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Welcome
Thank you for purchasing the Veho VFS-004 Scanner. Please take a moment to read through this manual. Its contents will help you to use your scanner to its full capabilities.

1. Precaution

Before using the VFS-004 scanner, please ensure that you read and understand the safety precautions described below. Always ensure that the scanner is operated correctly.

• Never operate the VFS-004 inside of an aircraft or anywhere else where operation of such devices is restricted. Improper use creates the risk of a serious accident.

• Do not try to open the case of VFS-004 scanner or attempt to modify the VFS-004 scanner in any way. High-voltage internal components create the risk of electric shock when exposed. Maintenance and repairs should be performed only by authorised service providers.

• Keep the VFS-004 scanner away from water and other liquids. Do not use the VFS-004 scanner with wet hands. Never use the VFS-004 scanner in the rain or snow. Moisture creates the danger of fire and electric shock.

• Keep the VFS-004 scanner and its accessories out of the reach of children and animals to prevent accidents or damage to the scanner.
• If you notice smoke or a strange odor coming from the VFS-004 scanner, turn the power off immediately. Take the VFS-004 scanner to the nearest authorised service centre for repair. Never attempt to repair the VFS-004 scanner on your own.

• Use only the recommended power accessories. Use of power sources not expressly recommended for the VFS-004 scanner may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards.

• The VFS-004 scanner may become slightly warm during use. This does not indicate malfunction.

• If the exterior of the VFS-004 scanner needs cleaning, wipe it with a soft, dry cloth.
FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more the following suggestion.

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to a different power outlet other than the one where the receiver is connected.
- Consult an experienced television or radio technician for help.

CAUTION

To comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules, this device must only be installed on computer equipment certified to comply with the Class B limits.
2. Preparation

Standard Accessories

- VFS-004 scanner
- Manual
- CD
- Positive Slide Holder
- Negative Film Holder
- Cleaning brush
Part Names

Copy Button
Power LED
USB Cable
Film / Slide Holder Slot
Brush
Slide Holder
Film Holder

Note: We strongly suggest using a clean, dry, non-alcohol cotton swab to insert into the image copier slot and clean the glass surface periodically to produce a clear image. Please make sure your film negatives/mounted slides and cover trays are clean before inserting into the copier as well. Dust or dirt from the negatives and cover trays will affect the quality of your scanned images.
3. Install the Driver and Software

To use the VFS-004 scanner you must install the VFS-004 scanner driver and ArcSoft PhotoImpression 6 in advance.

Installing the driver
1. Turn on the computer.
2. Insert the installation CD into the CD-ROM drive and the installation CD menu will appear.
3. When you see the following screen, choose “Scanner Driver”.

4. Follow the on-screen instructions to install driver.
   Under XP OS
   - Click “Next”
   - Click “Install”
   - Click “Finish”
Under Vista OS
- Click “Next”
- Click “Install”
- Click “Finish”
- Select “Locate and install driver software
(recommended)”

Installing the Software
1. Insert the installation CD into the CD-ROM drive and the installation CD menu should appear.
2. When you see the following screen, choose “ArcSoft Software Suite” to install the software.
3. Follow the on-screen instructions.
4. Setup MicroSoft DirectX 9.0
5. The installed software will automatically create a PhotoImpression 6 logo on your desktop.
6. Restart the computer.
4. Place Film/Slide Into The Holder

1. Open the negative/positive slide holder as illustrated.

2. Put a negative film/positive slide into holder as shown.

3. Close the holder and please make sure the holder is closed properly.
5. Connecting the VFS-004 scanner
For first time users, do NOT plug the image copier into computer while the holder is inserted in the image copier. Please remove the film/slide holder before connecting to the computer, and click “calibrate” button to perform calibration the first time the image copier is used.

1. Plug the USB cable of the scanner to the computer properly. Once connected the power LED light will be blue.
2. Insert the loaded film/slide holder properly into the slot as shown.

(Insert through front entrance)

3. Click on the PhotoImpression 6 icon on the desktop and you will see the following.
4. Click “Get Photo” and choose “Acquire from Scanner”.

5. Verify selected device is “OVT Scanner” and select the location to save your pictures. Click “Acquire”.

Please note that if you want to scan black and white film, choose “B&W Negative” film type.
There are two formats JPG or TIF for setting.

There are four quality levels (Highest/High/Normal/Low) for selection in JPG format.

6. You can adjust the location of the film by moving the film holder; the film holder can be moved in both directions.

(Insert through rear entrance)
7. Click “Snapshot” on the screen or press the COPY button on the scanner. A green frame will indicate the selected pictures in the preview area; the maximum is 12 pictures in the preview area. If there are more than 12 pictures scanned, the 13th pictures will overwrite the 1st picture. If you want to save one or more pictures, press the Shift key to continue selecting pictures or the CTRL key to select a single picture.

