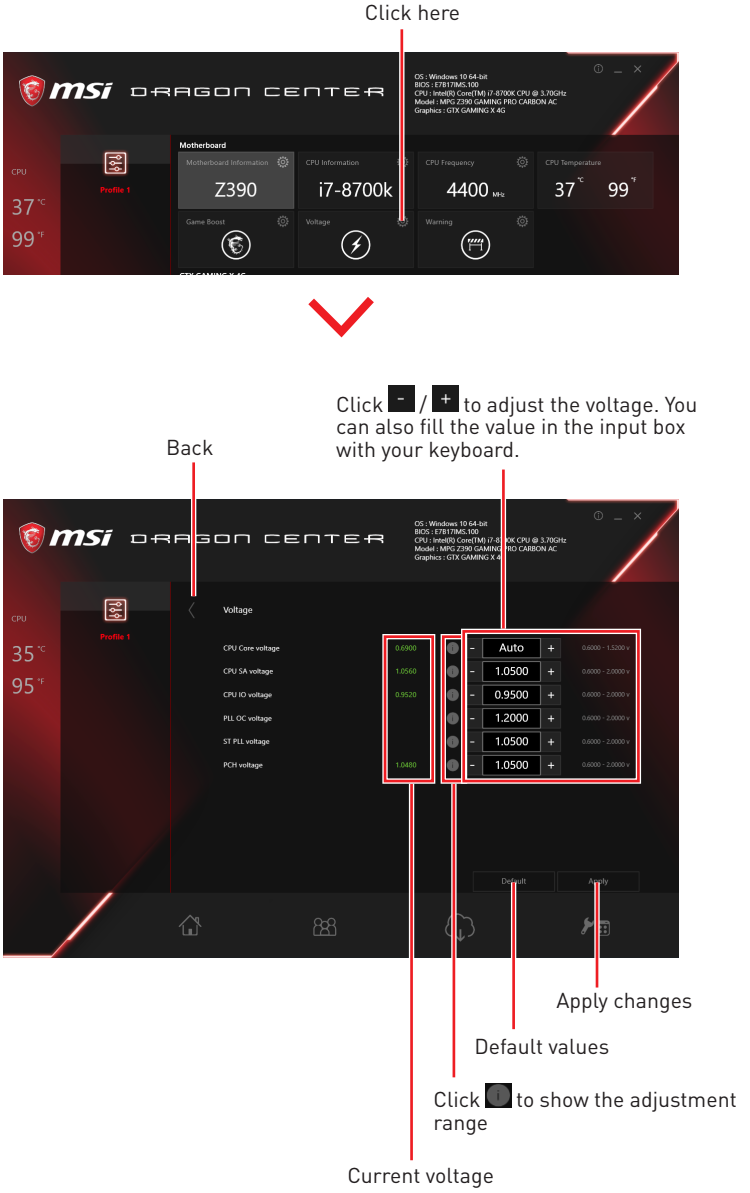
1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. Click the **Fast Boot** On .



3. Click the Apply button to apply change.

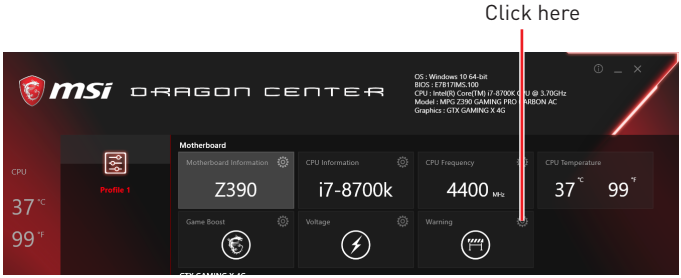
How to Adjust the Voltage

1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. Click the **Voltage** setting .

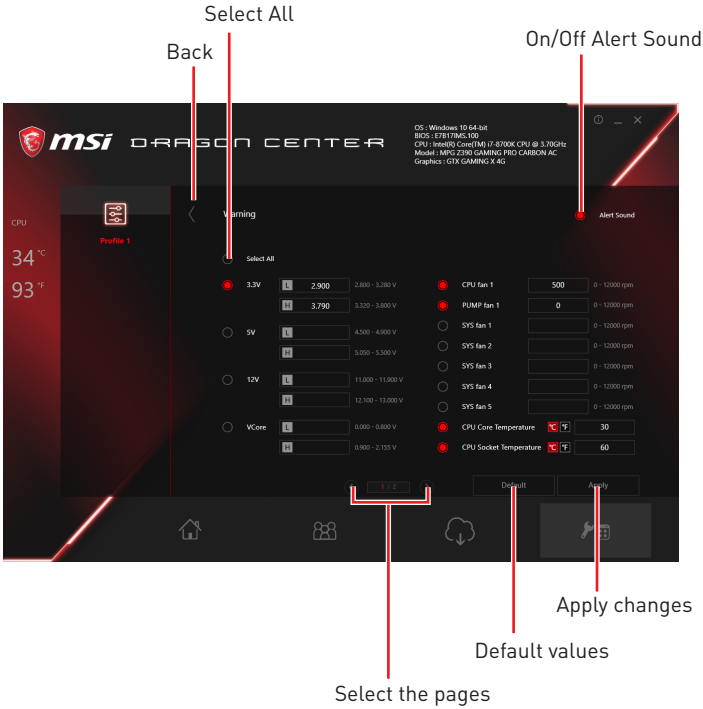


How to Use the Warning Alert

1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. Click the **Warning** setting .



3. Select warning items to receive alerts.
4. Enter the values for the warning and alert status.
5. Click the Apply button to apply change.



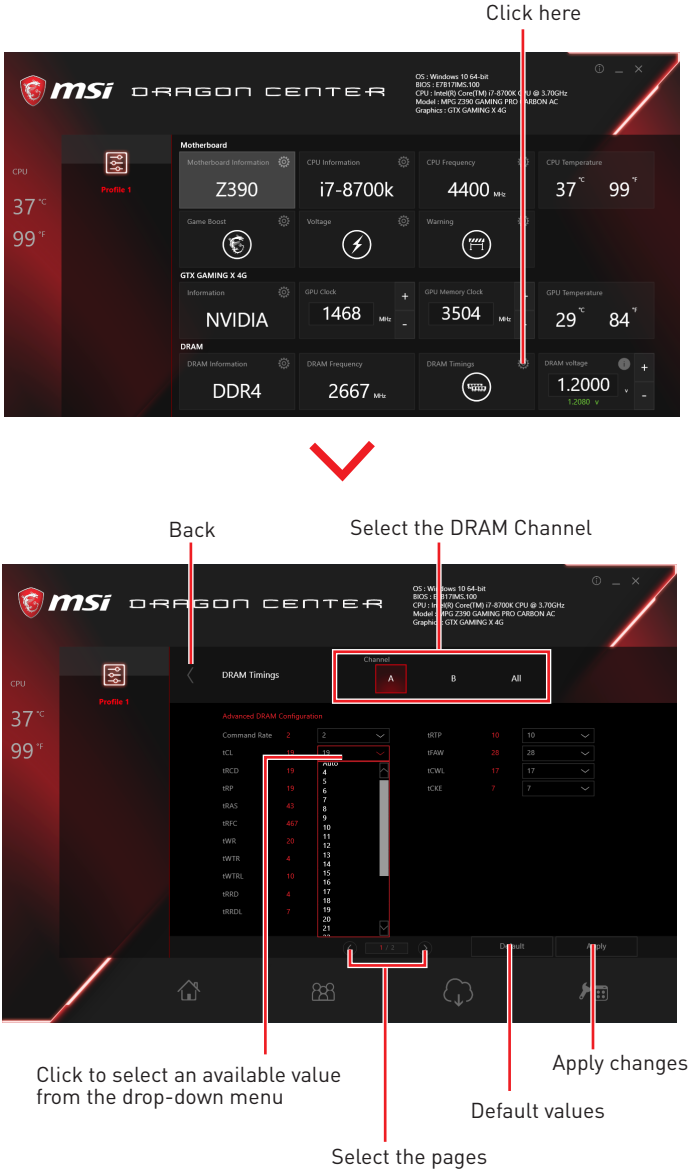
How to Adjust the GPU and GPU Memory Clock

1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.

2. Click + / - to adjust GPU Clock and GPU Memory Clock. You can also fill the value in the input box with your keyboard.
3. Click the Apply button to apply change.

