



35mm *Slides Negatives and Photos*
Digital Image Converter

SNaP

USER MANUAL

Version 1.1

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Introduction

Thank you for purchasing the Wolverine 35mm Slides, Negatives and Photo (SNaP) digital image converter. The Wolverine SNaP features a built-in color screen, internal memory and memory card reader to convert 35mm film and photos into digital images without a computer. Place film or photo into an appropriate holder, insert the holder tray into the SNaP and with a push of a button your media is converted into a 10 Mega Pixel (interpolated) JPEG digital image. The Wolverine SNaP can be hooked up via USB port to Windows PCs (ME/XP/Vista/7) or Mac computer systems to offload saved digital images without installing any drivers or software (plug-and-play).

Before Using the SNaP Converter

This section provides important safety information that you should read before using your SNaP Converter.

- Do not drop or handle too aggressively as it may cause damage to the device.
- Do not allow the device to come into contact with water or other liquids. In the event that water or other liquids enters the interior, immediately turn off the device. Continued use of the device may result in fire or electrical shock.
- Do not handle the device with wet hands. Doing so may cause electrical shock and damages to the unit.
- Do not place the device close to any equipment generating strong electromagnetic fields. Exposure to strong magnetic fields may cause malfunction or data corruption.
- Do not expose the device to extreme temperatures, humidity or vibrations, which may cause damage to the device.
- Do not open the outer casing. This unit does not require or have batteries.
- Do not move or disconnect the device from the computer while the device is reading/writing data. This may cause damage to the data and/or the device.
- Under no circumstances should the user try to repair the device. Doing so may cause electrical shock and void the warranty.

- Photos, Slides and Negatives media **MUST** be placed in their proper holder tray before inserting them into the SNaP digital converter. Inserting media without using proper holder will result in loosing media inside the unit where removal is **NOT** covered under warranty and may VOID product WARRANTY.
- Warranty will be void if the device is mishandled. Please take care in handling the SNaP. Wolverine Data is not responsible for consequential damages, including loss of data. Always back up all data. For full warranty statement see the end of this manual.
- Wolverine Data has no obligation to repair, replace or issue refunds without a Return Merchandise Authorization (RMA) number and the original purchase receipt of the defective product.
- Repairs or replacement service will not be offered to Products that were misused, repaired without authorization, or by other reasons beyond the range of intended use.
- Products replacement may be either new or refurbished, provided that it has functionality at least equal to that of the product being replaced.
- Wolverine Data is not responsible for any data stored on the returned Product, please backup any data prior to shipping the unit.
- All **OUT OF WARRANTY** repairs maybe subject to repair fee. Please contact your dealer or Wolverine Data for current charges.

Having Difficulty Using This Product?

Please try the following options:

- Call us at 949-458-9888 M-F 9:00-5:00 Pacific Time
- Visit www.wolverinedata.com/support to find the latest documentation and other help tips
- E-mail or write to our technical support staff at support@wolverinedata.com or our address:
9939 Muirlands Blvd.
Irvine, CA 92618

Contents Description

1. SNaP Converter
2. Photo Holder holds 5" x 7" photo
3. Photo Holder holds 4" x 6" photo
4. Photo Holder holds 3" x 5" photo
5. Negative Holder Tray
6. Slide Holder Tray
7. USB Cable
8. Power Adapter
9. User Manual
10. SD Memory Card - Optional



Fig 1

Please call us at 949-458-9888 or visit www.wolverinedata.com to order extra or optional accessory parts.

Getting Started

1. Attach Power


Plug in USB cable to the included power adapter to a wall outlet or directly to a computer USB port.



2. Use Built-in 16 MB Memory

The SNaP Converter includes a 16MB built-in memory that can store up to 10 digital images. A reminding icon "No card" will flash on Viewer.

3. Use Optional SD Memory Card

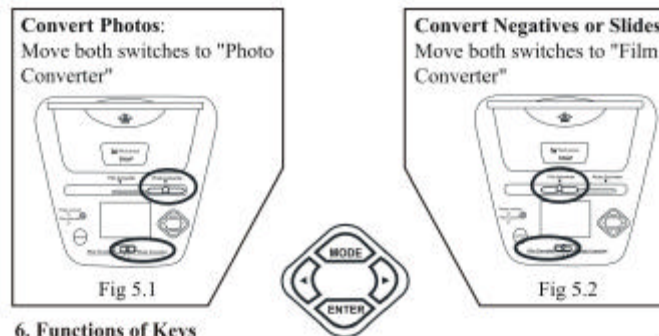
To save images directly onto the SD card, insert the SD card before power on the SNaP. SNaP is compatible with any capacity SD or SDHC type of memory cards. Each 1 Gigabyte of SD memory holds between 500-700 digital images. Unlock SD card (white tab in upward position) or you'll see a yellow Card Locked icon  on the Viewer. Ensure SD card is oriented gold finger facing down. Improper insertion may damage the card reader or the SD Card, which neither is covered under warranty.

