

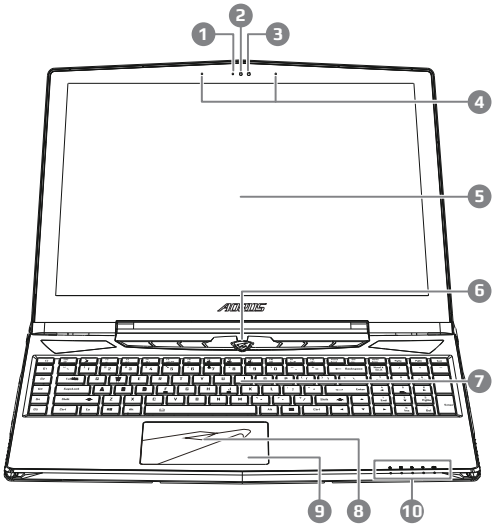
X5

V5.1

Congratulations on your purchase of the AORUS Notebook !

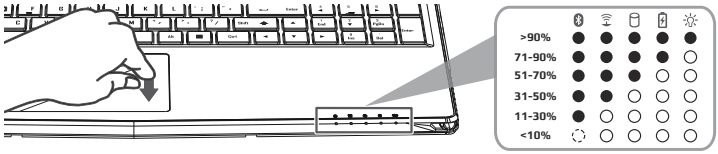
This Manual will help you to get started with setting up your notebook. For more detailed information, please visit our website at http://www.aorus.com. All specifications are subject to the manufacturer's configuration at the time of shipping and may change without prior notice,written or otherwise.

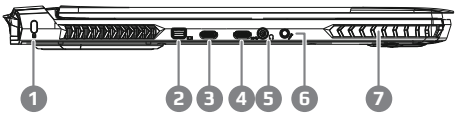
AORUS Notebook Tour



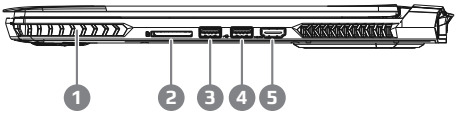
1. Webcam Indicator
2. Webcam
3. Light sensor
4. Microphone
5. Display Panel
6. Power Button
7. Keyboard
8. Touchpad
9. Battery Indicator Button ❶
10. Status Indicators
    - Bluetooth Indicator
    - Wireless Indicator
    - Drive Activity Indicator
    - Battery Charge Indicator
    - Power Indicator

❶ Press the right button of touchpad to check the remaining battery power.Right click to show the remaining power percentage. As shown below, the battery life indicator is available when the laptop is shut down, in stand-by or hibernation.(Battery mode)

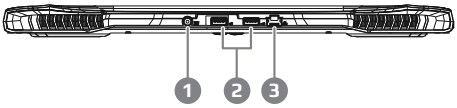




1. Kensington Lock Slot
2. Mini Display Port
3. Thunderbolt 3.0 Port (USB type-C)
4. USB 3.1 Port (USB type-C ,Gen 2)
5. Headphone Output Jack Port
6. Microphone Input Jack Port
7. Speaker



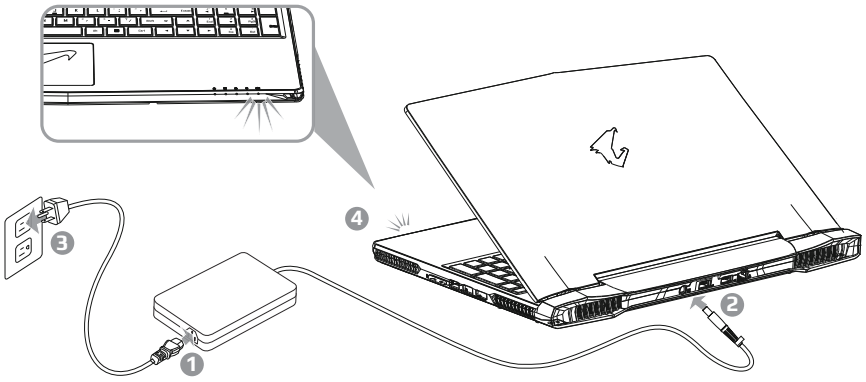
1. Speaker
2. SD Card Reader
3. USB 3.0 Port (USB type-A)
4. USB 3.1 Port (USB type-A ,Gen 2)
5. HDMI 2.0 Port



1. Power (DC) Input Port
2. USB 3.0 Port (USB type-A)
3. Ethernet (LAN) Port

Using AORUS Notebook for the First Time

1. Connect the power cord to the AC adapter.
2. Connect the adapter to the Power (DC) Input Port on the back side of the notebook.
3. Connect the power cord to the power outlet.
4. While the Battery Indicator lights on, press the Power Button to turn on the notebook.



