



msi[®]

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.
- Manage network connection settings.
- Use utilities to control special features.



Important

The software features in this user guide vary by product.

Get Started

System Requirements

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

Supported Hardware

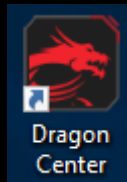
- Motherboard:
 - MSI Z390 series motherboards or newer
- Graphics card:
 - MSI GAMING series graphics cards or newer

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.

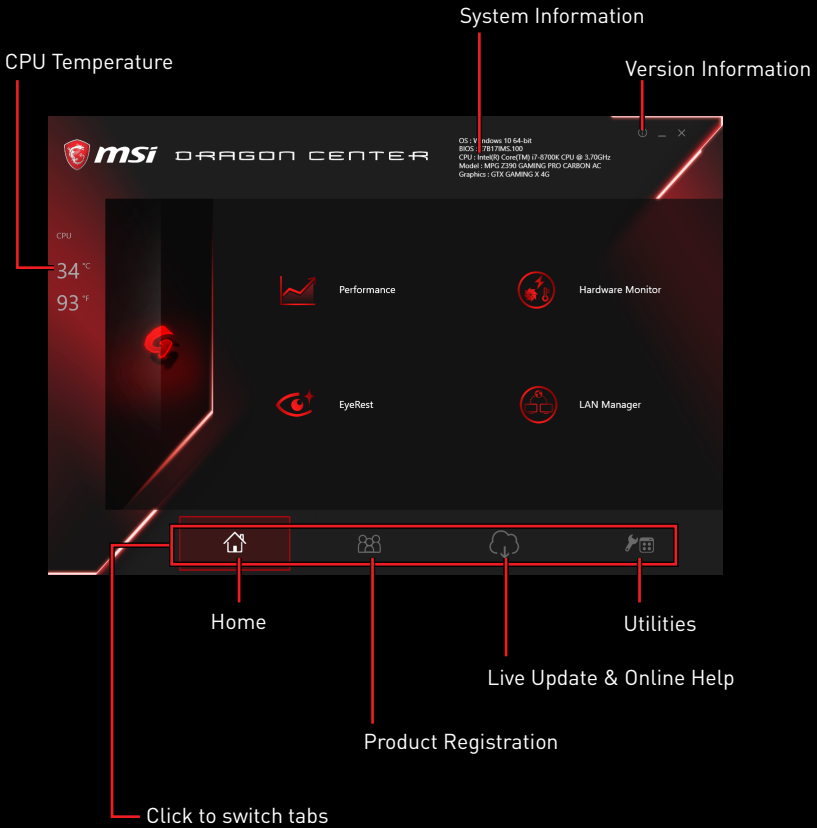
Launching DRAGON CENTER

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



DRAGON CENTER Basics

Main menu



Important

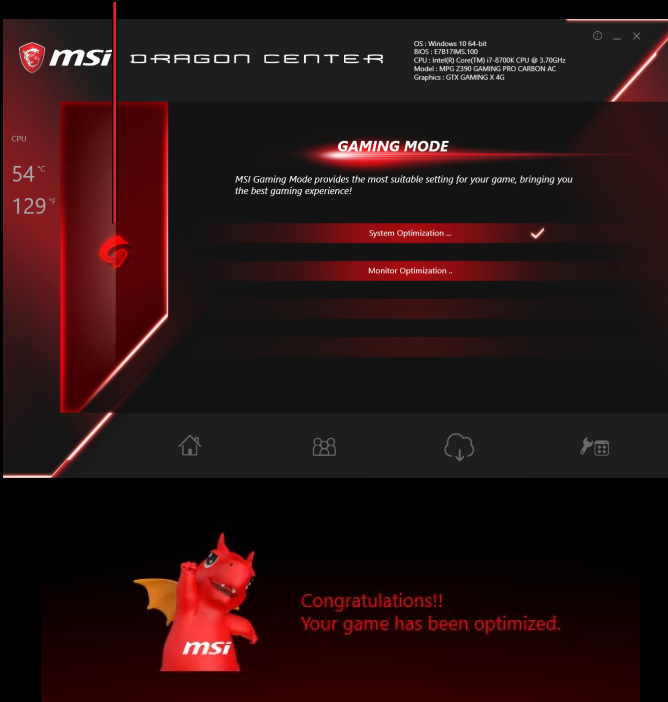
The software screenshots in this user guide are for reference only and the actual screen may vary.

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

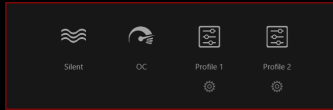
Selecting Performance Preset

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.




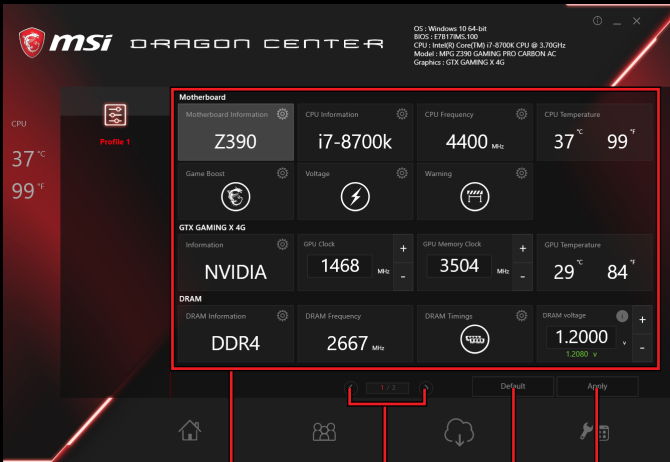
2. Select one of the options.



- 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 .



