

Hooking up your computer to your projector and/or doc camera

These instructions will assist you in performing a proper hookup of your computer to your projector and/or document camera. The instructions are based on the type of computer you have, as well as the types of peripherals you are trying to connect.

How can I figure out what kind of computer I have?

The model of your computer is identified on the front of the CPU (the boxy part). There will either be a label at the top of the computer identifying it, or the identifier will be around the power button of the CPU.

1. What Kind of Computer do you have?	2. Do you have a projector	3. Do you have a document camera?	4. Do you have a VGA splitter ("Y" Cable)?	Refer to page:
GX280, GX270 or GX260	Yes	No	No	2
GX280, GX270 or GX260	Yes	No	Yes	3
GX280, GX270 or GX260	Yes	Yes	No	4
GX280, GX270 or GX260	Yes	Yes	Yes	5
GX520 or GX620	Yes	No	No	2
GX520 or GX620	Yes	No	Yes	3
740 or 780	Yes	No	(included)	6
740 or 780	Yes	Yes	(included)	7



Mounted projectors hook up at the wall!

If the projector in your assigned room has been hung (that is, if it is hanging from the ceiling), then the hookups for the projector can be found on the wall. There are wires pulled from the projector to a wall plate – when hooking up to the projector, you should hook up to this wall plate instead of attempting to hook directly into the hanging projector.

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Connecting a projector to a GX260, GX270, GX280, GX520 or GX620 without a VGA splitter (Y-cable)

OVERVIEW:

Your computer will plug in to the projector. Your projector will plug in to the monitor.



Your computer has one standard monitor out port (VGA) on the back. The port looks like this:

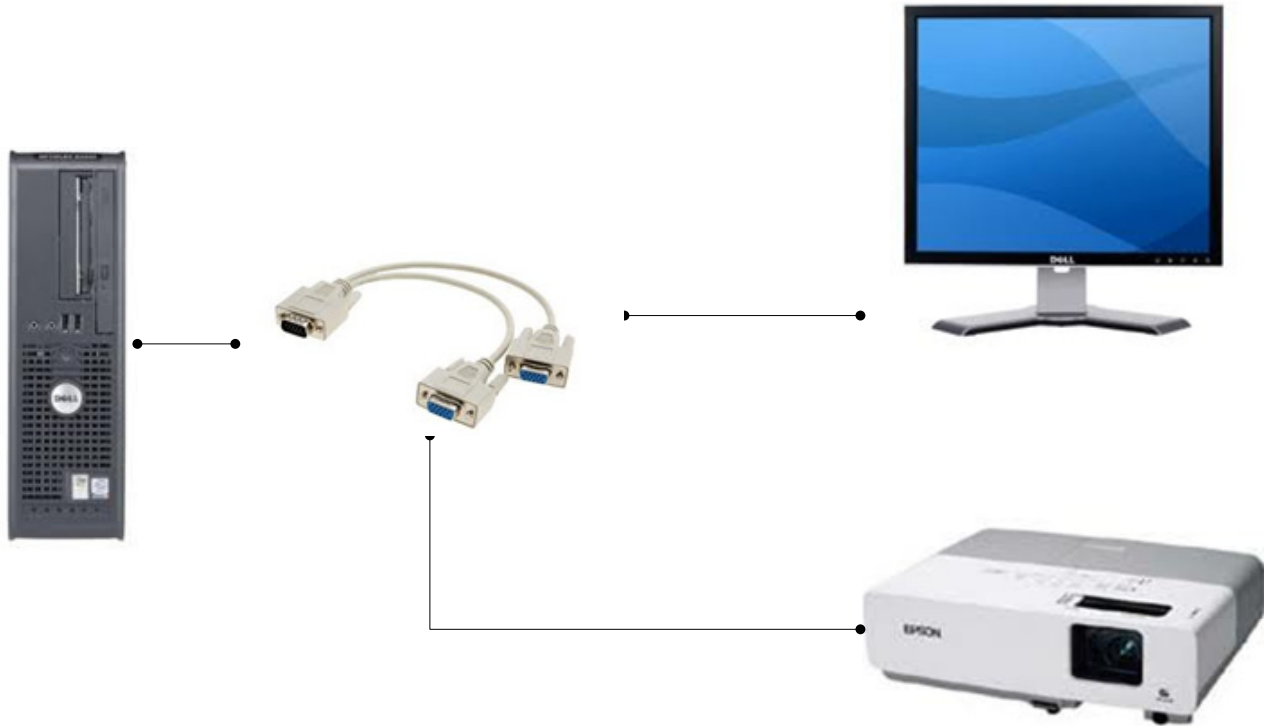


1. A monitor cable should run from this VGA port to the “COMPUTER 1” port on the back of your projector. If your projector has been hung in your classroom, you will connect this port to the “PROJECTOR” connection on the classroom wall plate instead of directly in to the projector.
2. Using a second monitor cable, plug the VGA port in the back of the monitor into the “MONITOR OUT” port of the projector. If your projector has been hung in your classroom, you will connect this monitor to the “MONITOR” connection on the classroom wall plate.
3. Your system should now function properly. Items on your monitor will be visible on your projector.

Connecting a projector to a GX260, GX270, GX280, GX520 or GX620 using a VGA splitter (Y-cable)

OVERVIEW:

Your computer will plug in to the Y-Cable. One side of the Y-Cable will run to your monitor, the other side will run to the projector.



Your computer has one standard monitor out port (VGA) on the back. The port looks like this:



1. Plug your Y-Cable into this port.
2. A monitor cable should run from one side of the Y-Cable to the "COMPUTER 1" port on the back of your projector. If your projector has been hung in your classroom, you will connect this port to the "PROJECTOR" connection on the classroom wall plate instead of directly into the projector.
3. Using a second monitor cable, plug the VGA port in the back of the monitor into the other side of the Y-Cable.
4. Your system should now function properly – the image on your computer will also be projected.

Connecting a projector AND a document camera to a GX260, GX270, GX280, GX520 or GX620 without a VGA Splitter (Y-cable)

OVERVIEW:

Your computer will plug in to the document camera. The document camera will plug in to the projector. The projector will run to the projector.



Your computer has one standard monitor out port (VGA) on the back. The port looks like this:



1. Plug your computer's VGA port into the "VGA IN" plug on the document camera.
2. Using another monitor cable, plug the document camera's "VGA OUT" into the "COMPUTER 1" port on the back of your projector. If your projector has been hung in your classroom, you will connect this port to the "PROJECTOR" connection on the classroom wall plate instead of directly into the projector.
3. Using another monitor cable, plug the VGA port in the back of the monitor into the "MONITOR OUT" port of the projector. If your projector has been hung in your classroom, you will connect this monitor to the "MONITOR" connection on the classroom wall plate.
4. Your system should now work. Don't forget that you will have to use the output buttons on the document camera to switch between what is displayed on the projector.

Connecting a projector AND a document camera to a GX260, GX270, GX280, GX520 or GX620 with a VGA Splitter (Y-cable)

OVERVIEW:

Your computer will plug in to the Y-Cable. One side of the Y-Cable will plug in to the document camera, which will then plug in to the projector. The other side of the Y-Cable will plug in to the monitor.



Your computer has one standard monitor out port (VGA) on the back. The port looks like this:

