



msi[®]

DRAGON CENTER

User Guide

Contents

About DRAGON CENTER.....	4
Get Started.....	5
System Requirements	5
Supported Hardware	5
Installing DRAGON CENTER.....	5
Launching DRAGON CENTER.....	8
How to completely remove DRAGON CENTER.....	8
DRAGON CENTER Basics.....	9
Main Screen	9
Information Bar	9
Main Menu	10
Sub Menu	10
Game Optimization	11
Gaming Mode.....	11
Gaming Mode Option	11
How to Enable Gaming Mode	12
User Scenario	13
Selecting User Scenario	13
Setting User Options.....	13
How to Adjust the Motherboard Voltage.....	14
How to Use Game Boost	15
How to Adjust the GPU and GPU Memory Frequency.....	17
How to Adjust the DRAM Timing	18
How to Adjust the DRAM Voltage.....	19
Adjusting the Fan Speed.....	20
Monitor.....	22
How to Use the Hardware Monitor	22
True Color	24
True Color Preset Options	24
How to customize screen color	25
LAN Manager	26
Network Control Menu	26
Setting Network Speed.....	27
Customizing Application Priorities.....	28
Mystic Light.....	29
Gaming Gear	37

Product Registration 38

Live Update 39

Notices 40

 Copyright..... 40

 Revision History..... 40

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 SCREENSHOTS FOR THE UI IN THIS USER GUIDE ARE FOR REFERENCE ONLY AND THE ACTUAL UI DESIGN MAY VARY.

Get Started

System Requirements

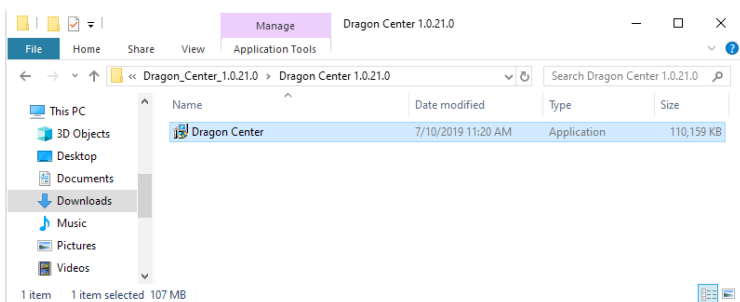
- Operating System:
 - Windows 10 64-bit

Supported Hardware

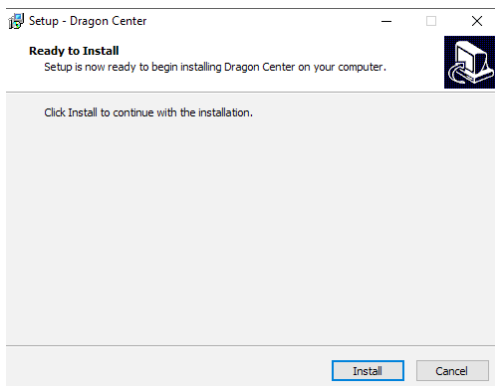
- Motherboard:
 - MSI X570 series motherboards or newer
- Graphics card:
 - MSI GeForce RTX 20 & GTX 16 Series graphics cards or newer

Installing DRAGON CENTER

1. Go to MSI Website download **DRAGON CENTER**.
2. Extract the downloaded file.
3. Double-click on the extracted **Dragon Center** setup program.

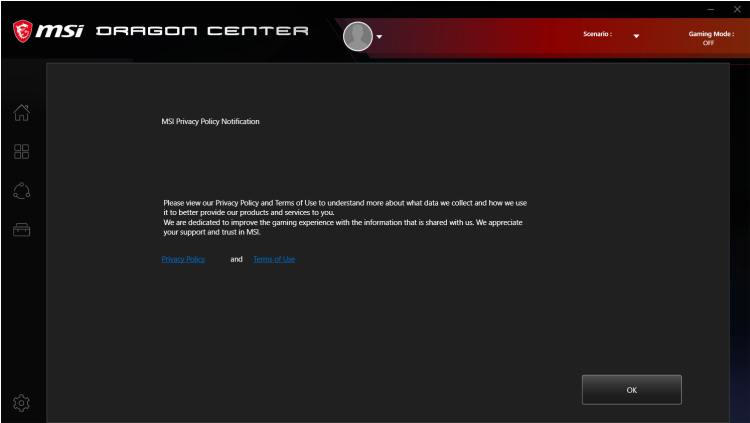


4. Click **Install** to continue the process.

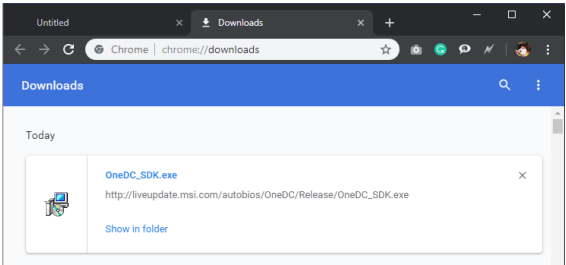


5. Select the Start button, then select Dragon Center.

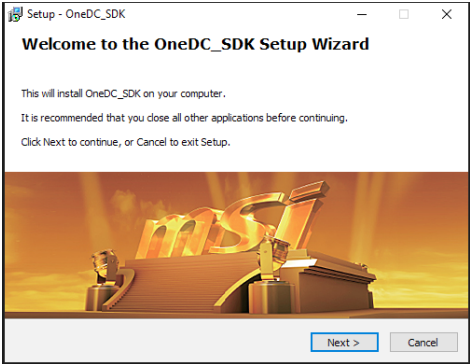
6. Click **OK**.



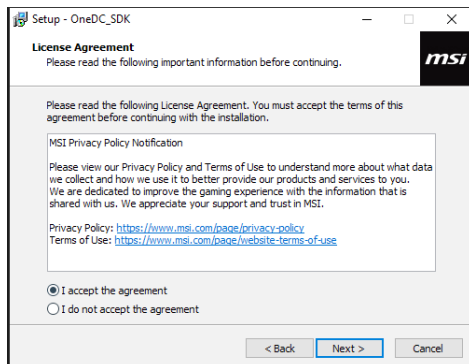
7. DRAGON CENTER will open the web browser to download **OneDC_SDK.exe** file.



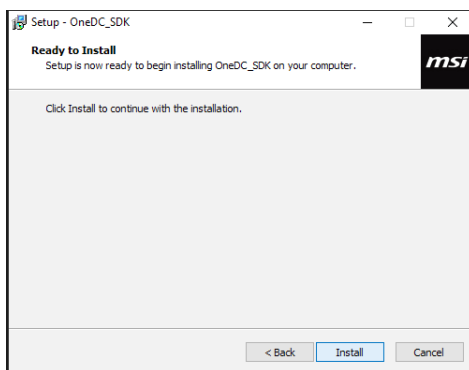
8. Execute **OneDC_SDK.exe** and click **Next** to continue the process.



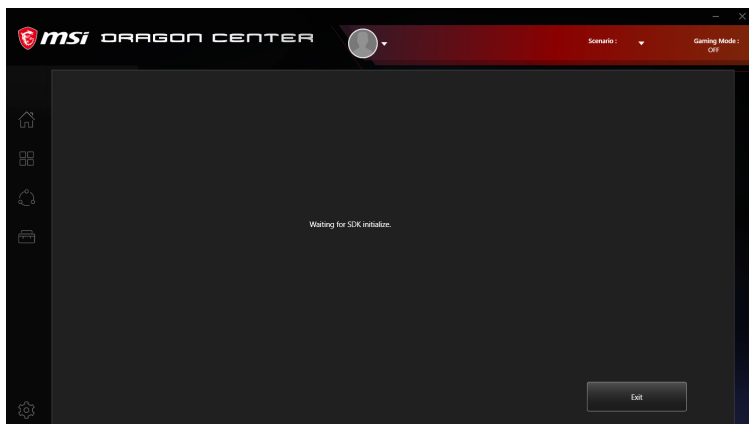
9. Select **I accept the agreement** and click **Next** to continue the process.