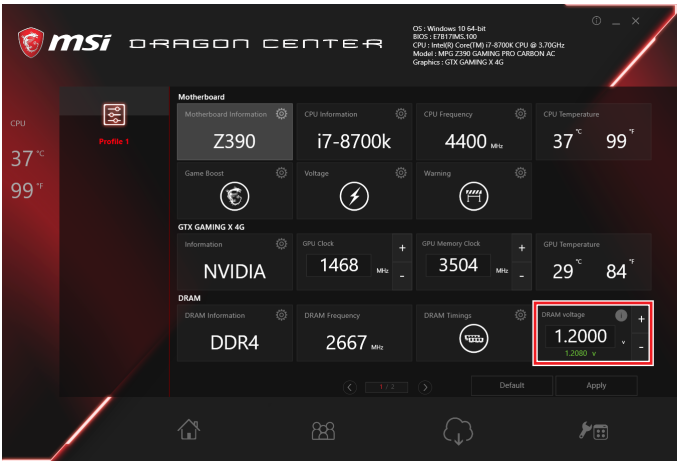
How to Adjust the DRAM Timing

1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. Click the **DRAM Timings** setting .



How to Adjust the DRAM Voltage

1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.



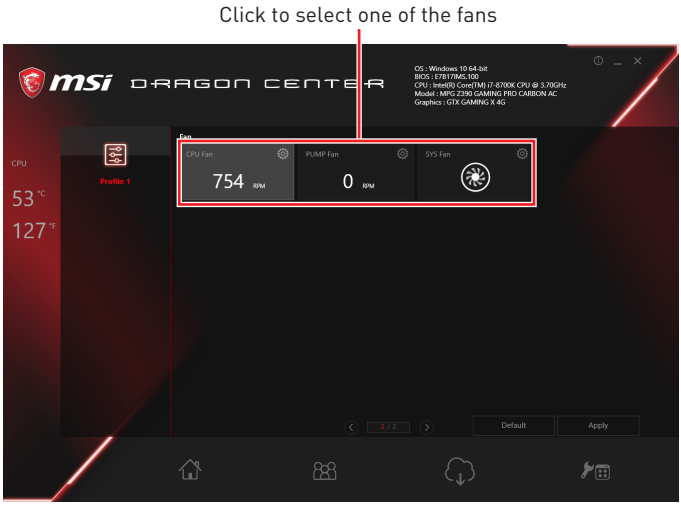
2. Click + / - to adjust DRAM Voltage. You can also fill the value in the input box with your keyboard.
3. Click the Apply button to apply change.

Adjusting the Fan Speed

Fan speed control panel provides Smart Fan and Manual Fan. You can switch the control mode by clicking the Smart Fan and Manual Fan buttons on the top of the Fan control panel.

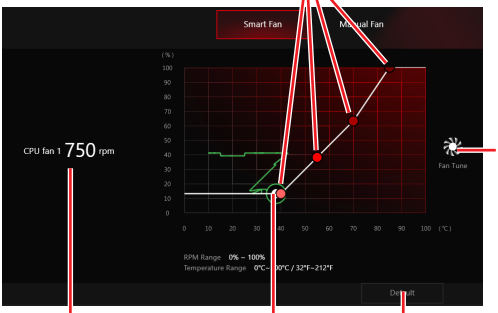
How to enter the fan speed control panel

1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. You may need to click ❯ to switch to page 2.
3. Click the **CPU Fan, PUMP Fan** or **SYS Fan** setting ⚙.



How to use the Smart Fan control panel

The Smart Fan control panel contains 4 dots which allows you to drag and adjust the Smart Speed slopes. The fan speed will change along with the Smart Speed curve.



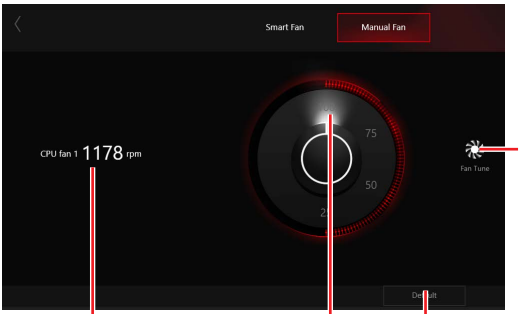
Fan Tune - click to automatically optimize the smart fan setting.

Current fan speed

Default setting

The white dot will create strip chart in real time.

How to use the Manual Fan control panel



Fan Tune - click to automatically optimize the smart fan setting.

Current fan speed

Default setting

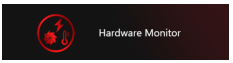
Click the percentage to manually control the fan speed.

Hardware Monitor

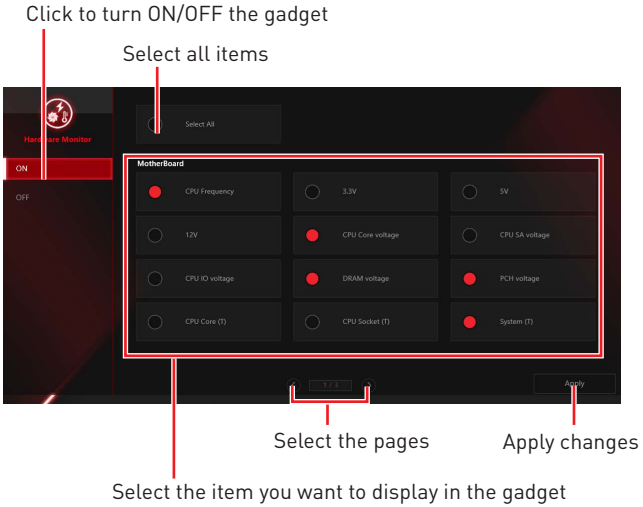
Hardware Monitor feature provides a custom hardware monitor gadget to display the system status.

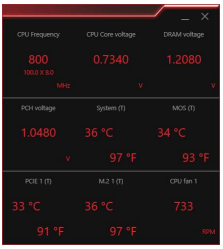
How to Use the Hardware Monitor

1. On the **Home** tab, click **Hardware Monitor**.



2. Select the item you want to display in the gadget.
3. Turn on the gadget and apply, the gadget will appear.





Hardware Monitor Gadget

EyeRest

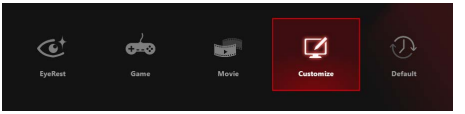
EyeRest feature allows you to optimize the display on your monitor.

Selecting EyeRest Preset

The DRAGON CENTER has EyeRest, Game, Movie, Customize and Default preset options.

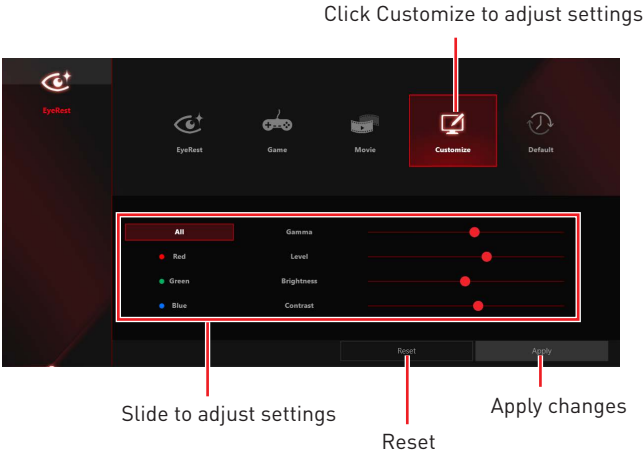
1. On the **Home** tab, click **EyeRest**.

2. Select one of the options.



- **EyeRest** - reduces blue light of your computer screen for eye care.
- **Gaming** - enhances the contrast of the screen.
- **Movie** - enhances the dynamic contrast of the screen.
- **Customize** - allows you to adjust gamma, contrast and color balance of your computer screen. Please refer to the instructions below.
- **Default** - uses the system default setting.

Adjusting Customize Preset



LAN Manager

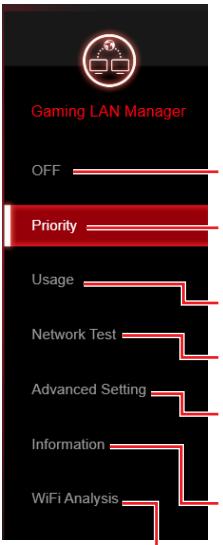
LAN MANAGER is a utility for Windows 10 network traffic shaping. It keeps your internet speed during heavy uploads/downloads and reduces the ping value of online games. If your motherboard has a Wi-Fi module, it can also provide virtual access point functionality for your mobile device for traffic shaping.

