

Precautions and Restrictions Regarding FT-S5000

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Thank you for your ongoing cooperation with our department. This document describes some precautions and restrictions to observe when using the FT-S5000 with ColorScopePro3.

■Required system

- Macintosh model: Power Macintosh 9600/233 or higher
- System software: Mac OS 7.6.1 or higher
- Memory capacity:
 - When usage is in a client-server environment, 160 MB or more is recommended
 - When only Plug-In is to be used, 160 MB or more is recommended
 - When only a server is to be used, 96 MB or more is recommended
 - When only a client is to be used, 96 MB or more is recommended
- Hard disk free space:
 - 3 GB or more or five times as large as digital sizes of images to be input (500 MB minimum)
- Display
 - 21-inch full color display (17 inches and 32768 colors minimum)

■AT FIRST , DOWNLOAD FT-S5000 FIRMWARE

Install ColorScope Pro 3. A downloaded file is FT-S5000_Vxxx.jfirm. This file is in "ColorScopePro3:FT-S5000 Maintenance" folder. Download this file by using FT-S5000 Maintainer to FT-S5000 firmware.

■When ColorScope is run for the first time

If ColorScope has already been used, the Preference file containing the ColorScopePro3 environment descriptions has been created in the Preferences folder in the System folder. When ColorScope is reinstalled or upgraded, the Preference file must also be updated. To be on the safe side when installing ColorScope, be sure to perform the following operations.

1. When launching ColorScope Pro, hold down the Option and Command keys simultaneously on the keyboard, and double-click "ColorScope".

2. The following message will appear, indicating initialization of the ColorScopePro3 environmental settings.

"Preference file is built again."

3. After performing step 1 once, it is no longer necessary to do this step again when launching ColorScope.

4. To initialize the scanner settings, click the "Factory Settings" button in the display for setting the pre-scan resolution and defocus of the scanner.

■Precautions and restrictions on using the FT-S5000 and ColorScopePro3.

System Settings

- The system will not work when the virtual memory of the MacOS-7.6 is turned ON.
- If you use Kanji-Talk7.5.x, an application for using Japanese with the Macintosh, a SCSI error will occur and the image may not be input properly. (Using Kanji-Talk7.5.5, in particular, prevents you from aborting the input of an image during the scanning operation.) It is highly recommended that MacOS-7.6.1 or higher be used.

FT-S5000

- The FT-S5000 can be used approximately 3minutes after turning on its power. Although image pre-scanning through the FT-S5000 and image setup can be performed within these 3minutes, you cannot implement image scanning at full-resolution during this period. When large images are to be scanned, 10 minutes or more waiting is recommended to allow the light source to stabilize. To input line art originals from an FT-S5000 set to line art mode, you must start by turning on and warming-up the FT-S5000 for more than 30 minutes. If you perform input operations before the FT-S5000 is fully warmed-up, some areas of the original image (especially some areas of an image placed in the center of the tray) may be input irregularly.

- If you try to set the original tray in the wrong direction, a pin affixed to the rear side of the original tray will prevent the tray from being set properly on the tray table. Sometimes, heat from the FT-S5000's light source can affect the tray table, causing difficulty in placing the original tray snugly on the tray table. Thus, please be sure that the original tray is positioned correctly on the tray table, with no gaps of any kind.
- Glassless holders contained in the optional "Compound Tray Set" can only be used for inputting originals using a low magnification (200% or less). To input originals using a magnification higher than the above, it is recommended that a plastic holder be used.
- The line art glass tray is for dedicated use with the line art mode. Using the line art glass tray for inputting an original other than line art may cause the image to be input irregularly.
- Before inputting line art, fix the input original to the tray using adhesive tape, and then attach the tray firmly to the tray table using the "tray securing attachment". If the original or the tray is not fixed firmly, some areas of the original images (especially some areas of an image placed in the center of the tray) may be input irregularly.
- When using a glass tray, make sure not to put excessive strain on it.