4. Turn SNaP Converter On/Off





Press and hold power button  for 1-2 seconds to turn SNaP on/off.

5. Move Both Switches to Film Converter or Photo Converter

Before converting film or photos into digital images, move the two switches to its Converter position. See Fig 5.1 and 5.2.



6. Functions of Keys

- Arrow keys   : 1. To highlight the selection
2. To mirror/flip image in "Capture" mode
- ENTER key  : To confirm the selection
- MODE key  : To go back to Home menu/Mode menu

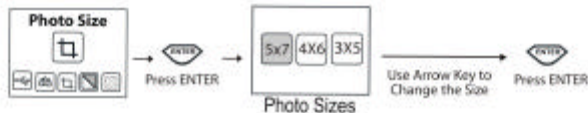
7. Convert Photos to Digital Images

SNaP has 7 modes available under Photo Converter home menu.

- **Photo Size** - To set photo size in 5X7, or 4X6, or 3X5
- **Effect** - To set color effect to Multicolor (default) or B&W
- **Resolution** - To set resolution in 10 Mega Pixel (interpolated) JPEG digital images
- **Capture** - To start converting a photo
- **Playback** - To review the converted images
- **USB MSDC** - To upload converted files to a computer
- **Language** - To set menu in different languages

Steps to Convert Photos to Digital Images:

1. Ensure both switches are in **Photo Converter** position. See Fig 5.1, page 4.
2. Press **ENTER**.
3. Use **Right Arrow** key to highlight photo size, 5X7 or 4X6 or 3X5, then press **ENTER**.



4. **Optional step:** Press **MODE** key, use **ARROW** key to change other mode settings then press **ENTER** key.
5. Use a fine cloth to clean photo. Place photo into a proper holder then insert the Photo holder into Photo Slot (Fig 5).
Warning: Neglect using photo holder may cause losing photo inside the SNaP housing. Placing a non-standard size photo in tray may cause black area on image.



Fig 5

6. **Edit orientation: Optional step** (Fig 6)
Press **Right Arrow** key to mirror the image left to right or press **Left Arrow** key to flip the image upside down. If rotating is needed, use **Playback** mode to rotate image later, see Fig 5, page 7.

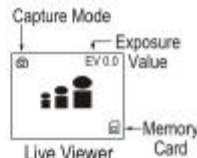


Fig 6

7. **Edit brightness: Optional step** (Fig 6)
Press **ENTER** key to change **EV** (Exposure Value/Brightness). Positive (+) means brighter; negative (-) means darker. Use **Arrow** keys to adjust the EV value then press **ENTER** key.
8. Press **CONVERT** button to convert image.
9. Press **ENTER** key to **Save** the image to SD card.
10. Remove the holder and go back to step 5 to continue the next convert. Or use **Arrow** key to highlight **Cancel** or go to **Home** icon then press **ENTER**.

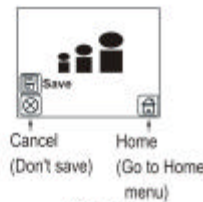


Fig 10

8. Convert Negatives or Slides to Digital Images

SNaP has 6 modes available under home menu.

- **Film Type** - To select film type (Negative, Slide, or B&W)
- **Resolution** - To set resolution in 10 Mega Pixel (interpolated) JPEG digital images
- **Capture** - To start converting the film
- **Playback** - To review the converted images
- **USB MSDC** - To upload converted files to a computer
- **Language** - To set menu in different languages

Steps to Convert Negatives or Slides to Digital Images:

1. Ensure both switches are in **Film Converter** position. See Fig 5.2, page 4.
2. Press **ENTER**.
3. Use **Right Arrow** key to highlight the correct film type, Negatives, Slides, or B&W then press **ENTER**.



4. **Optional step:** Press **MODE** key, use **ARROW** key to change other mode settings then press **ENTER** key.
5. Place film (shiny side face up) into proper film holder tray. See Fig 1, item 5 and 6 on page 3. Use a fine cloth to clean the film before putting them in the film holder tray. Ensure the **"Film Type"** setting is correct or you will see a x-ray-like image on the Viewer.
Warning: Place non-standard size film in tray may cause losing the film inside the SNaP housing or may have black areas on image.

