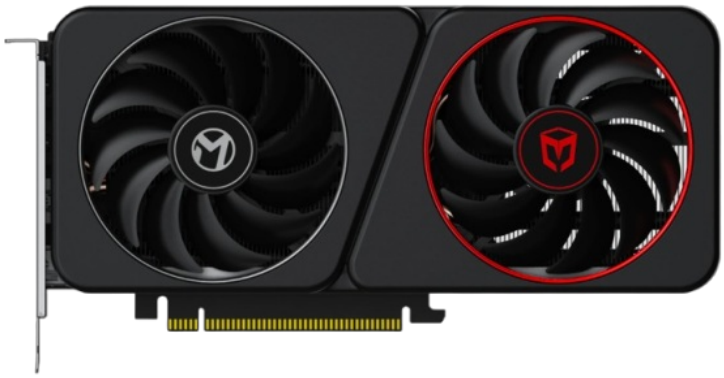
MAXSUN Intel Arc Graphics Card User Manual



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Declaration

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About This Manual:
This manual is designed for beginners. It includes an introduction to the features of INTEL graphics products, hardware installation, and driver software installation instructions. It also explains some technical terms and can be used as a reference for technical matters.

FCC Regulations:

This device fully complies with the requirements of Part 15 of the FCC Rules. This device meets the following two conditions:

1. This device does not cause harmful interference;
2. This device can accept any interference, including interference that may cause undesirable operation.

Note: In accordance with the requirements of Part 15 of the FCC Rules, this device has been tested and complies with the limits for Class B digital devices (as specified by Part 15 of the FCC Rules). These limits are designed to provide reasonable protection against harmful radio frequency interference in residential installations. This device generates and emits radio frequency energy, and if not installed and used in accordance with the manufacturer’ s instructions, it may cause harmful interference to radio communications. However, installation in a particular location does not guarantee that no interference will occur. If this device does cause harmful interference to radio or television reception (which can be determined by turning the device on and off), the user is encouraged to try one or more of the following measures to correct the interference:

- Reorient or relocate the receiving antenna;
- Increase the separation between the device and receiver,
- Plug the device into an outlet on a different circuit from the receiver;
- If necessary, consult the dealer or an experienced radio/TV technician for help.;

Warning:

To ensure compliance with the above regulations, please ensure that the device remains intact and undamaged.
No modifications or changes may be made to the device without explicit consent from the manufacturer.

CSC Regulations:
In accordance with the Radio Interference Regulations set forth by Canada s Department of Communications, the radio frequency energy emitted by this device complies with the Class B limits.

Introduction

Foreword
Thank you for choosing MAXSUN Graphics Card. The graphics card you have purchased is powered by Intel s high-performance 3D processor chip. This card offers exceptional video playback quality, top-tier 3D rendering, and enhanced display and 3D processing capabilities. It is equipped with a high-quality heatsink and powerful fan, which helps reduce heat generated during high-speed operations, ensuring that the card operates at a stable temperature, thereby improving system stability. This graphics card is perfect for multimedia applications, 3D gaming, and professional design, delivering high-performance 3D effects to mainstream PCs. It provides an ideal solution for desktop users and professionals, making it an all-around, high-quality 2D/3D display card.

Product Packaging

When you receive your MAXSUN graphics card, the following items should be included in the packaging

- 1x MAXSUN Graphics Card
- 1x Quick Installation Manual (for certain models)
- 1x Warranty Card
- Other accessories

Driver Software

Please obtain the latest drivers from the MAXSUN official website or the INTEL website. Refer to the website for the most up-to-date information.

Graphics Card System Requirements

- **Processor:** 10th Gen Intel® Core™ Processors, AMD Ryzen™ 500 Series Processors or above (compatible processors)
- **Motherboard:** PCI-E interface graphics card requires a motherboard with a PCI-Express x16 graphics
- slot and must support Resizable Bar
  Memory: DDR4/DDR5 memory (8GB or more)
  Display: 17-inch or larger monitor
- **Operating System:** Windows 10/11 64-bit (Ensure the operating system uses GPT (GUID) partitioning)
- **Additional Programs:** .NET 4.5, Adobe Reader, etc.

