

# SONY®

Optical Disc Archive Drive Unit

**ODS-D55U**

**ODS-D77U**

**ODS-D77UA**

**ODS-D280U**

**ODS-D380U**



Optical Disc Archive

## OPERATION MANUAL

English

3rd Edition (Revised 5)

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# Overview

## Chapter

# 1

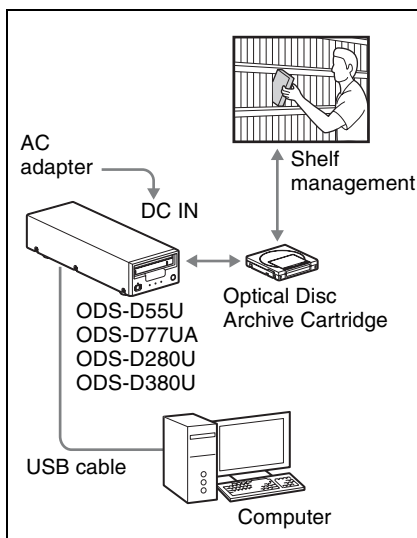
## 1-1 Features

The features of the ODS-D55U/D77U/D77UA/D280U include the following.

- Writable and readable the large amount of data with one cartridge
- Supported for both types of cartridges, write-once and rewritable
- IT-friendly system through USB interface
- Writable any user data as computer data
- Usable as an external device from a computer
- Check device and media information, operate media, and make settings using the Utility Software
- File transfer and job management using the Optical Disc Archive Filer
- Intuitive management of content realized with Content Manager.

## 1-2 Example of Use

The following figure shows an example of the shelf management control system for reading or writing material on a computer connected to this unit.



# 1-3 Recommended Software

## 1-3-1 List of Software

Download the following software from the Sony Creative Software site or Sony Professional Products site for use with this unit.

| Software                                        | Supported OS                    | Function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Source                                                                                                       |
|-------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Optical Disc Archive Software                   | Windows/<br>Macintosh/<br>Linux | Basic software that allows you to read/write files with the computer connected to this unit.<br><br><b>Note</b><br>Install this software in advance before connecting this unit to the computer.                                                                                                                                                                                                                                                                                                                                             | Download from the Sony Creative Software site <sup>a)</sup> or Sony Professional Products site <sup>b)</sup> |
| Utility Software (Optical Disc Archive Utility) | Windows/<br>Macintosh/<br>Linux | Provides the following functions on a computer connected to this unit. <ul style="list-style-type: none"> <li>• Display device and media information</li> <li>• Rollback media</li> <li>• Format media</li> <li>• Finalize media (when using Write-once media)</li> <li>• Recover broken files</li> <li>• Duplicate volume</li> <li>• Update firmware</li> <li>• Make settings</li> </ul> <b>Note</b><br>The Utility Software and Optical Disc Archive Filer are installed automatically when you install the Optical Disc Archive Software. |                                                                                                              |

| Software                   | Supported OS          | Function                                                                                                                                                                                                                                                                                                             | Source                                                                                                       |
|----------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Optical Disc Archive Filer | Windows/<br>Macintosh | Provides the following functions on a computer connected to this unit. <ul style="list-style-type: none"> <li>• File transfer (Archive/Retrieve)</li> <li>• File transfer from an FTP server</li> <li>• Job operation</li> <li>• Create File List</li> <li>• Make settings</li> </ul>                                | Download from the Sony Creative Software site <sup>a)</sup> or Sony Professional Products site <sup>b)</sup> |
| Content Manager            | Windows/<br>Macintosh | This software provides the versatile functions to manage your contents that enable you to take full advantage of Optical Disc Archive Drive Unit. To use this software, authentication by inputting the serial number of Content Manager <sup>c)</sup> is required. For details, refer to Help in "Content Manager." |                                                                                                              |

a) Sony Creative Software site  
<http://www.sonycreativesoftware.com/>

- b) Sony Professional Products site
- U.S.A. <http://pro.sony.com>
  - Canada <http://www.sonybiz.ca>
  - Latin America <http://sonypro-latin.com>
  - Europe <http://www.pro.sony.eu/pro>
  - Middle East, Africa <http://sony-psmea.com>
  - Russia <http://sony.ru/pro/>
  - Brazil <http://sonypro.com.br>
  - Australia <http://pro.sony.com.au>
  - New Zealand <http://pro.sony.co.nz>

