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**SVRP**

**VAIO Library**

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# GETTING STARTED

<b>1</b>	<b>Start here!</b>	<b>1</b>
<b>2</b>	<b>Using SVRP</b>	<b>3</b>
<b>3</b>	<b>Installation</b>	<b>5</b>
<b>4</b>	<b>Troubleshooting</b>	<b>7</b>
4.1	How to find .sny and .mod files . . . . .	7
4.2	How to use SVRP . . . . .	8
4.3	How to install WIM files . . . . .	9
4.4	Post-installation . . . . .	10
4.5	Troubleshooting . . . . .	11
4.6	BSOD: Windows did not find any installed, licensed language packs for the system default UI language (0x0000012a) . . . . .	12



**START HERE!**

*How to find .sny and .mod files*



## USING SVRP

*How to use SVRP*





## INSTALLATION

*How to install WIM files*

*Post-installation instructions*



## TROUBLESHOOTING

For troubleshooting, please visit [this page](#).

### 4.1 How to find .sny and .mod files

#### 4.1.1 Preparations

Note which Windows version your recovery includes. SVRP does not yet support Windows 98, ME, 2000 and XP recoveries! Most if not all Vista, 7, and 8 recoveries are supported.

Please mount your recovery partition, insert your recovery discs, or extract ISOs (using 7-Zip or Win-RAR).

For Windows 7 users, disable `Hide extensions for known file types`, and for Windows 8/8.1/10/11 users, enable `File name extensions`.

#### 4.1.2 Getting .sny files

**.sny files contain the WIM (Windows installation).**

On some recoveries, you can find them on the root directory, but on others, they are hidden in the “data” folder.

**In order to find them quickly**, use the “Search” function on Windows Explorer, simply by typing `*.sny` (make sure to check **all** discs!). Then, copy all the files to a empty, **writable folder which path does not contain spaces**.

Make sure to not confuse .sny files with files that contain sny in the name! We only want the files with the .sny file extension (for example “sony.sny”, **not** “SNYHDRCV.dll”).

**Sometimes no .sny files can be found on the first recovery disc**, but can be found on the second, third, or vice versa.

If no .sny files can be found, your recovery is not yet supported.

**Please continue with the guide on [how to use SVRP](#).**

### 4.1.3 Getting .mod files

**.mod files contain applications.**

Sometimes, .mod files are already bundled inside .sny files. **So before taking care of .mod files, please extract the WIM from .sny files and install Windows.**

**In order to find .mod files**, use the “Search” function on Windows Explorer, simply by typing \*.mod (make sure to check **all** discs!). Then, copy all desired files to a empty, **writable folder which path does not contain spaces**.

Make sure to not confuse .mod files with files that contain mod in the name! We only want the files with the .mod file extension (for example “MODJ-164441.mod”, **not** “MODSYSAP.dll”).

These files sometimes have random names, or are named after the application inside. Both are equally important.

If you do not have any .mod files, but have .sny files, you can use SVRP.

Check [Post-installation](#) guide for more information on applications.

**Please continue with the guide on [how to use SVRP](#).**

## 4.2 How to use SVRP

### 4.2.1 Preparations

First, copy all the patchable (.sny and .mod) files from your recovery partition or discs using [this guide](#). If you do not have .sny files (which are the most important), your recovery partition or discs aren’t supported yet. If you don’t have .mod files, but only .sny files, you can continue.

**Make sure that you copied all the files to a writable folder which path contains no spaces!** (example: “C:\patchfiles”)

If you’re having any issues when using SVRP, please see the [Troubleshooting](#) page.

### 4.2.2 Installing SVRP

Download the [latest release](#) of SVRP. Proceed with the installation.

**Make sure you are installing SVRP in the default directory (C:\SVRP)**, otherwise SVRP will not work.

### 4.2.3 Using SVRP for .sny files (Windows installation)

- Start the program. Click on .sny.
- After that, you will be asked to enter input folder, which is the folder that contains all the .sny files, an output folder, which is where the WIM will be saved, and name of the first .sny file (usually has the shortest name, like “sony.sny” or “p2.sny”). You also need to enter the file extension.
- Click on Patch, and process 1 will start. This process usually takes around 2-3 seconds.
- Press enter to continue with process 2.
- If process 2 succeeded without errors, you should now find your WIM file in the output directory.

**To learn more on how to install the WIM file (Windows), please visit [this page](#).**

## 4.2.4 Using SVRP for .mod files (applications)

Please only extract .mod files after installing Windows.