If you would like to adjust color and brightness, please press “Color/Brightness Adjustment” button by pressing the plus and minus buttons before clicking “snap shot” or press the copy button.

8. Press the “Transfer” button to transfer or save

**Note1:**
To ensure the best image quality, please allow about 5 seconds between snapshots and transfers for white balance enhancement.

**Note2:** Please do not minimize the window of scanning screen after transferring the pictures. If you want to see the scanned pictures, click EXIT and you will see the picture you scanned before.

**Note3:** Please “REMOVE” any version of your Photolmpression 6 before install this new one.

**Note4:** Ensure that you calibrate for the first time you use your VFS-004 scanner.
6. Edit The Pictures

First, click on the picture to select, and then use ArcSoft tools to edit the pictures as you like.

Edit

Photo Editing Tools

The Photo Editing Tools module includes a complete set of photo enhancement, editing and retouching controls. The windows can be stretched to provide a large size view of the active photo. Double click the module’s tool bar to maximize the window to fill the computer screen. In addition to the large photo workspace, the Photo Editing Tools module includes five distinct sets of controls:

1. Adjust
   1.1 Enhance

The Enhance feature includes two types of controls:

- Auto Enhance
  Click the “Auto Enhance” button to improve the overall quality of your pictures with a single click.
- Manual Fix
  For precise image enhancement control, adjust the brightness, contrast and sharpen sliders.

How to enhance a photo manually:
1. Move the sliders to adjust the level of brightness, contrast, saturation, hue and sharpen for adjustment.
2. Use the zoom slider to get a closer look at how the adjustment affects the photo.
3. Click “Apply” if you like the result. Click “Cancel” if you do not.
1.2 Color
This feature is designed to fix digital photos that have unnatural color or appear too dark. It's also great for fixing scanned versions of old prints that have faded or whose colors have changed after many years.

How to fix the color of a photo:
1. Drag the color balance sliders to make the photo color appear more natural. Add red or yellow to make the photo warmer. Add blue or green to make the photo cooler.
2. Drag the Lighter/Darker slider to the left to reveal details hidden in a dark photo or to the right to make a faded photo look new again.
3. Click “Apply” if you like the result. Click “Cancel” if you do not.

1.3 Red-Eye
This feature makes it easy for you to fix red-eye – a common problem in flash photography.
There are two ways to fix red-eye:
- Auto Fix
  1. Simply click the “Fix Red-Eye” button to automatically find and fix all red-eye.
  2. If not all of the red eye is fixed, use the “Click to Fix” method.
- Manual Fix
  1. Use the zoom slider on the toolbar to zoom in on the photo.
2. Drag the small white box inside the zoom navigator to move over a red eye.
3. Place your cursor directly over the red eye and click.
4. Repeat the process until all the red eyes are fixed.
5. Click “Undo” if you make a mistake or don’t like the result.

1.4 Crop
This feature enables you to trim photos for a dramatic effect or cut off the distracting parts of a picture.

How to use the crop function:
1. Choose the crop orientation (portrait or landscape).
2. Select a fixed proportion for the crop rectangle (4:6, 5:7, 8:10) or choose “Custom” if you want to use a different proportion.
3. Resize the crop rectangle by clicking and dragging the red lines.
4. Move the crop rectangle into position by clicking and dragging inside the red box.
5. Click “Crop”. The area inside the rectangle will be kept, the area outside will be trimmed away.
6. Click “Undo” if you make a mistake or don’t like the result.

1.5 Straighten
This feature enables you to fix photos that appear to be tilted.
How to use Straighten:

1. Move the slider (or click the rotate buttons) until the photo appears straight.
2. Use the superimposed grid lines for vertical and horizontal reference.
3. Click “Apply” if you like the result. Click “Cancel” if you do not.

1.6 Blur Background
This feature can be used in a subtle way – to tone down un-important background details, or for dramatic effect – by making the main subject of a photo “pop out” of the picture.

How to use the Blur Background function:
1. With your cursor, trace a line around the person or object you want to stand out. When you release the mouse button, the area outside the traced line will become slightly blurred.
2. Drag the first slider to make the transition between the blurred and non-blurred area sharp or smooth.
3. Drag the second slider to increase or decrease the amount of blur.
4. Click “Apply” if you like the result. Click “Cancel” if you do not.

Saving Your Results
When you’re done editing a photo, click “Save as” to save your results. You can choose to overwrite the original file or save a new one.
Click “Close” to exit the Photo Editing Module.
2. Retouch

2.1 Healing Brush
The Healing Brush is good for fixing dust, scratches and removing skin blemishes.

How to use the Healing Brush to fix a skin blemish:
1. Establish a source point for the Healing Brush by holding the Shift key and clicking on an area of the skin that is close in color and texture to the area you want to heal.
2. Use the zoom control to zoom in on the blemish.
3. Adjust the size of the healing brush so the cursor (circle) is only slightly larger than the blemish.
4. Paint over the blemish. The area will be concealed.
5. Click “Undo” if you make a mistake or don’t like the result.