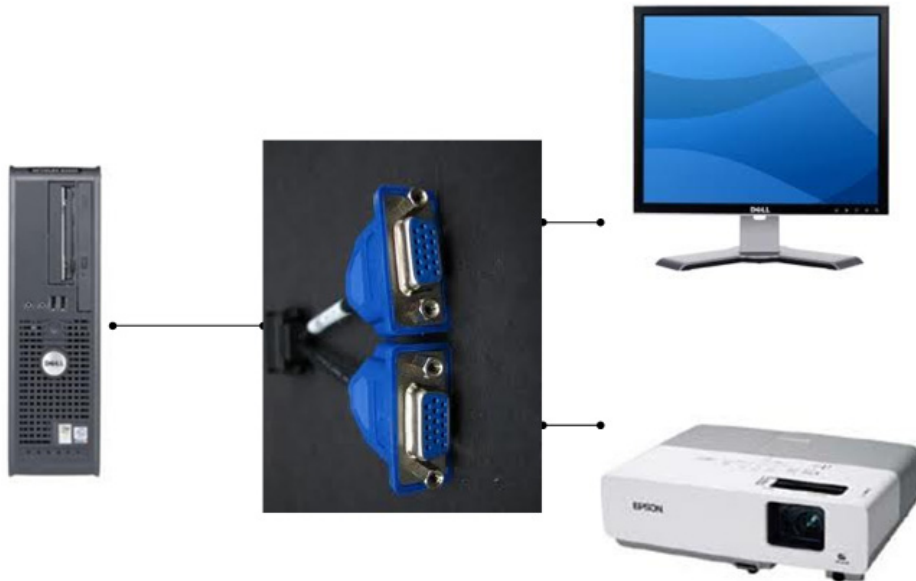


1. Plug the Y-Cable into your computer's VGA port
2. Plug one end of the Y-Cable into the "VGA IN" port on the document camera.
3. Using another monitor cable, plug the document camera's "VGA OUT" into the "COMPUTER 1" port on the back of your projector. If your projector has been hung in your classroom, you will connect this port to the "PROJECTOR" connection on the classroom wall plate instead of directly into the projector.
4. Using another monitor cable, plug the unused section of the Y-Cable into the back of the monitor.
5. Your system should now work. Don't forget that you will have to use the output buttons on the document camera to switch between what is displayed on the projector. Your monitor will always display whatever is on your computer (never what is on your document camera).

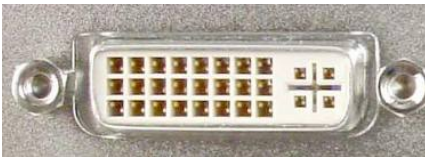
Connecting a projector to an Optiplex 740 or Optiplex 780

OVERVIEW:

Your computer will plug in to the Y-Cable. One side of the Y-Cable will plug in to the projector. The other side of the Y-Cable will plug in to the monitor.



Your computer has one special monitor out port on the back. Your computer came with a monitor Y-Cable with two blue ends.



a - Monitor Port on computer



b - Y-Cable to split monitor signal

1. Plug the Y-Cable into your computer's monitor port
2. Using a monitor cable, plug the #1 side of the Y-Cable into the back of the monitor.
3. Using another monitor cable, plug the #2 side of the Y-Cable into the "COMPUTER 1" port on the back of your projector. If your projector has been hung in your classroom, you will connect this port to the "PROJECTOR" connection on the classroom wall plate instead of directly into the projector.
4. Your system should now work. Please refer to the "How to clone your screen" page if you cannot get an image to appear on the projector while it's turned on.

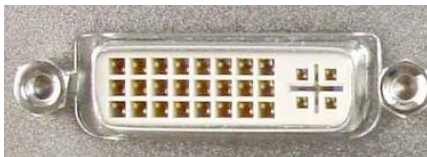
Connecting a projector AND a document camera to an Optiplex 740 or Optiplex 780

OVERVIEW:

Your computer will plug in to the Y-Cable. One side of the Y-Cable will plug in to the document camera, which will then plug in to the projector. The other side of the Y-Cable will plug in to the monitor.



Your computer has one special monitor out port on the back. Your computer came with a monitor Y-Cable with two blue ends.



c - Monitor Port on computer



d - Y-Cable to split monitor signal

1. Plug the special connector of the Y-Cable into your computer's monitor port.
2. Using a monitor cable, plug the #1 side of the Y-Cable into the back of the monitor.
3. Using another monitor cable, plug the #2 side of the Y-Cable into the into the "VGA IN" port on the document camera.
4. Using another monitor cable, plug the document camera's "VGA OUT" into the "COMPUTER 1" port on the back of your projector. If your projector has been hung in your classroom, you will connect this port to the "PROJECTOR" connection on the classroom wall plate instead of directly into the projector.
5. Your system should now work. Please refer to the "How to clone your screen" page if you cannot get an image to appear on the projector while it's turned on and the document camera is configured to pass through the computer image.