Apply changes

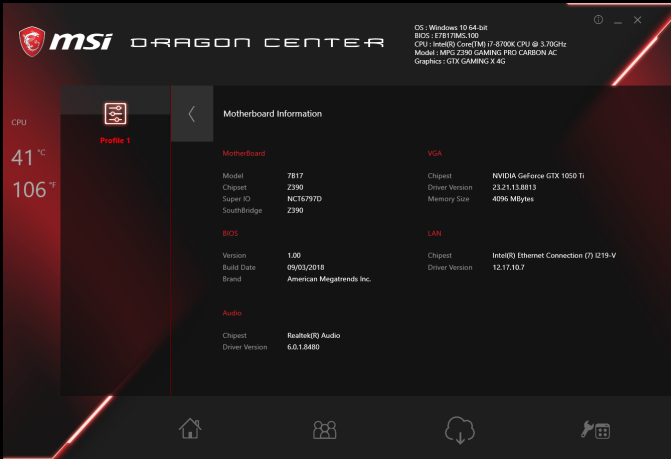
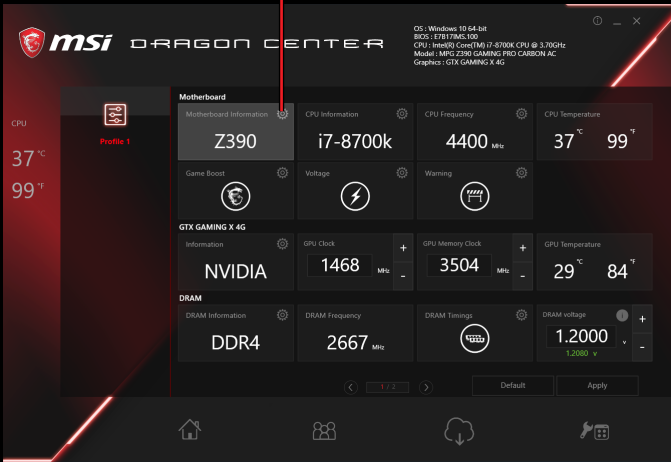
Default values

Select the pages

Select the item you want to adjust

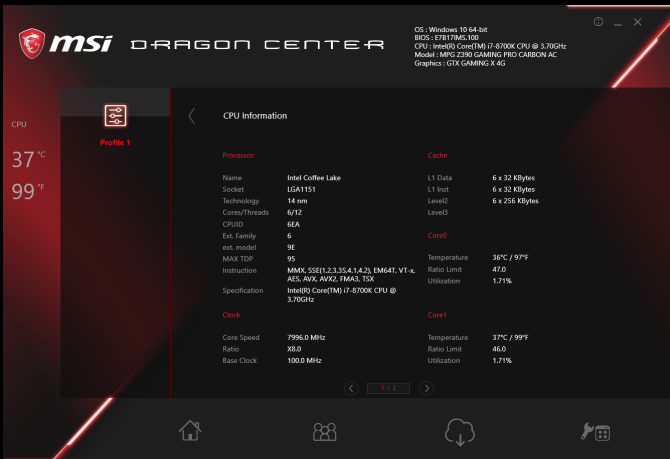
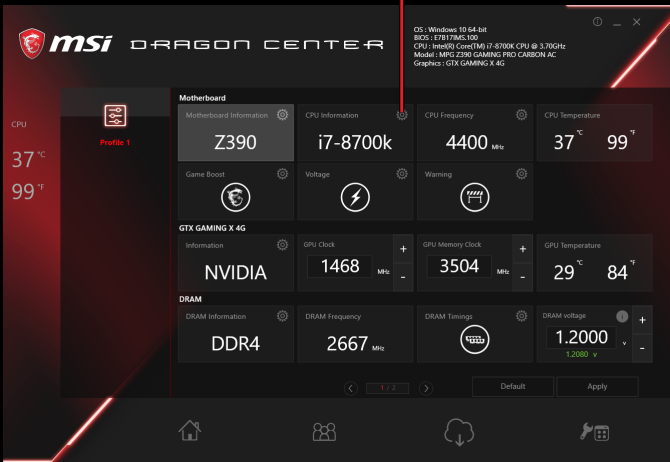
How to Check the Motherboard Information

Click the Motherboard Information option




How to Check the CPU Information

Click the CPU Information option

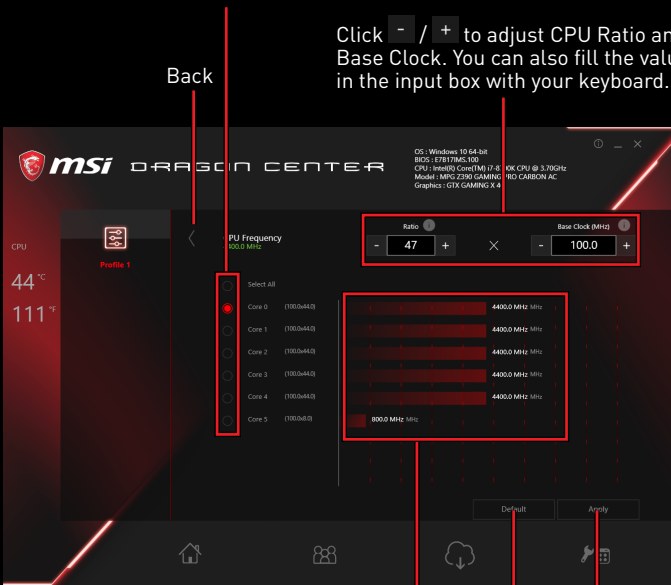


How to Adjust the CPU Frequency

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



Select CPU core to adjust



Click - / + to adjust CPU Ratio and Base Clock. You can also fill the value in the input box with your keyboard.

