Color Calibration

Calibration ensures that the displays, printers and paper are properly aligned to each other. This process ensures that colors stay rich, clear and the finished result is of the highest quality. Successful calibration also avoids what is commonly known as 'device drift'.

Step 1: Set the color profile of your document

Items of Note:

You must set the document color profile to an industry standard before adjusting anything within the image.

Print and Photography standard: Adobe 1998

Photoshop

1. Open your image file inside Adobe Photoshop
2. Once open, click on "Edit" from the main menu bar and select: Color Settings (shift+Cmd+K)
3. In the window that pops up, click on the 'Settings' pull down menu and select: North America Prepress 2. This will set the working spaces RGB to Adobe RGB (1998)
4. Click on the 'OK' button in the upper right corner of the window to apply the new settings
5. Save your document

> ✅ **Pro Tip**
>
> Save this working document as a new file, so you retain a copy of your image in its original state.

InDesign

1. Start a new document and or open your existing InDesign document
2. Once open, click on "Edit" from the main menu bar and select: Color Settings
3. In the window that pops up, click on the 'Settings' pull down menu and select: North America Prepress 2. This will set the working spaces RGB to Adobe RGB (1998)
4. Click on the 'OK' button in the upper right corner of the window to apply the new settings
5. Save your document

Illustrator

1. Start a new document and or open your existing Illustrator document
2. Once open, click on "Edit" from the main menu bar and select: Color Settings (shift+Cmd+K)
3. In the window that pops up, click on the 'Settings' pull down menu and select: North America Prepress 2. This will set the working spaces RGB to Adobe RGB (1998)
4. Click on the 'OK' button in the lower right corner of the window to apply the new settings
5. Save your document

Step 2: Set the color profile of your display

> ⓘ The computer screen you work from must be calibrated using a color calibration tool to ensure you are working with a known set of standards. There are set profiles for use with the iMac computers within the Newhouse complex. If you are using your own personal equipment you will need to calibrate your display to setup an ICC profile for the specific computer model you are using.

1. Set the iMac display brightness to 50-60%

> ✅ **Pro Tip**
>
> Display brightness can be adjusted using the F1 and F2 keys

2. Click on the Apple in the upper left corner of the screen and select "about this Mac"
3. In the window that appears, you will need to look for the line that reads iMac. This line will be followed by information about the kind of computer you are using (e.g 5K 2017) You will need this information later on in this step
4. Click on the Apple in the upper left corner of the screen and select "System Preferences" from the pull down menu.
5. Click on the icon labeled "Displays"
6. In the pop up menu that appears click on the button labeled 'Display Settings'

7. Another pop up menu will appear. In the left hand column select the display you are working on (it should the the one with the icon that looks like an iMac). On the right hand side of the window the is a pull down menu for 'Color Profile'In the list that appears, select the menu option that best applies using the information collected in step 2.3 (e.g. iMac 5K - Photo)

Step 3: Congratulations

The work space you are working in in now color calibrated and you can begin editing your documents.

> ⚠️ **Please Note:**
>
> Step 2 will need to be set anytime you work on a document anywhere in the Newhouse complex, and should be verified every time before working on a document.

If you are projecting to an external source such as a TV, please repeat Step 2 and replace steps 2.2 and 2.3 with the model of TV in the space (e.g. Samsung, Sharp)

> ✅ **Pro Tip**
>
> Color correction is based on controlling and manipulating color. To ensure consistent results, you should try to control the ambient light in your environment just as much as you workspace. It is recommended that you work in a darkened space with no refractive or direct light focused at the work surface as this will influence the way colors are perceived.