
USER GUIDE

S.NAP'06®

V | 7.0



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Preface

Welcome to SNAP '06!

The SNAP '06 *User Guide* tells you how the software saves you time and money by providing a more intelligent way of synchronizing subject information with images right at the camera.

Structure of the Manual

This manual is organized by function. Operations are presented in order of probable use, but feel free to review the information in whatever manner you desire – even skip sections if the content is familiar.

Chapter 1 introduces the SNAP '06 System. It provides an overview of the hardware and software modules that together make one of the easiest to use digital camera interfaces available.

Chapter 2 walks you through the SNAP '06 installation process.

Chapter 3 shows you how to use SNAP '06 to synchronize information with images while taking pictures.

Chapter 4 provides troubleshooting information.

Questions and Comments

Copies of this manual can be obtained directly from Technical Products Group via phone request, mail request, or from our World Wide Web site at <http://www.tpgco.com>. To provide feedback on this manual or suggest improvements, please send e-mail to sales@tpgco.com.

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Introducing SNAP '06

SNAP '06 is a powerful new software application that combines very simple to use order entry with a camera interface that enables you to create orders during the picture-taking process.

Features

- Ideal for event, underclass, and senior portrait photography.
- Ideal for video proofing or situations where an immediate display of the image is useful for determining if retake is necessary.
- Supports entering Subject ID, Product/Package#, and Quantity data entry via keyboard, barcode scanner, touch-screen and mouse.
- Includes simple price schedule to show amount due for each order.
- As pictures are taken, the images are automatically copied from the camera to the computer's internal disc drive, renamed with the job#, sequence #, subject id, and optional package printing information in Kodak DP-2 format. The renamed images are also optionally saved to a flash memory card for use as "digital film" and as a backup. Using SNAP '06, every picture taken can be automatically backed up to 2 locations simultaneously, eliminating the possibility of losing images due to lost or damaged flash cards.
- Sequence#, Subject id and order information are automatically embedded into each image taken using standard EXIF tags. This permanently binds the information with the image eliminating the possibility that images are out of sequence with orders.
- As pictures are taken, a text file is created that links the job#, subject#, and order information with the image files. This file is commonly used to import orders into older systems that do not recognize the EXIF encoding mentioned above.
- Automatic disk space maintenance retains the maximum number of previous jobs within a predefined amount of your computer's storage space eliminating the need to manually purge old data. On a standard laptop, SNAP '06 can easily store more than 20,000 high resolution images.
- Advanced information recording of camera settings and computer settings simplify troubleshooting and performance analysis of multiple photographers, cameras, and computers.
- Designed to run on any computer running Microsoft Windows XP®.
- Supports all digital cameras having a Microsoft Windows Image Acquisition (WIA) Driver. All popular brands of camera including Canon, Nikon, Kodak, Fuji, and Sony ship with WIA Drivers.

SNAP '06 User Interface

SNAP '06 can be used in “stand-alone” mode without a camera attached to perform order entry. The process for entering orders is the same whether or not a digital camera is used with SNAP '06. The operator simply keys in the subject ID, and package/quantity information for each order. The sequence is optimized to reduce keystrokes and work well with barcode and keypad devices.

The Main Screen

The SNAP '06 Main Screen divided into three areas: The Order Entry frame, where you key in the Subject ID, Package #, and Quantity for each order, the Touch-Pad area that is used for touch-screen and/or mouse entry, and the Summary Grid where all orders for the job are displayed.

This is the main SNAP '06 screen in “stand-alone” mode with no camera connected. Subject, package, and quantity for each order are entered here in the Order Entry frame.

As orders are entered, they display in the Summary grid with the price total for the order.

A touchpad is available for rapid touch-screen and touchpad data entry. Special key assignments are used such that all data entry can be performed with a numeric keypad.