2.2 Clone
The Clone tool is good for the removing of unwanted elements from a photo. It can also be used for a fun effect, like moving a nose from one person to another.

How to use the Clone tool to remove a telephone pole from the background of a photo:
1. Establish a source point for the Clone tool by holding the Shift key and clicking on an area of the sky that you want to use to paint over the telephone pole.
2. Adjust the brush size so the cursor (circle) is only slightly larger than the widest part of the telephone pole.
3. Click and hold your mouse button and carefully paint over the telephone pole. Do not release the mouse button until the job is done. The sky will be cloned into place.

4. Click “Undo” if you make a mistake or don’t like the result.

2.3 Lighten/Darken
The Light/Darken tool is good for adjusting specific areas of a photo.

2.4 Smudge
Simulate the smearing of wet paint. Please click and drag the sliders below to change the brush size and sharpness.

2.5 Sharpen
Sharpen blurry areas. Click and drag the sliders below to change the brush size and transparency.

2.6 Blur
Smooth out rough areas. Click and drag the sliders below to change the brush size and intensity.
2.7 Paint Brush
Allows you to “paint” on your image when you click and drag the mouse. Click and drag the sliders below to change the brush size and transparency.

2.8 Line
Draw a straight line in the photo. Click and drag the sliders below to change the line width and transparency.

2.9 Eraser
Simulate an eraser and remove the image painting, by using paintbrush and line tools, from your photo. Click and drag the sliders below to change the eraser size and effect.

3. Clipboard
Clip the pictures by selecting Rectangular, Elliptical, Freehand, Magic want and Magnetic.

Note: For more detailed information, please refer to the [Help section] of the program.
### Appendix

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<thead>
<tr>
<th>Specifications</th>
<th>Details</th>
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</thead>
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<tr>
<td>Image Sensor</td>
<td>1/2.5&quot; 5 mega CMOS sensor, 5.17 mega pixels</td>
</tr>
<tr>
<td>Lens Specification</td>
<td>F=6.0, 4 Glass elements, half field angle=14.1º</td>
</tr>
<tr>
<td>Color Balance</td>
<td>Automatic</td>
</tr>
<tr>
<td>Exposure Control</td>
<td>Automatic</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>2592x1680 pixels @7.5 fps</td>
</tr>
<tr>
<td>Focus Range</td>
<td>Fixed focus</td>
</tr>
<tr>
<td>PC interface</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>Scan High Resolution</td>
<td>5M equal to 1,800 dpi (enhances to 3,600 dpi via interpolation)</td>
</tr>
<tr>
<td>Light Source Back Light</td>
<td>3 white LED</td>
</tr>
<tr>
<td>System Requirements</td>
<td>Windows XP/ Vista, 32/64bits</td>
</tr>
<tr>
<td>Power</td>
<td>From USB port</td>
</tr>
<tr>
<td>Dimension</td>
<td>165.7 (L)x 104(H) x 90(W) mm</td>
</tr>
<tr>
<td>Bundled Software</td>
<td>ArcSoft Photo Impression 6</td>
</tr>
</tbody>
</table>

Specifications are subject to change without prior notice.

### System Requirements
- Pentium® PIII 800 processor
- Free USB2.0 port
- 256MB RAM internal memory minimum
- 100MB free hard disk space
- Colour monitor
- CD-ROM drive
- Windows® XP / Windows Vista™ 32/64 bits/Windows 7 32/64 bits
### 8. Trouble Shooting