Back


Apply changes

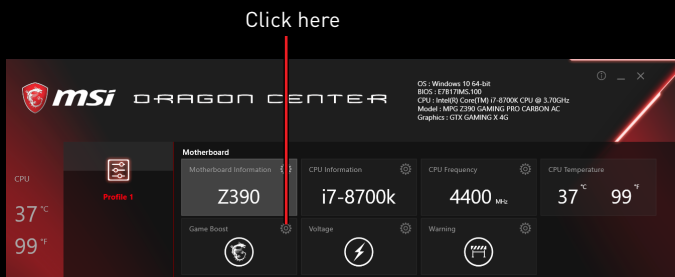
Default values

Current CPU frequency

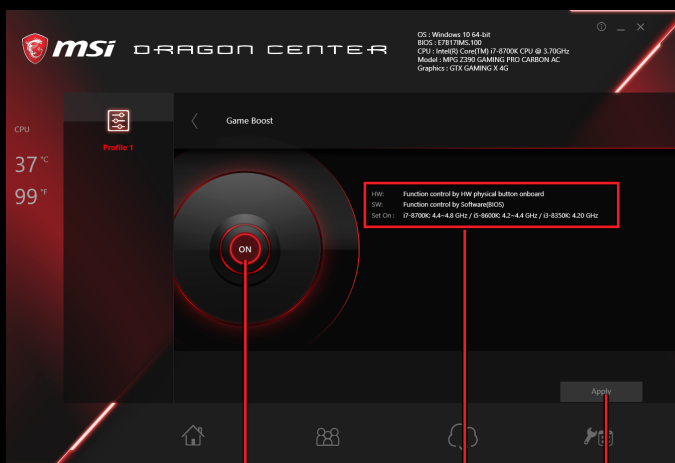
How to Use Game Boost

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

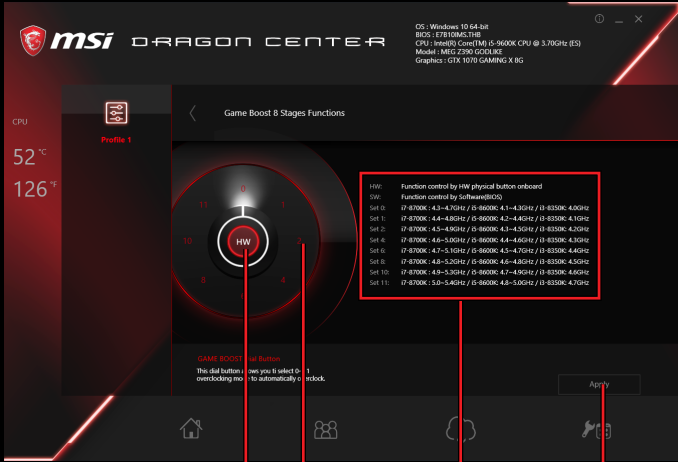


Click the On/Off button to enable/disable the Game Boost feature.

Apply changes

Function description

For Motherboard with Game Boost 8 Stages



Apply changes


Function description

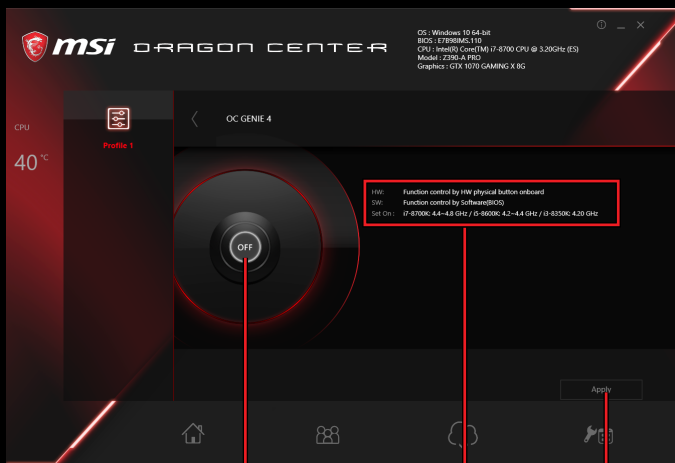
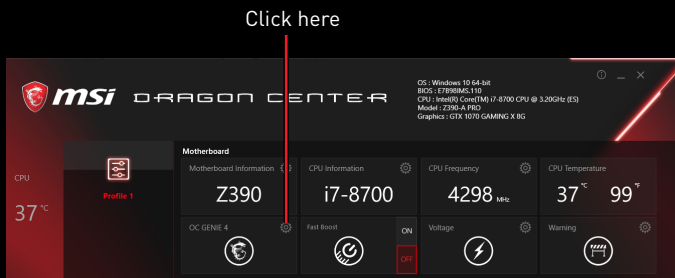
Click 0~11 number to select a stage from number 0 (default) to number 11 (extreme) for overclocking the processor.

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 .



Click the On/Off button to enable/disable the OC GENIE 4 feature.