- Make sure that all the names of .mod files **don't contain spaces**.
- Start the program. Click on .mod. You will then have 2 options, automatic patcher, and manual patcher. If you want to extract multiple .mod files, it is recommended to use the automatic patcher. If you want to extract one .mod file at a time, use the manual patcher.
- You will be asked to enter input folder, which is the folder that contains all the .mod files, and an output folder, which is where the .mod files will be extracted. For the manual patcher, you also need to enter the full name of the .mod file you desire to patch (example: "MODJ-164418.mod").
- Click on Auto extract, or Extract for manual patcher, and process 1 will start. This process usually takes around 2-3 seconds.
- Press enter to continue with the next file (auto patcher). Press enter to continue with process 2 (manual patcher).
- If process 2 succeeded without errors, the extracted .mod should be in the output folder.

Install applications using the guide on the [Post-installation](#) page.

## 4.3 How to install WIM files

### 4.3.1 Preparations

First, you need a Windows PE environment that you can run on the target machine (Windows ISOs, etc...).

You then need a copy of [wimlib-imagex](#) (we recommend the "windows-x86\_64-bin" version for maximum compatibility). Extract the program, then copy it over to the root of your PE environment media, or on another USB drive or media.

Then, copy over the WIM file SVRP created to the wimlib-imagex folder you just transferred to your PE environment media, or on another USB drive or media.

If you're having any issues, please see the [Troubleshooting](#) page.

### 4.3.2 Windows 7 recoveries

To install Windows 7 recoveries, you must go through with [this guide](#) **before installing the WIM**. Only for Windows 7.

### 4.3.3 Initial setup

- First, boot into the PE environment on the target machine, and enter the command prompt (using Shift+F10 or "Repair your computer").
- Type `diskpart`
- Then `list disk`
- Find the number of the disk you want to install the WIM on.
- Then, type `select disk (disk number)`
- Type `clean` (THIS WILL WIPE ALL DATA ON DISK)

- Type `create partition primary`
- Type `format fs=ntfs quick`
- Type `assign letter=C` (if C is already assigned, deassign the other partition that is currently assigned C, using `select volume (enter number)` and `remove letter=c`, then select the partition we were creating and assign it C)
- Type `active`
- Type `exit`

### 4.3.4 Applying the WIM

- Find the drive letter of whatever media you transferred wimlib-imagex to (using diskpart, or notepad). To switch drive letter on CMD, simply type `(drive letter):`
- Navigate to the area where you transferred wimlib-imagex with the command `cd (path)`
- To start the installation, execute the command `wimlib-imagex.exe apply (name).wim 1 C:`

Then, to create the boot files, you must use this command:

- `bcdboot.exe C:\Windows /s C:\`

If the command is unknown, use a Windows 10 PE.

**Proceed to [Post-installation guide](#).** For BSOD issues related to language packs, etc, please see the [Troubleshooting](#) page.

## 4.4 Post-installation

### 4.4.1 First boot

**For BSOD issues** related to language packs, etc, please see the [Troubleshooting](#) page.

After Windows has been successfully installed, let it get to the Desktop.

If it restarts into OOBE without any input from your part, you must go through with OOBE and install the applications after (how-to below). **If it does not restart into OOBE**, install the applications, and then you should be able to find a Sysprep window, click on restart.

### 4.4.2 Information about applications

Sometimes, all applications are already installed, sometimes, only some are installed, and sometimes, none are installed.

If not all are installed, you must install them by extracting .mod files.

**If you are not sure if all apps are installed**, please extract a couple of .mod files (preferably the biggest), and check if these apps are installed.

Please only install the apps that are not installed, don't reinstall ones that are already installed.

### 4.4.3 How to install applications (.mod files)

- First, extract all the .mod files using SVRP. Please see the guide on *how to use SVRP*.
- Put the extracted .mod files on a USB drive or other removable media.
- Install each .mod file one by one by going through setup.exe and setup.bat. **Each time, make sure to run the setup executables and batch files as Administrator!**

### 4.4.4 Drivers

If some drivers are missing, even after installing all .mod files, you must download and install them manually.

To find and download drivers, you can use a guide such as [this one](#).

## 4.5 Troubleshooting

For support, please join the [SonyPlaza](#) Discord server and talk to us on the #vaio channel.

