



ATF-LS-FRL Digital Cameras Standard Operating Procedures	Published Online: March 2018
Authority: Technical Leader	
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1) Required Supplies

a) *Digital Camera*

b) *USB cable*

c) *Multi-Media Adapter (May Have Own USB Cable or May Require USB Cable Used to Sync Camera)*

2) Start-Up and Pre-Test Procedures

a) *Verify Camera has Sufficient Battery Life Remaining*

b) *Sync camera to FireTOSS*

(1) Using Nikon Software

(a) Plug Camera into Computer Using USB Cable and Turn Camera ON.

(b) When the AutoPlay Window Appears, Click "Import File using Nikon Transfer 2" (see Figure 1)

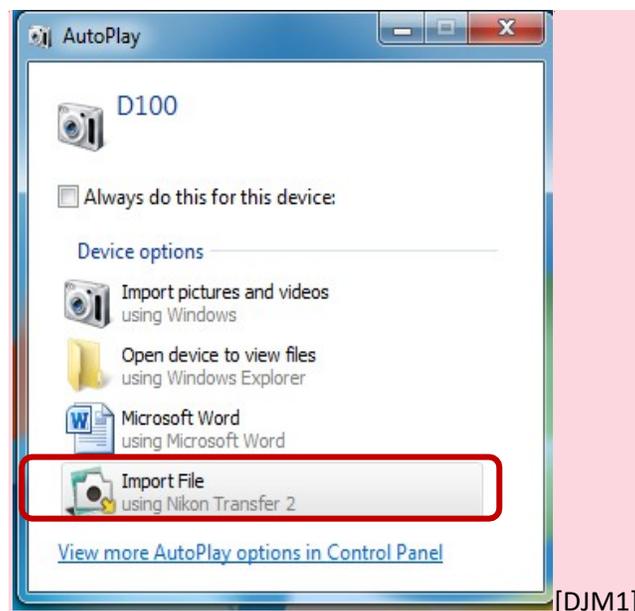


Figure 1: AutoPlay Window

(c) Click Synchronize (see Figure 2)

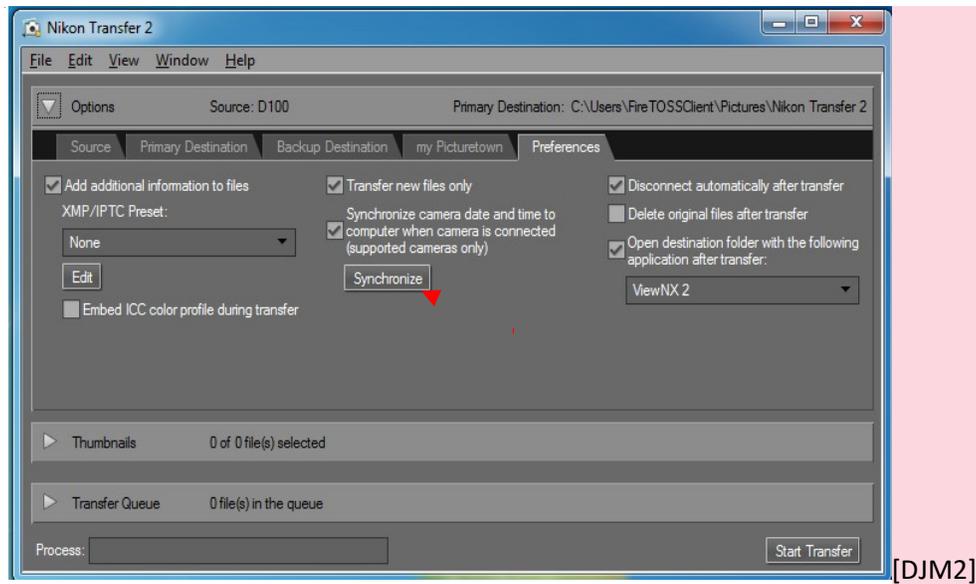


Figure 2: Nikon Transfer Interface

(d) A Message will Appear Stating the Synchronized Time. Click OK. (see Figure 3)