Apply changes

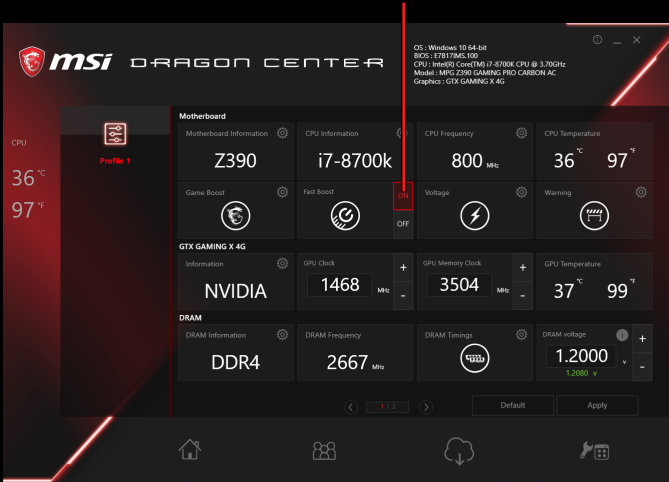
Function description

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**

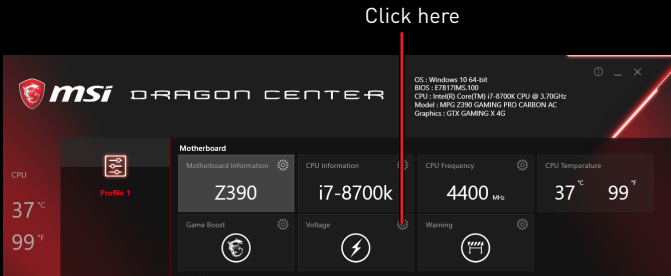
Click Fast Boot On





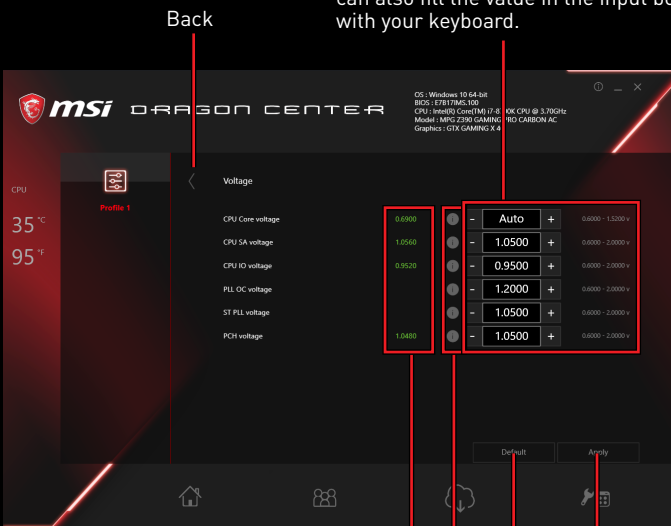
3. Click the Apply button to apply change.

How to Adjust the Voltage

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




Click  /  to adjust the voltage. You can also fill the value in the input box with your keyboard.




Apply changes

Default values

Click  to show the adjustment range

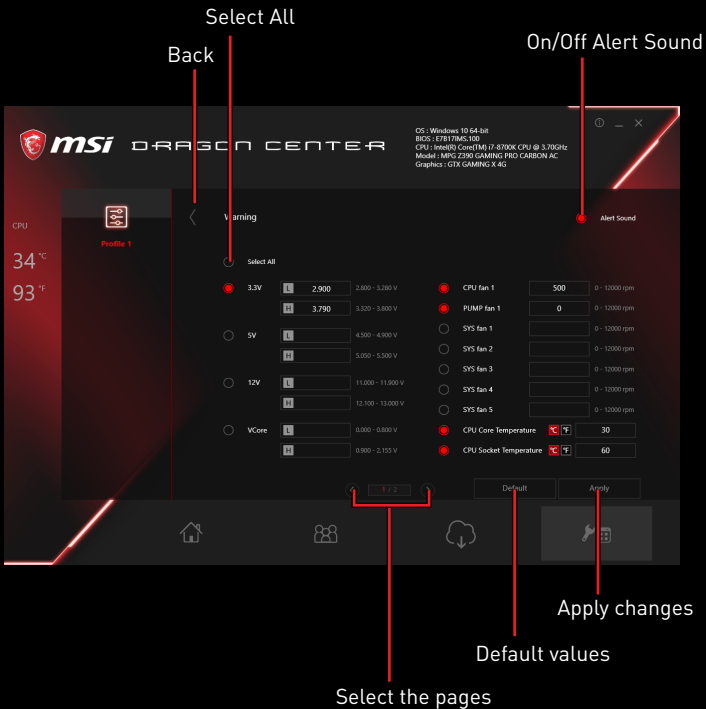
Current voltage

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 .

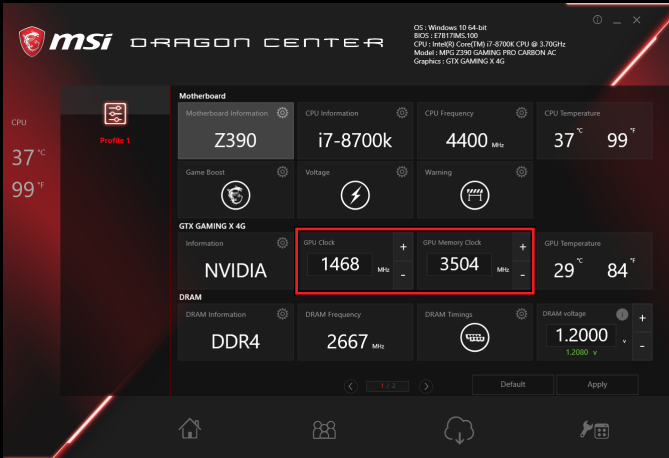


3. Select warning items to receive alerts.
4. Enter the values for the warning and alert status.
5. Click the Apply button to apply change.




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

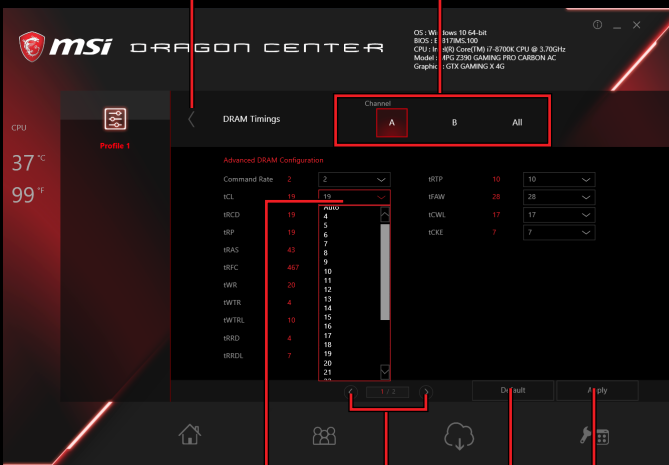
1. On Home tab > Performance > option dialog window, select Profile 1 or Profile 2.
2. Click the **DRAM Timings** setting .