Temporary halting of the FT-S5000

- Be sure not to implement too many (server/client) computer operations while inputting an image (especially line art) from the FT-S5000. If the memory for application software is low, or if you implement too many (client/server) computer operations, the image transmission speed from the FT-S5000 to the computer could drop, and the input process may halt temporarily. This is because the FT-S5000's transmission of data is pre-empted by the computer's processing time, resulting in the transmission from the FT-S5000 having to wait. If transmission is interrupted with the temporary halting function during the scanning of line art, the input image may appear to be uneven.

Client/Server Connection

- To use ColorScope, you cannot connect more than one "ColorScopePro3" client to the "ColorScopeServer" simultaneously. If one client is already connected with a server, be sure not to try to connect another client to the same server.
- If you use ColorScope in a client/server environment (by installing the client and server applications on different computers), you must mount the server's folder on the client's desktop when outputting files from the client.

Closing the server application

- If you close the server application while jobs still remain in the waiting list of the server control palette, all remaining jobs will be cleared.

Importing line art:

- When importing line art via the FT-S5000 Photoshop Plug-in, the largest line art size (A3-plus) cannot be handled at 2000 dpi. The maximum allowable import size is 26816 x 30000 pixels; the maximum image size that Photoshop can handle is 30000 x 30000 pixels. Use ColorScopePro3 if you need to import an image of the maximum permitted size.
- If a cross-line screen tone is included in the original, a moire pattern may appear when the original is tilted at a certain angle. Should de-focusing be carried out to remove the moire pattern from the image, the quality of the image may be adversely affected.
- When scanning an image in the 1200 dpi line art mode while the original is set on the standard tray, no layout sheet can be mounted (only a film or a sheet of paper can be mounted).
- When scanning an image in the 1200 dpi line art mode while the original is set on a glass tray, a layout sheet with up to two pieces of phototypesetting (PTS) paper applied can be mounted. (The total height of the two pieces of PTS paper on the layout sheet must be 200 microns or less.)
- When scanning an image in the 2000 dpi line art mode when the original is set on a glass tray used for line art, no layout sheet can be mounted (only a film or a sheet of paper can be mounted).
- The standard tray does not support the 2000 dpi line art mode. When importing line art at 2000 dpi, use a glass tray.
- In the line art scanning mode with the FT-S5000, scanning is carried out two times over the scan area which is divided in two in the primary scanning direction (X direction) when the input resolution is 1200 dpi. At an input resolution of 2000 dpi, scanning is performed four times over the area which is divided in four. It should be noted that images consisting of two or four segments may appear shifted at their joining sections or distorted due to distortion of the original or to insufficient contact of the original to the original holder. To avoid the above noted problem, the FT-S5000 tries to find the optimum image joining sections before scanning begins, to minimize the appearance of image shifts or distortion. However, depending on the condition of the original to be scanned, some poorly joined images are unfavorably captured. In such cases, remount or slightly move the original on the original holder and perform scanning again to obtain a correct image. Prior to further processing, be sure to check the condition of each image scanned in the line art scanning mode with the FT-S5000 by displaying the image in Photoshop. (For your reference, the joining location for an image captured at 1200 dpi will be at the 7840th pixel in the X direction [or around 166 mm from the scan start line]. For a 2000 dpi-captured image, the joining locations are at the 6768th pixel [or around 86 mm], at the 13440th pixel [or around 171 mm], and at the 20112th pixel [or around 255 mm].)

Trimming the image

- During pre-scanning, trimming at times may not be automatically performed depending on the original type or on the settings.

In particular, when an original is set in the oil holder or the resin holder (without a mask sheet) on the compound tray, trimming will not be performed. In this case, select "A3" or "A4" for the pre-scan area. When originals are set closely on the standard tray, they are sometimes trimmed as one image. Be careful to set the originals separated by a distance of 2 cm or more.

- When performing trimming for the same size image more than once, the setup that was first made can be applied to subsequent images simply by moving the trimming area in the pre-scanning window.

Notes on scanning 35mm originals

- If you set the prescan resolution to 36dpi, Intelligent Setup and AI Setup will not function properly due to lack of pixels. This may cause improper hilite and shadow points to be set on your setup. To avoid such problem, set the prescan resolution to 72dpi or higher when scanning 35mm originals.