Graphics Card Installation

Warning:

This graphics card is composed of numerous delicate integrated circuits and other components, which can easily be damaged by static electricity. Before proceeding with the installation, please make the following preparations:

1. Tum off the computer power and disconnect the power cable.
2. Ensure that there is enough space in the case to install your graphics card.
3. When handling the graphics card, avoid touching the metal contact areas. It is recommended to wear anti-static gloves for protection.
   PCI-Express x16 Interface

Note: The image of the graphics card is for reference only.

Uninstalling the Existing Graphics Card:

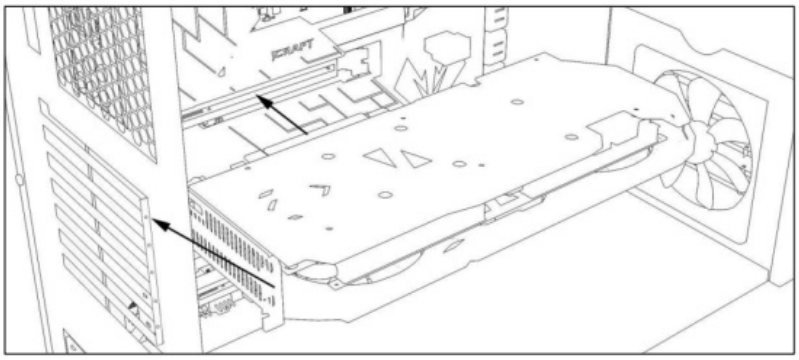
If you are installing this card in a new machine, you can skip this step.

If you are upgrading an older system and there is an existing dedicated graphic card installed, you must uninstall the current drivers before installing the new card.

1. Use DDU (Display Driver Uninstaller) to remove the current graphics drivers
2. Shut down the computer and disconnect the power. Open the computer case and remove the existing graphics card.

Installing the Graphics Card

1. Open the computer case.
2. Remove the graphics card from its packaging
3. Insert the graphics card into the PCI-Express x16 slot on the motherboard.
   Follow these steps:
   a) Locate the PCI-Express x16 slot that you will be using and remove the same number of expansion slot covers from the case as the metal bracket on the graphics card (if they have already been removed, you can skip this step).
   b) Align the graphics card with the PCI-Express x16 slot and carefully insert it Into place.
   c) Secure the graphics card s metal bracket to the case's expansion slot using screws.

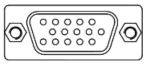
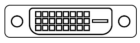
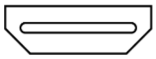
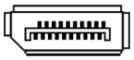
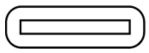


Graphics Card Installation Diagram

(Note: The diagram is for reference only. Please follow the actual installation steps based on your specific situation.)

4. Please ensure that the PCI-E connector of the graphics card is firmly and securely connected to the PCI-Express x16 slot on the motherboard.

5. If the graphics card has a 6-pin or 8-pin external power connector, you will need to connect the corresponding 6 + – p * in / 8 – pin power cable from the power supply to the external power connector on the graphics card. (If the graphics card has multiple external power connectors, make sure all of them are connected.)
6. If the graphics card has a 6-pin or 8-pin external power connector, you will need to connect the corresponding 6 + – p * in / 8 – pin power cable from the power supply to the external power connector on the graphics card. (If the graphics card has multiple external power connectors, make sure all of them are connected.)
7. Reconnect any other devices to the computer and restore the system to its original setup.
8. Turn on the power and start the computer:

