



FlashTiming FT-FAT Start-Up Instructions

These instructions will guide you through the initial setup of your **FT-FAT** FlashTiming system. First, we'll connect the camera directly to the computer and check for live feed from the camera in the FlashTiming software. Next, we'll connect the **FT-FAT** timer unit to the system and test the timing device. The last step is to capture and playback a video.

A. Connect the Camera to Your Computer

1. Connect the Digital Converter to the computer. If the computer has a 6-pin firewire jack, plug the firewire (IEEE 1394) cable into the 6-pin jack on the digital converter labeled "DV Out" and the other end into the firewire jack on your computer.

Most laptops and some desktop computers only come with a 4-pin firewire jack. These computers require a power supply for the digital converter. Use the 6-pin to 4-pin firewire cable that comes with the power supply to connect the digital converter to your computer. Plug the power cable into the connector labeled "DC In" on the Digital Converter.

Check the DIP switches next to the power supply outlet. Verify that DIP switch 2 is on and all others are in the off position (flipped up).

2. Connect the camera to the digital converter using the 25ft plug and play cable. This cable is a combination video and power cable.
 - a. The ends of the plug and play cable are split. One end contains a BNC connector and a female power plug. Connect this end to the back of the camera. Connect the cable's male BNC connector to the back of the camera. Secure the connection by twisting it clockwise.
Insert the cable's female power plug into the male power plug attached to the back camera.
 - b. Use the male RCA adaptor that comes with the cable to connect the other end of the cable to the digital converter. Attach the RCA adaptor to the BNC connector. (In some cases, the adaptor may already be attached.) Insert the male RCA adaptor into the yellow outlet on the digital converter marked "Video In".
3. Connect the power supply to the camera. Insert the female power plug from the power supply to the cable's male plug. This male plug is on the same end of the cable that is attached to the digital converter. Connect the power supply to a standard electrical outlet. Verify that the light on the side of the digital converter is green.

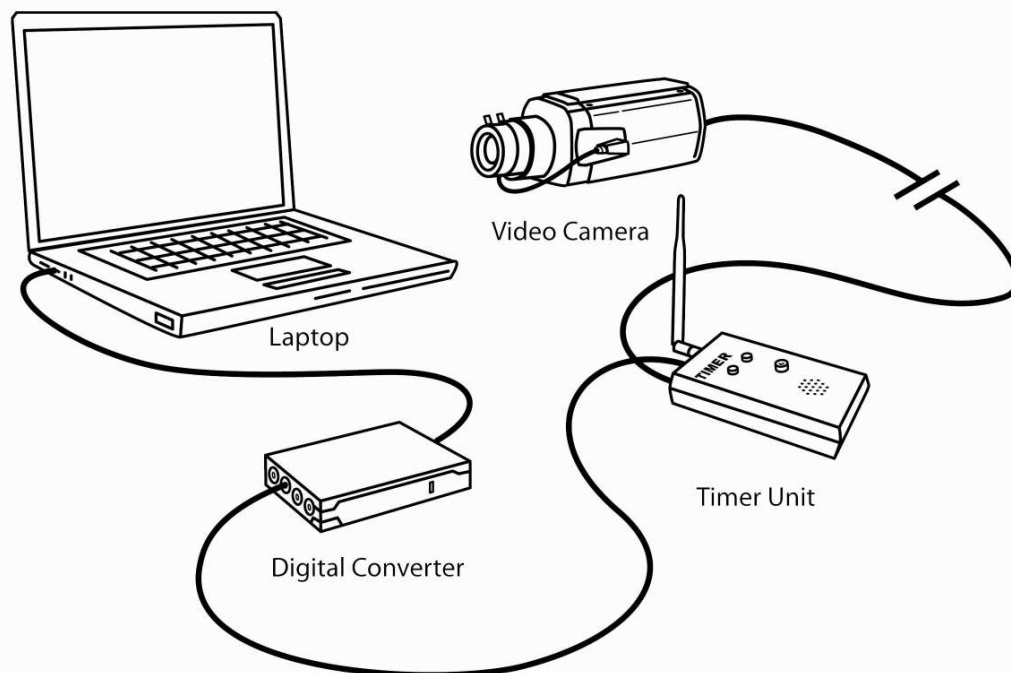
If the light is off, check the power supply to the digital converter. A red light indicates that you have power, but not a video signal. Check the cable connections.

4. Install and Run the FlashTiming application. If the application is already running, exit the application and restart. Click on the **Video Capture** button on the Main Screen. This will display the Capture screen with live feed from the camera.

B. Add the *FT-FAT* Timer Unit

Next, we'll add the FT-FAT timer unit into the system. The Pyro Bright Flash has three wires with a power supply, a female RCA connector and a male RCA connector on the ends.

1. Disconnect the plug and play cable from the digital converter. Insert the cable's Male RCA adaptor into the female RCA connector marked "from camera" on the FT-FAT timer unit.
2. Connect the digital converter to the FT-FAT with the RCA-to-RCA cable. Insert one end of the male RCA connector into the RCA connector on the FT-FAT radio unit marked "to digital converter" and the other end into yellow outlet on the digital converter marked "Video In".
3. Turn on the *FT-FAT* timer unit by pressing the green button. You should know see the live feed from the camera in the FlashTiming's capture screen. If you don't, select **Setup** from the main menu bar and then **Initialize Digital Converter**.



D. Test the Start Procedure.

1. Turn on the FT-FAT Starter Unit by pressing the green button. This will send a "Are you ready?" signal to the timer unit and the green lights will flash on both units.
2. Press the green button on the timer unit. This sends the "I'm ready" signal back to the starter and the green lights will turn solid on both units.
3. The race is now ready to start. For the next step you need to fire the starting pistol or simulate the start with either a loud sound or a vibration, such as tapping on the speaker holes or bumping the starter unit.
4. The red and green lights on both units will turn on when the start is detected. You'll see the race time appear on the capture screen. Press the red stop button on the timer unit to stop and reset the race clock.

D. Capture a Video

Our final step is to capture and playback a test video.

1. Click on the Configure button in the capture screen. Alternatively, select **Settings** and then **Configure** from the main menu bar. The configure dialogs appears.
2. Click on Set Video Capture Path and select a folder on your computer's hard drive to save your test video.
3. Select **None** for your **Meet Management Option** and click **Okay** to exit the configure dialog.
4. Repeat the Start Procedure and start a race.
5. Click the **Capture** button. This will start saving the video to computer's hard drive. You may want to have someone walk/run in front of the camera.
6. Click the **Stop** button. The **Select File Name** dialog appears. You may create a filename by selecting items from the menus or simply type a name in the text box at the bottom of the dialog. Click **Okay**. A standard Windows Save Dialog appears. Click Save.
You can stop the **FT-FAT** Timer by pressing the red button on the unit anytime after clicking the **Stop** button.
7. The filename will appear in the list of captured videos in the lower left of the capture screen. Select the filename and click on **Review Video**. This will take you to the Review screen with your newly saved video file loaded into the preview area.
8. Use the control buttons underneath the preview area to play your video. Navigate through your video with the track bar, the left and right keyboard arrows and the mouse scroll wheel.

You have just captured and reviewed your first video. Mostly likely, you will use multiple computers to run your meet. Refer to the manual on how to set up multiple computers, set up the capture folders and general direction on running your meets.

For questions or technical support, please email support@flashtiming.com. You may also call 971.998.2349 between 8:00 AM and 9:00 PM Pacific Standard Time.