

Adjusting the screen resolution

Due to the nature of liquid crystal display (LCD) technology, the picture resolution is always fixed. For the best display performance, please set the display to its maximum resolution that is the same with the monitor aspect ratio. This is called “Native Resolution” or maximal resolution – that is, the clearest picture. Please refer to the table below for the native resolution of your LCD. Lower resolutions are displayed on a full screen through an interpolation circuit. Image blurring across pixel boundaries can occur with the interpolated resolution depending upon the image type and its initial resolution.

Panel type	Display size	Aspect ratio	Native Resolution
TN panel	17" / 19"	5:4	1280 × 1024
	15.6" / 18.5"	16:9	1366 × 768
	19"	16:10	1440 × 900
	20"	16:9	1600 × 900
	22"	16:10	1680 × 1050
	21.5" / 24" / 27"	16:9	1920 × 1080
VA panel	21.5" / 24" / 27"	16:9	1920 × 1080
	32"	16:9	2560 × 1440
IPS panel	23" / 23.8"	16:9	1920 × 1080
	23.6"	16:9	3840 × 2160
	23.8"	16:9	2560 × 1440
	24"	16:10	1920 × 1200
	27"	16:9	2560 × 1440
	27" / 32"	16:9	3840 × 2160



To find out the monitor aspect ratio of the purchased model, please check the Specification document on the provided CD.



- To take full advantage of LCD technology you should select the native resolution setting of your PC screen as described below. Be aware that not all PC video cards provide this resolution value. If yours doesn't, check with the video card manufacturer's website for an updated driver for your particular model PC video card which supports this resolution. Software video drivers are often updated and available for new hardware video resolutions. If necessary, you may need to replace and update the PC video card hardware to be able to support the native resolution of the monitor.
- Depending on the operating system on your PC, different procedures should be followed to adjust the screen resolution. Refer to the help document of your operating system for details.

1. Open **Display Properties** and select the **Settings** tab.

You can open **Display Properties** by right-clicking on the Windows desktop and selecting **Properties** from the pop-up menu.

2. Use the slider in the 'Screen area' section to adjust the screen resolution.

Select the recommended resolution (maximum resolution) then click **Apply**.



If you select some other resolution, be aware that this other resolution is interpolated and may not accurately display the screen image as well as it could do at the native resolution setting.

3. Click **OK** then **Yes**.

4. Close the **Display Properties** window.

If your input source does not provide an image which is the same with the monitor aspect ratio, the displayed image may appear stretched or distorted. To maintain the original aspect ratio, image scaling options can be found in the “Display Mode” adjustment. See the user manual for more information.

Adjusting the screen refresh rate

You don't have to choose the highest possible refresh rate on an LCD display, because it is not technically possible for an LCD display to flicker. The best results are obtained by using the factory modes already set in your computer. Check next chapter to see the factory modes: [Preset display modes on page 3](#).



Depending on the operating system on your PC, different procedures should be followed to adjust the screen resolution. Refer to the help document of your operating system for details.

1. Double click the **Display** icon in **Control Panel**.
2. From the **Display Properties** window, select the **Settings** tab and click the **Advanced** button.
3. Select the **Adapter** tab, and select an appropriate refresh rate to match one of the applicable factory modes as listed in the specification table.
4. Click **Change**, **OK**, then **Yes**.
5. Close the **Display Properties** window.