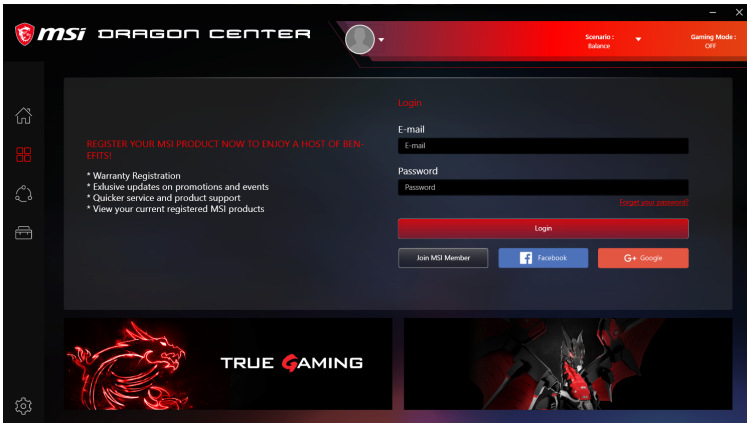
10. Click **Finish** to complete the process.



11. Please wait while UI is installed.



12. You can start to use DRAGON CENTER.

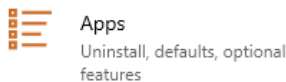


Launching DRAGON CENTER

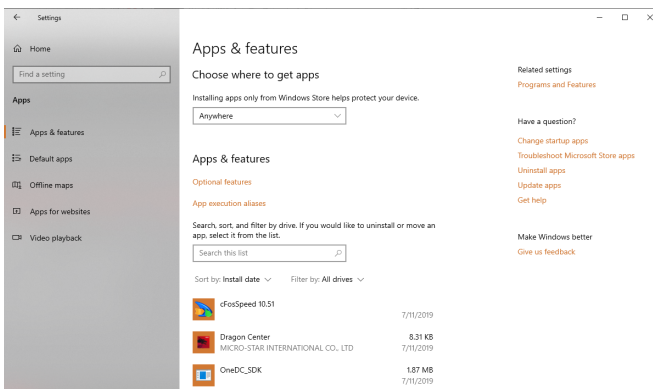
Select the Start  button, then select Dragon Center .

How to completely remove DRAGON CENTER

1. Select the Start  button, then select settings .
2. Select Apps.



3. Uninstall Dragon Center.
4. Uninstall OneDC_SDK.



DRAGON CENTER Basics

Main Screen



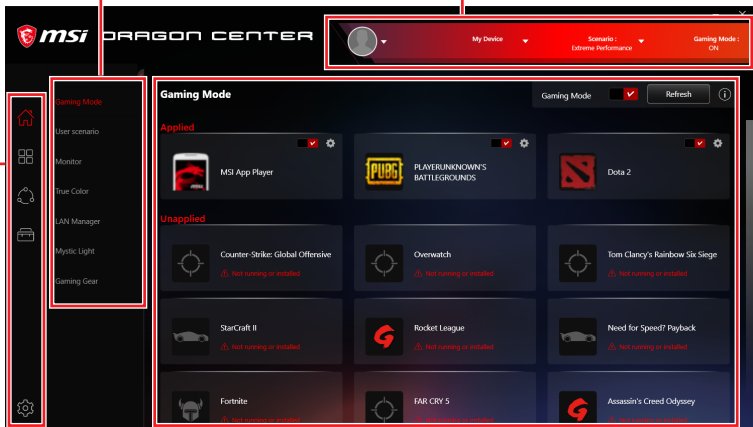
Important

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

Main Menu

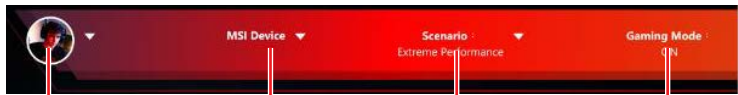
Information Bar

Sub Menu



Operation Panel

Information Bar



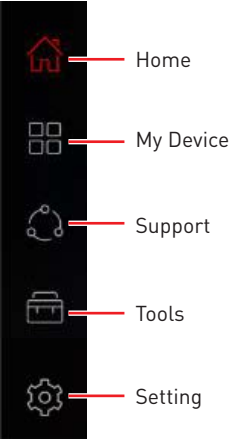
Change Your Picture/
Login/ Logout

Display MSI product
currently in use. Click to
enter the control
page.

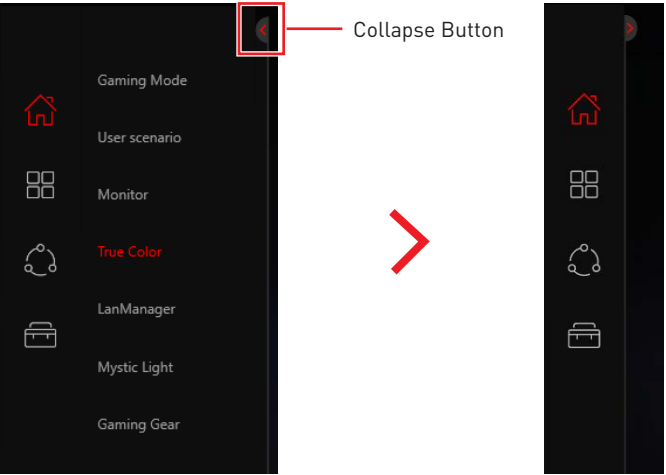
Display mode
currently applied.
Switch between
different mode by
selecting a mode from
the drop-down menu.

Display Gaming
Mode Status.

Main Menu



Sub Menu



Game Optimization

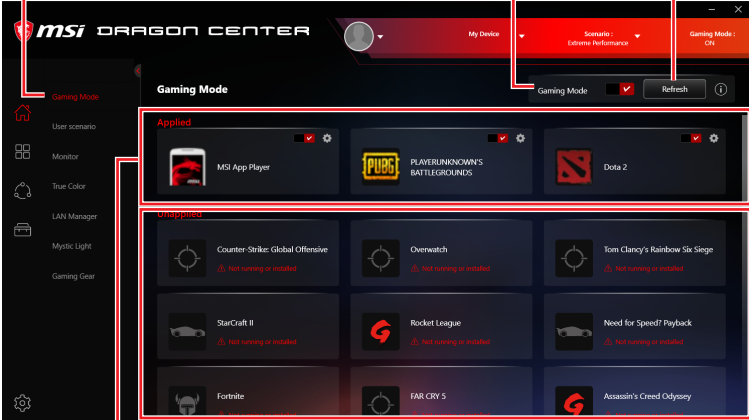
The Gaming Mode feature will optimize the computer system, monitor, cooler and other peripherals to provide the best gaming experience.

Gaming Mode

Select **Gaming Mode** in the sub menu to enter Gaming Mode control panel

Gaming Mode main switch

Refresh software list button



Applications Optimized by Gaming Mode

Applications have not been installed or optimized by Gaming Mode

Important

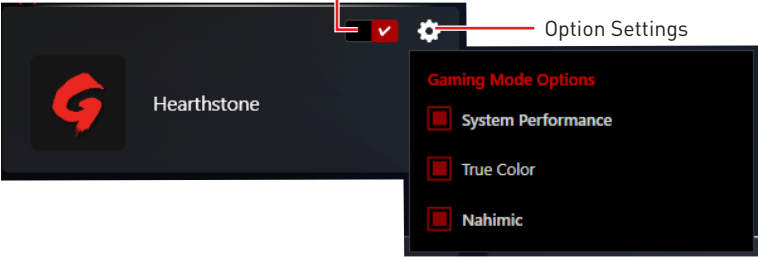
Gaming Mode doesn't support PRO Series Motherboards.

Gaming Mode Option

Game Mode switches and option settings are available in the upper right corner of each game icon. You can choose whether the game applies Game Mode such as System Performance, True Color, Nahimic and Touchpad disable while playing the game.

