

How to use 2 screens on a computer

If your computer and laptop have additional video ports, you can use two monitors on your computer, even using multiple monitors on the same computer. This is a connection guide, using 2, more screens on your computer, invite you to follow up.

If your computer and laptop have additional video ports like HDMI, DVI, you can use two monitors on your computer, even using multiple monitors on the same computer. This is a connection guide, using 2 screens on your computer, invite you to follow up.

You can apply the same if you want to use more screens on your computer or laptop. With the experience shared in the following article, you will expand your workspace with multiple screens that make the job more comfortable.

The first paragraph will introduce the connection port, the necessary tools when using 2 monitors on the computer, if you have enough and plugged the monitor cable into the computer, please go to the **Setup step to use 2 screen on 1 computer** .

How to use 2 screens on a computer

1. Use 2 screens on a computer
2. Project images from one computer to multiple monitors at the same time
3. Pair multiple screens into a wider screen
4. Operating system and support tools
5. Two display modes
6. Set up to use 2 monitors on 1 computer
7. Tweak your mouse to multiple monitors
8. Some errors of using multiple monitors

Use 2 screens on a computer

The most familiar in people's thinking is that each computer will need only one screen to view the information. However, with the price of hardware, in particular, the more monitors are reduced to acceptable levels, as well as increasing demand for multi-tasking computers, you will find that you need to mount more than one screen. image to a computer in the following cases. First, you need to project images from one computer to multiple monitors at the same time, and second, when you want to expand your screen to work at a lower cost than buying and using a large screen. .

Project images from one computer to multiple monitors at the same time

If you need to display the same information on all attached screens, emitted from a computer, you only need one video card. What you need to use is screen splitters (VGA splitters). The simplest divider is just a VGA Splitter cable that divides a VGA port into two ports, connecting to two monitors (VND 200,000).



More complicated is the box that splits VGA Splitter 1 out 2 (180,000 VND), VGA Splitter 1 out 4 (200,000 VND), or VGA Splitter 1 out 8 (VND 250,000). If your video card has a signal to DVI port, you must use DVI Splitter 1 to 2 (450 USD), or DVI Splitter 1 to 4 (520 USD).



Pair multiple screens into a wider screen

If you want to merge multiple monitors into one big screen, according to the second use, the most basic is that you need to use the video card number corresponding to the number of screens you add. Note that some video cards have up to two communication ports that can run in parallel. So when attaching multiple monitors to a personal computer, you should use this type of card to minimize the number of occupied slots on your computer.



Most laptops come with an extended video port for you to add a monitor without having to add a video card. Depending on the model, it is VGA, DVI or mini Display port. In fact, you don't have a slot to plug a second video card into your laptop. However, if necessary, you can add an enhanced video card with a USB port with a KVJ 1920 VGA device (\$ 137).



Operating system and support tools

Most current operating systems, such as Windows, Mac OS X and Linux, support personal computer users to use multiple video cards and multiple monitors at the same time to create a large screen. Some types of video cards also provide additional software to enhance the use of multiple monitors in two different display modes. Some popular multi-screen management software is:

1. **DisplayFusion** (<http://www.displayfusion.com>), running on Windows operating system, Basic: free version, Pro version costs 25 USD.
2. **Synergy** (<http://synergy2.sourceforge.net>), works on both Windows / Mac / Linux, for free.
3. **UltraMon** (<http://www.realtimesoft.com/ultramon>), running on Windows, costs 39.95 USD.
4. **MultiMon** (<http://www.mediachance.com/free/multimon.htm>), Basic: free version, Pro version costs 28 USD.

Two display modes

When using the device to share VGA Splitter as the first way, you can only use it in the only way that the screens are identical. With this second way of connecting hardware, which means that each monitor attaches to a VGA or DVI port, you will have the option to choose the type of display that connects the screens together or the same display. (Cloning).

And of course, when it comes to additional investment in scalable video cards, we will be interested in connecting the screens together. You will have to place the screens side by side, and your Desktop will show spread out on those screens. When the mouse comes out of the right side of the screen, it will immediately appear on the left side of the screen on the right.

So it looks like you have a very wide screen for multitasking, a text editor window, while the other window uses web surfing, reading email or playing games. Graphic experts often look at a picture in a window and adjust it on the other side window. With some games like Flight Simulator, you can also expand the game window to multiple screens, similar to you sitting in the cockpit of a real airplane.