Preset display modes

TN panel

Incoming display mode (Input timing)							
Panel type		TN panel					
Display size		17" / 19"	15.6" / 18.5"	19"	20"	22"	21.5" / 24" / 27"
Input signal	Resolution	1280 x 1024	1366 x 768	1440 x 900	1600 x 900	1680 x 1050	1920 x 1080
	Aspect ratio	5:4	16:9	16:10	16:9	16:10	16:9
D-Sub/ DVI / HDMI / DP	640x480@60Hz	v	v	v	v	v	v
	640x480@75Hz	v	v	v	v	v	v
	720x400@70Hz	v	v	v	v	v	v
	800x600@60Hz	v	v	v	v	v	v
	800x600@75Hz	v	v	v	v	v	v
	832x624@75Hz	v	v	v	v	v	v
	1024x768@60Hz	v	v	v	v	v	v
	1024x768@75Hz	v	v	v	v	v	v
	1152x870@75Hz	v		v	v	v	v
	1280x800@60Hz	v		v	v	v	v
	1280x720@60Hz	v	v	v	v	v	v
	1280x960@60Hz	v					
	1280x1024@60Hz	v				v	v
	1280x1024@75Hz	v				v	v
	1360x768@60Hz		v				
	1440x900@60Hz			v		v	
	1600x900@60Hz				v		v
1680x1050@60Hz					v	v	
1920x1080@60Hz						v	

VA panel

Incoming display mode (Input timing)				
Panel type		VA panel		
Display size		21.5"	24" / 27"	32"
Input signal	Resolution	1920 x 1080	1920 x 1080	2560 x 1440
	Aspect ratio	16:9	16:9	16:9
D-Sub / DVI / HDMI / DP	640x480@60Hz	v	v	v
	640x480@75Hz	v	v	v
	720x400@70Hz	v	v	v
	800x600@60Hz	v	v	v
	800x600@75Hz	v	v	v
	832x624@75Hz	v	v	v
	1024x768@60Hz	v	v	v
	1024x768@75Hz	v	v	v
	1152x870@75Hz	v	v	v
	1280x800@60Hz	v	v	v
	1280x720@60Hz	v	v	v
	1280x960@60Hz			
	1280x1024@60Hz	v	v	v
	1280x1024@75Hz	v	v	v
	1360x768@60Hz			
	1440x900@60Hz			
	1600x900@60Hz	v	v	v
	1680x1050@60Hz	v	v	v
1920x1080@60Hz	v	v	v	
DVI / HDMI / DP	1920x1200@60Hz			
	2560x1440@60Hz			v

IPS panel

Incoming display mode (Input timing)						
Panel type		IPS (AHVA) panel				
Display size		23" / 23.8"	23.8"	24"	27"	23.6" / 27" / 32"
Input signal	Resolution	1920 x 1080	2560 x 1440	1920 x 1200	2560 x 1440	3840 x 2160
	Aspect ratio	16:9	16:9	16:10	16:9	16:9
D-Sub / DVI / HDMI / DP / mini DP	640x480@60Hz	v	v	v	v	v
	640x480@75Hz	v	v	v	v	v
	720x400@70Hz	v	v	v	v	v
	800x600@60Hz	v	v	v	v	v
	800x600@75Hz	v	v	v	v	v
	832x624@75Hz	v	v	v	v	v
	1024x768@60Hz	v	v	v	v	v
	1024x768@75Hz	v	v	v	v	v
	1152x870@75Hz	v	v	v	v	v
	1280x800@60Hz	v	v	v	v	v
	1280x720@60Hz	v	v	v	v	v
	1280x960@60Hz					
	1280x1024@60Hz	v	v	v	v	v
	1280x1024@75Hz	v	v	v	v	v
	1366x768@60Hz					
	1440x900@60Hz					
	1600x900@60Hz	v	v	v	v	v
1680x1050@60Hz	v	v	v	v	v	
1920x1080@60Hz	v	v	v	v	v	
DVI / HDMI / DP / mini DP	1920x1200@60Hz			v		
	2560x1440@60Hz		v		v	v
	3840x2160@30Hz					v
HDMI 2.0 / DP / mini DP	3840x2160@60Hz					v



To make sure the above timing works, check the compatibility and specifications of your graphic card first.



For 18.5-inch models, pay attention to the following:

- For the first time using this monitor with the resolution 1360x768, the default **Display Mode** is **Aspect**.
- If the video card cannot display or normally display with the native resolution of 1366x768, please adjust the resolution to 1360x768.

Image disruption may occur as a result of signal frequency differences from graphic cards which do not correspond with the usual standard. This is not, however, an error. You may improve this situation by altering an automatic setting or by manually changing the phase setting and the pixel frequency from the "DISPLAY" menu.

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