To use LAN Manager:

1. Install the LAN driver.
2. Connect your computer to the Internet.
3. On the **Home** tab of DRAGON CANTER, click **LAN Manager**.

4. Select the control panel on the left menu.

Control panel menu:



OFF (default) - turn off the LAN Manager.

Priority - customizes application network bandwidth priorities.

Usage - displays the application network usage status.

Network Test - allows you to setup bandwidth control.

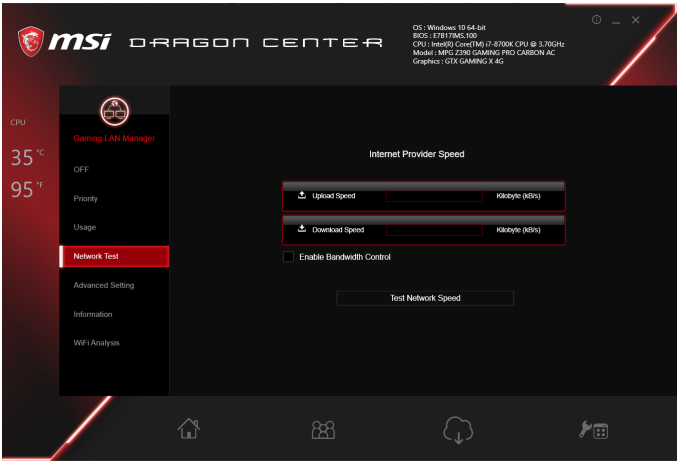
Advanced Setting - allows you to expand RWIN to accelerate download speed. You can also block IP address and setup virtual access point.

Information - shows version information.

WiFi Analysis - shows the Wireless network around you.

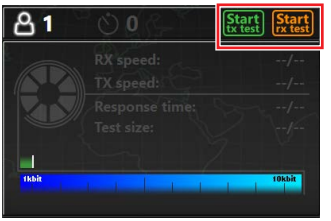
Setting Network Speed

1. Select the **Network Test** control panel.



2. Click

3. cFos Speed Test web page will be opened.



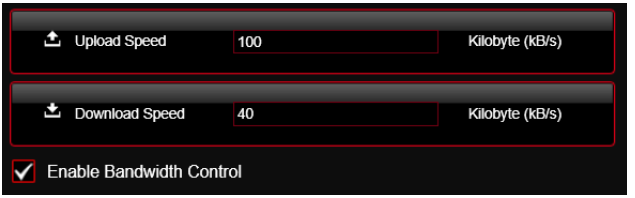
4. Click

to test Upload speed, and click

to test Download speed.

5. Fill in the speed test results in the **Upload speed** and **Download speed** input boxes.

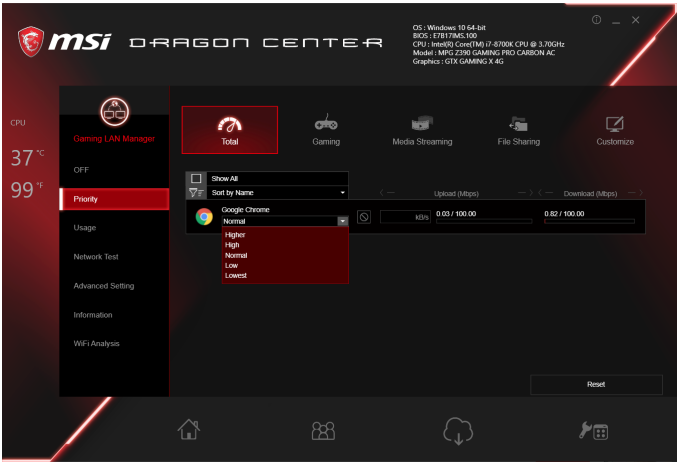
6. Check the **Enable Bandwidth Control** checkbox.



Customizing Application Priorities

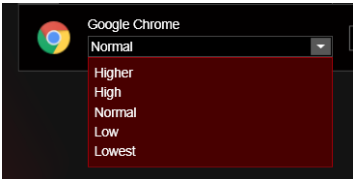
The Priority control panel displays currently using network bandwidth applications.

1. Test and set the network speed as described previously.
2. Select the **Priority** control panel.



3. Use the category bar to filter the displayed applications categories.

4. Click the drop-down menu next to the application name to select the priority of the application.



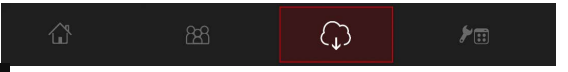
Note: To stop some applications from using bandwidth, you can click *to block the application.*

Mystic Light (Install by Live Update)

Mystic Light is an utility that allows you to control LED light effects of MSI & partner products. For some earlier products, you can go to product download page to download the applicable LED control software.

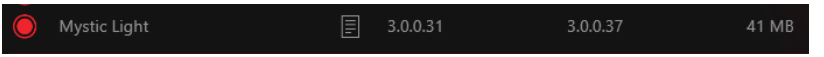
Installing Mystic Light

1. Click the **Cloud** on the tab bar.

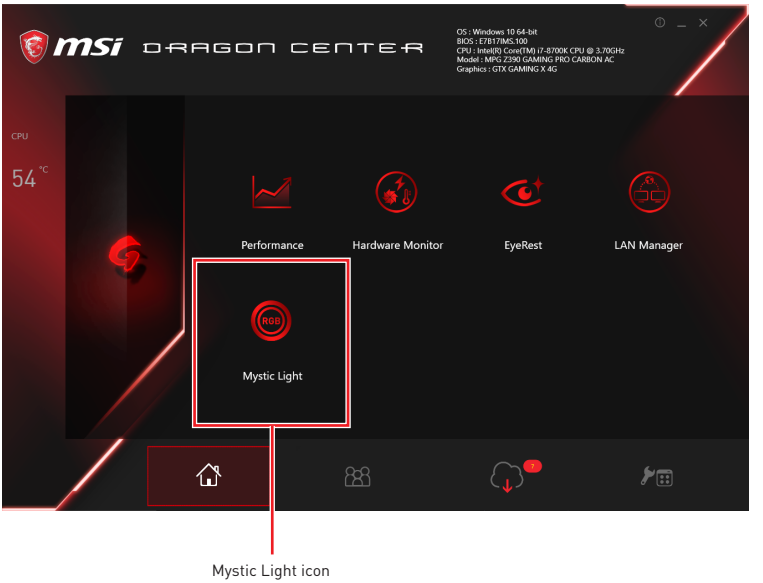


2. Click Scan at the top. It may take several moments to complete the process.

3. Select **Mystic Light** in the Live Update scan list.

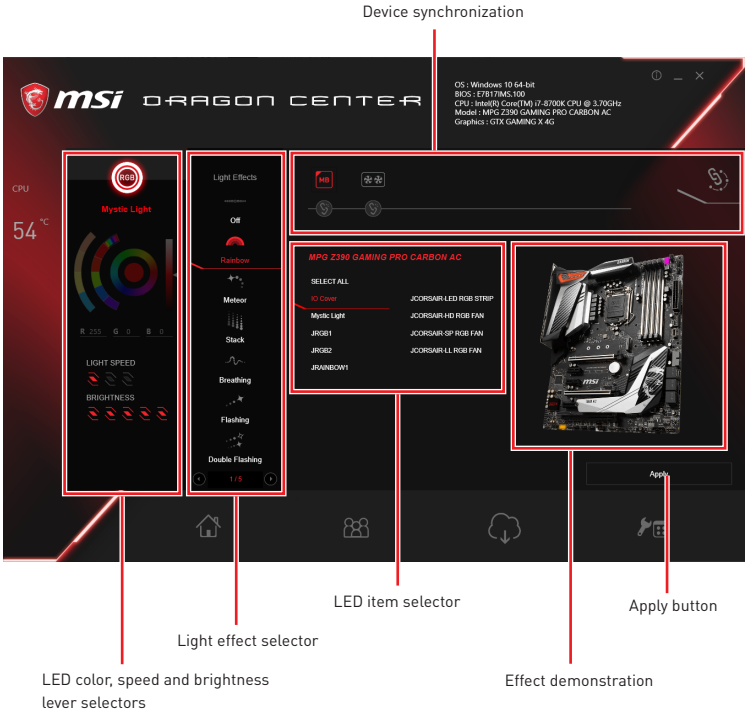


4. Click the **Install** button at the bottom. It may take several moments to complete the process.
5. Once the installation is complete, you can find the Mystic Light icon in the Home tab.