Gaming Mode switch

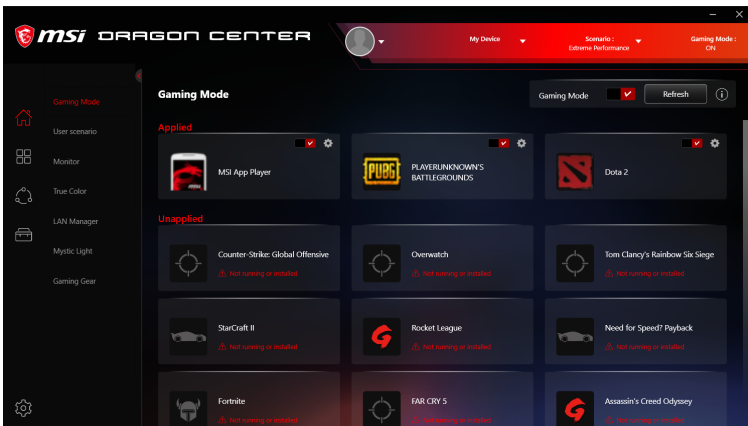
Option Settings



How to Enable Gaming Mode

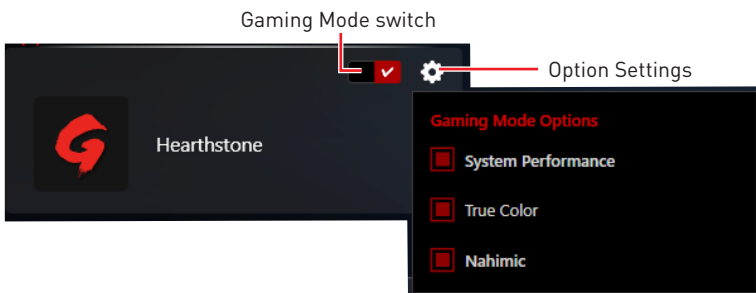
You can enable the Gaming Mode for System Performance, True Color, Nahimic and disable Touchpad while playing the game.

1. Select the installed game icon in Home > Gaming Mode.



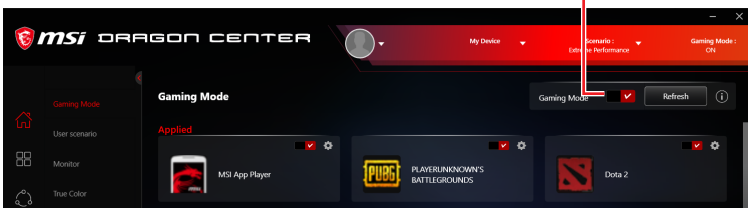
2. Check Gaming Mode Options.

3. Enable Gaming Mode switch.



4. Enable Gaming Mode main switch

Enable Gaming Mode main switch



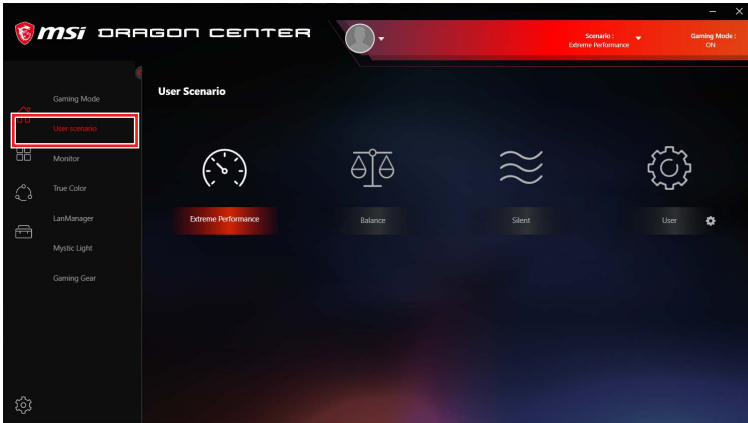
5. Play the game.

User Scenario

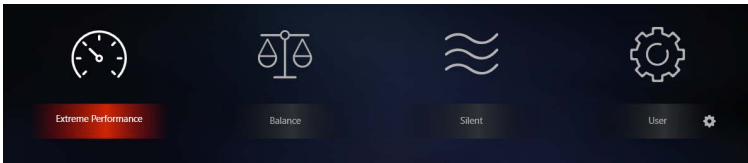
Selecting User Scenario

The DRAGON CENTER has default scenarios and customized preset options.

1. Go to Home > User Scenario.



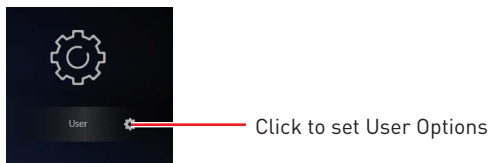
2. Select one of the options.



- Extreme Performance - Provides ultimate performance for overclocking.
- Balanced - return to system default settings.
- Silent - Reduce noise by lowering the performance where possible.
- User - allows you to customize the settings.

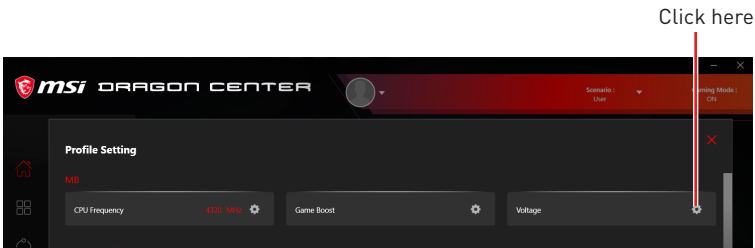
Setting User Options

Under User icon, click the gear icon to customize user options.

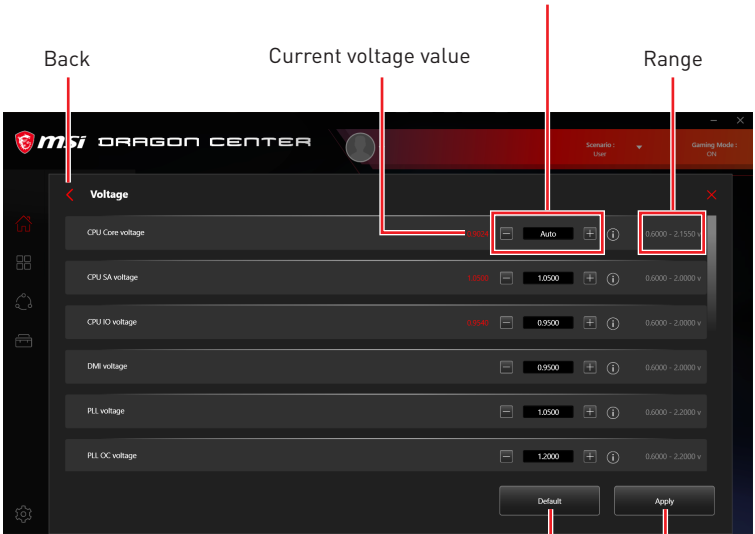


How to Adjust the Motherboard Voltage

- 1. On Home > User Scenario, click User setting.
- 2. Click the **MB > Voltage** setting .



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



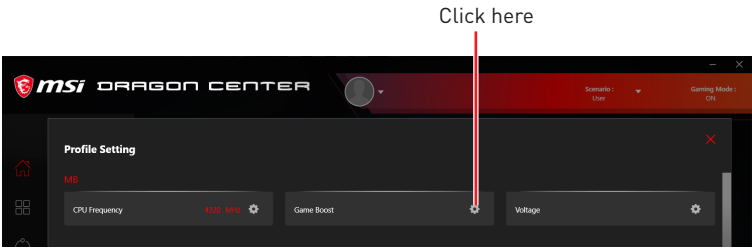
Apply changes

Default values

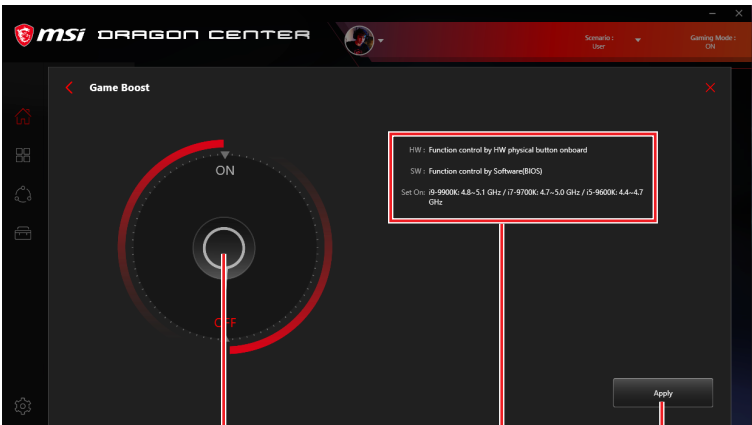
How to Use Game Boost

The GAME BOOST feature allows you to overclock your computer.

