

Optical Disc Archive Software Ver 5.5.3 is released.

[Additional Items in Ver5.5.3]

Windows

1. We have implemented fixes to improve security vulnerabilities.
2. We enabled read-only mounting for cartridges that experienced disk management area recording errors.
3. Fixed an issue in the Windows 11 environment when transferring a zero-byte file using Optical Disc Archive Filer triggered ALARM 91-554.

Linux

1. Added support for Red Hat Enterprise Linux 8.10.
2. Fixed an issue in the Windows 11 environment when transferring a zero-byte file using Optical Disc Archive Filer triggered ALARM 91-554.

Drive Firmware

There are no changes from previous version "5.5.1" and "5.5.2" .

ODS-D380U : V1.220 is included.

ODS-D280U : V2.610 is included.

Note:

The Optical Disc Archive Software and the utility software may not recognize the unit ("ODS-D380U") properly,

if the power of the unit is on, depending on the computer to which it is connected.

In this case, turn off the power of this unit, or disconnect the USB cable, and then start the computer.

[Configuration of Computers Connected to the ODS-D280U, ODS-D280F, ODS-D380U, ODS-D380F]

Please refer to the technical note "Recommended Configuration of Computers" which is combined together with ODS-D280U, ODS-D280F, ODS-D380U, and ODS-D380F.

The technical note is also available from Product Resources Search – Sony Pro Site,

(https://pro.sony/en_GB/product-resources/product-resources-search).

Please search for the model name (e.g., ODS-D380U) on the website to obtain the technical notes.

[Configuration of Computers Connected to the OLS-D500F]

Please refer to the technical note "Recommended Configuration of Computers" which is combined together with OLS-D500F.

[About the alarm code of ODS-D280U, ODS-D280F, ODS-D380U, ODS-D380F, OLS-D500F]

Do not update the firmware while the alarm is occurring.

After confirming that the alarm has been cleared by reinserting the cartridge or turning the drive

power off / on, update the firmware.

If the alarm persists, contact your local Sony Sales Office/Service Center.

Cartridges with 6D-001 and 21-100 displayed in versions prior to V5.2.0 of Optical Disc Archive Software will be displayed 6D-002, 21-101 and 21-102 in V5.2.0 or later.

The contents of alarm codes 21-101, 21-102, 6D-002 and 91-556 and the error remedy method are as follows.

Code: 21-101

Description: Some media problem may have occurred. It is recommended to copy data to another cartridge.

Error remedy method:

1. Insert the cartridge.

Tip: If the alarm code 21-101 occurs again and the cartridge is ejected, re-insert the cartridge until the alarm code 21-102 occurs.

The cartridge is mounted read only.

2. Copy the data to another cartridge .

Note: After the cartridge is ejected, if some media problem is detected when you re-insert the cartridge and access the data, the alarm code 6D-002 occurs.

Tip: For data transfer, use recover file or duplicate volume function of Optical Disc Archive Utility. For details, refer to Optical Disc Archive Utility help.

Code: 21-102

Description: This cartridge was mounted read only. It is recommended to copy data to another cartridge.

Error remedy method:

1. Since the cartridge is mounted read only, copy the data to another cartridge in this state.

Note: After the cartridge is ejected, if some media problem is detected when you re-insert the cartridge and access the data, the alarm code 6D-002 occurs.

Tip: For data transfer, use recover file or duplicate volume function of Optical Disc Archive Utility. For details, refer to Optical Disc Archive Utility help.

Code: 6D-002

Description: Some media problem may have occurred. It is recommended to copy data to another cartridge.

Error remedy method:

1. Insert the cartridge.

2. Insert again the ejected cartridge.

The alarm code 21-101 occurs and the cartridge is ejected.

Repeat this operation twice.

3. Insert again the ejected cartridge.

The alarm code 21-102 occurs and the cartridge is mounted read only.

4. Copy the data to another cartridge .

Note: After the cartridge is ejected, if some media problem is detected when you re-insert the cartridge and access the data, the alarm code 6D-002 occurs.