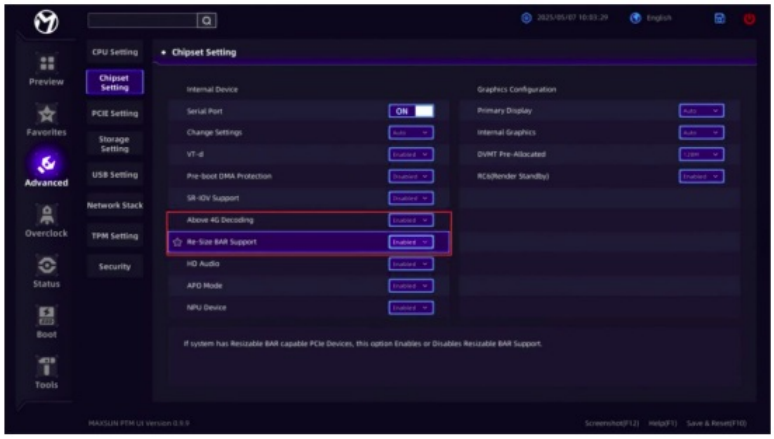
				
VGA	DVI	HDMI	DP	Type-C

Common Graphics Card Interfaces

BIOS Settings

Since Intel graphics cards require Resizable Bar to be enabled for optimal performance, it is strongly recommended to turn on Resizable Bar in the BIOS before using the card.

MAXSUN PTM UI BIOS Resizable Bar – Enabling Resizable Bar

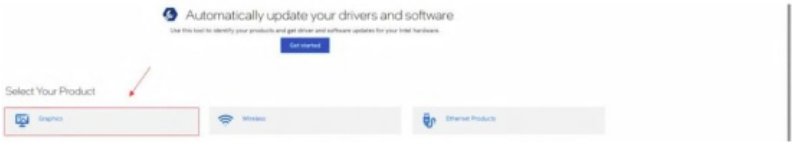


MAXSUN UEFI BIOS Resizable Bar – Enabling Resizable Bar

Driver Software Installation

Downloading Intel Graphics Driver from the Official Website

1. Visit the Intel official website: **https**://www.intel.com/content/www/us/en/download-center/home.html
2. Click “Graphics”.

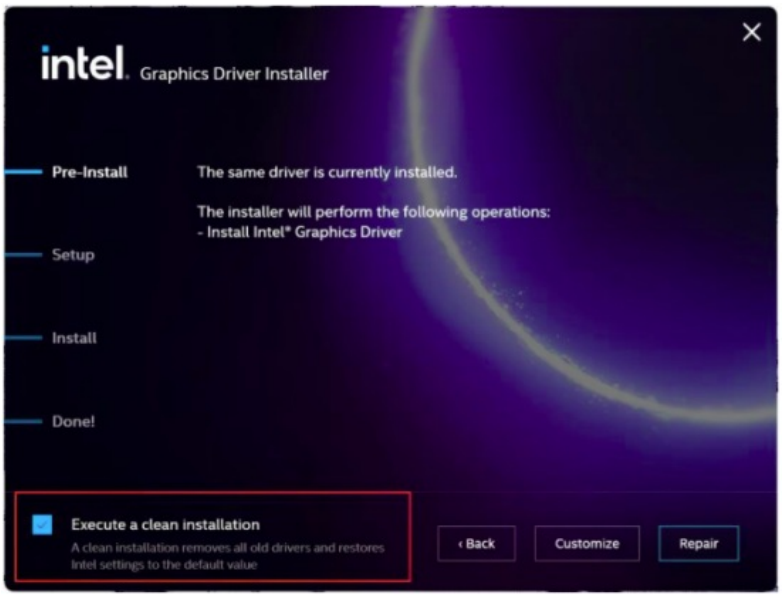


3. After navigating to the page, use the search bar to look up the model of the graphics card you purchased, or use the “All Products” list to select your graphics card series and model. After filtering, locate the driver that matches your operating system on the right side of the results, and click “Download” to begin downloading the driver