- 1. On Home > User Scenario, click User setting.
- 2. Click the **MB > Game Boost** setting .



For Motherboard with Game Boost

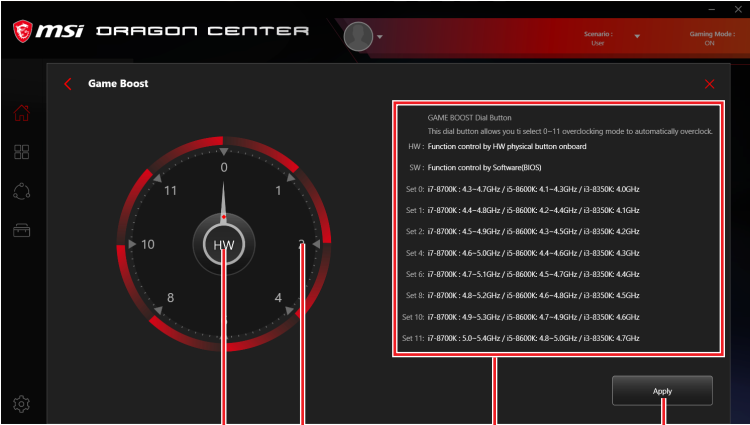


Click the On/Off button to enable/disable the Game Boost feature.

Apply changes

Function description

For Motherboard with Game Boost 8 Stages



Apply changes

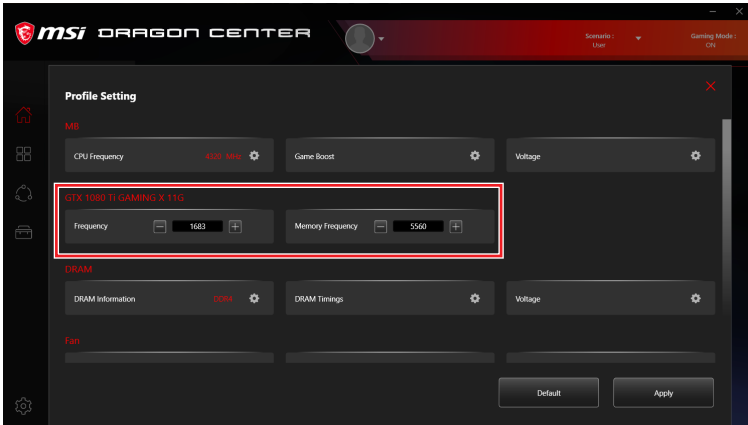
Function description

Click 0~11 number to select a stage from number 0 (default) to number 11 (extreme) for overlocking 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 Adjust the GPU and GPU Memory Frequency

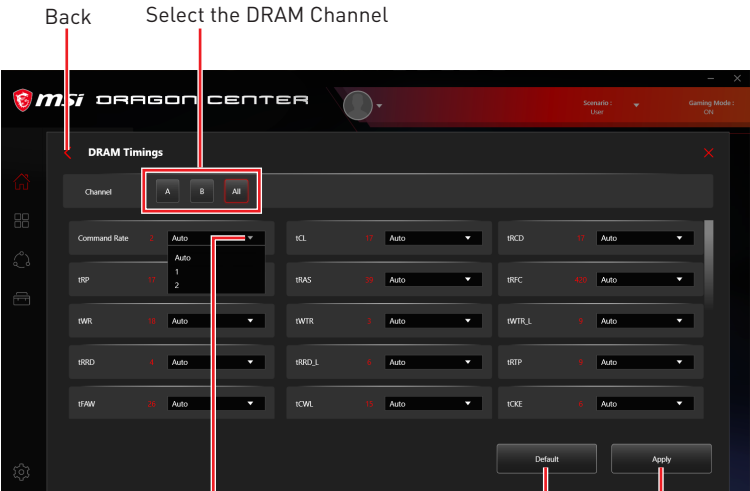
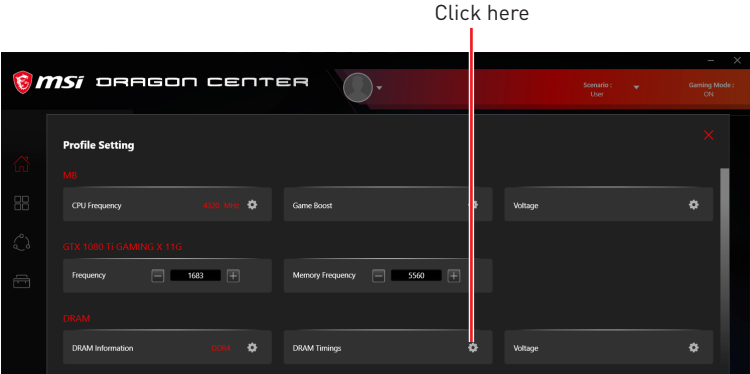
1. On Home > User Scenario, click User setting.



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

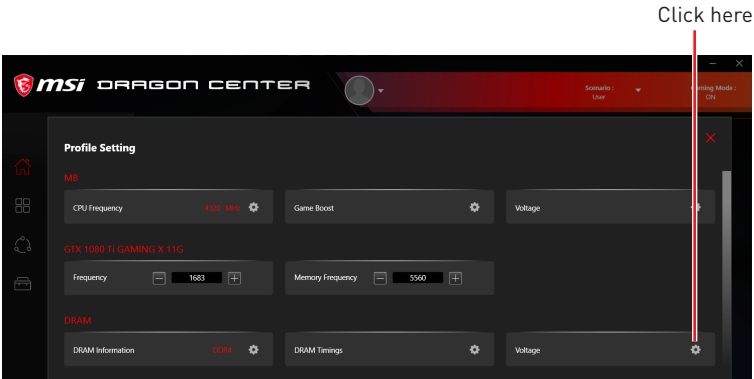
How to Adjust the DRAM Timing

- 1. On Home > User Scenario, click User setting.
- 2. Click the **DRAM > DRAM Timings** setting .

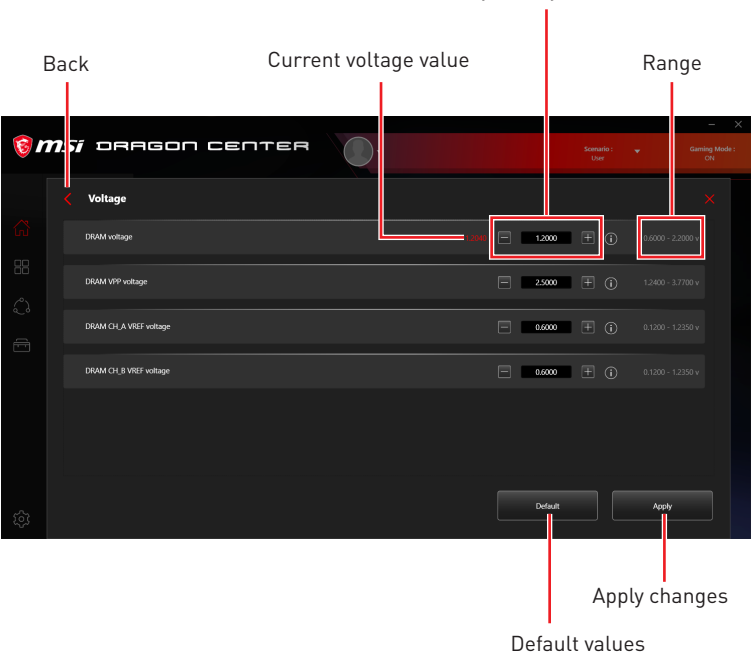


How to Adjust the DRAM Voltage

- 1. On Home > User Scenario, click User setting.
- 2. Click the **DRAM > Voltage** setting .