Subject	Order	Price	Folders	ImageId	File Name	File Status
1 12345	01-01	0.00	10002			File status

Camera: Not Connected
Folder: 10002
SequenceId: 2

Start Day End Day Pricing Setup

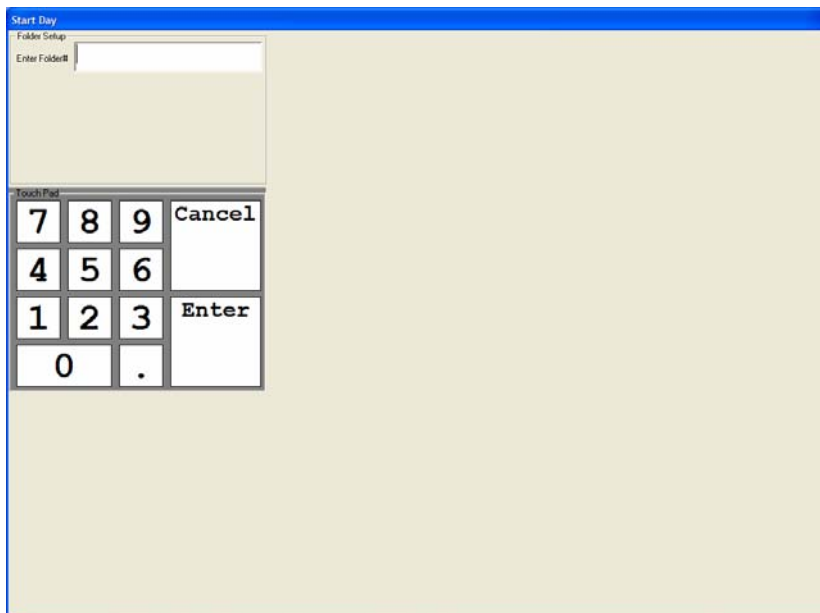
The current camera status, Job/Folder#, and Sequence # display below the Summary Grid. If a camera is not detected, the camera status will show “Not Connected.” Otherwise it will show the model number of the camera (i.e. Canon EOS 20D will display as “EOS 20D”).

There are four command buttons on the Main Screen:

1. **Start Day:** Use to create a new job folder. Each time a new job folder is created, the sequence number is reset to 1 for entering the first order for the job.
2. **End Day:** Use to close the program and automatically shut off the computer.
3. **Pricing:** Use to enter prices for each package/product offered for the job. SNAP '06 supports up to 99 package/products for each job.
4. **Setup:** Use to change programs options, manually copy jobs to removable media, exit the program to the Windows Operating System, and view diagnostic information. The Setup screens are password protected to prevent photographers from inadvertently making changes.

The Start Day Screen

Click on the “Start Day” button on the Main Screen to enter a new Job/Folder#. This is typically performed once at the start of the day’s shoot. Simply enter the job number or a unique folder number to be used to identify and track all of the orders and images for the day’s shoot. All of the orders and all of the images taken will be stored in a folder that is named with this number. Simply type the number and press [Enter] to start the day.



The screenshot shows a software window titled "Start Day". Inside the window, there is a menu bar with "Folder Setup". Below the menu bar is a text input field with the label "Enter Folder#". At the bottom of the window, there is a numeric keypad labeled "Touch Pad". The keypad has buttons for digits 0 through 9, a decimal point, and "Cancel" and "Enter" buttons.

The End Day Button

Click on the “End Day” button to shutdown the computer at the end of the day. Simply click on the button, then click on [Yes] to confirm the shutdown.

The Pricing Screen

Click on the “Pricing” button to enter prices for the product offering for the job. You can have up to 99 packages/products offered with each job. If pricing information is entered, the program will automatically compute the total price for each product purchased for each order entered and display it on the Main Screen. To enter prices, simply highlight a package, key in the dollar amount, then press or click [Enter]. The next package will automatically become selected for dollar entry. You can press [Enter] repeatedly to advance through the package list or use the mouse or touchpad to select packages manually.

The screenshot shows a window titled "Price Details". On the left is a numeric keypad with buttons for digits 0-9, a decimal point, and "Cancel" and "Enter" buttons. Below the keypad is an "Exit" button. On the right is a list of 30 packages, numbered 1 to 30. The "Price" column shows values for packages 1 and 2: 1.00 and 2.50. Package 3 is highlighted. The rest of the list is empty.