6. Insert film tray into SNaP's **right side opening** and push tray from right to left. Inserting or pushing tray from left side opening may damage the unit.



7. **Edit orientation: Optional step** (Fig 7)

Press **Right Arrow** key to mirror the image left to right or press **Left Arrow** key to flip the image upside down. If rotate is needed, use Playback mode to rotate image later, see Fig 5, page 7.

8. **Edit Brightness: Optional step** (Fig 7)

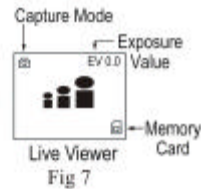
Press **ENTER** key to change **EV** (Exposure Value/Brightness). Positive (+) means brighter; negative (-) means darker. Use **Arrow** keys to adjust the EV value then press **ENTER** to select.

9. Press **CONVERT** button.

10. Press **ENTER** key to **Save** the converted image.

11. Push the film tray forward and go back to step 7 to continue the next convert. Or use Left or Right **Arrow** key to highlight **Cancel** (don't save) or **Home** icon and press **ENTER** (Fig 11).

*Note: "FULL" icon on Viewer means the memory is full.



9. **Playback and Edit Image Files**

- Optional step: Press **MODE** key to go to Home menu.
- Press **Right Arrow** key to highlight "**Playback**".
- Press **ENTER** and wait 4 seconds for an auto slide show, with 2 seconds interval, will play on the Viewer (Fig 3).
- Press **ENTER** key to pause slide show (Fig 4).



- Press **ENTER** key to go to **Edit** menu or
- Use **Arrow** key to playback image forward or backward manually then press **ENTER** to go to **Edit** menu.
- Use **Arrow** key to highlight Edit icons then press **ENTER** (Fig 5). Save the edited image if the **Rotate** is completed.

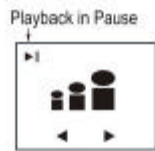
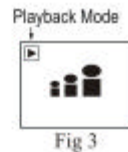
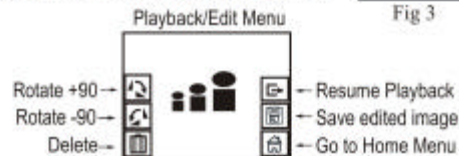


Fig 4



7

Fig 5

10. **Connect SNaP to Computer for Uploading Images**

Steps to Connect SNaP to a Computer:

- Plug in USB cable to the SNaP and a USB port on the computer.
- Insert SD card if not using internal memory.
- Turn SNaP on.
- Use **ARROW** key to select "USB MSDC". See Fig 4 below.
- Press **ENTER** key. See Fig 5 below.



Fig 4



Fig 5

11. **Upload Images to Windows (ME/XP/Vista/7) PC**

Once the USB mode is activated, the computer will recognize SNaP's internal memory, or SD card, as a **Removable Drive**. Follow the computer Autoplay options to copy the images to a folder or access the Removable Drive from under "My Computer" or "Computer". Copy and paste or drag and drop image files to a location on your computer's hard drive. Images on the SNaP are saved under the folder **DCIM/100COACH** with sequential alpha numerical file names of PICT0001.JPG, PICT0002.JPG etc.

12. **Upload Images to an Apple Computer**

Once the USB mode is activated, the SNaP's internal memory or SD card will show up as a new Drive on the Desktop or defaults to importing images into iPhoto.

13. **Delete Images from the Internal Memory or the SD Card for a PC**

Access the Removable Drive from under "My Computer" or "Computer" and delete the individual images from the folder **DCIM/100COACH** or delete the folder DCIM to delete all images at once. Drag and drop the DCIM folder in the Recycle Bin. Reformatting the Removable Drive is another option that can be used to empty the entire content of the internal memory or SD card.

14. Delete Images from the internal memory or the SD card for an Apple Macintosh Computer

Double click on the Removable Drive on the Desktop to access SNaP. To delete individual images by drag-and-drop images from **DCIM/100COACH** folder to the Trash Bin or to delete all contents drag and drop the DCIM folder in the Trash Bin.

Technical Support

For technical support, warranty service, or repair service, please contact Wolverine Data at Support@wolverinedata.com or call 949-458-9888 M-F 9:00 - 5:00 at Pacific Time

Specifications

Lens: F/3.6, f=4.83

Sensor: 5.1 mega mega pixels CMOS sensor

LCD:2.4 inch LTPS LCD Display

External memory: SD/MMC/MS/XD/MS-PRO card

Exposure: Auto

Color balance: Auto

Scan high resolution: 3,600 dpi interpolation resolution

Data conversion: 12 bits per color channel

Scan method: Single pass

Light source: 7 X 2 white LED/backlight (3 white LED)

Power: Powered from USB/5V adapter

Interface: USB 2.0

Dimension: 220 x 208 x 147 mm

Weight: 1200 g

Language: English, French, German, Italian, Spanish, Traditional Chinese, Simplified Chinese, Japanese

Caution

This device complies with part 15 of the FCC Rules.