Device Control Panel Overview

When you enter the Mystic Light utility, there will be a list of auto-detected devices on the top of the control panel. You can click the device icon to switch control panel between devices from the list and you can synchronize their LED effects.



• **LED Color selector** - In this section, you may select the color for single light effects (Stack, Breathing, Flashing etc.).

The outer arc is a custom color picker and the inner arc is the default color picker that cannot be changed. You can simply change the LED color by clicking on the color on the outer or inner arc. To store a custom color, click one of the color slots on the outer arc to store the color of your choice.

Use the Hue Circle to choose the color you want. The color you choose will be displayed on the center circle. Drag the brightness slider up to increase brightness or drag down to decrease brightness.

You can specify a color by editing an RGB (red, green, blue) value between 0 and 255.

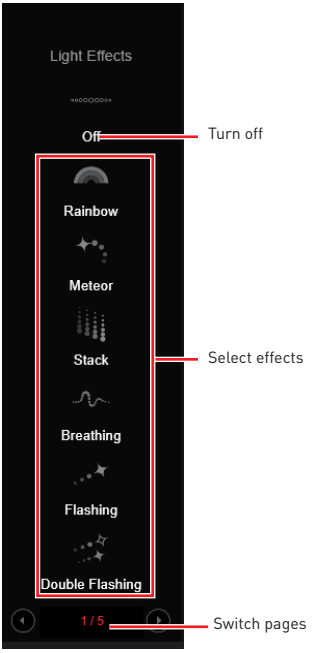
• **Effect speed level -** allows you to adjust the LED light effect switching speed. Please note that this function will only be available if your device supports it.

Select more dots to increase the rate of change of the effect and fewer dots to decrease the speed.

• **Brightness level -** allows you to adjust LED light brightness. Please note that this function will only be available if your device supports it.

Select more dots to increase the LED brightness and fewer dots to decrease the LED brightness.

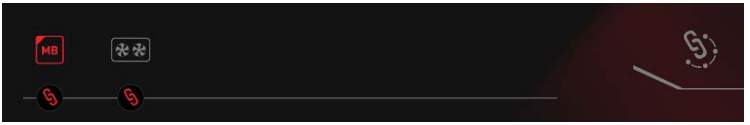
• **Light effect selector**



Allows you to select LED light effects. Please note that for light effect, the option would be more or less depending on the devices you have, it will only list the light effects which are available for all included devices. Each page of effect selector lists six effects, you can use the page navigation on the bottom to find more options.

• **LED area selector -** allows you to select the LED area on the device. The LED effects vary depending on your LED area selection.

• **Device synchronization** - In this section, you may synchronize LED light effect to your devices.



▪ **To manage synchronization** - click the big chain icon in the upper right corner.

▪ **To synchronize devices** - click the chain icon under device icon, when the broken-chain icon changes to the red-chain icon, the device has synchronized the LED effect settings with the other devices.

Red-chain icon - indicates the device has been synchronized.

Broken-chain icon - indicates the device is not synchronized.

▪ **Individual** - You can also change settings for single device. To do that, click the chain icon and turn the color to gray as below.

Device icon - click it to enter the device LED effect setting screen. When it is turn red, it indicates the device you' re currently setting.

Synchronizing all device LED effects

There is a quick button on the upper right that allows you to synchronize all your devices with one click. Click the All Sync button, then the chain icons under all sync devices will be changed in red-chain icons and the Profile control panel will appear.

Profiles control panel

Profile name - allows you to edit the Profile name.

Delete button - delete the Profile setting.

Create button - create a new Profile setting.

Apply button - apply the Profile setting.

Save button - saves sync device settings and lighting effect settings to the current Sync Profile.

DYNAMIC DASHBOARD

DYNAMIC DASHBOARD is an OLED panel on the high-end MSI motherboard that can display monochrome animations to show Power On, Operating System, Flashback+ BIOS state.

With MSI Mystic Light utility, you can control what is to be displayed on the DYNAMIC DASHBOARD, such as CPU information, fan speed, CPU / system temperature and GAME BOOST settings. In addition, you can even upload custom animations.

Animation Introduction

Power On - DYNAMIC DASHBOARD will display the following animation when you turn on your computer.

Basic Detection - The following animation will be displayed when CPU, graphics card, or memory error is detected.

CPU error, Graphics card error, Memory error

Operating System State

S0 (Operating System)

S3 (Stand by)

S4/S5 (Sleep/Shut down)

Flashback+ BIOS State

1. Download the latest BIOS file that matches your motherboard model from MSI® website and rename the BIOS file to **MSI.ROM**. And then, save the **MSI.ROM** file to the root of USB flash drive.

Important

*Only the FAT32 format USB flash drive supports updating BIOS by **BIOS FLASHBACK+**.*

2. Connect power supply to **CPU_PWR1** and **ATX_PWR1**. (No other components are necessary but power supply.)
3. Plug the USB flash drive that contains the MSI.ROM file into the **BIOS FLASHBACK+** port on rear I/O panel.
4. Press the **BIOS FLASHBACK+** button to flash BIOS, the LED on the FLASHBACK+ button starts flashing and DYNAMIC DASHBOARD shows waveform pattern.

5. After the flashing BIOS process is 100% completed, the LED would be off simultaneously and DYNAMIC DASHBOARD shows finished pattern.

In case update fails, DYNAMIC DASHBOARD would display error pattern.

Using DYNAMIC DASHBOARD

Software Requirement

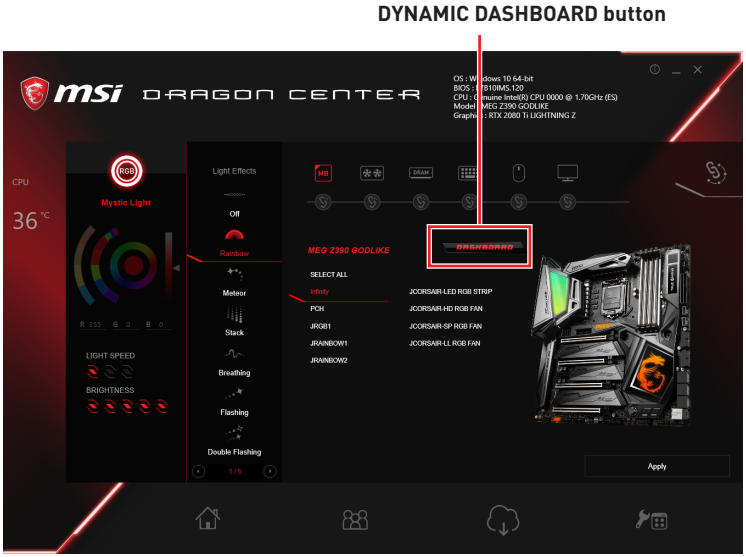
- MSI MYSTIC LIGHT 3
- Windows® 10

Hardware Requirement

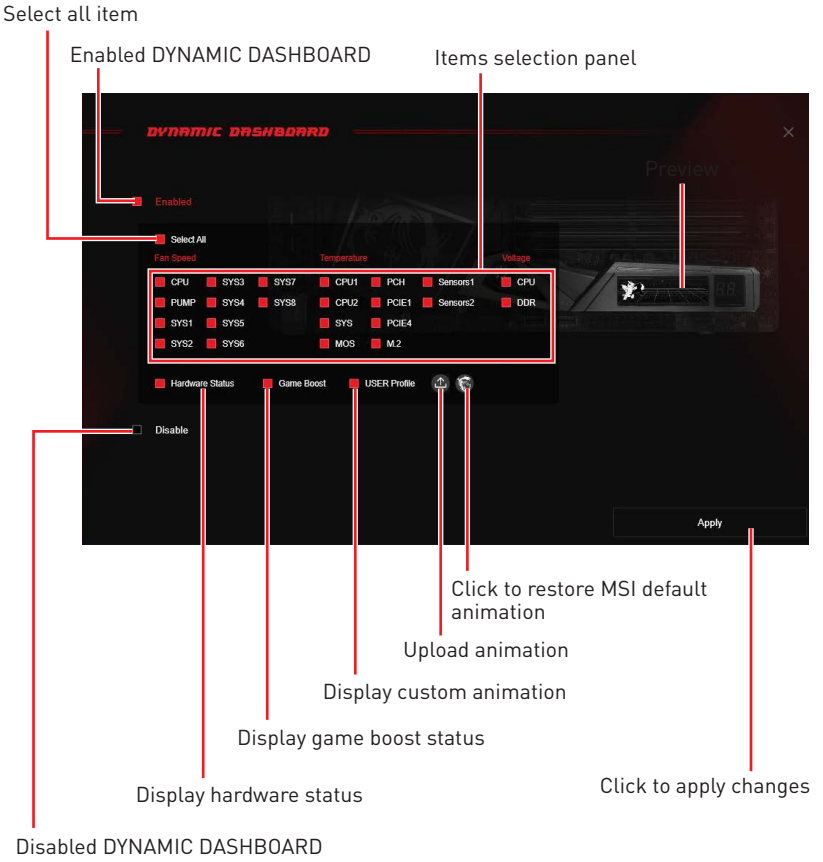
- MSI motherboards with DYNAMIC DASHBOARD, they are listed below:
  - MEG Z390 GODLIKE

Enter DYNAMIC DASHBOARD Control Panel

Click the **DASHBOARD** icon in Mystic Light tool.