⚠ IMPORTANT

- Ensure that your Notebook PC is connected to a grounded power adapter before turning it on for the first time.
- When using your Notebook PC on power adapter mode, the socket outlet must be near to the unit and easily accessible.
- Locate the input/output rating label on your Notebook PC and ensure that it matches the input/output rating information on your power adapter. Some Notebook PC models may have multiple rating output currents based on the available SKU.
- Power adapter information：

  ❶ Input voltage / Input frequency：100-240 Vac / 50-60 Hz

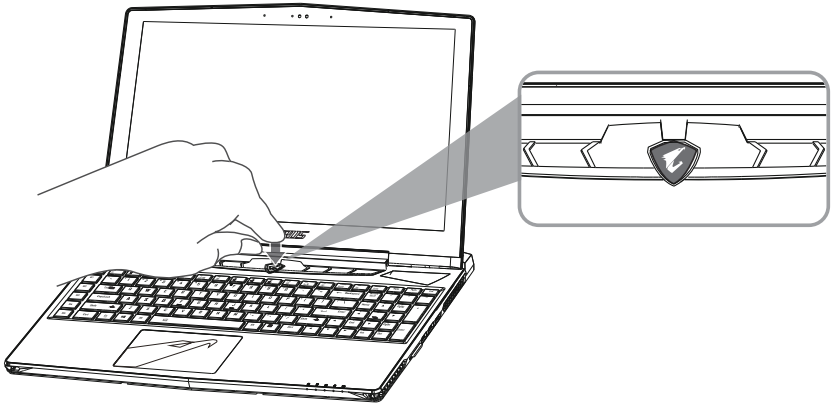
  Rating output voltage / Rating output current：19.5 Vdc / 10.3 A

1 Switching on the Power

After you turn on the notebook for the very first time, do not turn it off until the operating system has been configured. Please note that the volume for the audio will not function until Windows® Setup has completed.

2 Booting Up the notebook for the First Time

Depending on your configuration, the Microsoft® Windows® Boot Screen may be the first screen that you will see as the notebook starts up. Follow the on screen prompts and instructions and enter your personal information to complete the setup of the Windows® Operating System.



⚠ WARNING

- Do not remove the built-in lithium battery. For any service needs, please contact your local AORUS Authorized Service Center.
- Do not install the Notebook PC on a slant or a place prone to vibrations, or avoid using the Notebook PC in that location for a long time.This increases the risk that a malfunction or damage to the product will occur.
- Do not store and use Notebook PC in direct sunlight or the location where temperatures exceed 112°F (45°C) such as inside a vehicle.There is a danger of Lithium-ion battery expansion and aging.
- Do not use the Notebook PC in a badly ventilated location such as on bedding, on a pillow or cushion, etc, and do not use it in a location such as room with floor heating as it may cause the computer to overheat.Take care that the Notebook PC vents (on the side or the bottom) are not blocked especially in these environments. If the vents are blocked, it may be dangerous and cause the Notebook PC to overheat.

X5 Operation Manual

Hardware Upgrade

User may upgrade memory or carry X5 to nearest repair center to upgrade; Please visit AORUS official website for compatible memory brands.

⚠ CAUTION

- Please ensure X5 is not powered on and unplugged to power source before the upgrade. Any damage during user's upgrade will not be covered by warranty, and user shall be responsible for related repair cost; hence recommend to carry your laptop to nearest service center for the upgrade.
- In order to maintain optimum compatibility and performance, please visit AORUS official website FAQ for the supported memory module manufacturers, avoid compatibility problems or poor performance.

Battery Protection

When battery is in use for a period of time (not connected to power source and in high performance mode),Mass power discharging on battery in a short period of time may cause battery to run at high temprature and may shorten its lifespan. in order to protect the battery's lifespan, the battery will not be chargeable when its temperature is higher than 45 ° C. The mechanism for this is to protect the battery life. However, after user connects to power adapter, battery stops discharging and temperatures below is 45 ° C, the battery will start charging back to the source and to maintain normal operation.Command & Control is a software that integrates a list of basic settings to a single interface, providing user a faster and better experience when customization is needed.