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



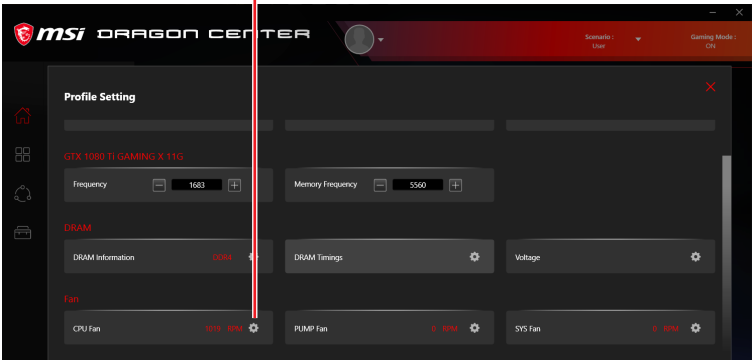
Adjusting the Fan Speed

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

How to enter the fan speed control panel

- 1. On Home > User Scenario, click User setting.
- 2. Click the **Fan > CPU/ PUMP/ SYS fan** setting .

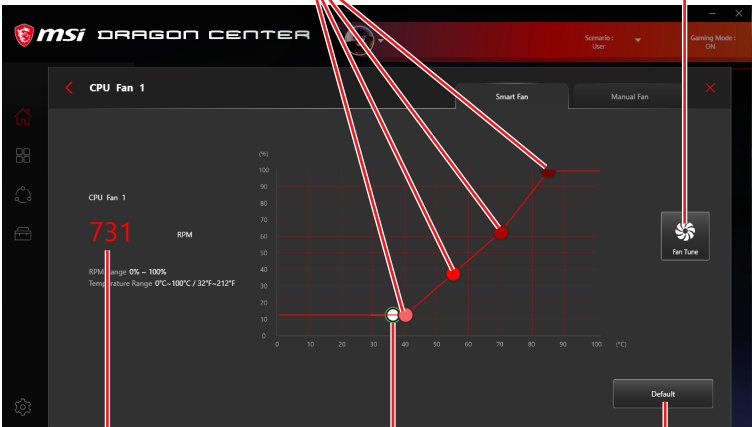
Click here



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

The white dot will create strip chart in real time.

Default setting

How to use the Manual Fan control panel

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



Current fan speed

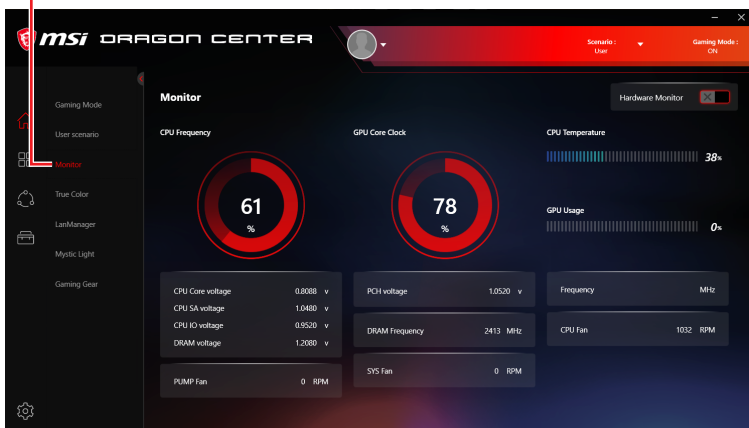
Default setting

Click the percentage to manually control the fan speed.

Monitor

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

Select **Monitor** in the sub menu to enter Monitor page



How to Use the Hardware Monitor

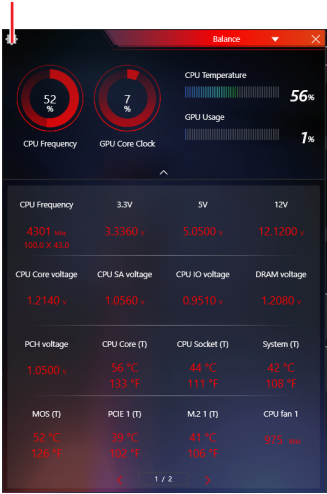
1. Go to Home > Monitor.
2. Enable the Hardware Monitor switch in the upper right corner, and the Hardware Monitor gadget will appear.

Click to enable the Hardware Monitor gadget



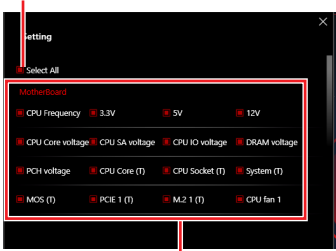
3. Click the gear icon in the top left corner of the Hardware Monitor gadget to open the monitoring item menu.

Click to open the monitoring item menu.



4. Select the item you want to display in the gadget.

Select all items



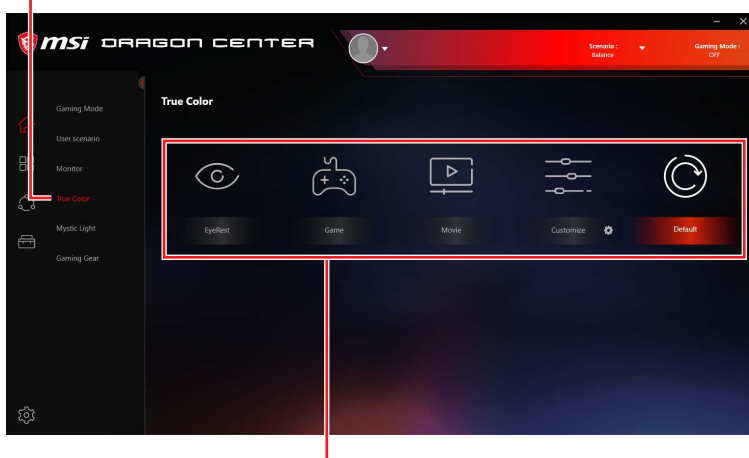
Select the item you want to display in the gadget

True Color

True Color lets you adjust the color gamma, saturation, brightness and contrast of your screen for the best viewing experience.

The True Color feature supports games in windowed mode.

Select **True Color** in the sub menu to enter True Color control panel



Select the quick screen color option

True Color Preset Options

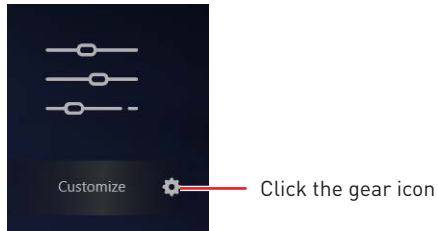
When you click the preset option, the screen color changes quickly and immediately. The color settings for each option are as follows

- **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.

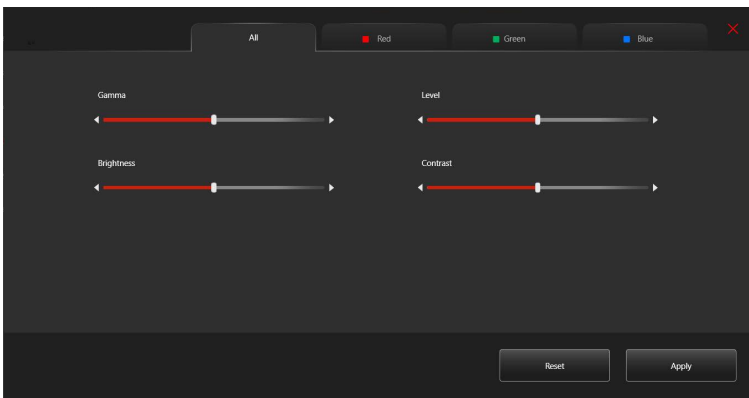
How to customize screen color

The True Color control panel has a **Customize** feature that allows you to customize your own colors.