Click here



Back

Select the DRAM Channel



Click to select an available value from the drop-down menu

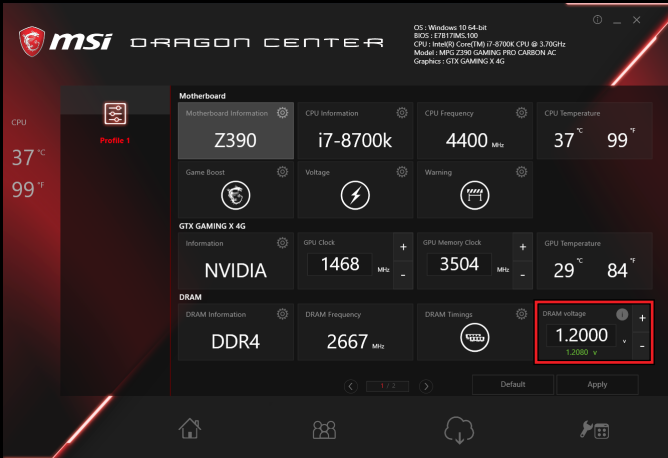
Apply changes

Default values

Select the pages

How to Adjust the DRAM Voltage

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





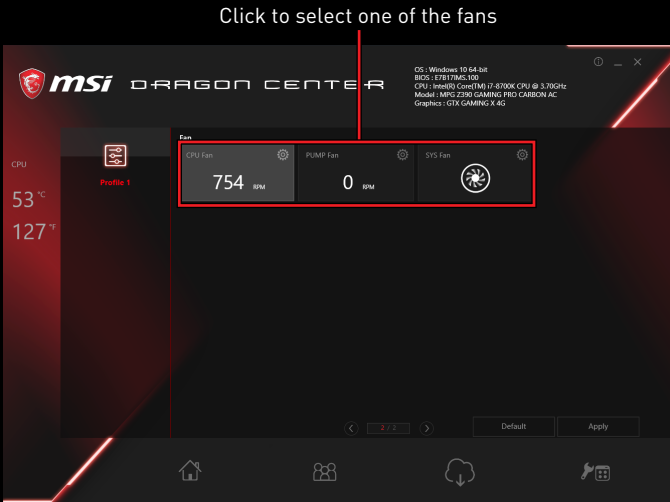
2. Click **+** / **-** to adjust DRAM Voltage. You can also fill the value in the input box with your keyboard.
3. Click the Apply button to apply change.

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.



The image shows the Smart Fan control panel interface. At the top, there are two tabs: "Smart Fan" (selected) and "Manual Fan". Below the tabs is a graph with a grid. The y-axis is labeled "(%)" and ranges from 0 to 100. The x-axis is labeled "(°C)" and ranges from 0 to 100. A green line represents the current fan speed curve, and a white line represents the default setting curve. A white dot is positioned on the green curve at approximately 40°C and 20% fan speed. A red dot is on the white curve at approximately 60°C and 60% fan speed. A red dot is on the white curve at approximately 70°C and 80% fan speed. A red dot is on the white curve at approximately 80°C and 100% fan speed. A "Fan Tune" icon is located to the right of the graph. Below the graph, there is a "Default" button. The current fan speed is displayed as "CPU fan 1 750 rpm".

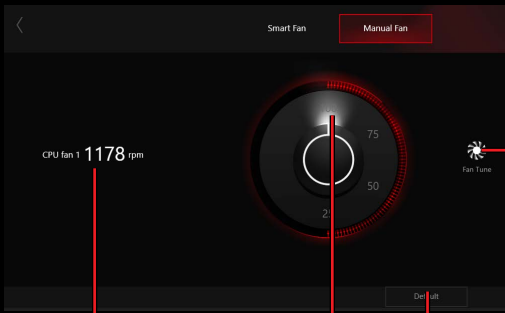
Current fan speed

Default setting

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

The white dot will create strip chart in real time.

How to use the Manual Fan control panel



The image shows the Manual Fan control panel interface. At the top, there are two tabs: "Smart Fan" and "Manual Fan" (selected). Below the tabs is a circular dial with a red outer ring and a white inner ring. The dial has markings for 25, 50, 75, and 100. A red vertical line indicates the current fan speed setting, which is at 100%. A "Fan Tune" icon is located to the right of the dial. Below the dial, there is a "Default" button. The current fan speed is displayed as "CPU fan 1 1178 rpm".

Current fan speed

Default setting

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

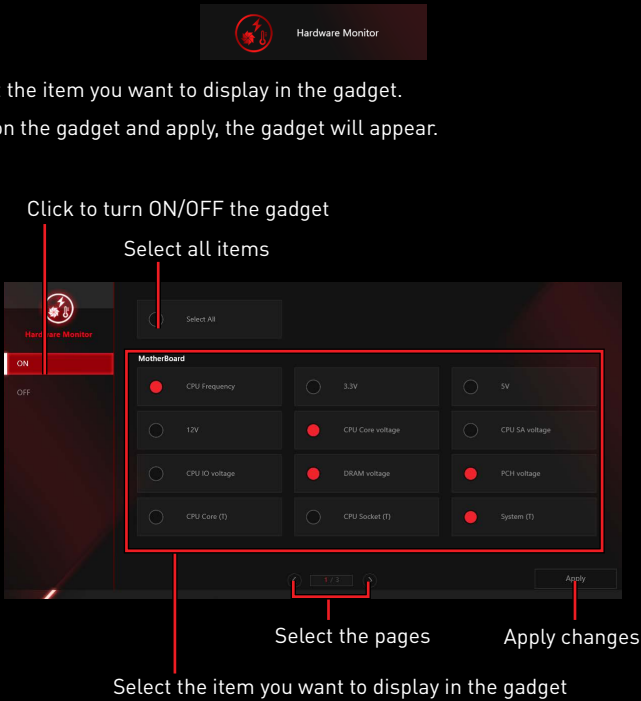
Click the percentage to manually control the fan speed.

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.



CPU Frequency	CPU Core voltage	DRAM voltage
800 1000 x 60	0.7340	1.2080
MHz	V	V
PCI voltage	System (T)	MOX (T)
1.0480	36 °C	34 °C
V	97 °F	93 °F
PCIe 1 (T)	M.2 1 (T)	CPU fan 1
33 °C	36 °C	733
91 °F	97 °F	rpm

Hardware Monitor Gadget

EyeRest

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

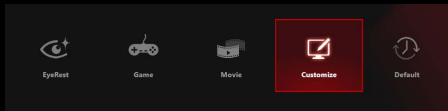
Selecting EyeRest Preset

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

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



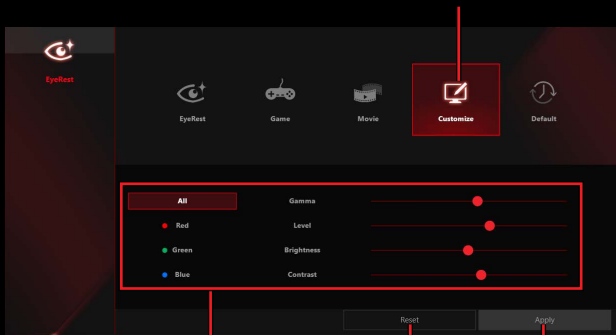
2. Select one of the options.