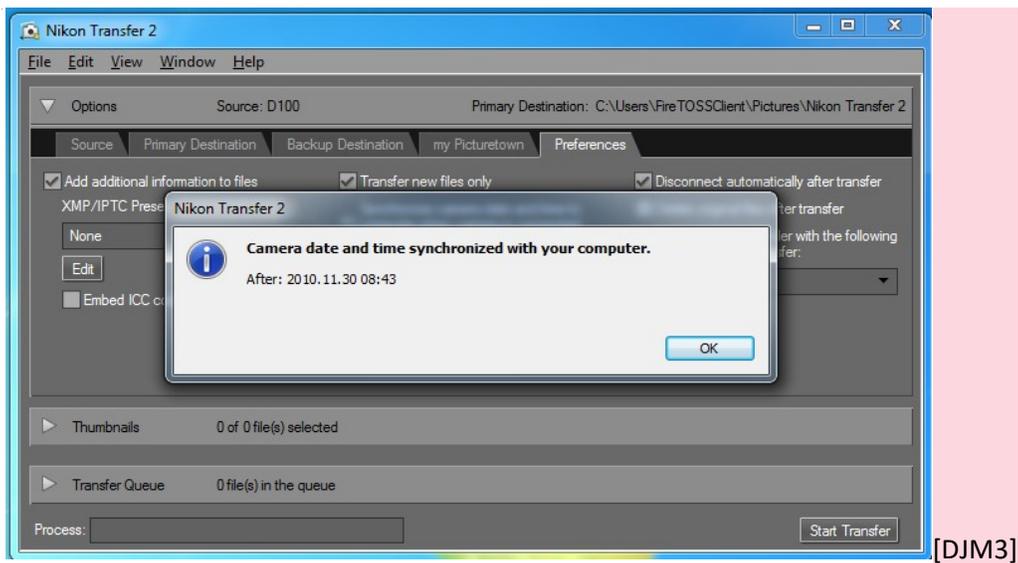


Figure 3: Nikon Transfer Synchronization Confirmation

(e) Close Nikon Transfer and Unplug Camera From Computer

NOTE: Although the Nikon Transfer Program Only Displays a Synchronized Time to the Minute, the Program Synchronizes the Camera to the Second.

(2) Manual Sync

(a) Open Computer Date/Time program (see Figure 4)

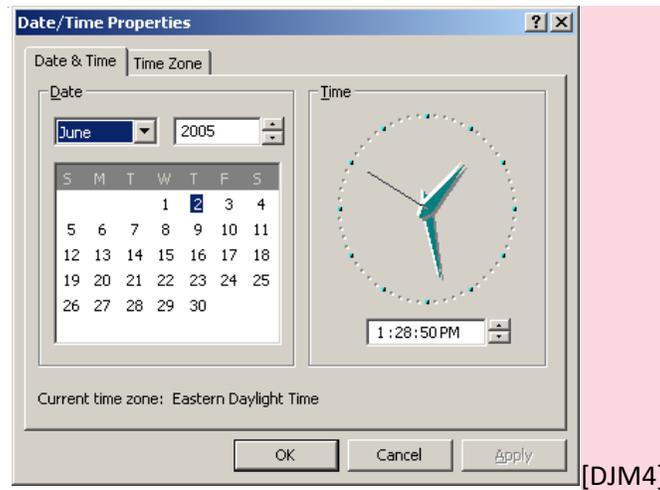


Figure 4: Date/Time Program

(b) Open The Cameras Date/Time Tab in Menu (See Cameras User Manual If Needed)

(c) Manually Set Camera Clock to Computer Clock

3) Experiment Procedures (During Test)

a) Take photographs as necessary

4) Shut-Down and Post-Test Procedures

a) Upload photographs to FireTOSS

(1) Plug Multi-Media Adapter into FireTOSS Laptop

(2) Insert Media Card into Multi-Media Adapter

(3) There are two methods for accessing the picture upload program

(a) In FireTOSS, Click "Insert → Attach Pictures"

(i) Requires User to Be Logged In

(ii) Preferred Method

(iii) See Figure 5.