1. Click the gear icon at the bottom of the Customize icon.



2. Click and drag the sliders to adjust the Gamma, Level, Brightness and Contrast on Red, Green and Blue tabs.



3. Click the Apply button to save the settings.

LAN Manager

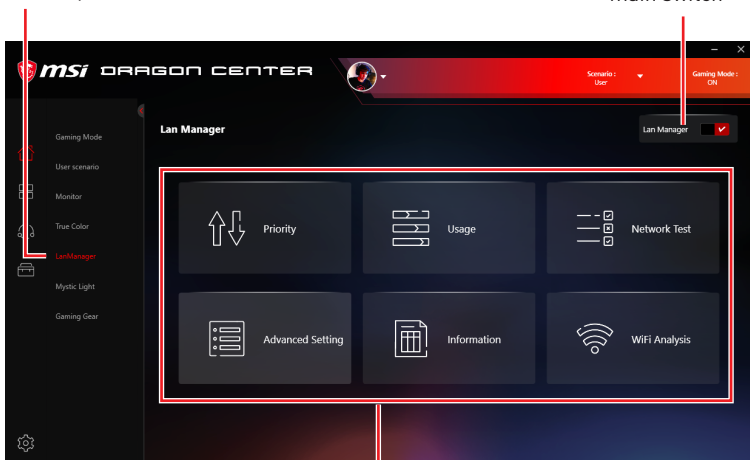
LAN Manager is applied to Windows 10 network traffic shaping. It keeps your internet speed during heavy uploads/downloads and reduces the ping value of online games. If your motherboard has a Wi-Fi module, it can also provide virtual access point functionality for your mobile device for traffic shaping.

To use LAN Manager:

1. Install the LAN driver.
2. Connect your computer to the Internet.
3. Go to Home > LAN Manager.

Select **LAN Manager** in the sub menu to enter LAN Manager control panel

LAN Manager main switch



Network control menu

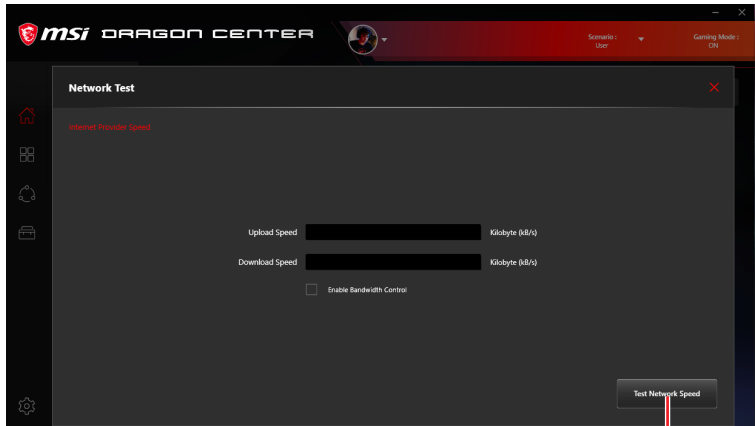
Network Control Menu

There are menus in the LAN Manager Control Panel that allow you to access the relevant Network Control function.

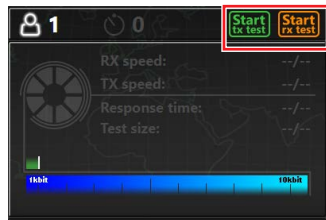
- **Priority** - customizes application network bandwidth priorities.
- **Usage** - displays the application network usage status.
- **Network Test** - allows you to setup bandwidth control.
- **Advanced Setting** - allows you to expand RWIN to accelerate download speed. You can also block IP address 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 **Test Network Speed**.
- 3. cFos Speed Test web page will be opened.



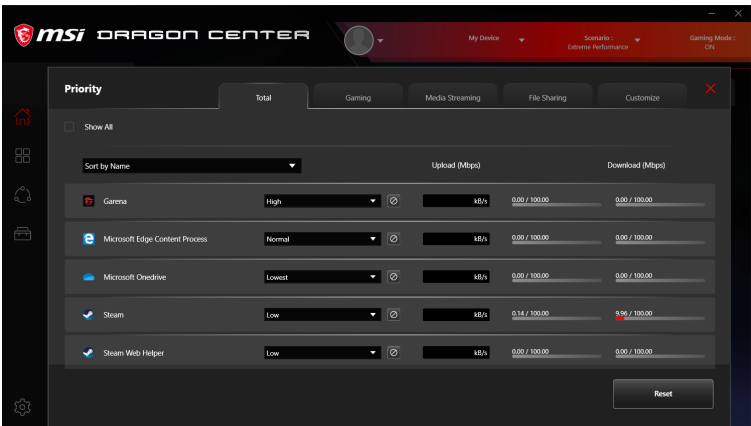
- 4. Click **Start tx test** to test Upload speed, and click **Start rx test** to test Download speed.
- 5. Fill in the speed test results in the **Upload speed** and **Download speed** input boxes.
- 6. Check the **Enable Bandwidth Control** checkbox.



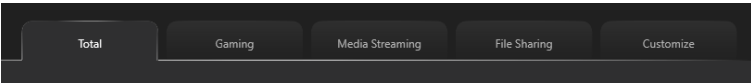
Customizing Application Priorities

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.



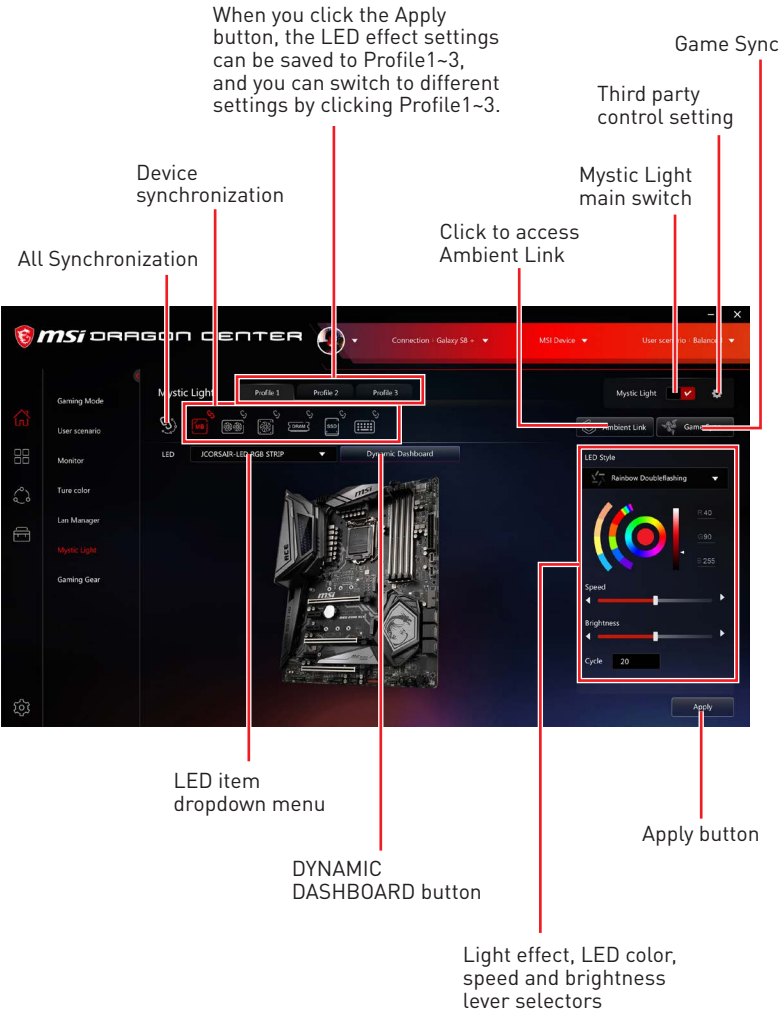
- 4. Click the drop-down menu next to the application name to select the priority of the application.



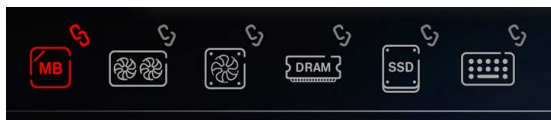
Note: To stop some applications from using bandwidth, you can click  to block the application.

Mystic Light

Mystic Light feature 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.



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



- **All synchronization** - click the big chain icon in the upper right corner.



Click the big chain icon

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

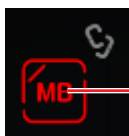


Chain icon - indicates the device has been synchronized.



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.