Intel Graphics Driver Installation

1. After the driver download is complete, open the driver installation program and click “Begin Installation”

2. When the Intel graphics driver installer interface appears, click the “**Begin Installation**” button. The installer will perform a hardware compatibility check. Once the check is complete, continue to proceed with the installation. It is recommended to check the option for “Clean Installation”



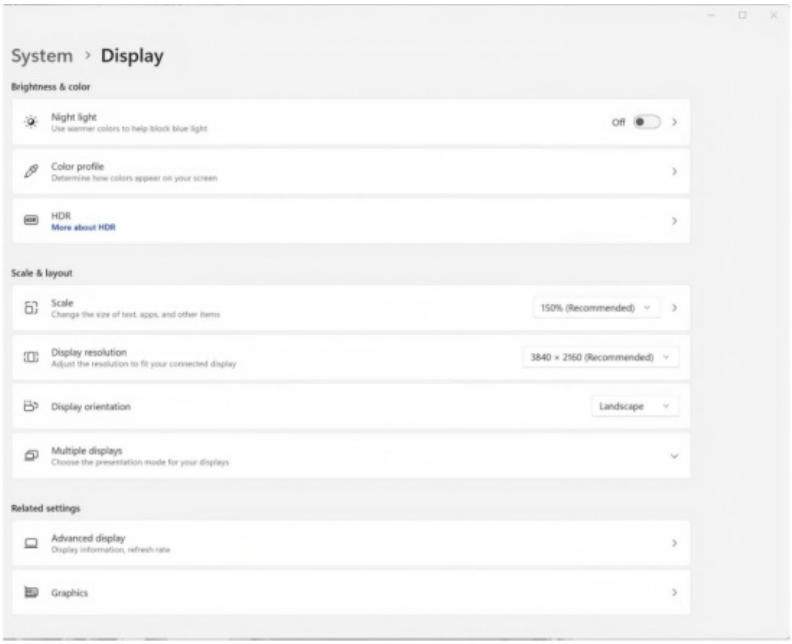
3. . After the driver installation is complete, a prompt will appear recommending a system restart.
   It is strongly advised to restart your system after the installation to ensure the driver functions properly and delivers the best experience

Display Settings

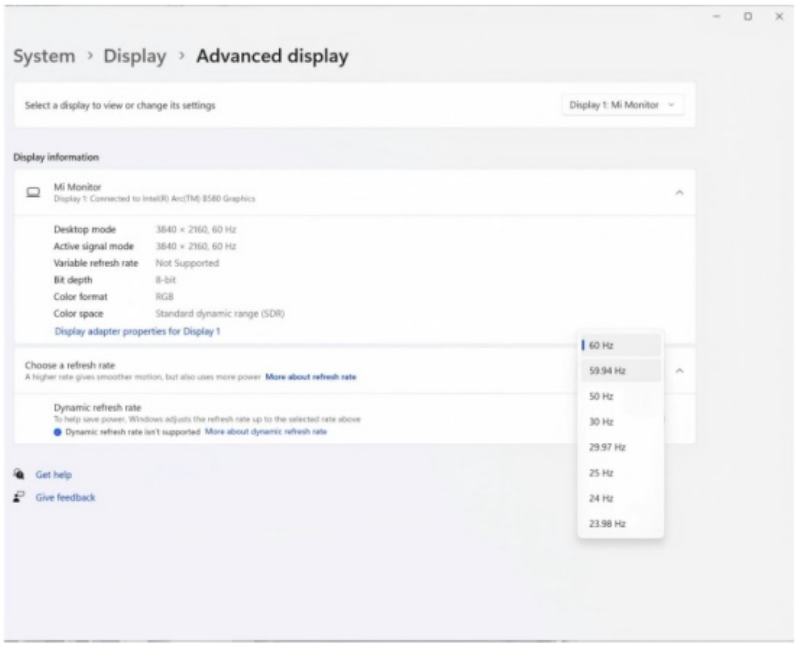
Note: The following graphics settings are demonstrated using the MAXSUN Intel Arc B580 on Windows 11. Methods for other systems are similar and will not be explained in detail here.