	Price
1	1.00
2	2.50
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	

Setup & Diagnostics

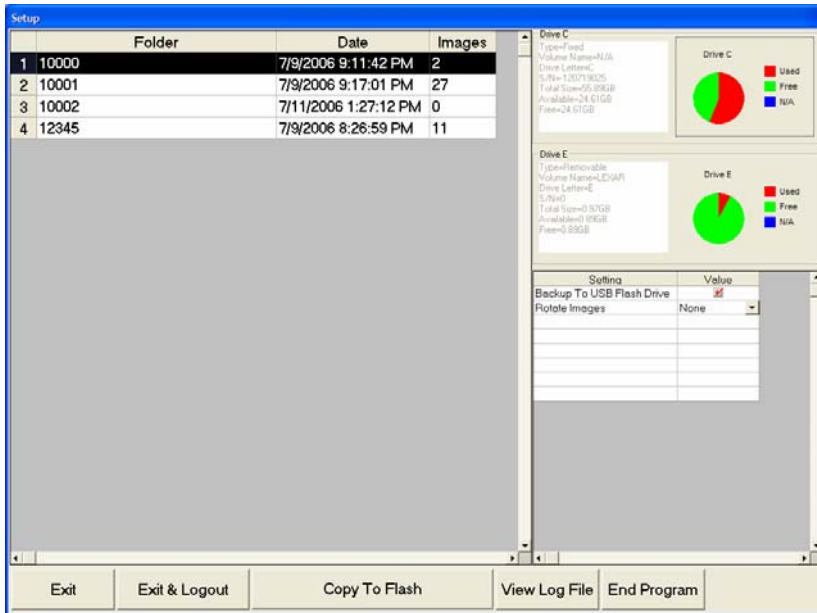
The following screens are used for Setup and Diagnostics and not required to perform order entry or sequencing of images.

The Setup Screen

Click on the “Setup” button to access the Setup Screen. The Setup Screen is password protected to prevent inadvertent configuration changes. Type the setup password (site configurable), then click or press [Enter] to access the setup screen.

The screenshot shows a window titled "Enter Password". Inside the window, there is a text input field at the top left. Below it is a numeric keypad with buttons for digits 0-9, a decimal point, and "Cancel" and "Enter" buttons. The keypad is labeled "Touch Pad" in its top-left corner. At the bottom left of the window is an "Exit" button. The background of the window is a light beige color.

The Setup screen is divided into three areas: The Job History Grid, the Drive Status Area, and the Program Settings Grid as shown below:



The Job History Grid shows all of the jobs currently stored on the computer's internal disc drive along with the date the job created and the number of images in the job folder. As the computer's internal disc drive fills up with images created in new jobs, the oldest jobs are deleted to make available room. It is possible to manually copy entire jobs to USB Flash Drive simply by clicking on a job in the grid and then clicking on the "Copy To Flash" button. The program automatically ensures there is enough room for the files on the removable media prior to starting the copy and verifies the files as they are copied.

The Drive Status area shows the amount of free space available and operational status of the internal disc drive and one USB Flash Drive.

The Program Settings Grid is used to program settings such as whether or not the USB Flash Drive is used for backup, image rotation, etc.

The following command buttons are available on the Setup Screen:

1. Exit: Use to exit the Setup Screen. The program will remember that you were signed in with a password and will not prompt for it again.
2. Exit & Logout: Use to exit and log out of the Setup Screen. The program will prompt for password the next time the Setup button is clicked on the Main Screen.
3. Copy To Flash: Use to copy the currently selected job to USB Flash Drive.
4. View Log File: Use to view diagnostics information.
5. End Program: Use to shutdown the program and return control to the Microsoft Windows Operating System.

The View Log File Screen

Click on the “View Log File” button on the Setup Screen to access the Log File. This should only be necessary for troubleshooting the program with TPG Technical Support in situations where new or un-tested equipment is being used or where hardware failures such as damaged disc drives are preventing the system from operating correctly. The Log File records the time, type, and description of a wide-variety of events including:

1. When cameras are connected and disconnected.
2. When USB Flash Drives are connected and disconnected.
3. When read and disc write errors occur.
4. When image properties appear to be irregular.
5. When system resources are running low are in an abnormal state.