DYNAMIC DASHBOARD Control Panel



Selecting Display Items

1. Select **Enabled** in the upper left corner of the control panel.
2. Select items you want to show on the DYNAMIC DASHBOARD.
3. Click **Apply** to apply your changes.

Uploading Custom Animation

Click the Upload icon and select a .gif animation file.

.GIF File Restriction

Dimensions: 256 x 64

DPI: 72

Size: 128KB

Restoring MSI Default Animation

Click the Dragon icon to restore the MSI default animation.

Fan Speed/ Temperature/ Voltage State

Available Items:

Fan Speed : CPU fan / Water pump fan / System fan speed

Temperature : CPU / System / MOS / PCH / PCIe / M.2 / Sensors temperature

Voltage : CPU / Memory voltage

Fan Speed **Temperature** **Voltage**

Hardware Information

CPU Information **Memory Information** **Graphics Card Information**

GAME BOOST State

When you use the GAME BOOST Knob, DYNAMIC DASHBOARD will display the CPU frequency information.

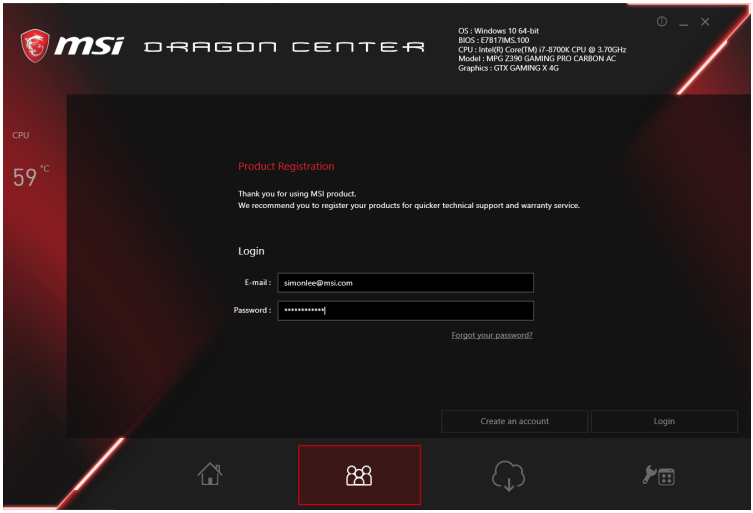
Stage 0 **Stage 1~11**

Important

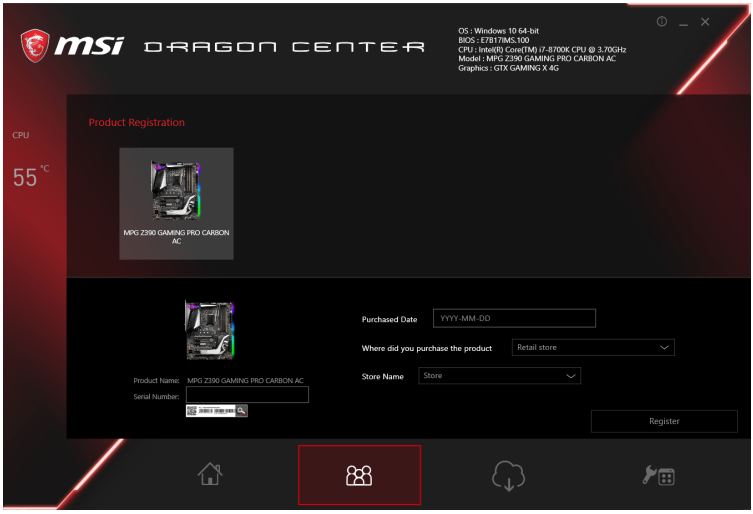
Game Boost is only available on K CPUs and speeds may vary based on CPU model.

Product Registration

Register your MSI product to get exclusive updates, quicker service and product support.



Login to your MSI account on this Product Registration tab. If you don’ t have an MSI account, click **Create an account**.



Fill in the product registration form and press the **Register** button.

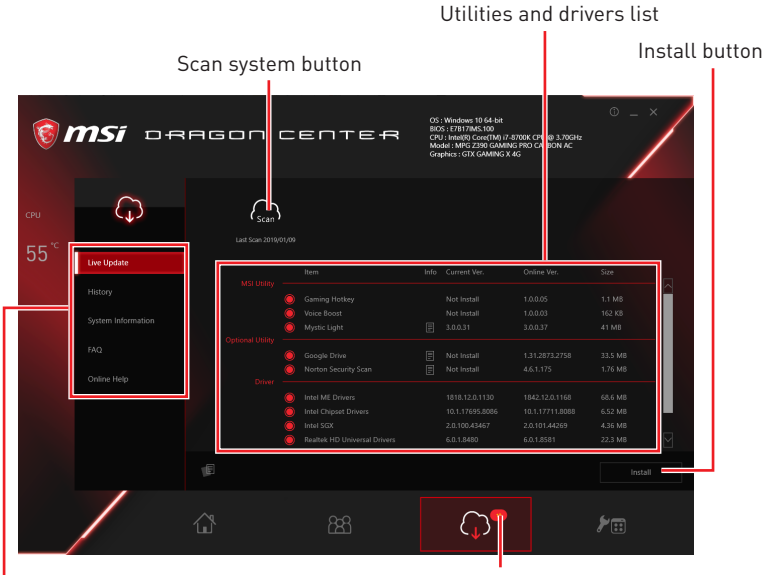
Live Update

LIVE UPDATE feature allows you to scan system and download the latest drivers, BIOS and utilities. With LIVE UPDATE, you don't need to search the drivers on websites, and don't need to know the models of motherboard and graphics cards. LIVE UPDATE will download the appropriate drivers automatically.

To use LIVE UPDATE:

1. Connect your computer to the Internet.
2. Click the **Cloud** on the tab bar.

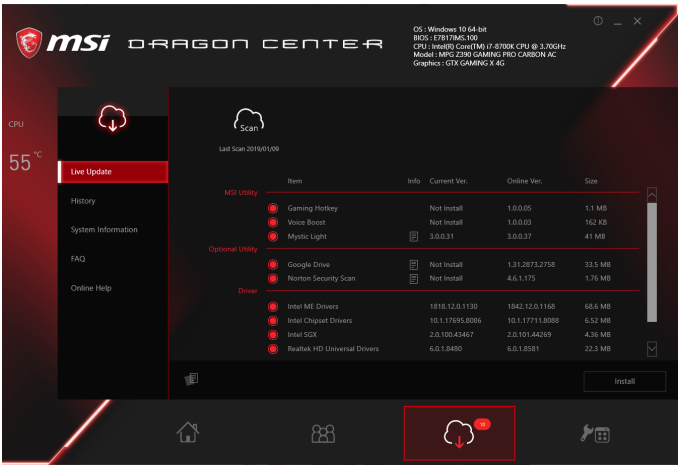
3. Select the control panel on the left menu.



- **Live Update** - update system utilities, drivers, and BIOS to the latest version.
- **History** - list scanned and installed items.
- **System Information** - lists the currently installed items of the system.
- **FAQ** - list frequently asked questions.
- **Online Help** - hyperlink to the online help webpages.

How to Update Utilities, Drivers and BIOS

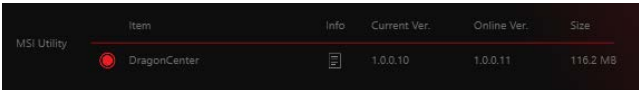
1. Click the **Cloud** on the tab bar.



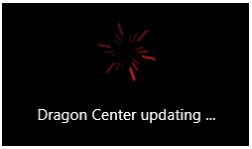
2. Click

at the top. It may take several moments to complete the process.