Changes of modifications not expressly approved by Wolverine Data could void the user's authority to operate the equipment.

One-Year Limited Warranty (United States Only)

Wolverine Data manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. Wolverine Data warrants that the hardware products it manufactures will be free from defects in materials and workmanship. The limited warranty term is one year beginning on the date of invoice, as further described in the following text.

Damage due to shipping the product to you is covered under this limited warranty. Otherwise, this limited warranty does not cover damage due to external causes, including accident, abuse, misuse, problems with electrical power, servicing not authorized by Wolverine Data, usage not in accordance with product instructions, failure to perform required preventive maintenance, and problems caused by use of parts and components not supplied by Wolverine Data.

The warranty extends only to the first consumer purchaser, and is not transferable. This limited warranty does not cover any items that are in one or more of the following categories: software; external devices (except as specifically noted); accessories or parts added to a Wolverine Data system after the system is shipped from Wolverine Data or its resellers; accessories or parts that are not installed in the Wolverine Data factory.

During the one-year period, beginning on the invoice date, Wolverine Data will repair or replace products returned to Wolverine Data's facility.

To request limited warranty service, you must contact Wolverine Data's Technical Support Services within the limited warranty period. Refer to the section titled TECHNICAL SUPPORT to find the appropriate telephone number for obtaining customer assistance. If limited warranty service is required, Wolverine Data will issue a RMA (Return Material Authorization) Number. You must ship the products back to Wolverine Data in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. Wolverine Data will ship the repaired or replacement products to you freight prepaid if you use an address in the continental United States, where applicable. Shipments to other locations will be made freight collect.

To obtain service, you must include: (a) a copy of your receipt or other comparable proof of purchase; (b) a written description of the problem; (c) your address and telephone number; (d) Write the RMA number on the outside shipping packaging.

NOTE: Wolverine Data uses new and reconditioned parts made by various manufacturers in performing limited warranty repairs and building replacement products. If Wolverine Data repairs or replaces a product, its limited warranty term is not extended.

Warranty Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Abuse and Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the products or accessories for commercial purposes or subjecting the product or accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Wolverine Data, are excluded from coverage.

Use of Non-SNaP Converter's accessories. Defects or damage that results from the use of Non-SNaP Converter's accessories or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, instillation, maintenance, alteration, or modification in any way by someone other than Wolverine Data are excluded from coverage.

Altered Products. Product or accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Wolverine Data parts or accessories, are excluded from coverage.

Other Limitations

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. OTHERWISE THE REPAIR, REPLACEMENT OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL WOLVERINE DATA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATION WITH THE ABILITY OR INABILITY TO USE THE PRODUCT, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW. SOME STATES (OR JURISDICTIONS) DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.

Thank you for choosing Wolverine!

Having difficulty using this product?

Please try the following options:

- Call us at **949-458-9888** M-F 9:00-5:00 Pacific Time
- E-mail our technical support staff at support@wolverinedata.com

Quick Start

1. Attach power (pg 3).
2. Insert optional SD memory card (pg 3).
3. Turn SNaP Converter on (pg 4).
4. Convert photos: (pg 5)
 1. Move **BOTH** switches to Photo Converter (Fig 5.1, pg 4).
 2. Press **ENTER** to select photo size.
 3. Press **ARROW** keys to select photo size (5x7, 4x6, 3x5).
 4. Press **ENTER** to confirm the selection.
 5. Place photo into proper holder then insert into photo slot.
 6. Edit orientation and brightness - **Optional** step (pg 5).
 7. Press **CONVERT**.
 8. Press **ENTER** to save image
 9. Remove the photo holder and go back to **step 5**.
5. Convert film: (pg 6, 7)
 1. Move **BOTH** switches to Film Converter (Fig 5.2, pg 4).
 2. Press **ENTER** to select film type.
 3. Press **ARROW** keys to select film (Negative, Slide, B&W).
 4. Press **ENTER** to confirm the selection.
 5. Place film into proper tray, insert it into right side film tray slot.
 6. Edit orientation and brightness - **Optional** step (pg 7).
 7. Press **CONVERT**.
 8. Press **ENTER** to save image
 9. Push film tray forward and go back to **step 6**.