Log File						
	Time	Timer	Type	Event	Statistic	Value
1	7/12/2006 3:04:37 PM	01	Info	Program Started S/A/V Version: 1.0.55	1 Download Time	
2	7/12/2006 3:04:38 PM	89	Info	ReadSpreadsheet: Read SetupSpread From C:\SNAP06\Settings\Setup.txt, 8 re	2 Filter Time	
3	7/12/2006 3:04:39 PM	12	Info	ReadSpreadsheet: Read StatusSpread From C:\SNAP06\Settings\StatusFile.txt,	3 Display Time	
4	7/12/2006 3:04:39 PM	19	Info	ReadSpreadsheet: Read SummarySpread From C:\SNAP06\12345\Settings\12345,	4 Save Time	
5	7/12/2006 3:04:39 PM	26	Info	ReadSpreadsheet: Read PiccSpread From C:\SNAP06\12345\Settings\12345,	5 Total Capture Time	

The only option available on the Log File Screen is the [Exit] button. Click the [Exit] button to return to the Setup Screen.

2

SNAP '06 Installation

The SNAP '06 software is shipped complete on a single compact disk and the application is very simple to install. Simply follow the step-by-step instructions in this chapter to get up and running! NOTE: If you purchased SNAP '06 pre-installed on a TPG SNAP Laptop, you can skip this section.

Running Setup

To install the SNAP '06 application, simply insert the SNAP '06 CD-ROM into your CD-ROM Drive and run the SETUP.EXE program. Simply follow the on-screen instructions to complete the installation. There are no options available during installation.

Install Camera Drivers

Please follow the instructions provided with your camera to install the Microsoft Windows® Drivers. In most cases, this is accomplished by running a Setup program provided on a CD-ROM with the camera.

3

Using SNAP '06

This chapter explains how to use the SNAP '06 application. It covers everything from starting the program using the Windows Start menu to connecting your camera and performing order entry during the picture taking process. Please read this entire chapter thoroughly prior to using the SNAP '06 software.

Things You Should Already Be Familiar With

This chapter assumes that you already familiar with using Microsoft Windows XP®. This includes starting applications and basic window navigation.

This manual is not intended to provide a reference or tutorial for the Microsoft Windows or Office products. For more information on those products, please refer to the Microsoft user documentation and the Microsoft World-Wide-Web site (<http://www.microsoft.com>). Training on all Microsoft Windows and Office products is available world-wide through Microsoft Solution Providers and Microsoft Education Partners. Please contact Microsoft for more information on available training options.

Starting SNAP '06

Connect your camera to the USB Port on the computer prior to taking pictures! It is a good practice to plug the camera in to the computer prior to turning the power on to avoid accidentally taking pictures while disconnected.

If you purchased SNAP '06 on a TPG SNAP Laptop, the program will start automatically and the instructions in this section do not apply.

To start the SNAP '06 application, select the program name from the Programs menu, which is located under the Start menu. (Start\Programs\Technical Products Group\SNAP).

Take Pictures!

Using SNAP '06 is very simple. When you start SNAP '06, the Main Screen will display. Here is the process for entering orders and taking pictures:

1. Click on the [Start Day] button to enter the Job/Folder# to use for the day's shoot. Simply enter the number on the Start Day Screen and then press [Enter] to get started.
2. Click on the [Pricing] button to enter product pricing for the job. Click [Exit] to return to the Main Screen when completed.
3. Type or scan the Subject ID for the first subject to be photographed then press [Enter]. NOTE: If using a barcode scanner to enter Subject ID you may not have to press [Enter], the program will advance to the Package# field immediately upon scan.
4. Type the first products ordered, then press [Enter].
5. Type the quantity for the first product ordered, then press [Enter]. Note: If the Quantity is 1, you can simply press [Enter] and the quantity of 1 is assumed.
6. Repeat steps 3 & 4 for each product ordered. Note: You can correct mistakes by simply re-typing a product number and quantity. For example, if you mistakenly assign a quantity of 5 to Product #3, you can simply type 3 [Enter], then the correct quantity [Enter] to make a correction. You can delete a product from the list by entering a quantity of 0.
7. Pose the subject and take the picture. The picture will automatically download the computer and display on the "Camera" tab. To retake the picture of the subject, simply enter or scan the Subject ID and take another picture.
8. Repeat steps 3 through 7 for all of the subjects to be photographed.