3. When the download list appears, please select the items you intend to update.



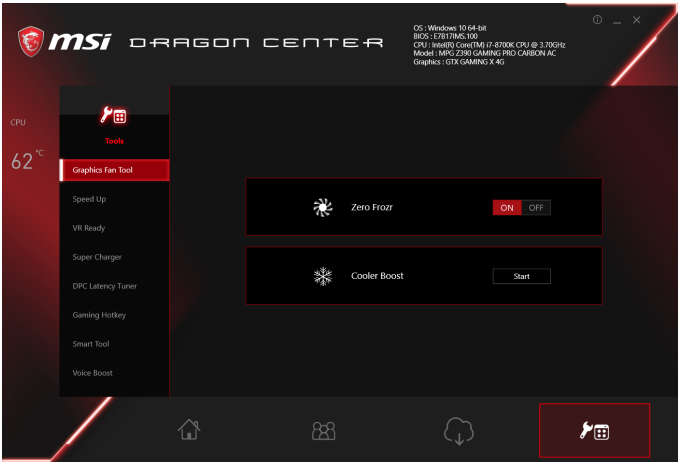
4. Click the **Install** button at the bottom. It may take several moments to complete the process.



5. Reboot your system.

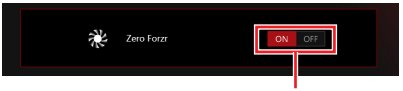
Graphics Fan Tool

Utilities Tab > Graphics Fan Tool



Zero Frozr

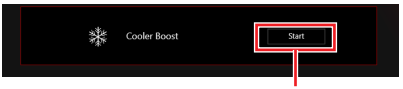
Zero Frozr feature stops the fan of graphics card when performing normal task to reduce noise and starts the fan when gaming.



On/Off Zero Frozr

Cooler Boost

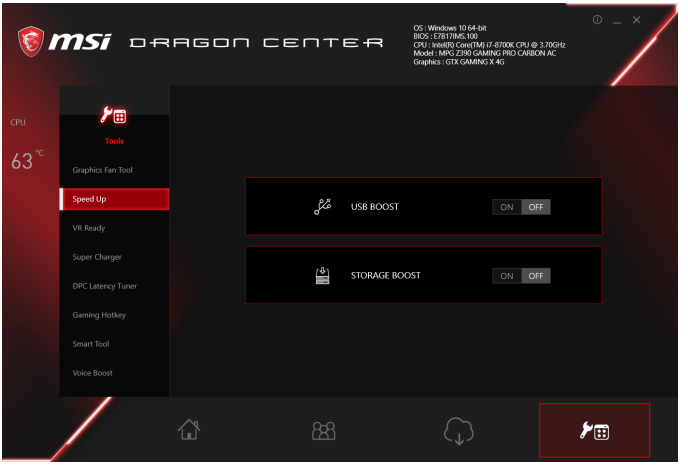
The Cooler Boot feature increases graphics card fan speed and enhances cooling efficiency.



Click to start the Cooler Boost feature

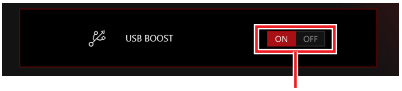
USB Speed Up

Utilities Tab > USB Speed Up



USB BOOST

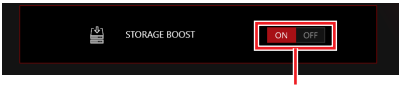
The USB BOOST feature supports faster data transfer rates of the USB storage devices.



On/Off USB BOOST

STORAGE BOOST

The STORAGE BOOST feature supports faster access speed of storage device.



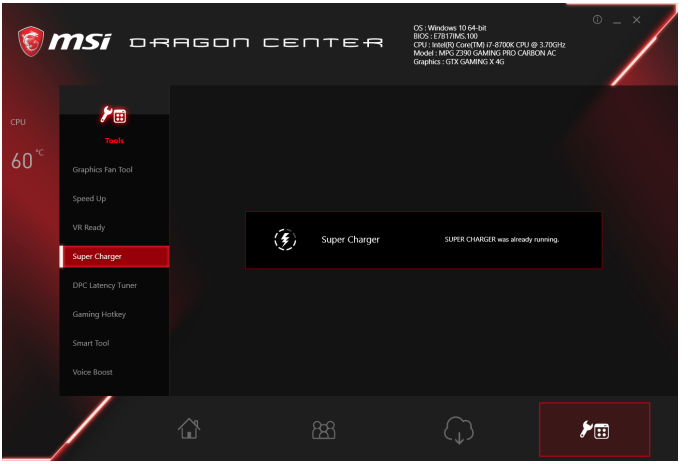
On/Off STORAGE BOOST

Super Charger

Utilities Tab > Super Charger

Super Charger provides i-Pad, i-Phone and iPod charging function.

The iPad requires a 1.6A power supply. However, the traditional USB provides a 0.5A current. As a result, ordinary computers can' t charge the iPad. The MSI Super Charger modifies the power mode of the USB port. When the iPad is connected to a USB port, the Super Charger sends a signal to activate its charging circuit.



Important

Once the Dragon Center starts, Super Charger will be started automatically.

For Charger Port

If your motherboard has a Charger Port (Refer to the USB connector section of the motherboard user' s manual.), The ON/OFF switch will appear as below.

You can click **ON** to enable the hardware charging function of the Charger Port. When system goes into suspend, hibernate state or even shutdown, Charger Port will be still able to recharge your devices.

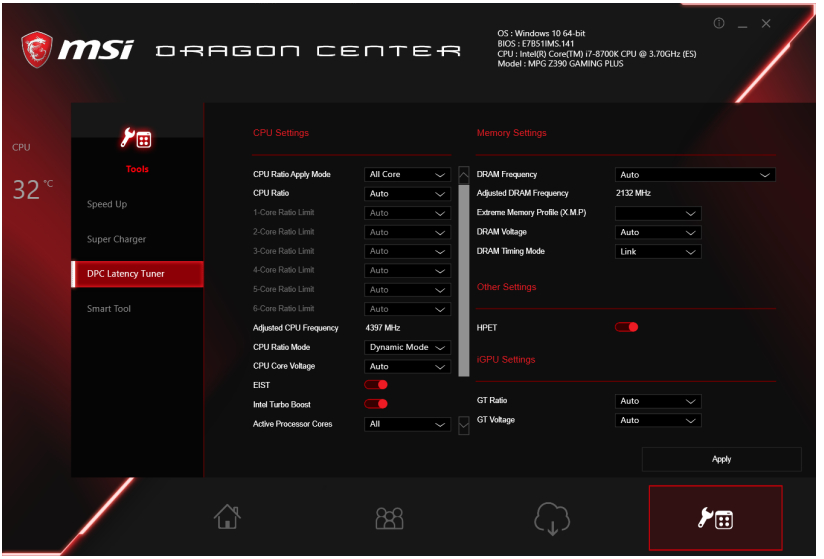
Important

When Charger Port is enabled, the Charger Port will be changed to Charging mode, therefore, the data syncing will be disabled.

DPC Latency Tuner (Install by Live Update)

Utilities Tab > DPC Latency Tuner

DPC Latency Tuner is a convenient tool that helps you optimize your PC settings to get a smooth audio/video playback experience and a faster responsive system. For instance, you can regulate the CPU, iGPU ratio and DRAM frequency easily when playing different games. The higher iGPU frequency multiplication can bring well image resolution. Also, different games have their own appropriate core, and you can change it to **All Core**, **Turbo Ratio** and **Per Core** by adjusting the **CPU Ratio Apply Mode** to acquire the best gaming experience.

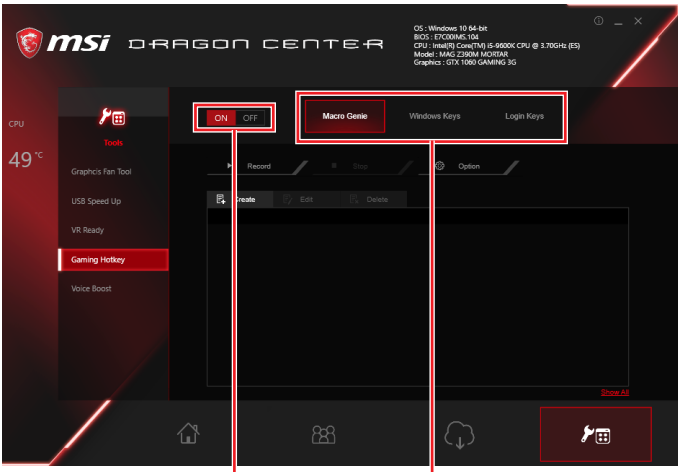


Install and open the DPC Latency Tuner control panel, it allows you to set CPU, memory and iGPU settings. After then you must click the **Apply** button to restart the computer and apply your changes.