HotKeys

The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness and volume output. To activate hotkeys, press and hold the <Fn> key before pressing the other key in the hotkey combination.

Hotkey	Function	Description
Fn + Esc	Maximize Fan Speed	To increase the fan speed to 100%.
Fn + F1	Sleep	Put the computer in Sleep mode.
Fn + F2	Wireless LAN	Turn the Wireless LAN function ON and OFF.
Fn + F3	Brightness Down	Decrease the screen brightness.
Fn + F4	Brightness Up	Increase the screen brightness.
Fn + F5	Display Toggle	Switche display output between the display screen ,external monitor (if connected) and both.
Fn + F6	Screen Display Toggle	Turn the screen display ON and OFF.
Fn + F7	Speaker Toggle	Turn the speaker ON and OFF.
Fn + F8	Volume Down	Decrease the sound volume.
Fn + F9	Volume Up	Increase the sound volume.
Fn + F10	Touchpad Toggle	Turn the internal touchpad ON and OFF.
Fn + F11	WiFi / Bluetooth Toggle	Turn the WiFi / Bluetooth function ON and OFF.
Fn + F12	Webcam	Turn the internal webcam ON and OFF.

Marco Key

Macro keys can be set via AORUS Fusion, setting combination keys for complicated and/or general operation.

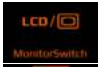
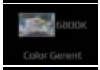
Marco Key	Function	Description
G	Macro group	Macro group switch, press around 3 secconds as hardware switch on/off.
G1	Macro key 1	User self-definition Macro key.
G2	Macro key 2	User self-definition Macro key.
G3	Macro key 3	User self-definition Macro key.
G4	Macro key 4	User self-definition Macro key.
G5	Macro key 5	User self-definition Macro key.

Command & Control

Command & Control is a software that integrates a list of basic settings to a single interface, providing user a faster and better experience when customization is needed.



Hotkey	Function	Description
	OC Gauge	Easily do CPU / GPU overclocking with OC Gauge and close look to system info including: CPU usage、GPU usage、memory usage、system temperature and fan speed.
	Overclock	Adjust CPU / GPU overclocking level.
	Fan Control	Adjust fan speed according to user's preference.
	Quiet	System will try to lower the fan speed to increase the battery life and reduce the noise without affecting light-weight tasks process such as using Word or 2D drawing.
	Normal	System will automatically adjust the fan speed upon your usage and try to keep the noise down.
	Gaming	System will automatically adjust the fan speed upon your usage and have better performance without losing stability.
	Customize	User can enjoy adjusting different maximum fan speed under "Auto Maximum" or "Fixed Mode".
	Deep Control	Based on different temperature users can fully customize your own fan policy.

Hotkey	Function	Description
	NV Control Panel	Connet to NVIDIA control panel for more detail setting.
	Do Not Disturb	User can disable system update.
	Volume	Adjust volume.
	Brightness	Adjust Screen brightness.
	Wi-Fi	Turn ON or OFF Wi-Fi connection.
	Bluetooth	Turn On or Off Bluetooth connection.
	Power Mode	Adjust the power plan by user usage in order to obtain maximum battery life or performance.
	Monitor Switch	Switch between the computer screen and the external display video output, or simultaneous display.
	X-Rite Pantone Color	Turn ON or OFF X-Rite Pantone Color.
	Color Gerent	Adjust color temperature according to user. Also move the bar at bottom to adjust the brightness of blue light which eases your eyestrain.
	OSD Switch	Enable/Disable the display of status while adjusting the settings through keyboard hotkeys.
	Charging Policy	It enables users to select a Battery Setting that is optimized for specific system usage patterns.
	Standard	Fully charges at a moderate rate.This setting provides a balanced battery life. Set this mode as default is recommended.
	Express	Quickly charges for users who need the battery to charge quickly.
	Quality	Extends battery life by lowering charge.
	Customize	Advanced charges.User can select when the battery stops charging.