(b) In iFix, on the Experiment Control Screen, Click the "Upload Pictures" Button

(i) See Figure 6

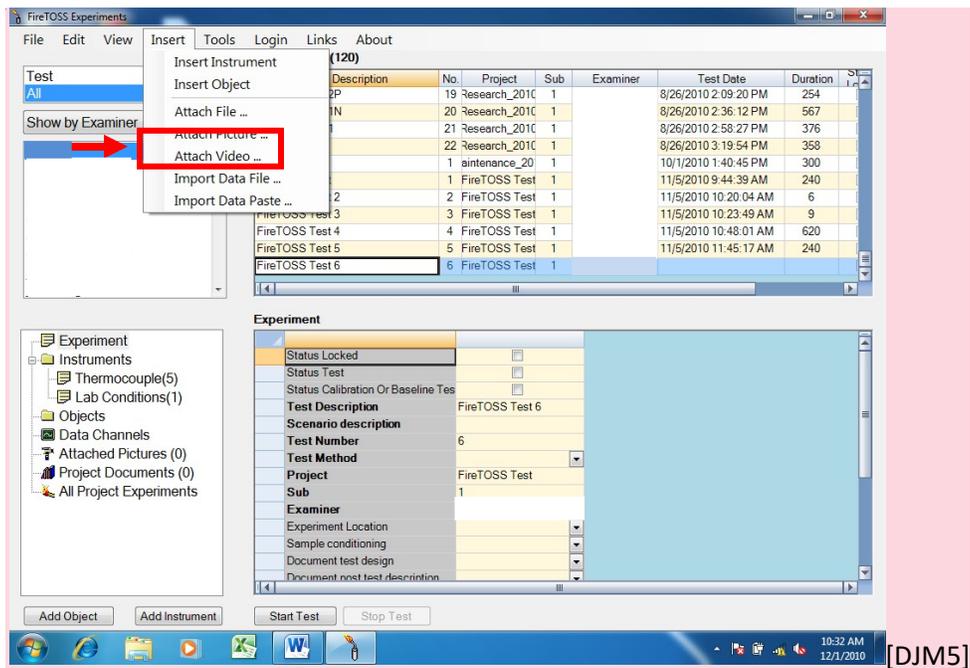


Figure 5: How to access picture upload program from FireTOSS

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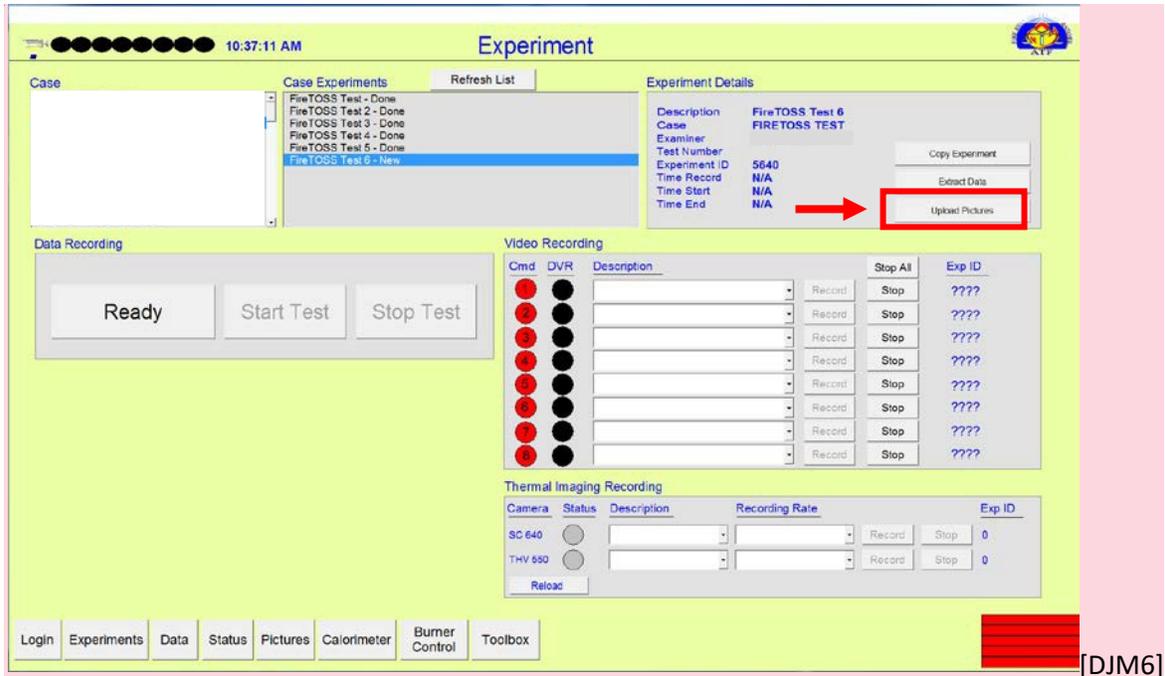