### 4.5.1 Errors while running SVRP

#### Process 1: Write failed

This problem happens because the file is in read-only, and SVRP failed to remove the attribute. To fix this issue, right click on the patchable file, go to **Properties**, and uncheck **Read-Only**. Then click on **Apply**.

#### Process 1: Read failed

This means that the directory or file was not found. **Please check that the path and file contains no spaces** (path example: "C:\patchfiles") (file example: "MOD-WinDVD.mod"), and you entered the correct "first file" (for .sny files), **with file extension** (example: "sony.sny", or "p2.sny").

#### Process 2: The file did not begin with the magic characters that identify a WIM file

This error usually means that process 1 failed, or you inputted the wrong "first file". Please try again, and check what error you obtain on process 1.

### 4.5.2 Errors when installing the WIM (Windows)

#### The subsystem needed to support the image type is not present

To install x64 WIMs (some older recoveries contain 32-bit Windows, and newer ones, 64-bit), you need the x64 version of wimlib-imagex. Using the x64 version should fix this problem.

**This version of wimlib-imagex.exe is not compatible with the version of Windows you're running**

If you are currently using wimlib-imagex “windows-i686-bin”, which is the 32-bit version, switch to the “windows-x86\_64-bin”, which is the 64-bit, and vice-versa.

### 4.5.3 Errors on first boot (Windows)

**If you can see a BSOD at boot, but can't get a grasp of what it's saying, record a video using your phone, then stop on a frame with the BSOD.**

**BSOD: Windows did not find any installed, licensed language packs for the system default UI language (0x0000012a)**

**This problem happens on nearly all Windows 7 recoveries.** Sometimes, the BSOD doesn't show at all, and the system simply reboots, however, this method should fix it.

Please see [the page](#) dedicated to this problem.

## 4.6 BSOD: Windows did not find any installed, licensed language packs for the system default UI language (0x0000012a)

This error happens on all Windows 7 recoveries. It means the WIM doesn't have language packs pre-installed. To fix this issue, you must download and integrate language packs in the WIM.

### 4.6.1 For Windows 7 recoveries (NTlite method):

- **For this method to work, you must be on Windows 10 or 11.**
- Install and open [NTLite](#).
- Click on Free license and click on OK.
- Click on Add on the top left, then Image (WIM, ESD, SWM), and open the WIM SVRP created.
- Click on (select) 1. Sony next to the little indicator (should be gray). And click on Load on the top left.
- Wait for the image to be fully mounted, a menu should appear when the process is done.
- On the bottom right of the NTLite window, you should see service pack and architecture (x86 or x64) of Windows. Take note of that.
- On the menu on the left side, click on Updates.
- Download en-US (and language of recovery if your recovery isn't in English US) language pack from [here](#). Make sure you download the correct language pack (SP0 or SP1, x86 or x64).
- On NTLite, click on Add on the top left, then Package files, then select the language pack executable(s).
- Click on Apply on the menu. Then, click on Process on the top left.
- The WIM will be rebuilt with the language pack(s) integrated.
- If NTLite fails to integrate the language pack(s), try downloading the language pack for the other service pack (SP0 if you downloaded SP1, and vice-versa). Make sure you're on Windows 10 or 11, otherwise this process will fail!



- Apply the WIM using [this guide](#).

#### 4.6.2 Alternative solution if NTlite doesn't work (not recommended):

- Install and open [Win Toolkit](#).
- Click on All-In-One Integrator, and open the WIM SVRP created. Then click on Select on the bottom left, and Select [Sony]. Then Continue (No Preset) on the bottom left.
- Click on Updates + Languages tab.
- Download en-US (and language of recovery if your recovery isn't in English US) language pack from [here](#). Make sure you download the correct language pack (SP0 or SP1, x86 or x64).
- Execute the language pack executable (exe), and shortly after it was opened, you should see a lp.cab file in the folder where the language pack executable is located. Select the file, and do CTRL+C and CTRL+V before it disappears. Do the same for the second language pack if you have downloaded two.
- Rename lp - Copy.cab to lp1.cab (if you have two language packs, rename the second to lp2.cab).
- Go back to Win Toolkit, and click on Add, Add Updates on the top left.
- Select lp1.cab (and lp2.cab) and click on open.
- Click on Start on the top left. The WIM will be rebuilt with the language packs integrated.
- Apply the WIM using [this guide](#).

#### 4.6.3 For Windows Vista:

This problem has not been observed on Vista yet, and no potential solutions have been found.