- **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

Click Customize to adjust settings



Slide to adjust settings

Reset

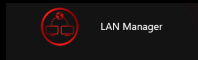
Apply changes

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.

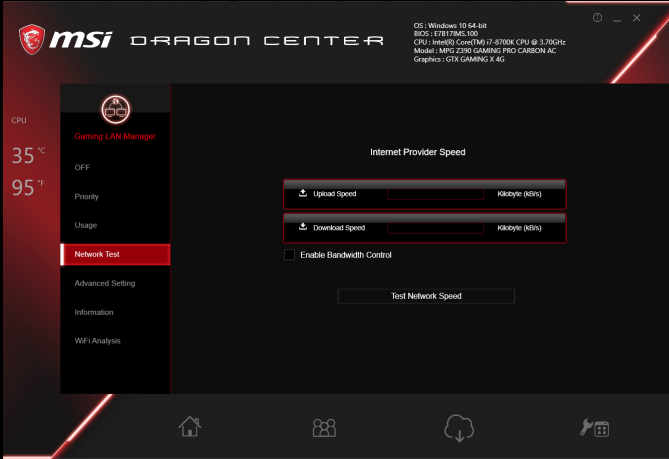
Control panel menu:

A vertical menu for the LAN Manager control panel. At the top is a red circular icon with a white network symbol. Below it are several menu items, each with a red line connecting it to a descriptive text block on the right. The "Priority" item is highlighted with a red background.

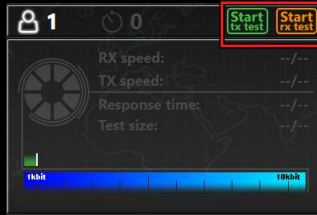
- Gaming LAN Manager**
- OFF** - **OFF** (default) - turn off the LAN Manager.
- Priority** - **Priority** - customizes application network bandwidth priorities.
- Usage** - **Usage** - displays the application network usage status.
- Network Test** - **Network Test** - allows you to setup bandwidth control.
- Advanced Setting** - **Advanced Setting** - allows you to expand RWIN to accelerate download speed. You can also block IP address and setup virtual access point.
- Information** - **Information** - shows version information.
- WiFi Analysis** - **WiFi Analysis** - shows the Wireless network around you.

Setting Network Speed

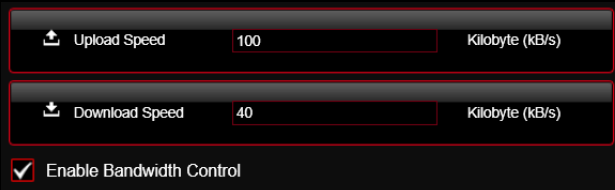
1. Select the **Network Test** control panel.



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.



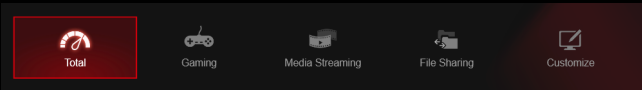
Customizing Application Priorities

The Priority control panel displays currently using network bandwidth applications.

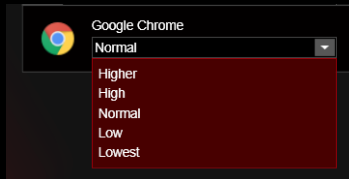
1. Test and set the network speed as described previously.
2. Select the **Priority** control panel.




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.



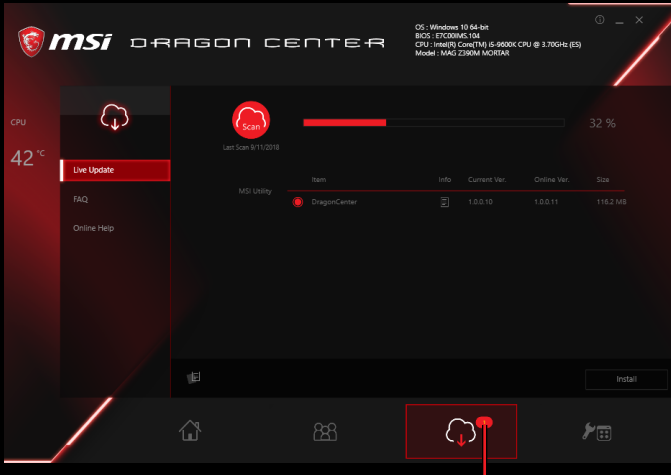
Note: To stop some applications from using bandwidth, you can click  to block the application.

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.

How to Use the LIVE UPDATE

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



Indicates the number of updatable

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

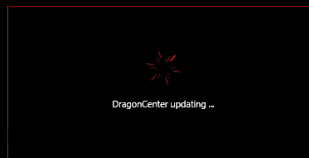


3. When the download list appears, please select the items you intend to update.

A screenshot of the update list table, showing the DragonCenter utility with its current and online versions and size.

MSI Utility	Item	Info	Current Ver.	Online Ver.	Size
	DragonCenter		1.0.0.10	1.0.0.11	116.2 MB

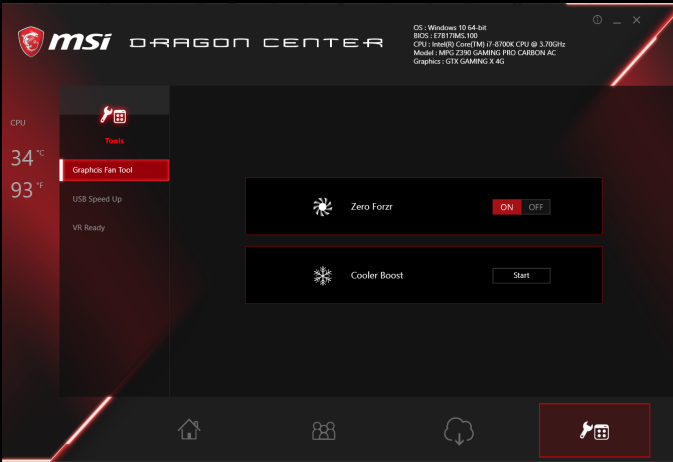
4. Click **Install** button at the bottom. It may take several moments to complete the process.