- Japan <http://www.sonybsc.com>
- Asia Pacific <http://pro.sony-asia.com>
- Korea <http://bp.sony.co.kr>
- China <http://pro.sony.com.cn>
- India <http://pro.sony.co.in>

C) Each Optical Disc Archive Drive Unit has one Content Manager serial number. One serial number can only be used for one computer. When using two or more computers, purchase additional serial numbers from the Sony Professional Products site.

## 1-3-2 System Requirements

The Optical Disc Archive Software and the Utility Software have been tested and found to run under the following conditions.

*For system requirements of Content Manager, see Help in "Content Manager."*

### Note

These test results may not apply to all computers.

## Windows

## ODS-D55U/D77U/D77UA

a) When connecting this unit with a Hi-Speed USB (USB 2.0), an acceptable data-transfer rate may not be available.

## ODS-D280U

**ODS-D380U**

| Item  | Requirement                                                                                                                                                                                                                                   |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other | <ul style="list-style-type: none"> <li>• SuperSpeed USB 10 Gbps (USB 3.2) (SuperSpeed USB 10 Gbps (USB 3.2) host controller required.)</li> <li>• SuperSpeed USB (USB 3.2) (SuperSpeed USB host controller required.)<sup>a)</sup></li> </ul> |

a) When connecting this unit via SuperSpeed USB (USB 3.2), an acceptable data transfer rate may not be available.

## Macintosh ODS-D55U/D77U/D77UA

| Item                 | Requirement                                                                                                                                                                                                                               |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor            | Intel Core 2 Duo 2.2 GHz or higher, or Intel Xeon 2 GHz or higher                                                                                                                                                                         |
| Memory               | 2 GB × (number of the connected units + 1) or more                                                                                                                                                                                        |
| Free hard disk space | 32 GB + 16 GB × (number of the connected units + 1) or more                                                                                                                                                                               |
| Operating system     | For details, see the Sony Creative Software site or Sony Professional Products site (page 6).                                                                                                                                             |
| Other                | <ul style="list-style-type: none"> <li>• SuperSpeed USB (USB 3.2) (SuperSpeed USB host controller required.)<sup>a)</sup></li> <li>• Hi-Speed USB (USB 2.0) (Hi-Speed USB (USB 2.0) host controller required.)<sup>a) b)</sup></li> </ul> |

a) Compatible with the USB port of a Macintosh machine only.

b) When connecting this unit with a Hi-Speed USB (USB 2.0), an acceptable data-transfer rate may not be available.

## ODS-D280U

| Item                 | Requirement                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------|
| Processor            | 3rd Generation Intel Core i5 2.5 GHz or higher, or Intel Xeon 2.27 GHz or higher              |
| Memory               | 4 GB × (number of the connected units + 1) or more                                            |
| Free hard disk space | 32 GB + 32 GB × (number of the connected units + 1) or more                                   |
| Operating system     | For details, see the Sony Creative Software site or Sony Professional Products site (page 6). |
| Other                | SuperSpeed USB (USB 3.2) (SuperSpeed USB host controller required.) <sup>a)</sup>             |

a) Compatible with the USB port of a Macintosh machine only.