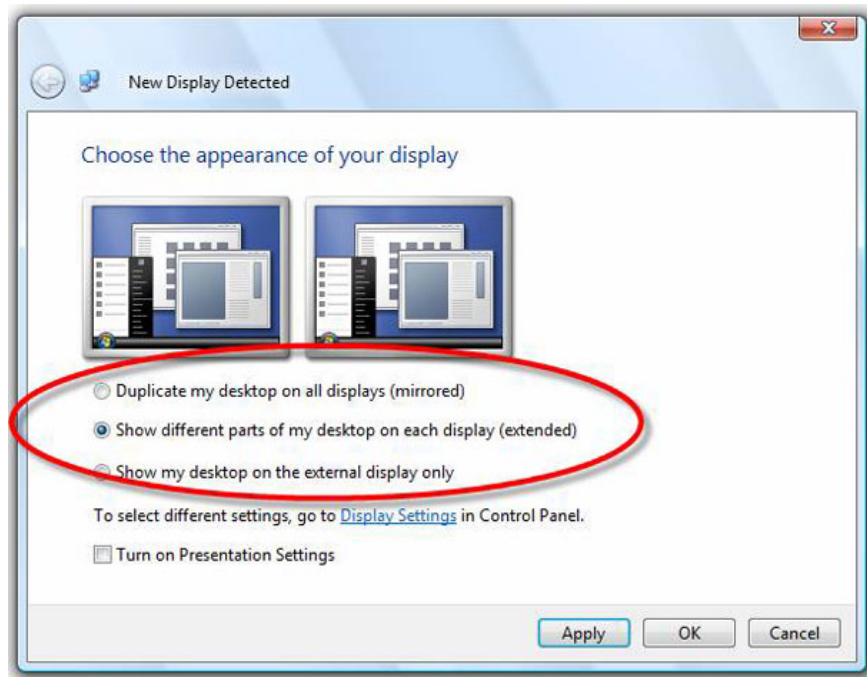


And when needed, you can also reconfigure to display the same on every screen, even if they are mounted on different VGA or DVI ports. This method is often used when you give presentations with Power Point. It helps the presenter to look at a screen, and the listener looks at another screen, depending on his position.

Set up to use 2 monitors on 1 computer

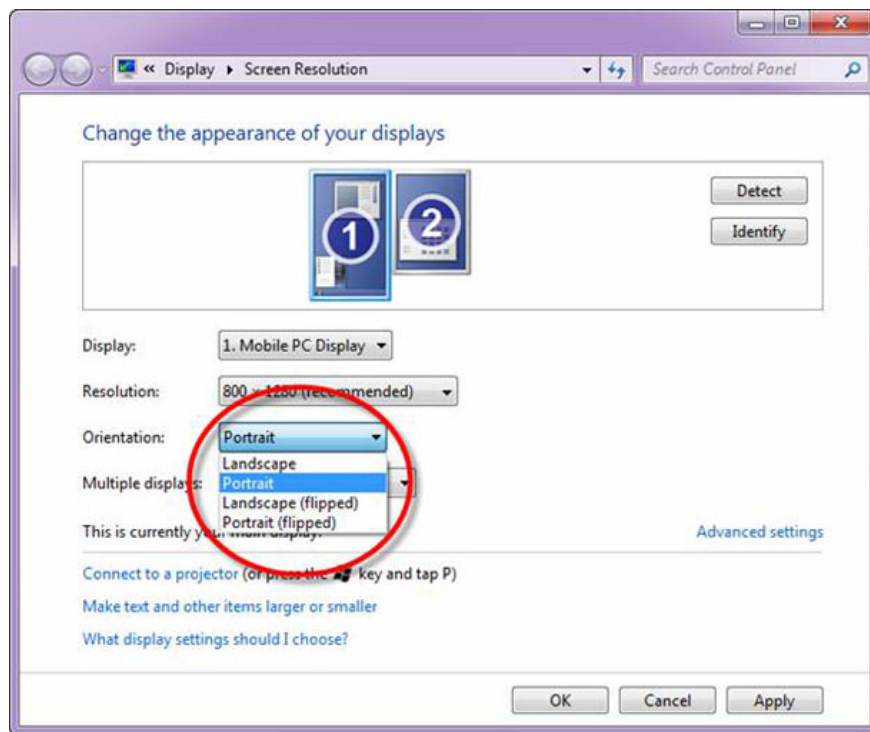
Setup using multiple monitors on Windows 7:

Configuring to select one of these two display modes is quite simple. After attaching the monitor to your computer, restart the operating system. The new screen will be recognized and you can choose one of three ways to display on the secondary screen as follows: **Duplicate my desktop** (displaying the same content on both the main screen and the secondary screen), **Show different parts of my desktop on each display** (the main screen and the secondary screen will merge into a wide screen), and finally choose **Show my desktop on the external display only** (show the computer contents on the secondary screen only) .



