



Using the X-Rite 361T Densitometer with AGFA MC Color Calibrator

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Although MC Color Calibrator does not directly implement the use of the X-Rite 361T densitometer, some initial setup procedures will allow the 361 to transmit measurements directly into the AGFA calibration program.

The 361T Densitometer is a transmission densitometer and can therefore only be used with MC Calibrator when calibrating the film output of an imagesetter. To accomplish this, you must obtain the X-Key Macintosh Control Panel Utility from X-Rite. Contact the X-Rite Applications staff to obtain this control panel. (Phone number listed at the end of this document)

Configuring X-Key

The X-Key Control Panel must be used with the Macintosh in order to automatically enter densities into MC Color Calibrator. It is important to have X-Key configured correctly.

- Drag the X-Key Control Panel into the system folder and click on OK to allow the Macintosh to put it into the correct place.
- Turn off or disable any modem software you are using on your Mac.
- Restart your Mac
- Open the X-Key Control Panel. Turn X-Key "on". Set baud to 1200, parity to "none", stop bits to "1", and handshake to "Xon/Xoff".
- Make sure the serial port (printer or modem) is correctly selected to the port you are using in the back of the Macintosh.
- Set the field delimiter and alternate ending both to "cr".
- Make sure that strip letters is selected.

Configuring the X-Rite 361T Densitometer

- First connect your 361T to the serial port of your Macintosh. You will need the X-Rite adapter P/N 881-80 and the X-Rite cable P/N 418-79. Connect the cable into the Modem port of the Macintosh. For information on how to obtain X-Rite cables and adapters, contact the X-Rite Applications staff.
- On the 361T, press both the Function and Color keys at the same time. The display will read N Dcal Y. Press the Function key twice and the display will read N mode Y. Press the Zero key.
- Press the function key to bypass the x10 mode.
- Press the zero key to enter the I/O setup
- RCI should be off. Press the Zero key to change it. Press the Function key to continue.
- RPT should be off. Press the Zero key to change it. Press the Function key to continue.
- P5 should be off. Press the Zero key to change it. Press the Function key to continue.
- Baud should be 1200. Press the Zero key to change it. Press the Function key to continue.
- HDR should be off. Press the Zero key to change it. Press the Function key to continue.
- DPT should be on. Press the Zero key to change it. Press the Function key to continue.
- COMP should be off. Press the Zero key to change it. Press the Function key to continue.
- CR or CR LF must be set to CR. If it is set to CR LF press the Zero Key to change it. Press the Function key to continue.
- Press the Function key to exit the I/O Modes.
- Press the Function key to bypass Sequencing.
- Press the Function key to bypass the Lamp setting.
- Now press Function until DEN is displayed. MC Calibrator requires density reading on the dot screen areas of the test page.
- You are now ready to enter readings into MC Calibrator

Using with MC COLOR Calibrator

- Launch MC Color Calibrator
- Make sure your imagesetter is the device selected under the Macintosh Chooser.
- From the FILE menu Select NEW... B&W Printers and Imagesetters.
- After the software locates your device, select a screen frequency, screen angle and resolution in the untitled window that appears.
- Click on the TestPage button. The software will output a test page to your imagesetter.
- When you receive the test film, click on the measure button to open the "measure" window.
- Click in the first box in the upper left hand corner. (Note: for imagesetters you will have three columns to enter dot readings instead of the CMYK columns shown below) Take a reading on the white area of the gray picker chart. Your data will be automatically entered into MC Color Calibrator and the cursor will drop to the next box. Continue reading down the first column of patches. When you finish reading the first column of test patches, the cursor will jump to the top of the second column. Repeat the process for the remaining two strips to fill all the boxes.