

A close-up, angled view of an AMD Radeon graphics card. The card is dark grey or black with prominent red lighting accents. The word "RADEON" is printed in large, glowing red letters on the side of the card. The background is dark and out of focus, showing the card's cooling fans and various ports.

**AMD**  
**RADEON**  
RX 6000 SERIES

# Graphics Cards Quick Setup Guide

AMD Radeon™ RX 6900 XT

# GETTING STARTED

## Before You Begin...

Before you begin installing your new graphics card, visually inspect the card and any components that may have shipped with it, and contact your AMD reseller in the event of missing or damaged parts. Also make sure that you have the proper system requirements and have reviewed the preinstallation information outlined below.

## System Requirements

### AMD Radeon™ RX 6900 XT

**The following are recommended minimum requirements for installation of AMD Radeon™ RX 6900 XT graphics cards:**

- PC with at least one PCI-Express x16 graphics slot available on the motherboard.
- Minimum 850W system power supply
- Minimum of 8 GB of system memory, 16GB is recommended.
- Supported operating systems include Linux®, Windows® 7\*, and Windows® 10, 64-bit operating system is required.
- At least one display that is compatible with a DisplayPort, HDMI®, or USB Type-C connection.

## Recording the Serial and Part Numbers

Write down the serial number and part number before installing your product. The serial number and part number on the product are required for registration and technical support. They are located on a sticker on the back of your AMD Radeon™ RX 6000 Series graphics card.

\* Does not support all features including but not limited to Hardware Raytracing.

# HARDWARE INSTALLATION

## Overview

Once you have determined that your system meets the recommended minimum requirements, perform the following tasks to install your new graphics card. Detailed installation instructions are provided in the following sections.

If replacing an existing graphics card, uninstall the old graphics driver and software before installing the new AMD Radeon™ RX 6000 Series graphics card.

**NOTE:** If you are using a motherboard containing an on-board graphics solution and do not intend to use it as part of a multiple monitor configuration, disable it.

1. Turn off and disconnect your computer system from AC power.
2. If needed, remove any existing graphics card(s).
3. Install the new graphics card.
4. Reassemble and connect your computer system and display(s).
5. Start the computer system, install the AMD drivers and configuration software.
6. Restart the computer system.

**CAUTION:**

Wait approximately 20 seconds after unplugging the power cord before disconnecting a peripheral cable or removing a component from the motherboard to avoid possible damage to the motherboard.

## Step-by-Step: Installing your AMD Radeon™ Graphics Card

1. Turn off the computer, monitor(s) and other peripheral devices.
2. Unplug the computer's power cord, and then disconnect all cables from the back of the computer.
3. Remove the cover to the computer's case.
4. Unscrew or unfasten and remove any existing graphics card from the computer.
5. Locate the appropriate bus slot and, if necessary, remove the corresponding metal backplate cover(s). Make sure all internal cables are clear of the slot.
6. Align the graphics card with the slot and press it in firmly until the card is fully seated.
7. If your card requires supplementary power and must be connected directly to the power supply, locate the appropriate power connector cable(s) from the power supply and connect it (or them) to the graphics card's supplementary power connector(s).
8. Fasten the graphics card securely to the back panel.
9. Make sure no internal cables are interfering with components inside the computer (for example, a cooling fan) and then replace the computer cover.
10. Reconnect any cables you have disconnected during installation, and then plug in the computer's power cord. Turn on the monitor, and then the computer. If you have properly installed the graphics card, the computer should start normally. Proceed to install the software and drivers for your AMD Radeon™ RX 6000 Series graphics card.



# SOFTWARE INSTALLATION

## AMD Radeon™ RX 6000 Series Drivers and Software

Drivers are small but important programs that enable an operating system to communicate with a piece of hardware, such as a graphics card. When you install a new graphics card, you must also install the appropriate AMD Radeon™ RX 6000 Series graphics driver and configuration software for your card to take full advantage of the capabilities of your card. You should also reinstall Radeon Software drivers each time you reinstall or upgrade your operating system. AMD Radeon™ software features and the latest drivers are available at [AMD.com/radeonsoftware](https://www.amd.com/radeonsoftware) and [AMD.com/support](https://www.amd.com/support).