NOTE: If a camera is attached to the computer, the program will operate in "Photograph" mode. In this mode, a picture must be taken to proceed to the next subject making it impossible to get out of sequence with the camera.

If the camera is not connected, the program will operate in "stand-alone" mode. In this mode, you can simply press [Enter] for a Package/Product code to complete the current order and proceed with the next subject.

SNAP '06 System Requirements

Hardware Requirements

Processor: Intel or AMD 1.5 GHz Minimum
Memory: 256MB Minimum, 512MB Recommended
Data Bus Speed 400MHz Frontside Bus Minimum
Display Resolution 1280 x 800 at 32-bit (16.7M colors)
3 USB 3.0 Connectors (Camera, USB Flash Drive, Scanner)
20GB Available Disk Space for Images.

Software Requirements

Operating System: Microsoft Windows XP Home or Professional Edition
Microsoft Windows Image Acquisition (WIA) Compatible Camera.

Supported Cameras

Canon EOS 20D
Canon EOS D60

SNAP '06 Laptop Specifications



Processor Intel Mobile Celeron 370 1.5 GHz
Operating System Microsoft Windows XP Home Edition
Level 1 Cache 64KB Level 1 Cache
Level 2 Cache 1MB Level 2 Cache
Data Bus Speed 400MHz Frontside Bus
Max RAM Supported 2GB PC-2700 DDR RAM max
Memory Slots (2) 200-pin SO-DIMM Slots
Hard Drive UltraDMA ATA/100 Hard Drive
DVD/CD-RW Drive Combo CDR/DVD; 24x CD-ROM, 24x CD-R, 24x CD-RW, 8x DVD-RO
DVD +/- Dual Layer Drive DVD +/- Dual Layer; 8x DVD-R, 4x DVD-RW, 8x DVD+R, 4x DVD+R
DVD+R DL
Display Type 15" XGA Active Matrix Display
Video Card Integrated SiS Real256E Video Chipset
Video Memory Installed Up to 64MB of Shared Memory
Internal Max Resolution 1280 x 800 at 32-bit (16.7M colors); 16:10 aspect ratio
Sound Card AC '97 v2.2 compliant
Sound Output Mode 16bit Sound Blaster Pro Compatible with S/PDIF 5.1 Audio
Audio Input Integrated Mono Microphone
Modem / Communications Device Integrated 56K V.90 Fax/Modem Adapter
Data / Fax Transfer Rate 56Kbps Data / 14.4Kbps Fax
Network Features Integrated 10/100 Fast Ethernet Network Adapter
Wireless Network Features Integrated Mini-PCI 802.11b/g on V412 and V415
Ports and Connectors 1-VGA 15-pin Port; 4-USB 2.0 Type "A" Ports; 1-Modem RJ-11 Port
Network RJ-45 Port; 1-Microphone Port; 1-Headphone/Line Out Por
(Supports S/PDIF Out); 1-SVideo Out Port; AC Power Input; Kensington
Lock Slot
Expansion Slots None
Built-In Devices Stereo Speakers
Input Devices Keyboard, Touchpad
Power Supply Universal AC Adapter
Battery Included 6 Cell Rechargeable Lithium-Ion Battery
Average Run Time 2+ hours with power management enabled
Included Software NTI CD/DVD v6, WinDVD v5
Dimensions (WxDxH) 13.97" x 10.74" x 1.57"
Weight 6.25 lbs
Manufacturer Warranty 1 Year Limited Warranty