AORUS Fusion

Thank you for choosing of AORUS notebook along with AORUS Fusion. AORUS Fusion is a gaming software which combines the macro control, backlit control and sound effect control. With AORUS Fusion you can set up your gaming environment in a second. You will always get ahead of your enemy in the preparation of war! Please read following instruction of AORUS Fusion:



AORUS Fusion Overview



1. Profile in use now
2. Backlit control tab
3. Key action tab (Macro setting)
4. Setting tab
5. Macro recording button
6. AORUS Fusion setting selection
   Including Restore Default & Fusion Update
7. Stand-alone Macro Key
8. Main keyboard

Key Action

You can set macro on every key cap here. Just click the key you want to set macro and it will pop out the macro assign page



1 . Shortcut page

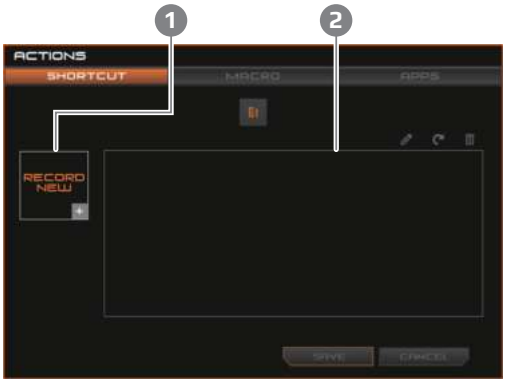


1 Current assigning key

2 Common short-cut setting option

Default option is removing

2 . Macro page



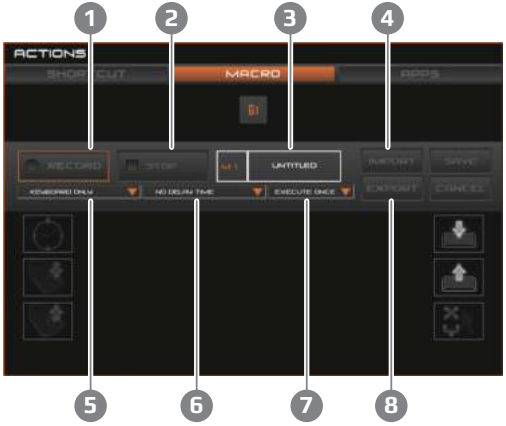
1 Record new macro

Click it to enter if you want to record new macro

2 Current available macro list

You can choose available macro here

2-1 . Record new macro



1 Start recording macro

2 Stop recording macro

3 Macro name

you can set the name of macro here

4 Import macro

5 Record range

You can choose to record the key stroke, mouse click, mouse movement or any combination of them

6 Delay time

You can set the record delay time here

7 Macro execution way

You can set the execution way of macro here

8 Export macro

3. Apps



1 Choose the app you want to start with the key

Light Control



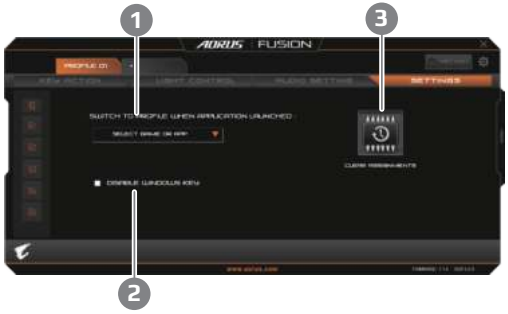


1. G Key group, you can have five different group light at most
2. Main keybaord area, you can select single or multiple key to set the light

   only under custom mode
3. Animation list, you can select light effect you want here
4. Advanced setting of light effect, you can set further light setting here

Settings





1 Choose the apps you want to run with the profile

You can choose the app connected with the profile. Once the app is launched, AORUS fusion will automatically switch the keyboard to connected profile

2 Disable Windows key

3 Clear assignments

Key action setting of this profile will be cleared

Killer LAN

Killer LAN can automatically adjust the priority of network transmission, allowing the user to have the best gaming network speed, by effectively reducing ping values and gain sequence control over different softwares that require network packet. User may set the software manually by Killer LAN's specific program with the highest priority network packets; Moreover, user may also configure the network for the download priority for online videos and games packets to achieve the best network optimization.

Killer LAN : Transmitting priority control



Now you can have full control of your network transmittion. Killer Lan let you set the priority of every apps connected. You don't need to worry about the lag in game while downloading files simultaneously. Kille Lan will have the highest priority apps transmitting the data through LAN and have lower priority apps through WLAN. Stop the lag and fully utiilize your bandwidth now!