5. Reboot your system.

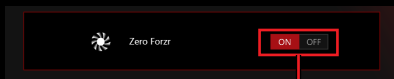
Graphics Fan Tool

Utilities Tab > Graphics Fan Tool



Zero Frozr

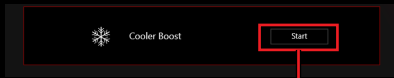
Zero Frozr feature stops the fan of graphics card when performing normal task to reduce noise and starts the fan when gaming.



On/Off Zero Frozr

Cooler Boost

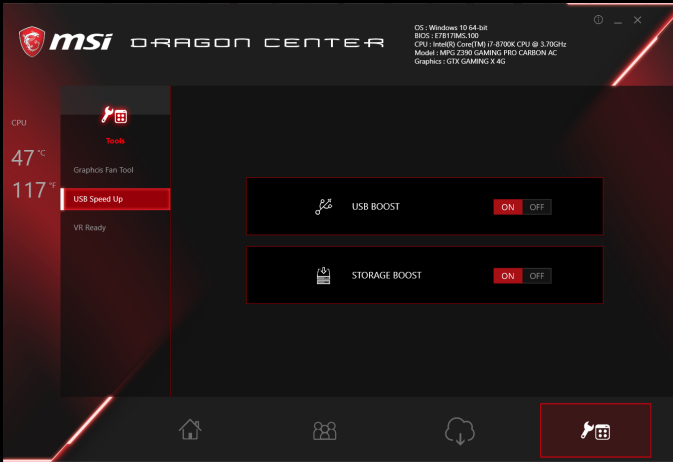
The Cooler Boot feature increases graphics card fan speed and enhances cooling efficiency.



Click to start the Cooler Boost feature

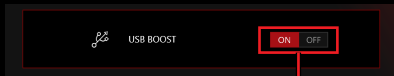
USB Speed Up

Utilities Tab > USB Speed Up



USB BOOST

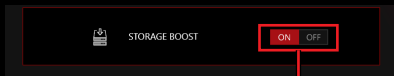
The USB BOOST feature supports faster data transfer rates of the USB storage devices.



On/Off USB BOOST

STORAGE BOOST

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

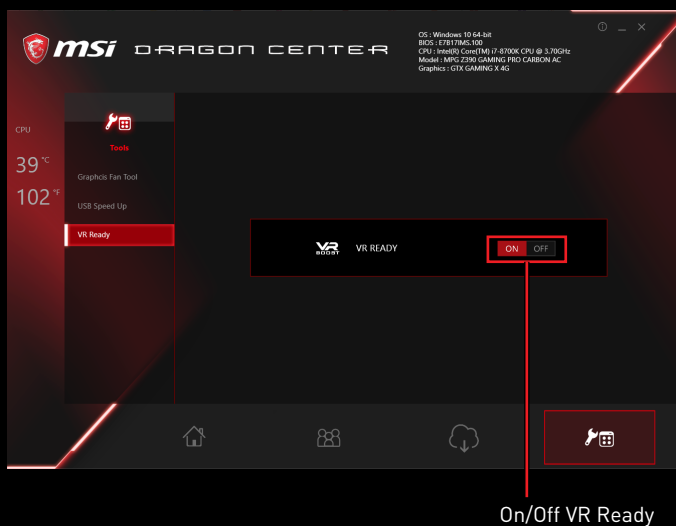


On/Off STORAGE BOOST

VR Ready

The VR Ready feature optimizes the performance of your system to ensure everything is VR Ready.

Utilities Tab > VR Ready



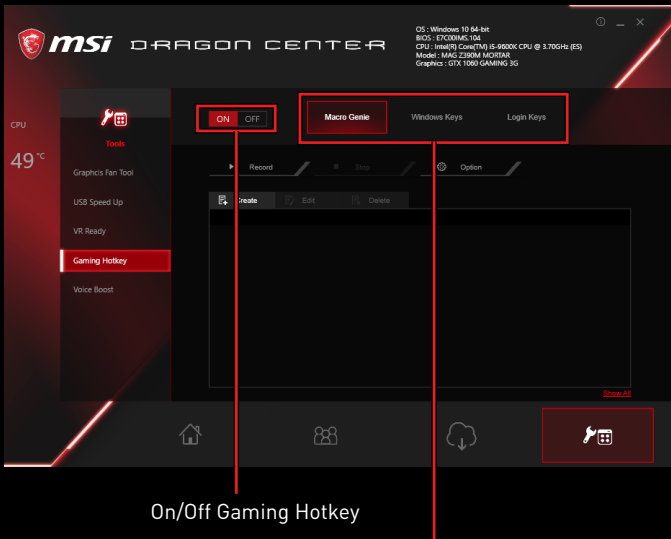
Important

VR Ready doesn't support PRO Series Motherboards.

Gaming Hotkey

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

Utilities Tab > Gaming Hotkey



On/Off Gaming Hotkey

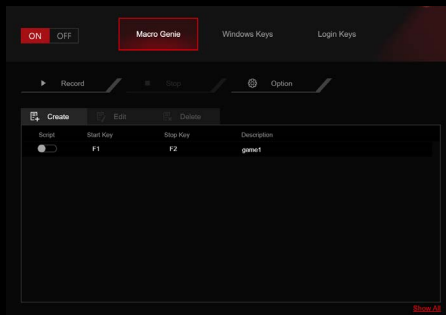
Click to select the Macro Genie, Windows Keys and Login Keys sub-menu.



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**.