<table>
<thead>
<tr>
<th>Issue</th>
<th>Possible cause</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>My computer does not recognise the scanner.</td>
<td>The scanner is not plugged into a high-speed USB port.</td>
<td>Your computer must have a USB 2.0 to communicate with your scanner. Check to see if USB 2.0 is installed on your computer. If you do not have a USB 2.0 installed on your computer you can upgrade your USB ports. This hardware is available at most electronic stores.</td>
</tr>
<tr>
<td>I get a Windows message that reads &quot;device not recognized&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I have a Windows message that “Windows cannot load Omni SuperCam”</td>
<td>Installation possibly not done in the correct order.</td>
<td>The scanner installation must be done in exact order as shown in the instruction manual. To fix this, unplug the scanner, uninstall the driver, uninstall Photolmpression6, and restart your computer. Then restart install per the manual ... install the driver, restart computer, and then reinstall the Photolmpression6 software.</td>
</tr>
<tr>
<td>I have a USB 2.0 port on my computer, but my computer still won’t recognize my scanner</td>
<td>All ports on your computer may not be high speed.</td>
<td>Even though you may have USB 2.0 installed, all of your USB ports may not be USB 2.0 compatible. Check all your USB ports to find the 2.0 compatible ports.</td>
</tr>
<tr>
<td>Issue Description</td>
<td>Likely Cause</td>
<td>Recommended Action</td>
</tr>
<tr>
<td>--------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>My installation disc will not auto start</td>
<td>There may be a problem with install CD.</td>
<td>Check to see if your CD drive is operating properly. If possible check another computer to see if the disc is recognised.</td>
</tr>
<tr>
<td></td>
<td>There may be a problem with your CD drive.</td>
<td></td>
</tr>
<tr>
<td>Warning from Windows that device “has not passed Microsoft logo testing”</td>
<td>This is normal. OK to continue.</td>
<td>Choose continue anyway. The scanner will not harm your computer. (Windows certification is in process for this software)</td>
</tr>
<tr>
<td>My Arcsoft Pi6 does not work properly</td>
<td>Possibly other versions of Pi6 are already installed on your computer.</td>
<td>Check to see if there are any earlier versions of Arcsoft Pi6. You must uninstall any previous versions, and reinstall Arcsoft Pi6.</td>
</tr>
<tr>
<td>I'm having trouble loading the software and/or driver.</td>
<td>Possible incompatible operating system.</td>
<td>Check to make sure that your computer is operating on either Windows XP or Vista</td>
</tr>
<tr>
<td>My scanner works ok, but some of my slides or negatives look overexposed</td>
<td>Time for auto exposure varies according to your computer configuration.</td>
<td>The scanner self adjusts to your slide/negative exposure. Wait for the live view window to stop adjusting for exposure and then click “snap shot” or press copy button on top of image copier. Check your slides or negatives to see if they may have been overexposed when originally developed. Several photo adjusting software programs are available to “clean-up” your newly digitised picture.</td>
</tr>
</tbody>
</table>
9. Trouble Shooting for Windows 7 OS user
Trouble Shooting for Windows 7 (32 bits OS) driver installation if you failed to automatically install the driver the first time.

1. Please check your system edition - Windows 7 32bits or 64bits.
   1) Desktop-> Right click “My computer”
   2) Select “Property”
   3) You will see the system edition as shown below:
2. Insert the VFS-004 scanner CD into your CD-ROM drive and connect the scanner to the PC.
   1) Desktop -> Right click “My Computer”
   2) Select “Properties”
   3) Select “Device Manager”

※Note: Please click ❌ EXIT ❌ when the installation menu appears and then follow steps 1) to 3).

3. Install driver manually
   1) Right click the “OVT Scanner”.
   2) Select ‘Update Driver Software’ to install driver software manually.
3) Select “Browse my computer for driver software”.

4) Browse for driver software on your computer. Please select a resource path.

i.e. E:\Driver\Windows\OVT\OVTScanner
(Please confirm your disk path before installing the driver. Your disk path may be D or E. E is an example.)
5) Select the folder that contains the drivers on the CD.

6) The location will be in
   E:\Driver\Windows\OVT\OVTSscanner
7) Please ignore the warning message (as shown in the image below) and click “Install this device software anyway” for driver installation.

![Warning Message]

8) Click ‘Close’ button when the installation is completed.

![Completed Installation]

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Trouble Shooting for Windows 7 (64 bits OS) driver installation if you failed to automatically install the driver the first time.

1. Please check your system edition - Windows 7 64bits - before installing.
   1) Desktop-> Right click “My computer”.
   2) Select “Property”.
   3) You will see the system edition as shown below:
2. Insert the VFS-004 scanner CD into your CD-ROM drive and connect the scanner to the PC.
   1) Desktop -> Right click “My Computer”
   2) Select “Properties”
   3) Select “Device Manager”

※Note: Please click EXIT when the installation menu appears and then follow steps 1) to 3).

3. Install driver manually
   1) Right click the “OVT Scanner”
   2) Select ‘Update Driver Software’ to install driver software manually.
3) Select “Browse my computer for driver software”.

4) Browse for driver software on your computer.
   Please select a resource path

i.e. E:\OVT scanner 64\Windows\OVT\OVTScanner
   (Please confirm your disk path, different from 32 bits, before installing the driver. Your disk path may be D or E. E is an example.)
5) Select the folder that contains the drivers on the CD.

6) The location will be in E:\OVT scanner \x64\Windows\OVT\OVTScanner
7) Please ignore the warning message (as shown in the image below) and click “Install this device software anyway” for driver installation.

![Image of warning message]

8) Click ‘Close’ button when the installation is completed.

![Image of successfully updated software message]

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For technical support please visit our website at www.veho-world.com and select Support Centre.

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www.veho-world.com

This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or your retailer where you purchased the product.