When you need to re-select the new display mode, right-click the Desktop screen, and then select **Screen Resolution** . To detect the new screen attached, click the **Detect** button. The new screen name when detected will be included in the **Display** section. You can choose to configure the resolution for each screen you have.

With **Orientation** , you can choose to have your screens horizontally (Landscape), or vertically (Portrait). To change the display mode between two screens, you use the Multiple displays section. There are four sections for you to choose from, which are two screen multiplexing modes (Extend these displays), displaying two identical screens (Duplicate these displays), or only one screen display (Show desktop on cups on 1, Show desktop on ly on 2).



For laptops, there is another way to quickly switch between the display modes of the two screens, so choose the **Connect to a projector option** directly below the selected items. A window will pop up so you can quickly choose between four modes: **Computer only** , **Duplicate** , **Extend** and **Projector only** . You will see the **Projector** in this menu as the second screen attached to the laptop's VGA port. If you are not in the Screen Resolution window, you can use the **Windows + P** shortcut combination to turn this menu on.

Set up to use multiple monitors on Windows 8 / 8.1 and Windows 10:

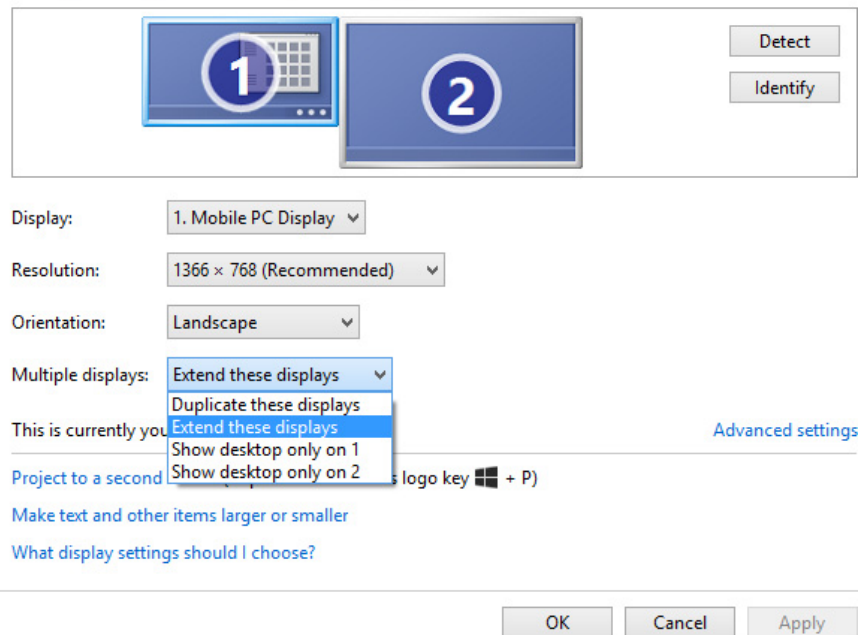
After connecting the screens to your computer, right-click on desktop> **Screen Resolution** to set up the main screen, the resolution for each screen.

1. In **Display** : You select the screen you want to set, to select the screen that is the main screen, tick **Make this my main display** .

Picture 8 of How to use 2 screens on a computer

1. **Resolution** : Select the resolution for the screen
2. **Orientation** : Select the display type of the screen: horizontal, vertical, horizontal but overturned, vertical but reversed
3. In **Multiple displays** : Select the type to use multiple monitors:
 1. *Duplicate these displays*: Repeat the image on the main screen for all monitors
 2. *Extend these displays*: Expand the screens, one after another
 3. *Show desktop only on 1*: Only display screen number 1, will have on 2, on 3, depending on the number of screens you connect to the device. In this article we only connect 2 monitors.

Change the appearance of your displays



To project from the small screen to the big screen, select the Duplicate these displays option, if you want to expand the workspace, select the option Extend these displays. To display applications on the extended screen, you simply drag the part you want to display to that screen. In the screen expansion mode, the mouse will automatically switch to the next screen when running out of the boundary of the current screen.

There is a faster way to set up multiple screens is to press the **Windows + P** shortcut, here you will have some options like the picture. Choose the one you want.