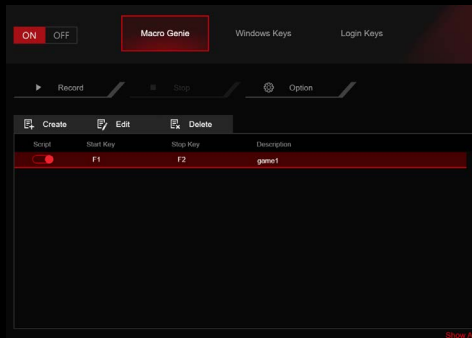
Note: You can also use hotkey to start/ stop recording. Click  Option  to open the Recorder Hotkey Setting panel. Then click the Start Hotkey/ Stop Hotkey and press the key you want to assign.



- 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)



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

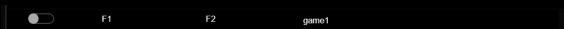


Enabling and Disabling the Macro

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

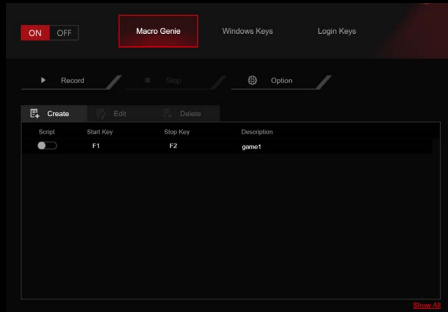




Click the **Script** button to toggle to white to disable the macro.



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.

Scroll, delete scripts

Select Keys, Combine Keys, Mouse Click or Delay.

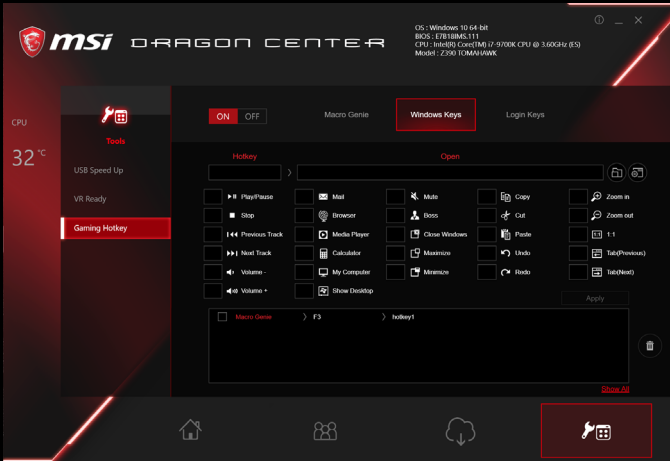
Import into the macro script


macro script

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 . 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 .



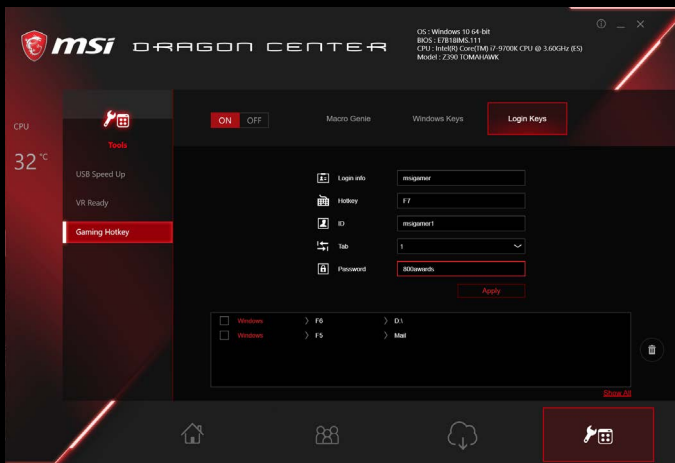
4. Click  to apply changes.



Making Hotkeys for Login

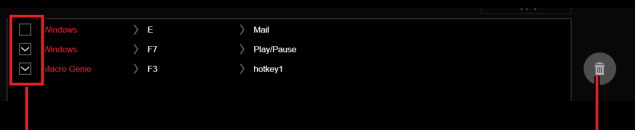
You can create Hotkeys to automatically fill in the login page.

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



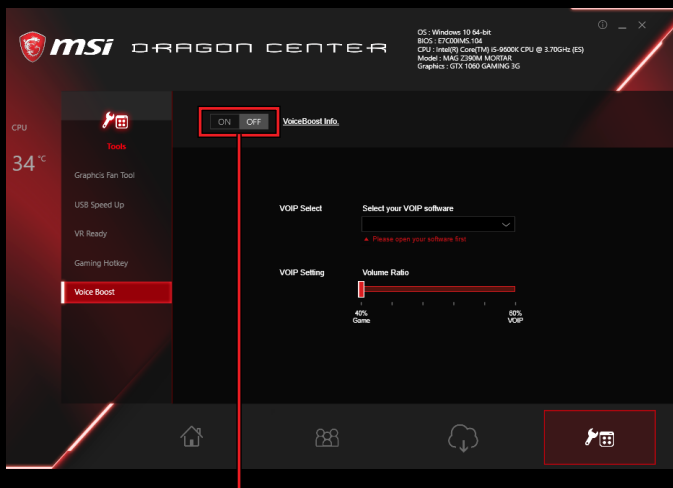
Select Hotkeys you want to delete

Click to delete selected Hotkeys

Voice Boost

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



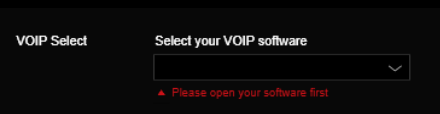
On/Off Voice Boost

Important

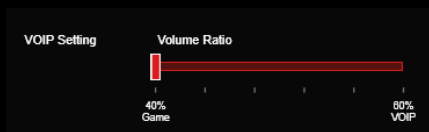
- The Voice Boost function is only available with Nahimic 2.5/3 and voice communication tools [TeamSpeak, Raidcall, Skype, SkypeHost and Discord].
- Voice Boost doesn't support PRO Series Motherboards.

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.



Notices

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Revision History

Version 2.0, 2018/09, First release

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