Adjusting System Display Settings

1. After the graphics driver is successfully installed, right-click on an empty area of the desktop and select “**Display settings**” to access the system display configuration panel. Here, you can view and adjust settings such as **screen resolution and display orientation**. For more detailed information about your monitor, scroll down and click “**Advanced display settings**“, where you can see specifications like the current display mode, refresh rate, and connected device details.

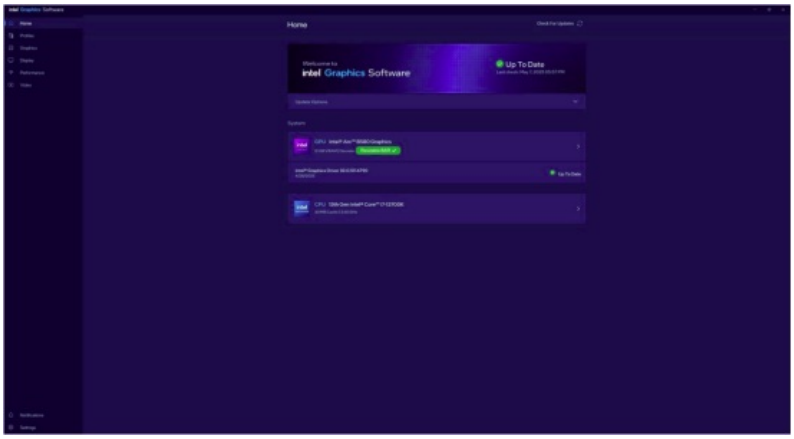


2. Click “**Advanced display settings**” to enter the advanced monitor settings (if multiple monitors are connected, select the one you want to adjust). In the display device properties interface, you can view and modify the **screen refresh rate** according to your needs.

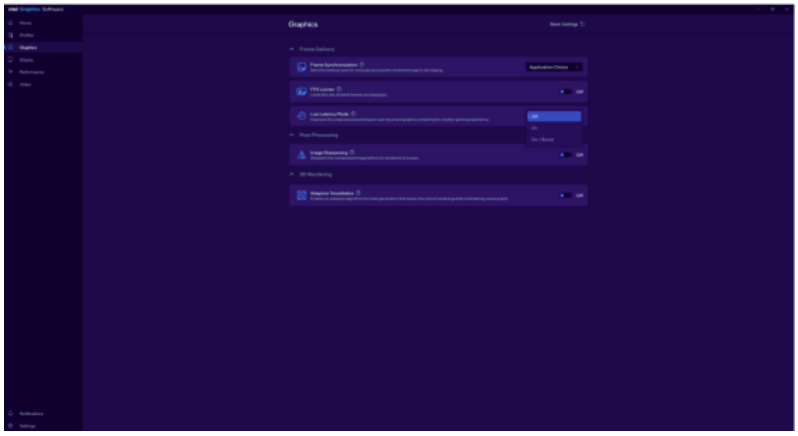


Intel Driver Interface Overview

1. After the Intel graphics driver is installed, click the “**Show hidden icons**” arrow in the taskbar and select “Intel Graphics Software” to open the Intel Graphics Control Panel. Here, you can view important system information such as the **driver version, CPU model,** GPU model, and whether **Resizable Bar** is enabled.



2. Click the “**Graphics**” tab on the left side of the Intel Control Panel. For games like CS2, it is recommended to enable **Low Latency Mode** and select “**Enabled + Boost**” to enhance gaming performance and responsiveness.



Documents / Resources

	MAXSUN Intel Arc Graphics Card [pdf] User Manual Intel Arc Graphics Card, Arc Graphics Card, Graphics Card

References

- User Manual

Arc Graphics Card, Graphics Card, Intel Arc Graphics Card,
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