**NOTE:** When reinstalling drivers, always uninstall any previous drivers that are on your system, even if they are for the same graphics card. Always start 'fresh.' Included with your driver installation is Radeon™ Software which is an application that lets you control and manage your graphics product. Use it to configure display, video, and other graphics features such as AMD FreeSync™, Radeon™ Boost, and Radeon™ Anti-Lag. For more legal information on AMD Radeon software technologies, visit [AMD.com/gamingdetails](https://www.amd.com/gamingdetails).

# DISPLAY CONFIGURATIONS

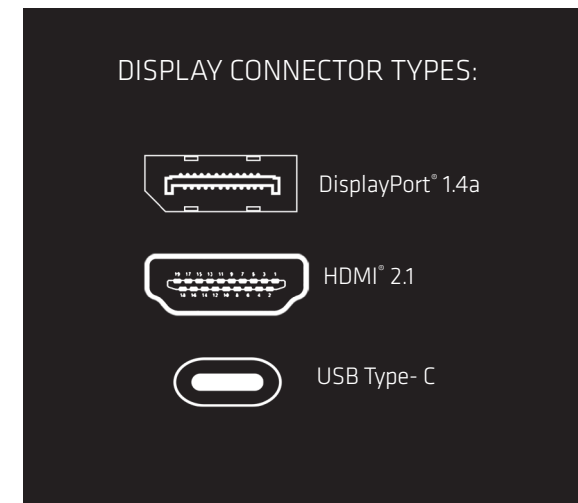
## Connecting Displays

The AMD Radeon™ RX 6000 Series graphics cards provide support for up to 8K Ultra HD resolutions via its DisplayPort®, HDMI®, and USB Type-C® connections.

**NOTE:** Only up to three (3) passive adapter cables may be used. Active adapter cables are required for additional displays. The following table lists options for attaching displays to your graphics card.

For best graphics performance and quality, always use native (or active) connections when possible.

Display Configuration	Connection Options
CRT (VGA) display	DisplayPort connection with DisplayPort-to-VGA adapter
DFP (digital flat-panel) display	DisplayPort connection with DisplayPort cable DisplayPort connection with DisplayPort-to-DVI adapter
HDMI®	DisplayPort connection with DisplayPort-to-HDMI adapter



# HELPFUL INFORMATION

## AMD Customer Care

AMD Customer Care for Graphics Products will work to resolve your issue and help you to get your product up and running. If your issue is not resolved, our technicians will determine whether the difficulty you are experiencing is the result of the product, whether your product contains a defect, and whether your product is under warranty.

**For additional product support, please visit [amd.com/support](https://amd.com/support) for technical troubleshooting guides and AMD Customer Care contact information.**

- *AMD is not responsible for any expense incurred accessing Customer Care. It is expected that customers will review the expense associated with the available support options and will choose the method that best meets their needs and budget.*
- *AMD Customer Care reserves the right to limit support options for products that are not registered or are reaching end-of-life.*

## Disclaimer

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### **Important Safety Instructions:**

Note: This product is for use only with compatible UL-listed personal computers that have installation instructions detailing user installation of this class of product. Read all instructions before beginning installation. All safety and installation instructions should be read before the product is installed or operated. Retain all instructions. Safety, installation, and operating instructions should be retained for future reference. Heed all warnings. All warnings regarding the product and its operating instructions should be obeyed. Use appropriate grounding.

### **Caution:**

[Where applicable] For continued protection against the risk of electric shock and fire, install this accessory only in products equipped with a three-wire grounding plug, a plug having a third (grounding) pin. This is a safety feature. Do not remove the grounding pin of a three-pin plug.

Attach product securely. All product-securing screws or fasteners should be completely tightened in order to provide continuous bonding between the product and the PC chassis, as appropriate.

**AMD**  
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