Tip: For data transfer, use recover file or duplicate volume function of Optical Disc Archive Utility. For details, refer to Optical Disc Archive Utility help.

Code: 91-556

Description: This cartridge was mounted read only. It is recommended to copy data to another cartridge.

Error remedy method:

1. Since the cartridge is mounted read only, copy the data to another cartridge in this state.

Tip: For data transfer, use recover file or duplicate volume function of Optical Disc Archive Utility or Optical Disc Archive Filer. For details, refer to Optical Disc Archive Filer help or Optical Disc Archive Utility help.

[System Requirements]

The supplied set of software has been tested and found to run under the following conditions.

OS:

Note) There are some limitations to be aware of when using Windows, so please refer to "About the Windows environment" at the end.

ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U

Windows

Microsoft Windows 10 Pro 64-bit version *1

Microsoft Windows 11 Pro 64-bit version

Microsoft Windows Server 2019 *2

Microsoft Windows Server 2022

Linux

Red Hat Enterprise Linux 8.8 64bit

Red Hat Enterprise Linux 8.10 64bit

Mac

Support for Mac has ended.

ODS-D77F/ODS-D280F/ODS-D380F/OLS-D500F

Windows

Microsoft Windows Server 2019 *2

Microsoft Windows Server 2022

Linux

Red Hat Enterprise Linux 8.8 64bit

Red Hat Enterprise Linux 8.10 64bit

*1 After the end of OS support date, you will need to purchase the Extended Security Updates (ESU) for Windows 10 provided by Microsoft.

*2 After the end of OS support date, you will need to purchase the Extended Security Updates (ESU) for Windows Server 2019 provided by Microsoft.

CPU:

ODS-D55U/ODS-D77U/ODS-D77F

Intel Core 2 Duo 2.66GHz or Intel Xeon 2.0GHz or higher

ODS-D280U/ODS-D280F

3rd Generation Intel Core i5 2.5GHz or Intel Xeon 2.27GHz or higher

ODS-D380U/ODS-D380F/OLS-D500F

6th Generation Intel Core i5 2.3GHz or Intel Xeon 2.0GHz or higher

Memory:

ODS-D55U/ODS-D77U/ODS-D77F

2GBx(number of the units + 1) or more

ODS-D280U/ODS-D280F/ODS-D380U/ODS-D380F/OLS-D500F

4GBx(number of the units + 1) or more

Hard-disk space:

ODS-D55U/ODS-D77U/ODS-D77F

32GB + 16GBx(number of the units + 1) or more

ODS-D280U/ODS-D280F

32GB + 32GBx(number of the units + 1) or more

ODS-D380U/ODS-D380F/OLS-D500F

64GB + 64GBx(number of the units + 1) or more

Interface:

ODS-D55U/ODS-D77U (USB)

Hi-Speed USB (USB 2.0) :

Hi-Speed USB (USB 2.0) host controller required.

SuperSpeed USB (USB 3.2) :

SuperSpeed USB host controller required.

ODS-D280U (USB)

SuperSpeed USB (USB 3.2) :

SuperSpeed USB host controller required.

ODS-D380U (USB)

SuperSpeed USB 10Gbps (USB 3.2) :

SuperSpeed USB 10Gbps (USB 3.2) host controller required.

SuperSpeed USB (USB 3.2) :

SuperSpeed USB host controller required.

ODS-D77F/ODS-D280F/ODS-D380F/OLS-D500F (Fibre Channel)

Recommended Fibre Channel host bus adapters are as follows.

When using the QLogic host bus adapter on Linux, update the QLogic FC Driver to v10.01.00.53.07.6-k or later.