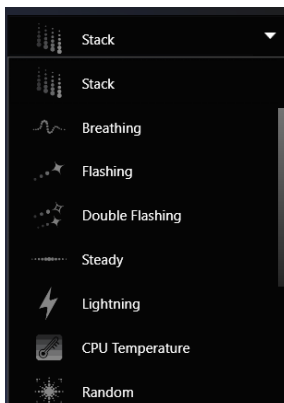


Device icon - click it to enter the device LED effect setting screen. When it is turn red, it indicates the device you're currently setting.

- **LED item dropdown menu** - Click to select the LED item on the device. The LED effects vary depending on your LED item selection.



• Light effect dropdown menu



Click 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.

• 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.

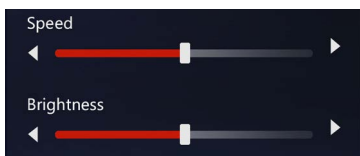


You can specify a color by editing an RGB (red, green, blue) value between 0 and 255.

Drag the brightness slider up to increase brightness or drag down to decrease brightness.

Use the Hue Circle to choose the color you want. The color you choose will be displayed on the center circle.

• Effect speed and brightness level



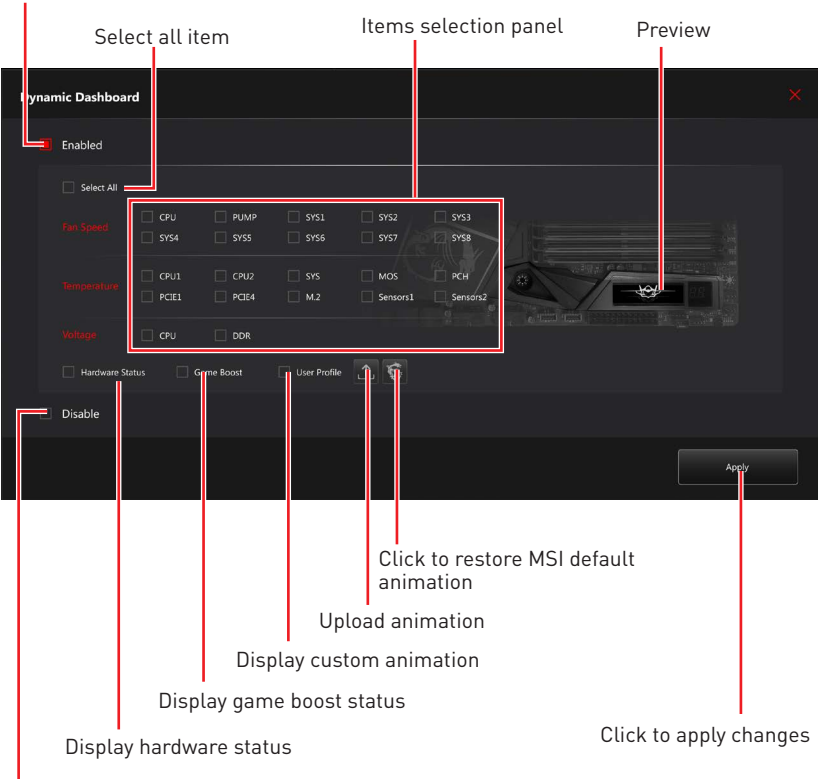
Drag the sliders to adjust the LED light effect switching speed and light brightness.

Please note that these function will only be available if your device supports it.

DYNAMIC DASHBOARD Control Panel (optional)

Click DYNAMIC DASHBOARD button to open the DYNAMIC DASHBOARD control panel.

Enabled DYNAMIC DASHBOARD



Disabled DYNAMIC DASHBOARD

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

256px

64px



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

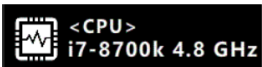
Temperature : CPU / System / MOS / PCH / PCIe / M.2 / Sensors temperature

Voltage : CPU / Memory voltage



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



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

Ambient Link

With the Ambient Link feature, it will provide visual color feedback on Philips Hue and Nanoleaf depending on what is happening in your game. To use Ambient Link, you need to follow the instructions below to complete the link setup.

Supported Motherboards

- MEG Z390 GODLIKE
- MEG Z390 ACE
- MPG Z390 GAMING PRO CARBON AC
- MPG Z390 GAMING EDGE AC
- MEG X570 GODLIKE
- MEG X570 ACE
- PRESTIGE X570 CREATION
- MPG X570 GAMING EDGE Wi-Fi

Network Requirements

- The router is broadcasting a 2.4GHz network.
- The Wi-Fi network is using WPA/WPA2 security.
- The router is configured for any of the Wi-Fi modes a/b/g/n.

Philips Hue Setup (optional)

1. Plug in your Hue bridge and it will automatically power up.
2. Connect it to the router LAN port.
3. Wait for the two lights to come on and you are good to go. (Left is power light and center is local network)

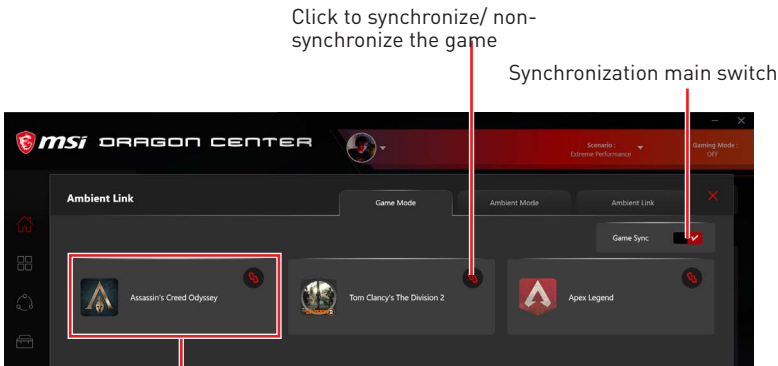
Nanoleaf Setup (optional)

- The router is compatible with Bonjour (mDNS).

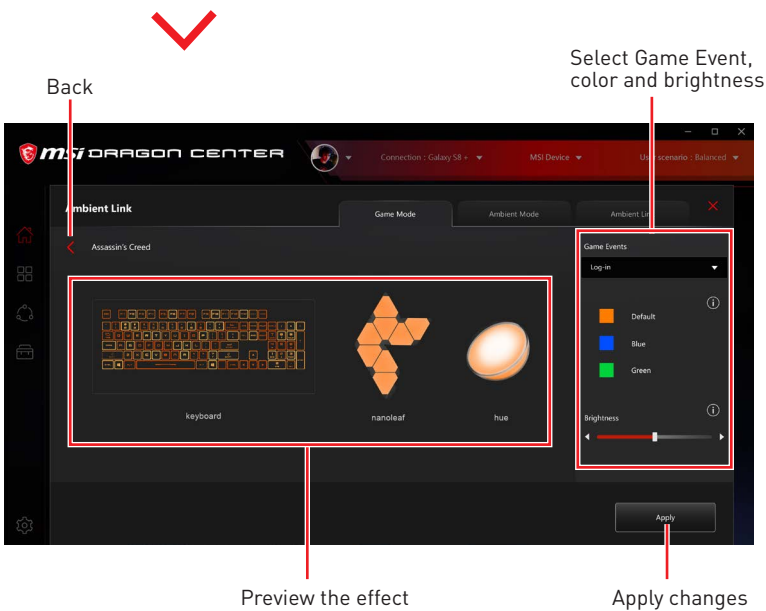
Ambient Link Control Panel

Game Mode and Ambient Mode can only be activated one at a time in the Ambient Link control panel.