**ODS-D380U**

| Item                 | Requirement                                                                                                                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor            | 6th Generation Intel Core i5 2.3 GHz or higher, or Intel Xeon 2.0 GHz or higher                                                                                                                                                                                 |
| Memory               | 4 GB × (number of the connected units + 1) or more                                                                                                                                                                                                              |
| Free hard disk space | 64 GB + 64 GB × (number of the connected units + 1) or more                                                                                                                                                                                                     |
| Operating system     | For details, see the Sony Creative Software site or Sony Professional Products site (page 6).                                                                                                                                                                   |
| Other                | <ul style="list-style-type: none"> <li>• SuperSpeed USB 10 Gbps (USB 3.2) (SuperSpeed USB 10 Gbps (USB 3.2) host controller required.) <sup>a)</sup></li> <li>• SuperSpeed USB (USB 3.2) (SuperSpeed USB host controller required.) <sup>a) b)</sup></li> </ul> |

a) Compatible with the USB port of a Macintosh machine only.

b) When connecting this unit via SuperSpeed USB (USB 3.2), an acceptable data transfer rate may not be available.

**Linux****ODS-D55U/D77U/D77UA**

| Item                 | Requirement                                                                                                                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor            | Intel Core 2 Duo 2.66 GHz or higher, or Intel Xeon 2 GHz or higher                                                                                                                                                         |
| Memory               | 2 GB × (number of the connected units + 1) or more                                                                                                                                                                         |
| Free hard disk space | 32 GB + 16 GB × (number of the connected units + 1) or more                                                                                                                                                                |
| Operating system     | For details, see the Sony Creative Software site or Sony Professional Products site (page 6).                                                                                                                              |
| Other                | <ul style="list-style-type: none"> <li>• SuperSpeed USB (USB 3.2) (SuperSpeed USB host controller required.)</li> <li>• Hi-Speed USB (USB 2.0) (Hi-Speed USB (USB 2.0) host controller required.) <sup>a)</sup></li> </ul> |

a) When connecting this unit with a Hi-Speed USB (USB 2.0), an acceptable data-transfer rate may not be available.

**ODS-D280U**

| Item      | Requirement                                                                      |
|-----------|----------------------------------------------------------------------------------|
| Processor | 3rd Generation Intel Core i5 2.5 GHz or higher, or Intel Xeon 2.27 GHz or higher |
| Memory    | 4 GB × (number of the connected units + 1) or more                               |

| Item                 | Requirement                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------|
| Free hard disk space | 32 GB + 32 GB × (number of the connected units + 1) or more                                   |
| Operating system     | For details, see the Sony Creative Software site or Sony Professional Products site (page 6). |
| Other                | SuperSpeed USB (USB 3.2)<br>(SuperSpeed USB host controller required.)                        |

## ODS-D380U

| Item                 | Requirement                                                                                                                                                                                                                                       |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor            | 6th Generation Intel Core i5 2.3 GHz or higher, or Intel Xeon 2.0 GHz or higher                                                                                                                                                                   |
| Memory               | 4 GB × (number of the connected units + 1) or more                                                                                                                                                                                                |
| Free hard disk space | 64 GB + 64 GB × (number of the connected units + 1) or more                                                                                                                                                                                       |
| Operating system     | For details, see the Sony Creative Software site or Sony Professional Products site (page 6).                                                                                                                                                     |
| Other                | <ul style="list-style-type: none"> <li>SuperSpeed USB 10 Gbps (USB 3.2)<br/>(SuperSpeed USB 10 Gbps (USB 3.2) host controller required.)</li> <li>SuperSpeed USB (USB 3.2)<br/>(SuperSpeed USB host controller required.)<sup>a)</sup></li> </ul> |

a) When connecting this unit via SuperSpeed USB (USB 3.2), an acceptable data transfer rate may not be available.

*For more details of software, see page 22.*

### Notes

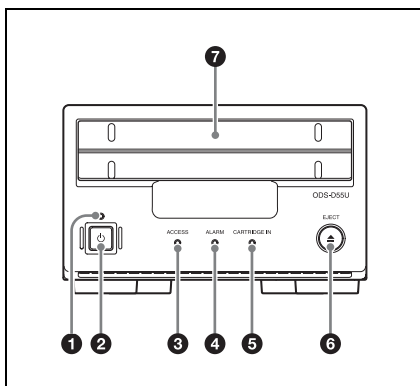
- The maximum number of connectable units is four.
- The operation is not guaranteed when connecting the unit via a USB hub.