ODS-D77F :

QLE2560/QLE2562 (QLogic 8Gbps Fibre Channel Host Bus Adapter)
LPe12000/LPe12002 (Emulex 8Gbps Fibre Channel Host Bus Adapter)

ODS-D280F :

QLE2560/QLE2562 (QLogic 8Gbps Fibre Channel Host Bus Adapter)
QLE2690/QLE2692 (QLogic 16Gbps Fibre Channel Host Bus Adapter)
QLE2740/QLE2742 (QLogic 32Gbps Fibre Channel Host Bus Adapter)
QLE2770/QLE2772 (QLogic 32Gbps Fibre Channel Host Bus Adapter)
LPe12000/LPe12002 (Emulex 8Gbps Fibre Channel Host Bus Adapter)
LPe31000/LPe31002 (Emulex 16Gbps Fibre Channel Host Bus Adapter)
LPe32000/LPe32002 (Emulex 32Gbps Fibre Channel Host Bus Adapter)
LPe35000/LPe35002 (Emulex 32Gbps Fibre Channel Host Bus Adapter)

ODS-D380F/OLS-D500F :

QLE2560/QLE2562 (QLogic 8Gbps Fibre Channel Host Bus Adapter)
QLE2690/QLE2692 (QLogic 16Gbps Fibre Channel Host Bus Adapter)
QLE2740/QLE2742 (QLogic 32Gbps Fibre Channel Host Bus Adapter)
QLE2770/QLE2772 (QLogic 32Gbps Fibre Channel Host Bus Adapter)
LPe12000/LPe12002 (Emulex 8Gbps Fibre Channel Host Bus Adapter)
LPe31000/LPe31002 (Emulex 16Gbps Fibre Channel Host Bus Adapter)
LPe32000/LPe32002 (Emulex 32Gbps Fibre Channel Host Bus Adapter)
LPe35000/LPe35002 (Emulex 32Gbps Fibre Channel Host Bus Adapter)

Note:

These system requirements may not apply to all computers.

1. How to install the Optical Disc Archive Software

Windows)

- (1) Before reinstalling the Optical Disc Archive Software, remove the Sony Optical Disc Archive Software by using the Add/Remove Programs tool in Control Panel and then restart your computer.
- (2) Unzip [ODASoftware_5_5_3_win.zip] and run [ODASoftware_5_5_3_win.exe], and follow the on-screen instructions to install both the Optical Disc Archive Software and Optical Disc Archive Utility. The settings return to default values.
- (3) Launch Optical Disc Archive Utility to check the version number of ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U firmware and update it if necessary. Consult the service representative about the ODS-D77F/ODS-D280F/ODS-D380F/OLS-D500F firmware update.

- The Optical Disc Archive Software may not function properly if the device is not assigned a drive letter in the range A-Z.

Linux)

- (1) Unzip [ODASoftware_5_5_3_rhel.zip]. Open [ODASoftware_5_5_3_rhel.bin], and execute the install package.
Follow the on-screen instructions to install the Optical Disc Archive Software and the utility software.
 - (2) Once the installation of the Optical Disc Archive Software is completed, launch the utility software to check the version number of the device firmware and update it if necessary. Consult the service representative about the ODS-D77F/ODS-D280F/ODS-D380F/OLS-D500F firmware update.
- If the Optical Disc Archive Software has not been installed to the computer, the computer may malfunction when connecting this unit. Install the Optical Disc Archive Software in advance before connecting this unit to the computer.
If an error occurred with the computer, shut down the computer and disconnect the unit. Restart the computer and install the software. Then, connect this unit to the computer.
 - Eject the cartridge before installing the Optical Disc Archive Software.
 - Installing the Optical Disc Archive Software and utility software overwrites a previous installation. Settings from a previous installation are preserved for the new installation.
 - If the Optical Disc Archive Software is uninstalled, the settings will have their default values when a new version of the Optical Disc Archive Software is installed.
 - If you need to re-install, uninstall the installed package according to the following procedure and then execute the ODASoftware_5_5_3_rhel.bin file.