Project

Project to a connected screen



PC screen only

Chỉ hiển thị màn hình máy tính



Duplicate

Chiếu hình ảnh từ desktop này lên desktop kia



Extend

Mở rộng desktop, hiển thị hình ảnh nối tiếp nhau

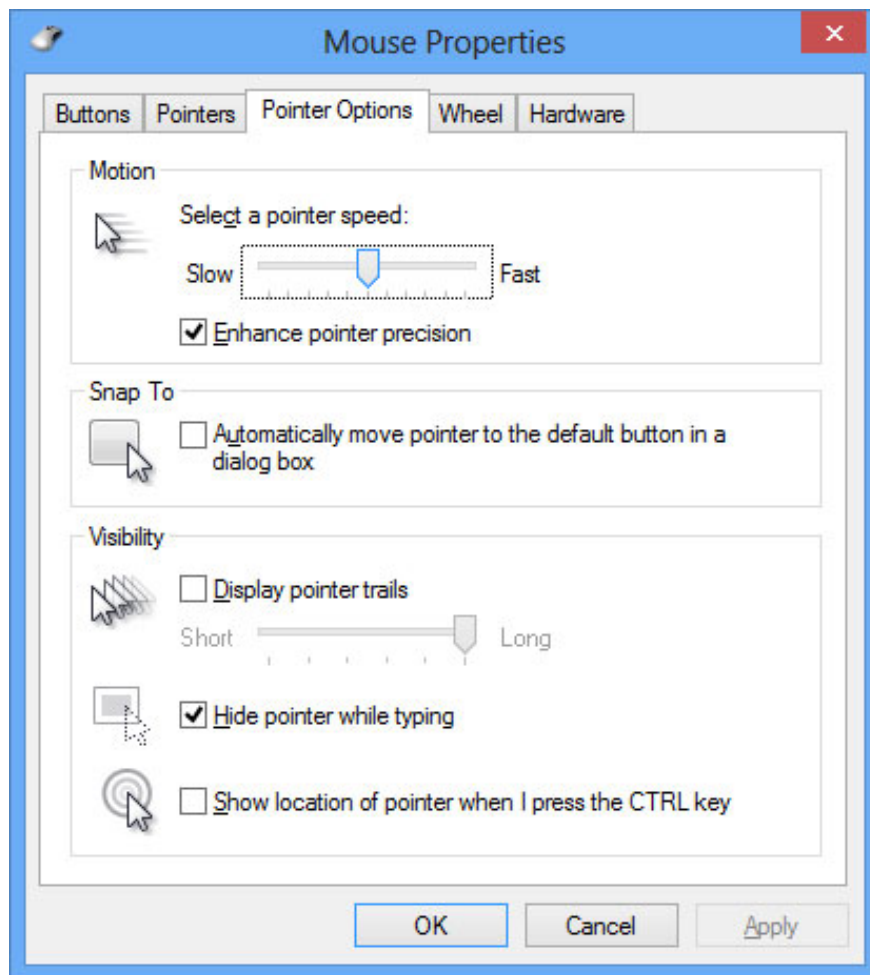


Second screen only

Chỉ hiển thị màn hình kết nối với máy

Tweak your mouse to multiple monitors

Finally, tweaking your mouse will also make your multi-screen experience better. Speeding up your mouse significantly increases the speed of the mouse pointer when you hover at high speed. This is especially useful for quickly moving between screens.



Some other mouse-related tweaks are changing the size and color of the mouse pointer to make it easier to distinguish. You should also click on the 'Show location of pointer when I press CTRL key' setting (*indicate the location of the cursor when pressing the Ctrl key*) in the **Mouse Properties> Pointer Options** section.

Some errors of using multiple monitors

Your intention is to merge two or three screens into a wide screen. However, the virtual widescreen you create will be blocked into individual parts by the gaps created by the edges of the physical screens. The images stretching through the two screens will be interrupted in the middle. So when choosing to buy, you should choose the type of screen with two sides as thin as possible. Most users of multiple monitors will place more noticed programs on the main screen, while less-used programs will be on the remaining screens.

But some programs fail when you run it on secondary screens, especially DVD movie applications. The reason is that DVD video playback applications often use overlay, which is programmed to work only on the main screen. When you bring the screen showing this DVD movie to the secondary screen, it will not show anything. Because of this error, most old games on a single computer can only run on the main screen, and fail when running on the second monitor.

See more:

1. Instructions for connecting the projector to a computer, laptop
2. How to connect laptop to TV?

3. How to fix some errors connecting TV to laptop via HDMI port

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