Gaming Hotkey (Install by Live Update)

Gaming Hotkey provides instant control of the system through user defined hotkeys.

Utilities Tab > Gaming Hotkey



On/Off Gaming Hotkey

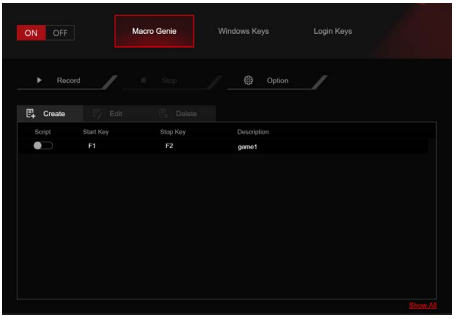
Click to select the Macro Genie, Windows Keys and Login Keys sub-menu.

Important

Gaming Hotkey doesn't support PRO Series Motherboards.

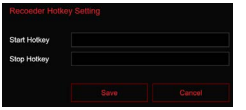
Recording a Macro

1. Enter **Macro Genie** sub-menu.

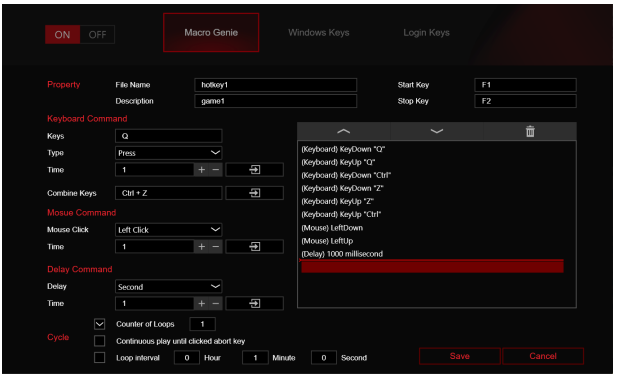


2. Click Record and then perform the actions to record the macro.
3. To stop recording the macro, click Stop.

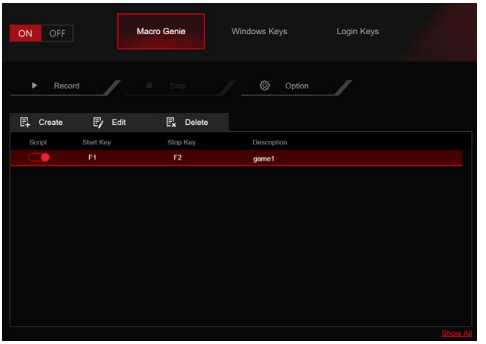
Note: You can also use hotkey to start/ stop recording. Click Option *to open the Recorder Hotkey Setting panel. Then click the Start Hotkey/ Stop Hotkey and press the key you want to assign.*



4. In the Edit panel, enter a file name for your new macro into the File Name text box. (Following section will describe how to edit macro)



5. Fill in the Description text box.
6. Click the Start Key/ Stop Key and press the key you want to assign.
7. Click Save. The Macro will be listed in the Macro Genie submenu.



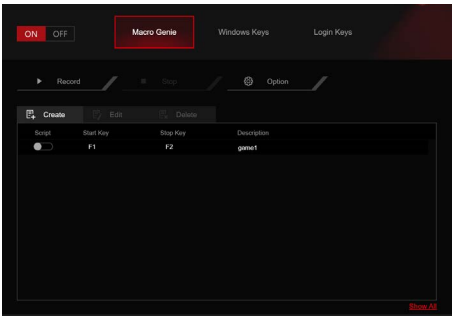
Enabling and Disabling the Macro

Click the **Script** button to toggle to red to enable the macro.

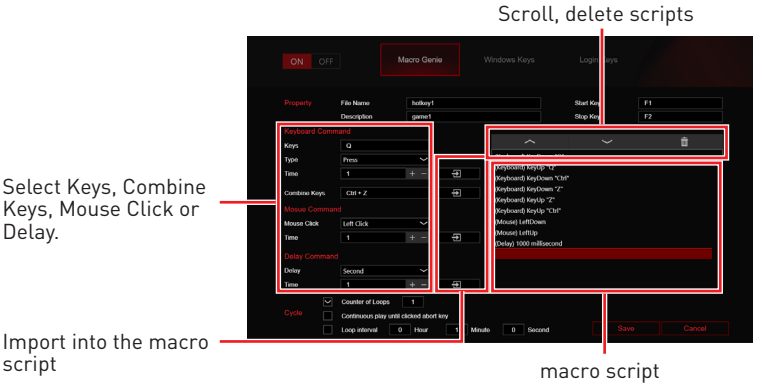
Click the **Script** button to toggle to white to disable the macro.

Creating, Editing a Macro

1. Enter **Macro Genie** sub-menu.



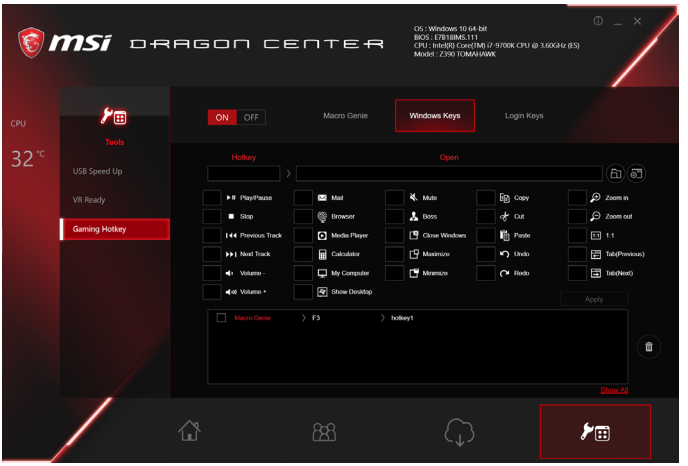
2. Click Create to create a new macro, or click Edit to edit the selected macro.



3. Select Keys, Combine Keys, Mouse Click or Delay.
4. Click + − next to the Time box to increase/ decrease the number of times to import into the macro script.
5. Click import command selection into the macro script.
6. Specific the Cycle.
   - **Counter of Loop** - Execute script the number of times specified by value.
   - **Continuous play until clicked abort key** - Execute script until you press Stop Key.
   - **Loop interval** - execute the script at specified time intervals.
7. In the Edit panel, enter a file name for your new macro into the File Name text box.
8. Fill in the Description text box.
9. Click Save. The Macro will be listed in the Macro Genie submenu.

Making Hotkeys for Windows OS

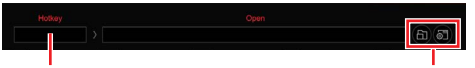
1. Enter **Windows Keys** sub-menu.



2. Click the input box in front of the action.
3. Press the key you want to assign to the action. For example, press F5 to open Mail as shown below. To cancel it, click ⊗.

4. Click Apply to apply changes.

Assign Hotkey to open folder or file

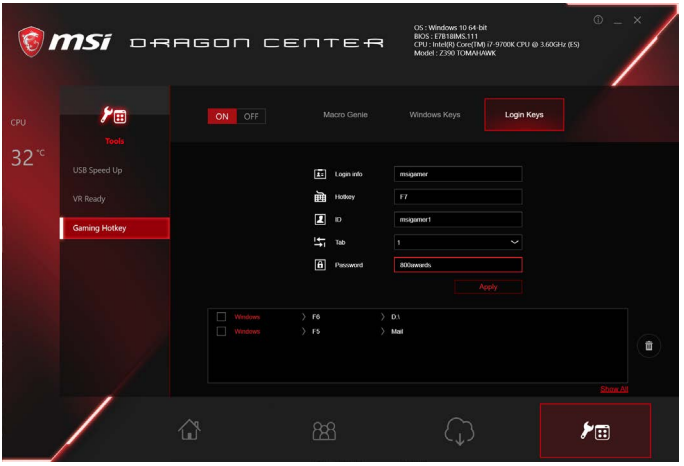


Click to assign the hotkey *Click to select folder / file*

Making Hotkeys for Login

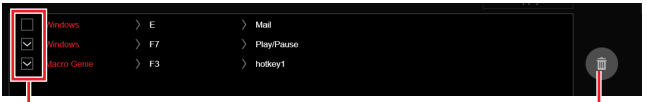
You can create Hotkeys to automatically fill in the login page.