Batch scan

- Up to 99 scans can be performed, using batch scanning or background scanning...

FT-S5000 Photoshop Plug-in

- The FT-S5000 Plug-in can be used with Photoshop V3.0.4 and higher.

■Profiles included with ColorScopePro3

- When ColorScopePro3 is installed, the following profiles are also installed. Use them according to the type of printing ink.

StdRGB.C6T

It is the profile which does calibrate image in the input. Calibration is done with FT-S5000 inside the scanner. This profile doesn't influence FT-S5000.

JColorDS_8bit.C5T

It is the profile checked with the Japanese printed matter. This profile is chosen by the default. When you wish it the output of 8bitRGB, it is used.

JColorDS_16bit.C5T

It is the profile checked with the Japanese printed matter. When you wish it the output of 16bitRGB, it is used.

EURODS_8bit1.C5T

It is the profile checked with the European printing. When you wish it the output of 8bitRGB, it is used.

EURODS_16bit1.C5T

It is the profile checked with the EURO printing. When you wish it the output of 16bitRGB, it is used.

SWOPDS_8bit.C5T

It is the profile checked with the SWOP printing. When you wish it the output of 8bitRGB, it is used.

SWOPDS_16bit.C5T

It is the profile checked with the SWOP printing. When you wish it the output of 16bitRGB, it is used.

SWOPDS_8bit1.C5T

It is the profile checked with the SWOP printing. When you wish it the output of 8bitRGB, it is used.

The grey balance was maintained, but the K- shift was increased to enhance contrast and range compared with SWOPDS_8bit.C5T. All pure hues were increased, both wanted and unwanted colors. At the Reflection original, midtone was increased to add weight and contrast to image.

SWOPDS_16bit1.C5T

It is the profile checked with the SWOP printing. When you wish it the output of 16bitRGB, it is used. The grey balance was maintained, but the K- shift was increased to enhance contrast and range compared with SWOPDS_8bit.C5T. All pure hues were increased, both wanted and unwanted colors. At the Reflection original, midtone was increased to add weight and contrast to image.

■Precautions for maintenance

Opening/closing of covers

- When closing the upper cover, apply pressure from the upper right direction to ensure that the end of the cover contacts the magnet on the cover base.
- To open the front cover, pull the right and left hand holds at the same time. Pulling only one of the hand holds will apply an excessive load on the cover or cause the cover to be caught by the cover base.
- When closing the transmission light cover after replacing the transmission light, continue holding the cover until it is completely closed to prevent it from falling down.
- Be sure to secure the left cover with the provided screws. The left cover may gradually come off if it is not secured with the screws; it can maintain its position without the screws.

■Notes on the FT-S5000 maintenance tool

Reference color data measured from the target used for color calibration

- Clicking the "Scan" menu in the trimming window when calibration is being carried out displays an untitled file dialog box. In this file dialog box, select the reference color data file obtained by measuring the target. The reference color data is stored in the floppy disk attached to the calibration target.

Scroll bar in the scanner log file display area

- Note that the scroll bar in the scanner log file display area of the scanner log window does not work properly. With the current scroll bar, it is at times impossible to scroll up/down an entire page. To scroll up/down an entire page, perform drag within the scanner log file display area.

Scanner log file

- In the scanner log window, you can save each acquired scanner log in the specified file. At times, a scanner log file may not be displayed with the Macintosh's standard text editor, even when the file is text-formatted, since a line-feed is used as the "return" code in the file.

Light settings for after scanning

- A setting has been made available to make both the light for transmission and that for reflection turn on after scanning. This setting can reduce the waiting time for switching from the transmission light to the reflection light, or vice versa.
Click the "Scanner Setting" button in the menu window to open the scanner setting window. Add a check to the "Turn on all the lamps always after scan" check box in the window to make both lights turn on after scanning.
This check box is checked at the factory.

Caution for the calibration of transparency originals

- Click the "Calibration" button in the menu window to open the trimming for calibration window. In this window, select one of the following radio buttons depending on the setting conditions of the original (target).
 - "Transparency on the standard tray"
 - "Transparency under the transparent original retaining plate"
 - "Transparency in the glass-less holder"