# Names and Functions of Parts

## Chapter

# 2

## 2-1 Front Panel



### ① ② (power) indicator

Lights green when the ⏻ (power) button is on.

### ② ⏻ (power) button

Switches the power on and off.

### Notes

- Make sure you eject the cartridge from this unit before turning the power off. Be sure to eject the cartridge especially before moving this unit.
- If you turn the power off with the cartridge injected, the cartridge is ejected automatically. The ⏻ (power) indicator and CARTRIDGE IN indicator on the rear panel maintain lit. The CARTRIDGE

IN indicator on the front panel flashes four times a second. (ODS-D280U)

### ③ ACCESS indicator

Flashes blue when the media is being accessed from the computer. However, this indicator flashes once a second while writing the media management data to the media is being held after the media access is finished.

During this data write hold time, you can still perform the operations including ejection of the cartridge and an operation from the computer.

The operation is actually processed after the media management data writing is completed.

The media management data writing is held for about 5 seconds.

Upon expiration of the data write hold time shown above, the media management data writing begins even if you do not eject the cartridge or perform any operation from the computer.

### Note

Do not press the ⏻ (power) button to turn off, or do not disconnect either the power cord or USB cable while the ACCESS indicator is lighting or flashing. Doing so may lead to loss of data on the media.



**④ ALARM indicator**

If a fault occurs in the unit, this flashes red, as shown in the following table.

| Indicator                    | Meaning                                             |
|------------------------------|-----------------------------------------------------|
| Flashing four times a second | An error occurred (principally a hardware default). |
| Flashing once a second       | An alarm not listed above occurred.                 |

**Note**

The indicator may flash only for five seconds depending on the alarm.

*You can check alarms generated by this unit, using the alarm log of the utility software. For details, refer to Help in the Utility Software.*

*If the indicator is flashing four times a second, and it is not possible to check the alarm log, contact your Sony service representative.*

When the error is eliminated, the indicator goes off.

**⑤ CARTRIDGE IN indicator**

Lights green when a cartridge is injected.

Flashes green when a cartridge is ejected.

**⑥ EJECT button**

Ejects a cartridge (see page 21).

**Notes**

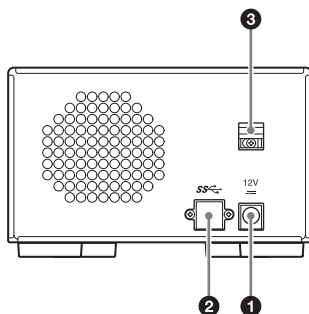
- This button is disabled while the media is being accessed. Either stop accessing the media before ejecting, or eject by an operation from the computer.
- When this unit is connected to a Macintosh/Linux computer, this button is disabled.

**⑦ Cartridge slot**

With the label facing up, inject the cartridge (see page 21).

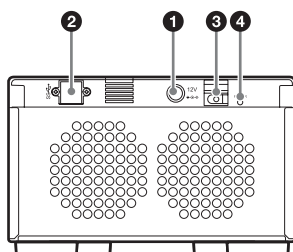
## 2-2 Rear Panel

### ODS-D55U

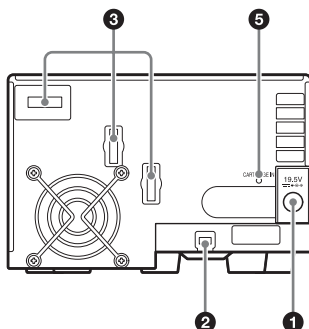


### ODS-D77U/D77UA

(The figure below is for ODS-D77U.)