[How to uninstall RPM package]

1. Check RPM package

```
>rpm -qa | grep odaudf  
odaudf-utility-5.5.3-8.el6.x86_64  
odaudf-5.5.3-8.el6.x86_64  
odaudf-utility-gui-5.5.3-8.el6.x86_64
```
2. Uninstall RPM packages by a user with root permission.

```
>rpm -e odaudf-utility-gui-5.5.3-8.el6.x86_64  
>rpm -e odaudf-utility-5.5.3-8.el6.x86_64  
>rpm -e odaudf-5.5.3-8.el6.x86_64
```

- The following software must be installed when installing Optical Disc Archive Software.
apr

apr-util
sh
bzip2-libs
dbus-glib
fuse-libs
glib2
glibc
libapr
libaprutil
libc
libdl
libdbus
libfuse
libgcc
libm
libpthread
librt
libstdc++
lsf
zip
pciutils
chkconfig
fontconfig
freetype
initscripts
libX11
libXext
libXrender
rpm-lib
rtld
zlib

(Compliant firmware version)

ODS-D55U: V1.300
ODS-D77U: V2.200
ODS-D280U: V2.610
ODS-D380U: V1.220

2. Optical Disc Archive Software

- The Optical Disc Archive Software Ver3.4.1 or before does not support to write the cartridge which is formatted on the Optical Disc Archive Software Ver4.0.0 or later.

The Optical Disc Archive Software must be upgraded to Ver4.0.0 or later to write the cartridge which is formatted on the Optical Disc Archive Software Ver4.0.0 or later.

- Optical Disc Archive Software may not function correctly if installed alongside some antivirus packages, some anti-spyware tools.

The anti-virus software that has been tested on Windows is as follows.

Symantec

Endpoint Protection 14.3.5413.3000 RU3

Trellix

Trellix Endpoint Security 10.7

McAfee : 1.31.148

ESET : 18.2.14.0

Microsoft Defender

- Optical Disc Archive Software may not function correctly if installed alongside some products that contain OS non-standard UDF 2.5 or UDF 2.6 file system drivers.

- ODS drive isn't rarely recognized even if a product contains OS standard UDF 2.5 or UDF 2.6 file system drivers.

In such case, reinject the cartridge or reconnect ODS drive to the product.

- It is not possible to power ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U through a USB cable.

The maximum number of units connectable to a PC is the following.

64bit systems: 4 units

Connections through a USB hub are not supported.

- Recommended settings for PC

Prevent computer from sleeping automatically when connecting ODS drive to computer.

Windows)

1. Set thumbnail display of the explorer to off

[Start] button > [Control Panel] > [Folder Options] > Mark the checkbox of [Always show icons, never thumbnails] on [Advanced settings] in the [View] tab, then click the [OK] button.²

2. Power setting for PC

[Start] button > [Control Panel] > [Power Options] > [Change when the computer sleeps] > Set [Put the computer to sleep] to [Never], then click the [Save changes] button.

3. Set the USB selective suspend to off

Select the active power plan from the pull-down menu of the [Start] button > [Control Panel] > [Power Options] > [Change plan settings] > [Change advanced power settings], set [On Battery] and [Plugged in] of [USB settings] > [USB selective suspend setting] to [Disabled], and click

the [OK] button.

- Memory capacity referred in "[System Requirements]" is required for the Optical Disc Archive Software.

When you run the Optical Disc Archive Software with the services or applications which need more memory, Please consider the expansion of memory.

- Don't support to share the Optical Disc Archive volume with multiple clients.
- The KDE desktop environment is not supported on Linux.
- A sparse file may not be recorded when using the cp command on Linux. In such a case, set the option "--sparse = never".

3. Optical Disc Archive Utility

- Starting

Windows)

Install by selecting [Sony Optical Disc Archive Software]-[Optical Disc Archive Utility] from Start menu.

Linux)

Install by selecting [Optical Disc Archive Utility] from System tool of Application menu.

- Firmware (ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U)

Eject the cartridge before updating the firmware.

Do not turn off the device, the computer and disconnect the USB cable during the firmware update.

When the firmware update is finished, the device must be turned off and on again.

The firmware version cannot be downgraded.

- File Recovery Function

It is not guaranteed that any broken conditions will be recovered by the recover function in this software.