1. Enter **Login Keys** sub-menu.



2. Fill in these input boxes.
   - **Login info** - the name of the Hotkey.
   - **Hotkey** - assign a Hotkey.
   - **ID** - the text for fill in the login ID.
   - **Tab** - select the number of times to press the Tab key.
   - **Password** - the text for fill in the password.
3. Click Apply to apply changes.

Delete the Hotkeys



Select Hotkeys you want to delete

Click to delete selected Hotkeys

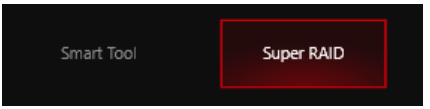
Smart Tool (Install by Live Update)

Utilities Tab > Smart Tool

Smart Tool is a tool that can help you to create your Windows installation USB flash drive, and it can also create a super RAID.

Main menu

The main menu allows you to choose **Smart Tool** or **SUPER RAID**.

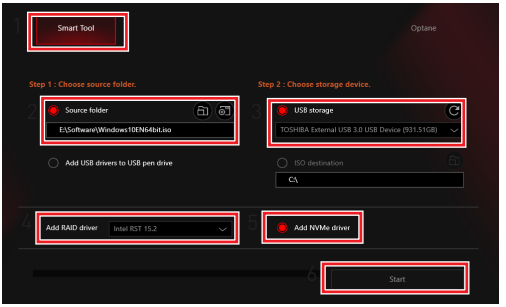


Important

*The **Super RAID** button is only available when your system equipped with at least 3 hard-disk drives (1 system disk and 2 data disks).*

How to Create a Windows Installation USB Flash Drive

Before you can create your Windows installation USB flash drive, you' ll need to have your Windows Installation Disc or ISO file, and also have a minimum of an 8GB USB flash drive to create your installer. Be sure to backup files on the USB drive, this process will erase it.



1. Click **Smart Tool**.
2. Choose Windows Installation source file. Click **Browse** button to select the directory or click button to select an ISO file .
3. Choose **USB storage** and select your USB flash drive in the drop-down list. In case the USB flash drive is not listed, click the **Refresh Drive** button.
4. If you want to install Windows on the RAID drive, select the RAID driver version from the drop-down menu.
5. If you want to add NVMe drive for your NVMe SSD drive, check the **Add NVMe driver** checkbox.
6. Click **Start** to complete the process. When prompt **Finish!,** click **OK**.

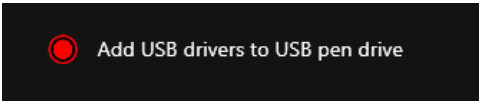
Important

*You can also create an installer ISO image file by selecting the **ISO destination**, and then burn it onto the DVD. However, this method does not support RAID drive.*

How to Add USB Driver into the Windows 7 Installation USB Flash Drive

Windows PE (WinPE) for Windows 10 recognizes USB drives and you don' t need to add USB drivers for Windows 10. However, if you use a flash drive to install Windows 7, you will not be able to install it because the USB drive is not recognized. Therefore, please follow the steps below to add the USB driver to the Windows 7 USB installation USB flash drive.

1. Click **Smart Tool**.
2. Check **Add USB drivers to USB pen drive.**



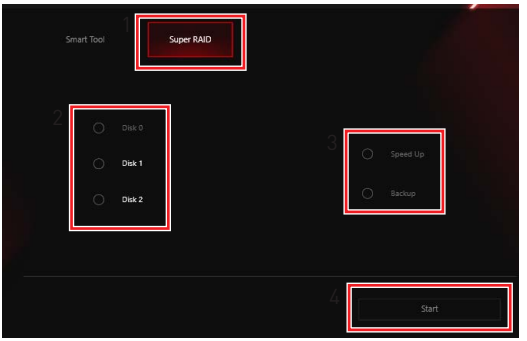
3. Choose **USB storage** and select your Windows 7 Installation USB Flash Drive in the drop-down list. In case the USB flash drive is not listed, click the **Refresh Drive** button.
4. Click **Start** to complete the process.
5. When prompt **Finish!,** click **OK**.

Super RAID

This utility allows you to create a super RAID in Windows system.

Important

*The **Super RAID** button is only available when your system equipped with at least 3 hard-disk drives (1 system disk and 2 data disks).*



How to Create a Super RAID

1. Click **Super RAID**.
2. Use checkboxs to select the disks you want included in your RAID.
3. Choose **Speed Up** or **Backup** for RAID type.
   - Speed Up = RAID0
   - Backup = RAID1
4. Click **Start**.
5. When prompt **Finish!,** click **OK**.

Important

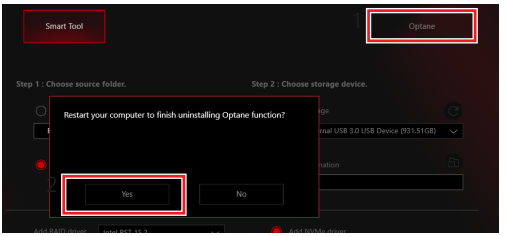
SUPER RAID can't includ the system disk.

How to Uninstall Intel® Optane™ Memory

When you installed the operating system in AHCI mode, the system will be changed to **RAID/ Optane** mode after enabling Intel® Optane™ Memory. If you want to uninstall Intel Optane Memory and switch BIOS setting from RAID/ Optane mode back to AHCI mode, that may cause operating system damage. MSI has developed a tool assistance you to uninstall Intel® Optane™ Memory and switch back to AHCI mode while keep the system bootable.

Important

*The **Optane** button is only available when Intel Optane Memory Enable or Intel Rapid Storage Technology Enable).*

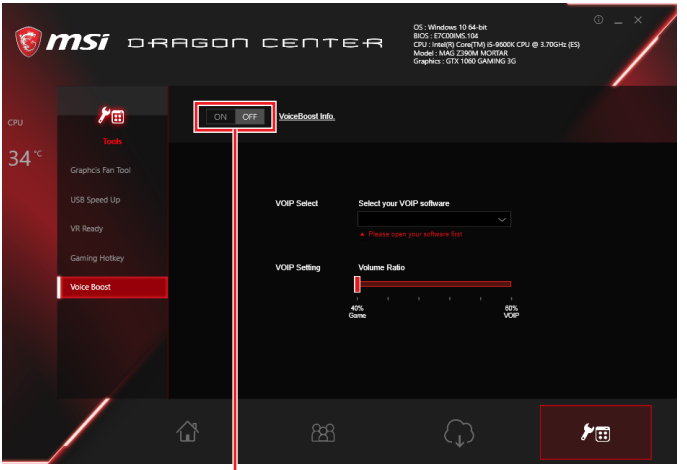


1. Click the **Optane** button.
2. When prompt **Restart your computer to finish uninstalling Optane function?,** click **OK**.
3. Reboot System.

Voice Boost (Install by Live Update)

Voice Boost is an audio mixer that manages the VoIP and apps audio volume. The gamer needs to set the level of priority of his voice, then Voice Boost will automatically manage and make sure the voice is clearer by decreasing dynamically the volume of the other apps. And when no more voice is detected, all volumes return to normal.

Utilities Tab > Voice Boost



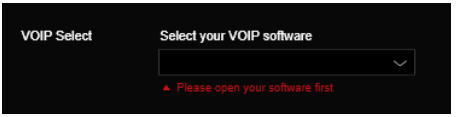
On/Off Voice Boost

Important

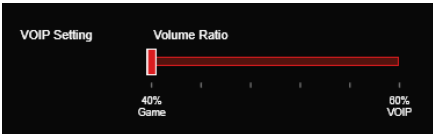
- *The Voice Boost function is only available with Nahimic 2.5/ 3 and voice communication tools (TeamSpeak, Raidcall, Skype, SkypeHost and Discord).*
- *Voice Boost doesn't support PRO Series Motherboards.*

Enabling Voice Boost

1. Install Nahimic and a voice communication tool.
2. Turn on the Voice Boost with the On/Off switch at the top of the screen.
3. Selects your voice communication tool.



4. Adjust the volume ratio in voice communication tool.



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Revision History

Version 2.0, 2018/09, First release

Version 2.1, 2018/09, Add Gaming Hotkey, Voice Boost

Version 2.2, 2019/01, Add Mystic Light, Smart Tool, Super Charger, DPC Latency Tuner

Version 2.3, 2019/02, Change to white background