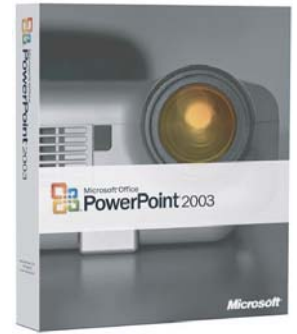


CREATING JPEG IMAGES FOR 16:9 WIDESCREEN DISPLAYS

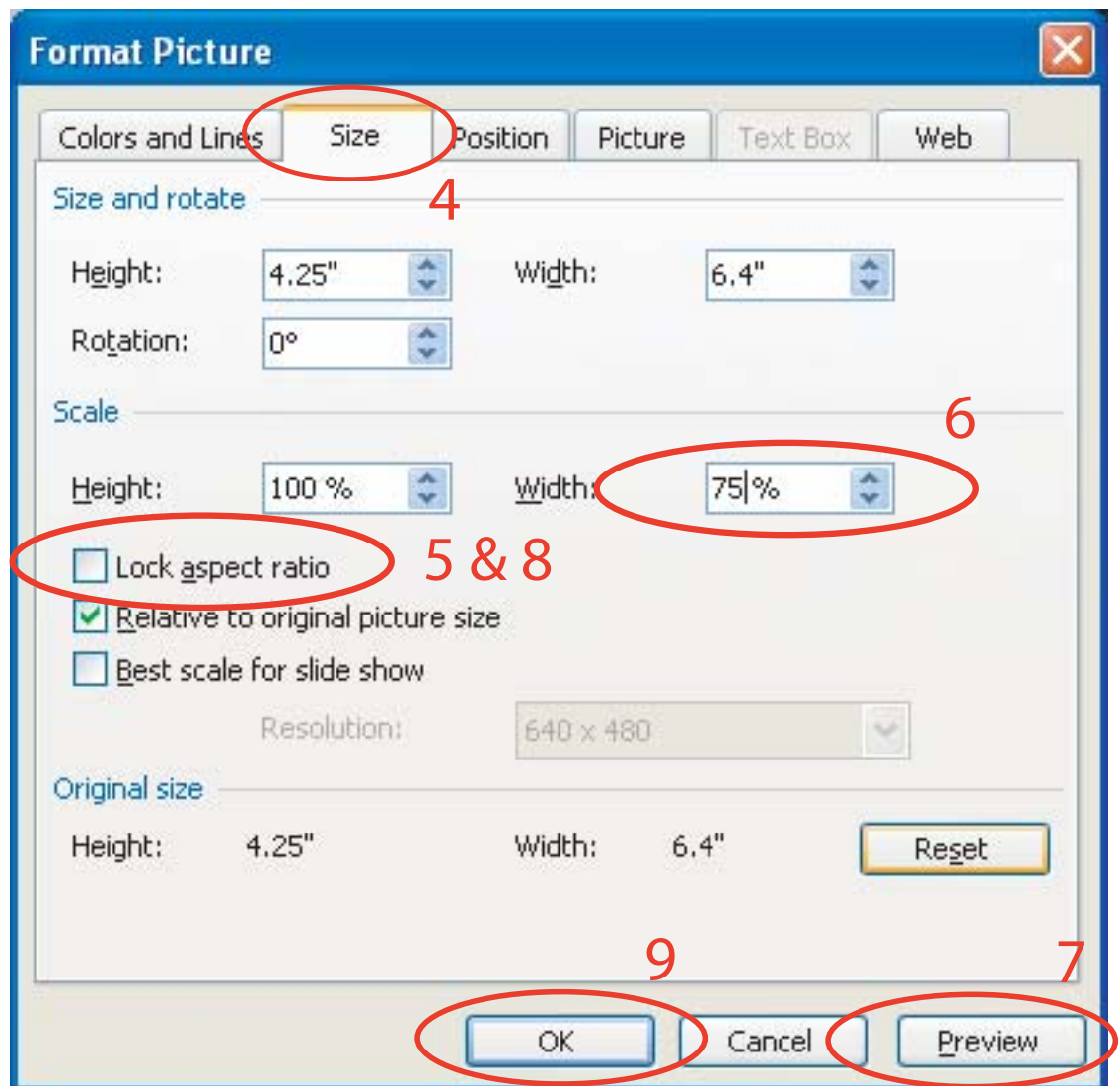
Using Microsoft PowerPoint™



The POP AdVisions digital signage system outputs (and scales) everything as 640x480 which is considered a 4:3 ratio which means 4 blocks wide to 3 blocks high. This is standard PC and TV display resolutions. With the introduction of widescreen TV's and DVD's, also came a new display ratio. Now, these widescreen systems are displaying a 16:9 ratio which is 16 blocks wide by 9 blocks high which is why when you normally view something in widescreen format on a regular TV or LCD, you have black bars at the top and bottom of the display.

Our player still outputs 4:3 at 640 x 480. The LCD display scales this to full screen which then stretches the image horizontally. As a result, this causes spherical images and people to look stretched when viewed on a 16:9 widescreen LCD display. A workaround for this problem in Microsoft PowerPoint™ (this solution also works with other imaging software as well) is to scale the width of an object to 75% so that it resembles the original size when the LCD stretches it. Following is the procedure for scaling the objects in a slide.

1. Create your presentation in Microsoft PowerPoint™.
2. Select the slide that contains the objects that you wish to scale.
3. Right click on the object that needs to be scaled and select "Format Picture".
4. Click on the "Size" tab at the top of the "Format Picture" window.
5. Make sure that you uncheck the "Lock Aspect Ratio" checkbox as shown.
6. Set the width to "75 %" as shown.
7. Click "Preview" so that it accepts the new setting.
You must do this before continuing.
8. Next, click the checkbox next to "Lock Aspect Ratio". This will allow you to resize the image if you need to but it will keep the new 100%/75% scale.
9. Click on "OK" to complete the scaling change.



Repeat this procedure for the other objects in your slide(s) that need to be scaled for viewing on a 16:9 widescreen display.

*Note: The procedure only applies to objects (like photos, shapes, etc.) and not to text and text boxes. The text can not be scaled but looks fine when it is stretched on a widescreen display.