Note)

We have found that Windows versions of the Optical Disc Archive Utility prior to V5.5.0 may fail to repair files, or create files that are not properly repaired even though file repair is completed, only on the ODC5500R. Therefore, please use V5.5.0 or later version for ODC5500R file recovery.

- Volume Check Function

The volume check function may not work when running the other operation.

- Log export, File Recovery, Duplicate volume function

The device connecting network drive isn't supported.

Execute under the environment that supports zip command.

4. Optical Disc Archive Filer

- Starting

Windows)

Install by selecting [Sony Optical Disc Archive Software]-[Optical Disc Archive Filer] from Start menu.

- About volume label

Windows)

Up to 32 characters in Unicode 2.0. A surrogate pair counts as two characters.

- Simultaneous connection number of ODS drive

Optical Disc Archive Filer can control up to four ODS drives simultaneously.

- Restriction of file transfer

The file transfer to local volume from local volume and the file transfer in the same Optical Disc Archive volume are forbidden.

In addition, when you transfer (retrieve) an entire volume of an Optical Disc Archive Drive to a local volume on PC, a folder is created on the transfer destination with a folder name which has a cartridge serial number appended. Note that if there is already a folder on a local volume of a computer with the same name as the volume name which has the cartridge serial number of the Optical Disc Archive Drive appended, you will not be able to transfer the entire volume of the cartridge. In this case, make changes such as appending _org to the end of the folder name that exists on the local volume, and then transfer the entire volume of the Optical Disc Archive Drive to the local volume.

The following files cannot be viewed or archived:

.DS_Store

Files beginning with ._.

Files beginning with ._.

The following folders cannot be viewed or archived:

.Trashes

.TemporaryItems

.Spotlight-V100

.fsevents

System Volume Information

- Data transfer to storage with LTO 9 data cartridge or SMB I/F (Windows Version Only)

Optical Disc Archive Filer version 5.5.1 has the function to transfer the data of the Optical Disc Archive cartridge to the data cartridge inserted in the UNITEX LTO-9 drive "LT90H" or the storage device with SMB I/F. supported.

Transfer from LTO 9 data cartridge to Optical Disc Archive cartridge and transfer from LTO 9 data cartridge to storage other than Optical Disc Archive cartridge are not supported.

- A data archive from the FTP server to the Optical Disc Archive volume

Currently, the products listed below are tested.

XDS-PD2000

XDS-PD1000

PMW-1000

PDW-HD1550

PDW-HD1500

PDW-1500

PDW-HR1

SR-R1000

[Notes About Software]

- Content Manager 1.0 doesn't support ODS-D77U.
- Content Manager 1.0/2.0 doesn't support ODS-D77F.
- Content Manager 2.0.2/File Manager 2.2/Web Service for ODS 2.2 can't indicate version of Optical Disc Archive Software accurately in combination with Optical Disc Archive Software Ver 3.0.0/3.0.1. In such case, version of Optical Disc Archive Software can be confirmed on Optical Disc Archive Utility.

[Setting PC]

It is recommended to temporarily disable the following:

Resident programs such as antivirus and backup tools, or self-encrypting drive management services (e.g. Security management software for drives).

- Example problems

Archiving and retrieving files may not be successfully complete according to the version of TDM Service installed in a DELL workstation.

In such cases, try again the update.

If the update is still unsuccessful, try again with TDM Service disabled, or using another PC.

[About the Windows environment]

About a limitation in older versions of Windows 10 and Windows Server 2019

The Optical Disc Archive Software is designed to be compatible with Windows OS with the latest security programs applied, including OS build versions with Extended Security Updates (ESU). Therefore, the Optical Disc Archive Utility may not start on older build versions of the OS. If it does not start, please update your OS using Microsoft Update.