### ODS-D280U/D380U



#### ① DC power inlet connector

Connect to the AC power using the AC adapter and a power cord.

(ODS-D55U/D77UA/D280U/D380U)

#### ② USB connector

**ODS-D55U/D77U/D77UA/D280U:**

SuperSpeed USB (USB 3.2)

**ODS-D380U:** SuperSpeed USB

10 Gbps (USB 3.2)

Use the supplied USB cable to connect to the computer.

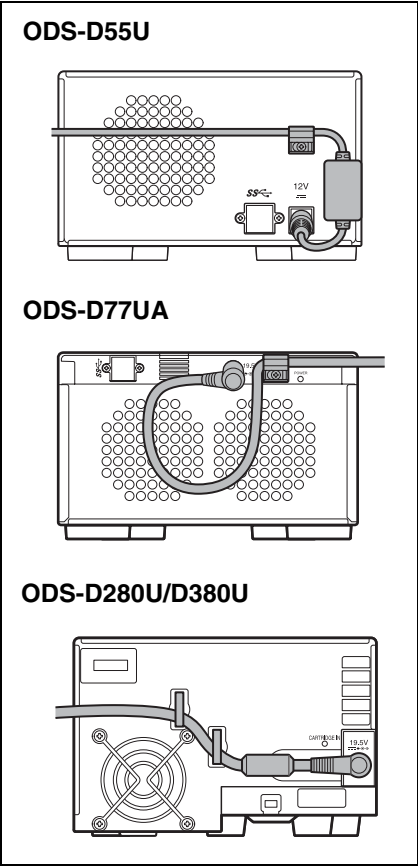
#### Notes

- If the unit is not recognized by the computer, try disconnecting and reconnecting the USB cable, making sure it is correctly inserted.
- On the ODS-D380U, use the supplied USB cable clamper to prevent disconnection of the USB cable. For details about using the USB cable clamper, see “Attaching the USB cable clamper (ODS-D380U)” (page 26).



**③ Cable clumper**

Use this clumper to fix the cable of the AC adapter.  
Clip the cable with the clumper as shown in the following figure.



**④ POWER indicator**

Lights green when the ⏻ (power) button is on.

**⑤ CARTRIDGE IN indicator**

Lights green when a cartridge is injected.

## 3-1 Setting Up the Unit

Make sure the unit is in a horizontal position when setting it up.

### Notes

- The unit cannot be set up in a vertical position or at an angle.
- If the unit is not sufficiently horizontal, an ALARM indicator may blink.
- If the ALARM indicator blinks, place the unit in a horizontal position, turn the power off, then turn the power on again.

## 3-2 Software Installation

To use this unit, the necessary software must first be installed on the computer to which it is connected.

### Note

Operation of Optical Disc Archive Software or the Utility Software may be unstable if installed on a computer with certain anti-virus software, anti-spyware tools or UDF 2.5 or UDF 2.6 file system drivers of a non-standard operating system.

If operation is unstable, check the settings and possible conflict with the above mentioned software, then change the settings accordingly.

## 3-2-1 Windows Installation

### To install the Optical Disc Archive Software, Utility Software, and Optical Disc Archive Filer

Download the Optical Disc Archive Software from the Sony Creative Software site or Sony Professional Products site (page 6).

#### Notes

- If an old version of the Optical Disc Archive Software is already installed, it must be uninstalled before you install the new version. Use “Add or Remove Programs” on the Control Panel to remove the old version of the Sony Optical Disc Archive Software. After doing so, be sure to restart the computer.
- After installation, the previous settings return to their default values.

## 3-2-2 Macintosh Installation

### To install the Optical Disc Archive Software, Utility Software, and Optical Disc Archive Filer

Download the Optical Disc Archive Software from the Sony Creative Software site or Sony Professional Products site (page 6).

#### Note

Installing the Optical Disc Archive Software and utility software overwrites a previous installation. Settings are preserved after the new installation.

