

# Defining the device condition profile

Any color input, PCO, and SCO device condition that will be used in Prinergy with color management requires a device condition profile. Even if you have [generated a DeviceLink profile](#) during a simulation or a conversion, you still need to define the device condition profile to be used by Prinergy for color conversion operations.

In the ColorFlow Pro Workflow edition, you can import, generate, and [adjust device profiles](#). In the ColorFlow Workflow edition, you can only use device profiles by importing them.

You can import a device profile that was generated by Kodak Profile Wizard software, Kodak Spotless Color Toolkit, Kodak Spotless Software, or other software that supports ICC profiles. If none of the devices in the device condition have a measured response, the imported profile will define the color response of the device condition. If the device condition already has a color response that was derived from measurement data, importing a profile will not replace this color response.

1. In a device condition, click the **Device Condition Profile** icon .
2. Do the following:
  - To generate the profile:
    - a. In the **Origin** area, select **ColorFlow Generated**.
    - b. It's recommended that you use the default values that are displayed. These values are tailored to the device type of the device condition. However, you can make changes as necessary:
      - **Total Ink Limit**: Specify the maximum sum of tint values of all the inks
      - **Black Start**: Specify the start point on the neutral axis for black ink. For example, if you set the start point value to 20%, tones less than 20% will print with CMY inks only
      - **Max Black**: Specify the maximum allowable percentage of black ink used in the black separation
      - **Black Strength**: Use the slider or the text box to specify the relative quantity of black vs cyan, magenta, and yellow used to generate the neutral gray component of colors. As you move the slider towards the maximum value, colors can contain more black
      - For **Perceptual** rendering intent, you can adjust the way the source gamut is mapped to the destination gamut by entering the desired value in the **Brightness Boost** and **Contrast Boost** boxes. It's recommended that you generate the profile with default settings, and then adjust the **Brightness Boost** and **Contrast Boost** settings if the visual appearance of separated images is not pleasing
  - To import a profile:
    - a. In the **Origin** area, select **Imported**.
    - b. Click **Import**.
    - c. Locate the profile that you want to import, and click **Open**. Information about the profile that you selected is displayed.
3. Click **OK**.