Figure 6: How to access picture upload program from iFix

(4) On the Upload Experiment Pictures Screen (Figure 7):

- (a) Specify the Directory Where the Photos are Located
- (b) Select FireTOSS Synchronization Status
- (c) Input Photographer Name
- (d) Verify Correct Test Number
- (e) Select Photos to Upload
- (f) Copy Pictures (and Close)

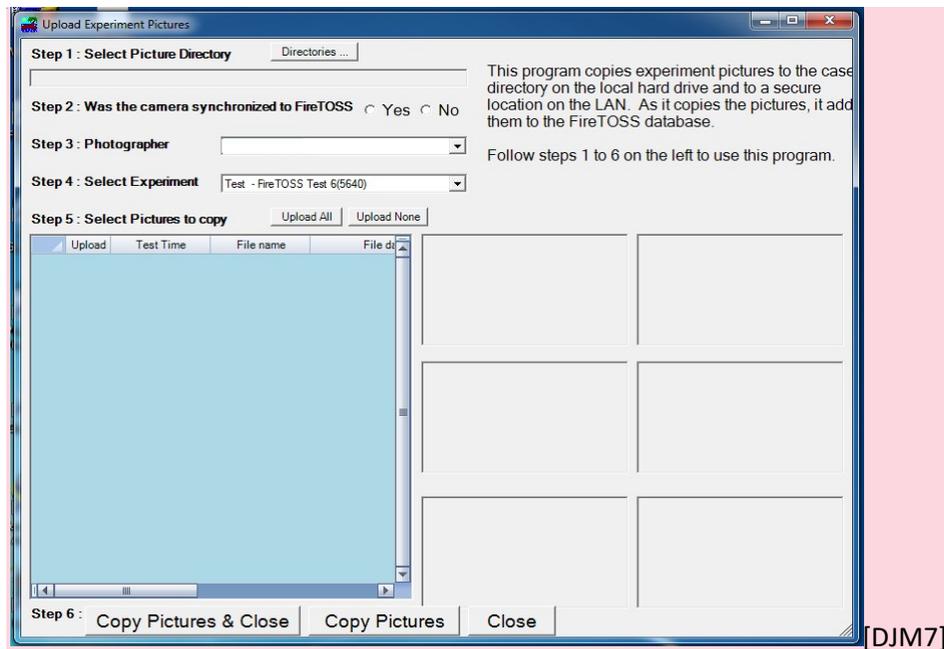


Figure 7: Picture Upload program

5) Maintenance Procedures

- a)** *Change Batteries When Low*
- b)** *Periodically Clean Lens of Camera*

6) Calibration Procedure / Accuracy

- a)** *Digital Cameras Do Not Require Calibration*
- b)** *Camera Clock Synchronization with FireTOSS Required Before Each Test*
- c)** *Internal Clock of a Digital Camera Must be Accurate to 1 Second Within a 24 hour period.*

7) Technical References

- a)** *For More Information, Refer to Appropriate Camera Model Users Manual*