## 3-2-3 Linux Installation

### To install the Optical Disc Archive Software and Utility Software

Download the Optical Disc Archive Software from the Sony Creative Software site or Sony Professional Products site (page 6).

#### Notes

- 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.
- 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.

## 3-3 Connections and Settings

### 3-3-1 Connecting to a Computer

By connecting this unit to a computer, you can use the utility software, and the other software.

*For a connection example, see 1-2 "Example of Use" (page 4).*

*For details about the recommended configurations of the computer to connect to this unit, check the technical note, which can be downloaded from the Sony Creative Software site (page 6).*

#### Notes

- Install the Optical Disc Archive Software (see page 16) in advance.
- To disconnect the ODS-D55U/D77U/D77UA/D280U/D380U from a Windows computer, run the "Safely Remove Hardware" dialog, and then disconnect the cable.
- If you start a Windows computer with the cartridge injected, the computer may fail in normal operation or run sluggishly.
- The computer may not start properly if the unit's power 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.

## 3-4 Power Preparations

This unit can be powered by the AC adapter.

Connect the AC adapter and a power cord to the DC power inlet connector (page 13) on the rear panel of the unit. (ODS-D55U/D77UA/D280U/D380U)

#### Note

It is not possible to power this unit through a USB cable.

# 3-5 Handling Media

## 3-5-1 Media Used for Reading and Writing

This unit can use the following Optical Disc Archive Cartridges and similar media.

| Cartridge                     | Media type | Read/write support                |               |            | No. of files which can be created |
|-------------------------------|------------|-----------------------------------|---------------|------------|-----------------------------------|
|                               |            | ODS-D55U<br>ODS-D77U<br>ODS-D77UA | ODS-D280U     | ODS-D380U  |                                   |
| ODC300R<br>Capacity: 300 GB   | Write-once | Read/Write                        | Read-only     | Read-only  | 60,000 or 240,000                 |
| ODC300RE<br>Capacity: 300 GB  | Rewritable | Read/Write                        | Read-only     | Read-only  | 60,000 or 240,000                 |
| ODC600R<br>Capacity: 600 GB   | Write-once | Read/Write                        | Read-only     | Read-only  | 60,000 or 240,000                 |
| ODC600RE<br>Capacity: 600 GB  | Rewritable | Read/Write                        | Read-only     | Read-only  | 60,000 or 240,000                 |
| ODC1200RE<br>Capacity: 1.2 TB | Rewritable | Read/Write                        | Read-only     | Read-only  | 60,000 or 240,000                 |
| ODC1500R<br>Capacity: 1.5 TB  | Write-once | Read/Write                        | Read-only     | Read-only  | 60,000 or 240,000                 |
| ODC3300R<br>Capacity: 3.3 TB  | Write-once | Not supported                     | Read/Write    | Read/Write | 480,000                           |
| ODC5500R<br>Capacity: 5.5 TB  | Write-once | Not supported                     | Not supported | Read/Write | 800,000                           |

## Notes

- Deleting files from the media will not increase the available storage space for either write-once or rewritable type cartridges.
- In the case of write-once type cartridges, pay attention to the following points.
  - Reformatting the media will not increase the available storage space.
  - Repetitive file writing will consume the available writable space (for writing the media management data, etc.) on the media. If there is no available writable space on the media, file writing may be disabled, even if sufficient storage space remains.
  - No file can be written after the media is finalized.
- For ODC5500R cartridges, the number of files that can be created is 800,000. For ODC3300R cartridges, the maximum number of files is 480,000.
- The cartridges other than ODC3300R/5500R allows you to select the number of files (60,000 or 240,000) which can be created during formatting.
- Rewritable media allows you to select the number of files that can be created during reformatting, while write-once media does not. The number of files (800,000 for ODC5500R, 480,000 for ODC3300R and 60,000 or 240,000 for the other cartridges) that can be created is retained when formatting for the first time.
- For the cartridges other than ODC3300R/5500R, if the media has been formatted when the number of files which can be created is 240,000, depending on the recover file functions, the recovery rate may

not be as good as the rate for 60,000 files.