How to clone your screen image

These instructions are designed for Optiplex 740 or Optiplex 780 only. Sometimes, the monitor output on the Y-Cable does not get duplicated to the projector output on the Y-Cable. If this happens, follow these instructions to clone your computer monitor image to your projector screen.

For Optiplex 780 (or any Windows 7 computer)

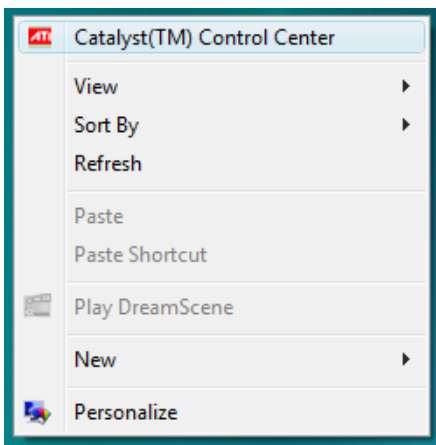
1. Hit the **Windows Key + P**
2. Arrow over to the clone option
3. Press Enter

For Optiplex 740 (or Vista computers)

You have a video card that is either nVidia or ATI. We need to determine which.

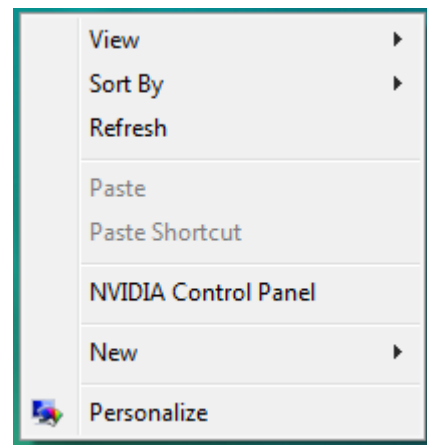
Right click on your desktop – a flyout menu will appear that will match one of the following:

If your desktop right-click flyout looks like this:



You have an ATI graphics card – please refer to Page 9

If your desktop right-click flyout looks like this:

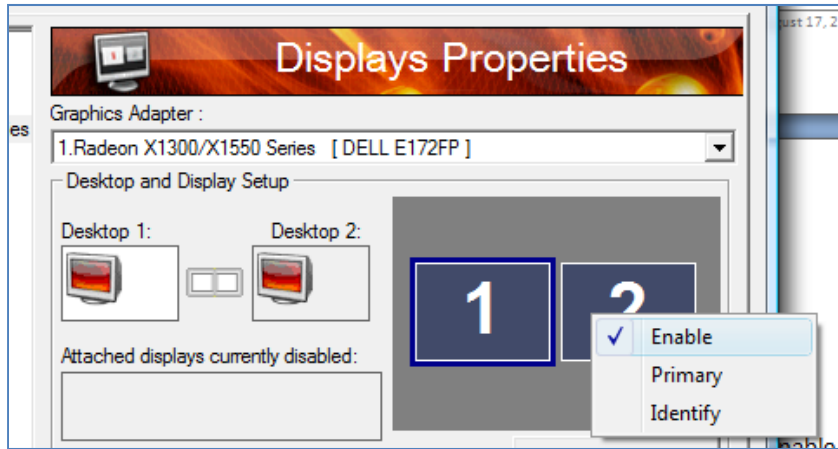


You have a nVidia graphics card – please refer to Page 10

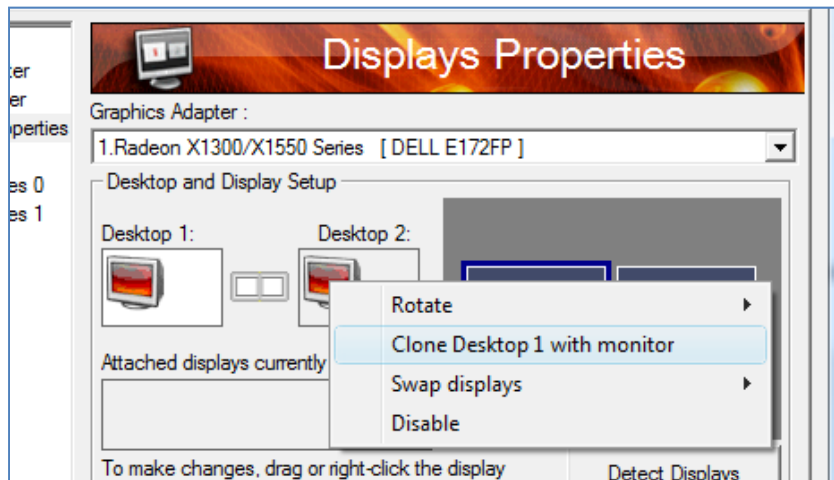
If your right-click flyout does not match either, please contact the help desk at x7393.

How to clone your screen image on a computer with an ATI video card

1. Right click your desktop
2. Select the “Catalyst(TM) Control Center” option
3. On the left side of the control center, click on the “Display Manager” option
4. Right click on the “#2” monitor and make sure the “Enabled” option has a check (if it doesn’t, click it to enable it)



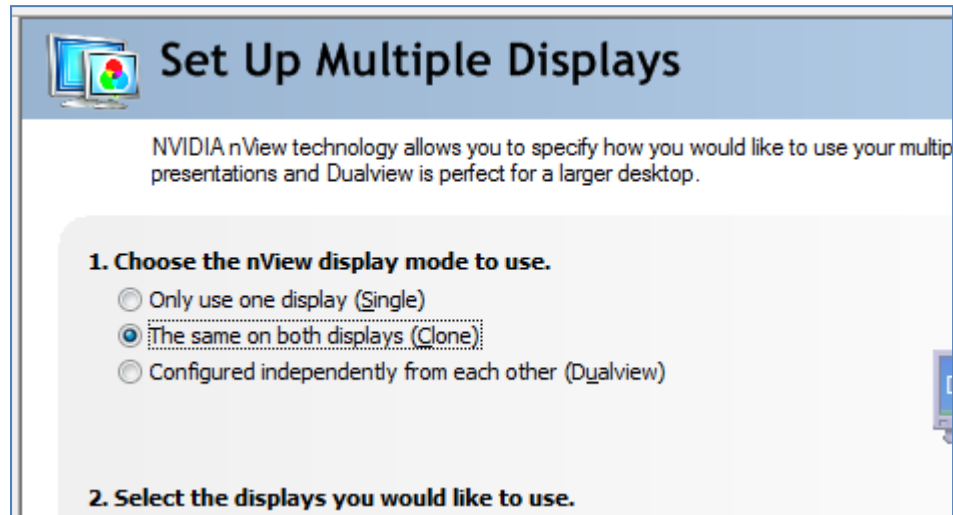
5. Next, right click on the “Desktop 2” icon and click the “Clone Desktop 1 with monitor” option



6. Your screens should now be cloned. Please call the help desk at x7393 if this does not resolve your issue

How to clone your screen image on a computer with a nVidia video card

1. Right click your desktop
2. Select the “NVIDIA Control Panel” option
3. If you are given an option between Standard and Advanced settings, choose Standard
4. On the left hand side in the screen, click the “Set up multiple displays” option under “Display”
5. For the “1. Choose the nView display mode to use”, select the “**The same on both monitors (Clone)**” option



6. Click the “Apply” button at the bottom of the control panel
7. Your screens should now be cloned. Please call the help desk at x7393 if this does not resolve your issue