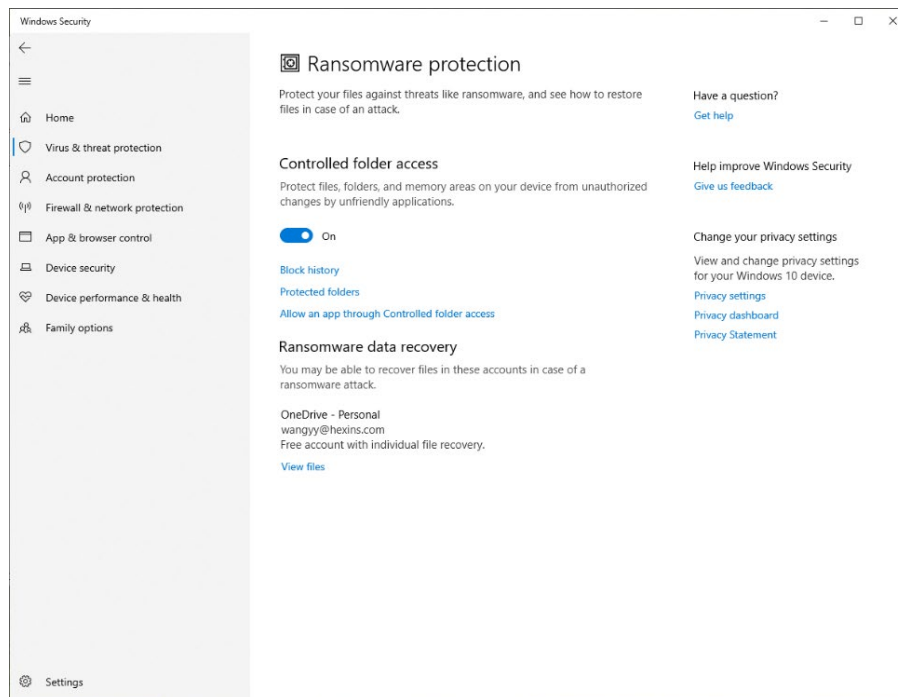
The build version on which the Optical Disc Archive Utility has been confirmed to start are as follows:

Windows 10 22H2 (OS Build 19045.6456)

Windows Server 2019 1809 (OS Build 17763.7678)

About the impact of the new Defender features

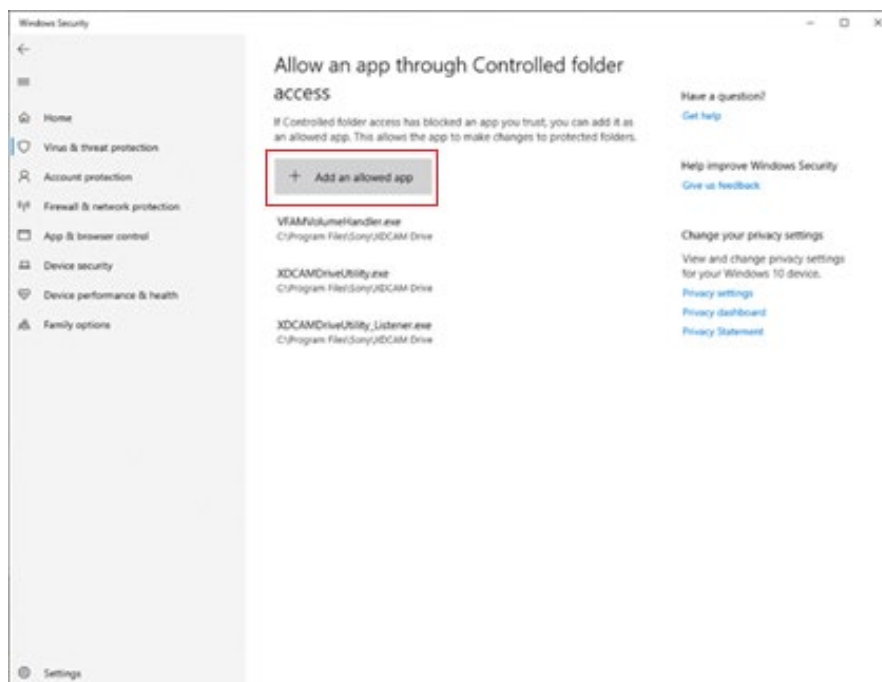
We would like to inform you about the impact of the new Defender features introduced in Windows 10 and Windows 11. Defender now includes a "ransomware prevention" feature, but if Controlled Folder Access is set to "ON" in the "Ransomware Protection Settings" on the Windows Security screen, Optical Disc Archive Software may not function properly.