- Do not inject ODC3300R/5500R into ODS-D55U/ODS-D77U/ODS-D77UA. If it is injected, this may cause damage to the unit.
- ODS-D280U/D380U is not available for formatting a cartridge that supports only reading.

## 3-5-2 Notes on Handling

### Handling

The Optical Disc Archive Cartridge houses multiple discs in a shell and is designed to allow handling free of risk from dust or fingerprints. However, if the cartridge is subjected to a severe shock, for example by dropping it, this can result in damage or scratching of the discs. If a disc is scratched, it may be impossible to write data, or to read the data written on the disc. The cartridge should be handled and stored carefully.

- Do not remove any discs from the cartridge.
- Do not disassemble the cartridge.
- If the disc order in a cartridge is changed, or other discs are substituted, the cartridge will no longer be recognized by the unit and cannot be used.
- The supplied adhesive labels are recommended for indexing cartridges. Apply the label in the correct position.

### Storage

- Do not store cartridges where they may be subjected to direct sunlight, or in other places where the temperature or humidity is high.
- Do not leave cartridges where dust may be able to gain ingress.
- Store cartridges in their cases.

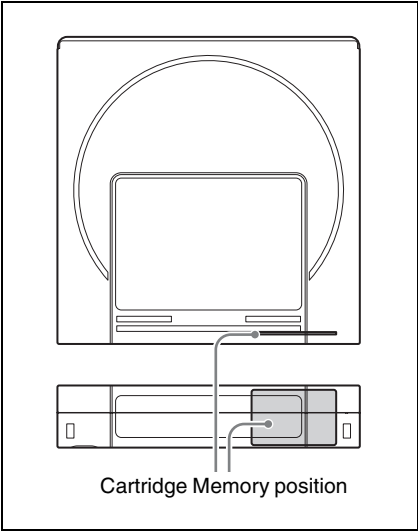
Care of the cartridge

- Remove dust and dirt on the outside of a cartridge using a soft dry cloth.
- If condensation forms, allow ample time to dry before use.

3-5-3 Cartridge Memory

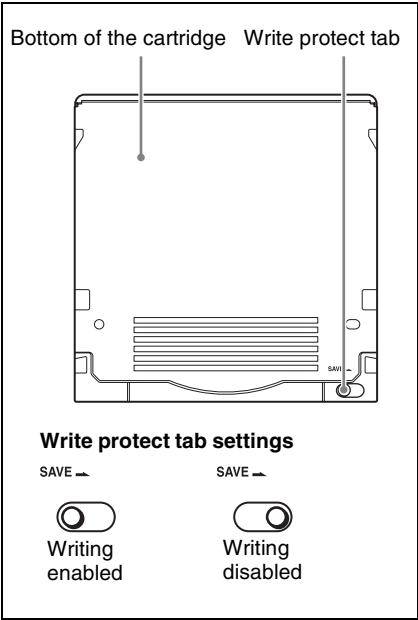
The Optical Disc Archive Cartridge includes the Cartridge Memory, which enables contactless communication with this unit.

The basic information of a cartridge is written in the Cartridge Memory. Using the application software will enable the user-data to be written/read in the future.



3-5-4 Write-Protecting Media

To prevent erasing contents of recorded media accidentally, slide the Write protect tab on the bottom of the cartridge (rear of label side) in the direction of the arrow, as shown in the following figure.



You can also perform the write-protect settings for media with Utility Software and File Manager.

If either the Write protect tab or the software is set to prohibit writing, the media remains in write-prohibit state.

## 3-5-5 Injecting or Ejecting a Cartridge

### On a Windows computer

To inject or eject a cartridge, press the  (power) button to turn the unit on and light the indicator, and follow the procedures indicated in the following illustration.