Killer Doubleshot Pro



Killer Doubleshot Pro can combine the bandwidth of LAN and WLAN. With Killer Doubleshot Pro, you can have bigger bandwidth on dealing with packet crowded apps such as online game, online movie or BT download. Just a simple click and start to enjoy bigger bandwidth!

System Backup Guide

1



Please plug in the USB disk which is at least 20GB in capacity to make the original image (backup the data in USB first. All data will be eliminated during the creation of recovery USB disk)

2



Insert the driver disk to your optical drive and run the install of "System Backup" (for none-ODD model, please use USB ODD device or download from http://www.aorus.com.)

3



Run the "System Backup" after finishing the install.

4



Select your USB disk from the drop-down list and start to create the recovery USB disk.

5

- The window will pop out when the creation of recovery disk is done.
- Please press F12 on starting the system when you need to restore the system. Select "boot from recovery USB disk" and the system will be restored.
- The time needed for restore will be around 30 mins(time needed may vary by USB disk model) .

⚠ WARNING

- You can backup original recovery image through this application in case of losing by device damage.
- You can backup original recovery image to USB disk and restore the system if any storage system replacement with the recovery USB disk.
- Before you restore the system through the recovery USB disk, please make sure that you have already made the backup of your data.
- Please do not shut down or un-plug the system when performing backup through recovery USB disk.

Recovery Guide

System Recovery (Restore your laptop operating system)

When something is going wrong with the laptop operating system, the storage of the laptop has a hidden partition containing a full back up image of the operating system that can be used to restore the system to factory default settings.

⚠ **CAUTION**

- If the storage has been switched or the partition deleted, the recovery option will no longer be available and a recovery service will be needed.
- The recovery function is only available on devices with O/S preinstalled. Devices with DOS do not have the recovery function.

Launch System Recovery

The system recovery feature is preinstalled before the laptop is shipped from the factory. The option menu allows you to launch the Windows recovery tool to reinstall the operating system to factory default. The brief introduction below will show you how to start the recovery tool and restore your system.

⚠ **All ready to go**

- Make sure your PC is plugged in. This will take a few minutes.

Windows 10 Recovery Guide

1 **Turn off and restart the laptop.**

2 

During the laptop turn on process, press and hold F9 key to launch the tool.

3 

Choose "Troubleshoot" to enter the recovery settings.
(Also you can choose "Continue" to exit recovery system and continue to Windows 10 for files or data backup.)

⚠ **There are two options for system recovery**

- **Reset this PC**

  You can choose to keep or remove your files and then reinstalls Windows without losing your files.

- **AORUS Smart Recovery**

  Your PC settings will be restored to factory default settings.
  Caution : All personal data and files will be lost.

4 

Choose "Reset this PC"

- **Keep my files**

  Choose an account to continue.All apps will be removed, and settings will back to pure O/S (without AORUS app), but your personal files will be kept.

- **Remove everything**

  All apps, setting and personal files will be removed.

  - **Just remove my files**

    Only personal data and files will be removed, but computer settings will be kept.

  - **Fully clean the drive**

    The drive will be completely restored to factory default settings. It takes more time.
    > [Click on "Reset" to execute recovery function.]

  ⚠ **Here are what will happen**

  - All of your personal files and apps will be removed.
  - Your PC settings will be restored to pure O/S (without AORUS app) .

Choose “AORUS Smart Recovery”



The recovery will be activated and you will see the option buttons on the window. Click on “Yes” to start it.

CAUTION

- Once the “Recovery” is selected, your personal data and files will be deleted after the laptop starts restoring, and the operating system will be reset to factory default settings.
- A progress indicator bar will show on the window when the recovery process is running. Please make sure the AC-adapter is plugged in and do not turn off the laptop.



After the system recovery is completed, you will see the option button on the window, please click on “Shutdown”.

5

Advanced options

System Restore

Use a restore point recorded on your PC to restore Windows.

System Image Recovery

Recover Windows using a specific system image file.

Startup Repair

Fix problems that keep Windows from loading.

Command Prompt

Use the Command Prompt for advanced trobleshooting.

UEFI Firmware Settings

Change settings in your PC's UEFI firmware.

Startup Settings

Change Windows Startup behavior.

Appendix

Warranty & Service

Warranty and service and related information please refer to the warranty card or service website as the below link: http://www.aorus.com

FAQ

FAQ (Frequent Asked Questions) please refer to the below link: http://www.aorus.com