If this doesn't work, add the following five applications to the "Add allowed applications" list:

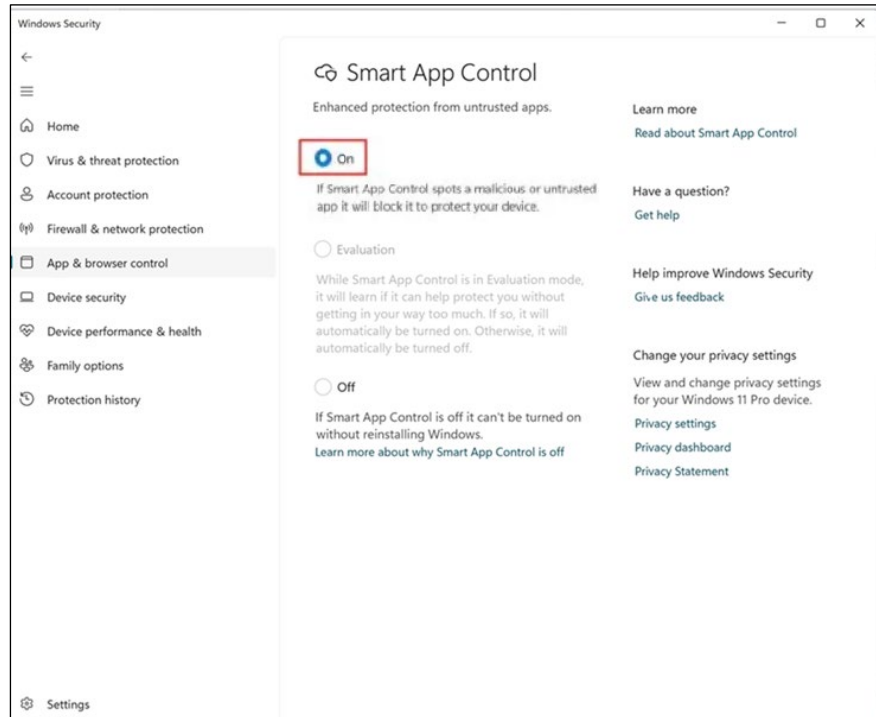
Folder : C:\Program Files (x86)\Sony\Optical Disc Archive Software

Application Software: ODAWriterHandler.exe
ODAUtility.exe
ODAUtility_Listener.exe
ODAUtility_Helper.exe
ODAFiler.exe



About the impact of Smart App Control (SAC), which was introduced in Windows 11 22H2

If Smart App Control (SAC), which became available in Windows 11 22H2, is set to "On," you may see the message "Parts of this app have been blocked" when launching the Optical Disc Archive Utility or Filer application. This occurs when SAC is unable to check the app's digital signature on the cloud.



The main specifications of SAC are as follows.

1. SAC will not be enabled on PCs upgraded from versions prior to Windows 11 22H2.
2. PCs with a new installation of Windows 11 22H2 will initially be in evaluation mode. There will be no effect during evaluation mode, but if Windows learns how the PC is being used during evaluation mode and decides to turn SAC on, it will be turned on.
3. After SAC is turned on due to evaluation mode, manually changing SAC to OFF will permanently turn it off.

If the message "A portion of this app has been blocked" is displayed,

- You can use the software by connecting to the Internet.
- If you want to use the software in an environment without an Internet connection, connect to the Internet, uninstall and reinstall the software once, then restart the Windows OS and verify that the software's Utility application launches without being blocked. From then on, you will be able to use the software without a network connection.

You can also disable the SAC function itself, but this is a security feature and is not recommended.

<Reference>

The SAC feature may be enabled on PCs initially set up with Windows 22H2 or later, or on PCs that have had a clean OS install.