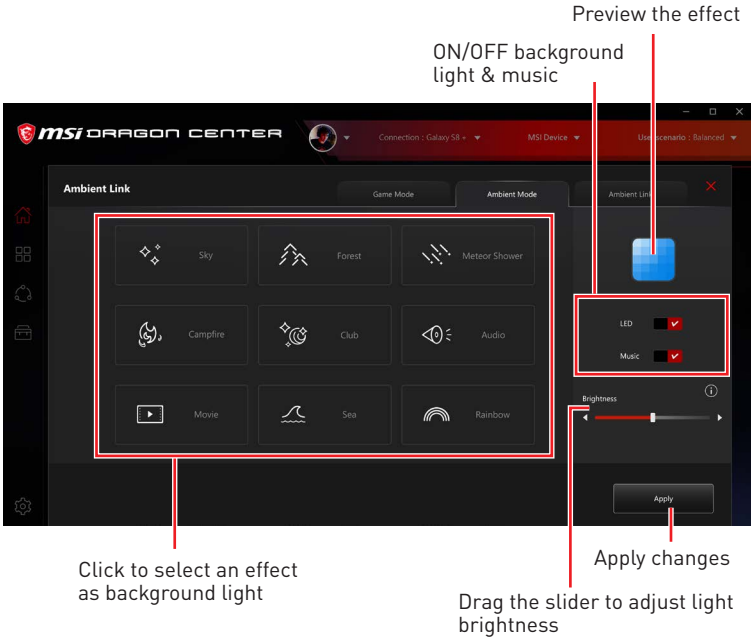
• Game Mode tab



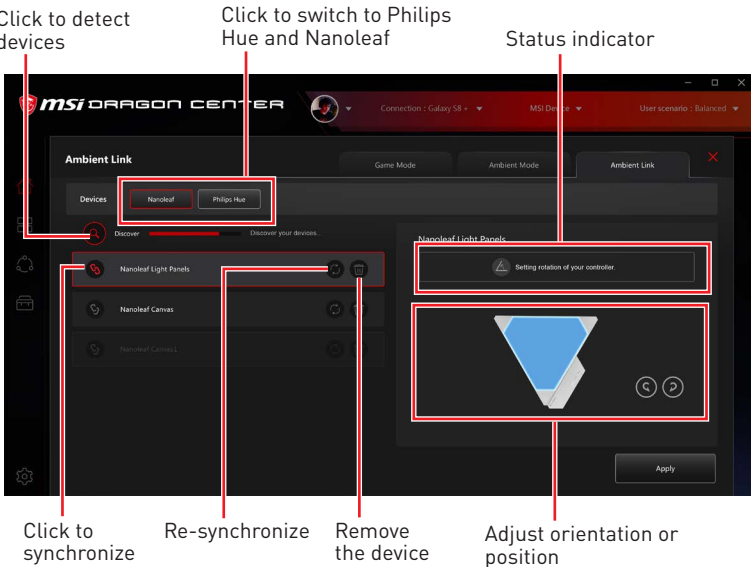
Click to access the game control panel



• Ambient Mode tab



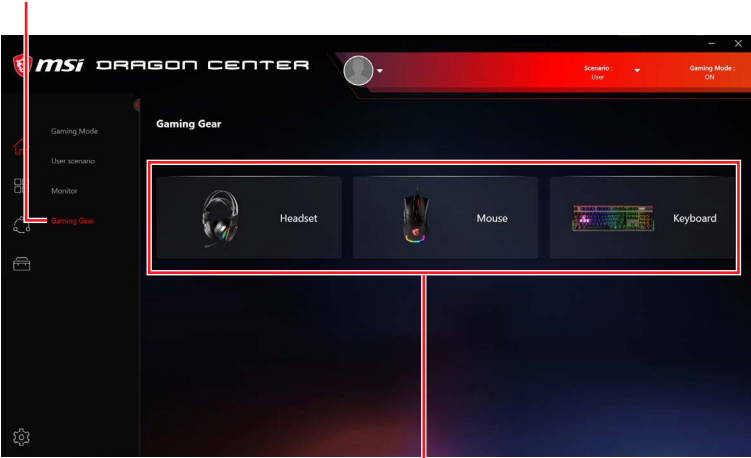
• Ambient Link tab



Gaming Gear

This panel allows you to control MSI's gaming gear or supported third-party devices.

Select **Gaming Gear** in the sub menu to enter Gaming Gear menu

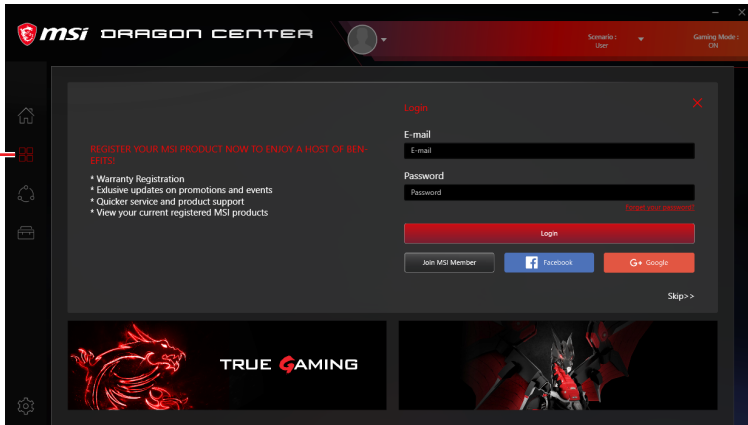


Supported devices will be displayed here. Click to enter the control panel of the device.

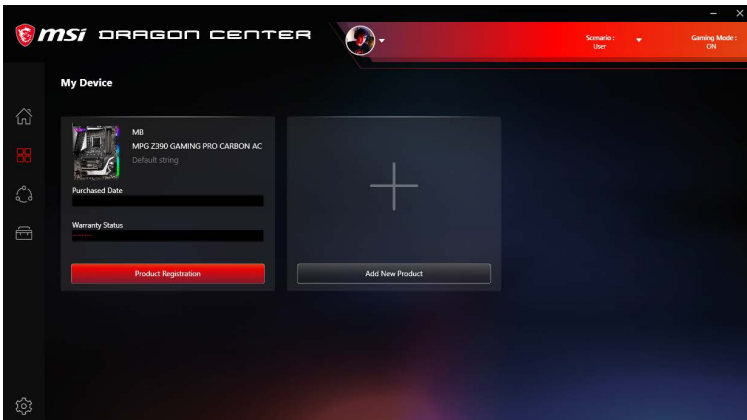
Product Registration

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

Select **My Device** in the sub menu to registrar your product



Login to your MSI account on this My Device tab. If you don't have an MSI account, please click the **Join MSI Member** button or use Facebook, Google Plus to login.



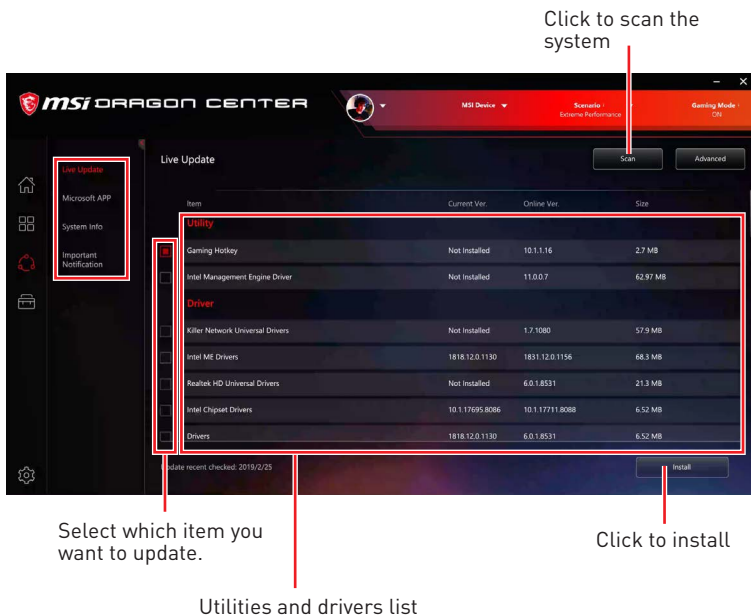
Click the **Product Register** button and fill in the product registration form.

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. Go to Support > Live Update.



Notices

msi Micro-Star Int'l Co.,Ltd.

The MSI logo used is a registered trademark of Micro-Star Int'l Co., Ltd. All other marks and names mentioned may be trademarks of their respective owners. No warranty as to accuracy or completeness is expressed or implied. MSI reserves the right to make changes to this document without prior notice.

Copyright

© Micro-Star Int'l Co.,Ltd. 2019 All rights reserved.

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

Version 2.4, 2019/07, UWP version