### On a Macintosh/Linux computer

To inject a cartridge, press the  (power) button to turn the unit on and light the indicator, and follow the procedures indicated in the following illustration.

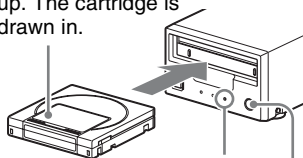
To eject a cartridge, click the  (Eject) icon displayed at the right end of the tree display on the device screen of the Utility Software.

### Notes

- If you inject an unformatted cartridge, it will be formatted automatically.
- When the unit is being recovered from a formatting error, the ALARM indicator on the front panel flashes once a second, and the ACCESS indicator flashes four times a second. Do not turn the power off during recovery. (ODS-D280U/D380U)
- When a file on the media is being operated, cartridge ejecting is restricted by the software on the Windows/Macintosh computer.
- If the cartridge cannot be ejected even if you press the EJECT button, turn the power off and on, then press the EJECT button. If the problem persists, contact your Sony service representative without transporting the unit.

#### To load

Inject the cartridge with its label facing up. The cartridge is drawn in.



CARTRIDGE IN indicator

#### To unload

Press the EJECT button.<sup>a)</sup>

When a cartridge is injected, the CARTRIDGE IN indicator lights.

a) Windows only

## 4-1 Starting and Exiting the Utility Software

### 4-1-1 Starting/Displaying

First make sure that this unit is connected to the computer.

*For connection details, see 3-3-1 “Connecting to a Computer” (page 17).*

#### On a Windows computer

With the computer connected to this unit, carry out any of the following.

- If you created a shortcut icon on the desktop when you installed this software, double click the icon.
- Click the [Start] button on the computer and then select “Sony Optical Disc Archive Software” > “Optical Disc Archive Utility”.

#### On a Macintosh computer

Open the folder in which the Utility Software is installed, and then double click on the executable file of the Utility Software.

#### On a Linux computer

With the computer connected to this unit, carry out any of the following.

- Click the [Applications] menu on the computer and then select “Optical Disc Archive Utility” from “System tools”.
- Run “odautility” from the directory (/user/bin/odautility) where the Utility Software is installed.

This displays the home window of the Utility Software.

### 4-1-2 Exiting/Closing the Console Window

With the computer connected to this unit, carry out any of the following.

#### On a Windows computer

- Click the × (close) button in the top right corner of the window.
- Right click the title bar and select “Close” from the context menu.
- With this software activated, press Alt + F4 (press the F4 key while holding down the Alt key).
- Select “View” > “Close” from the menu bar.

#### On a Macintosh computer

- Select “Quit Optical Disc Archive Utility Software” from the Optical Disc Archive Utility menu.
- Click the title bar’s [Close] button.
- With this software activated, press Command + Q (press the Q key while holding down the Command key).

### On a Linux computer

- Click the × (close) button in the top right corner of the window.
- Right click the title bar and select “Close (C)”.
- With this software activated, press Alt + F4 (press the F4 key while holding down the Alt key).
- Select “View” > “Close” from the menu bar.

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## 4-2 Starting and Exiting the Optical Disc Archive Filer

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### 4-2-1 Starting

To start this software, carry out any of the following.

#### On a Windows computer

- Click the [Start] button on the computer and then select “Sony Optical Disc Archive Software” > “Optical Disc Archive Filer”.
- Open the folder in which the software is installed, and then double click ODAFiler.exe.
- If you created a shortcut icon on the desktop when you installed this software, double click the icon.

#### On a Macintosh computer

- Select “Dock” > “Optical Disc Archive Filer”.
- Select Application folder > “Optical Disc Archive Filer”.

#### Note

The Optical Disc Archive Filer cannot be started when Content Manager or File Manager is in use.

---

## 4-2-2 Exiting

Carry out any of the following.

### On a Windows computer

- Click the × (close) button in the top right corner of the window.
- Right click the title bar and select “Close” from the context menu.
- With this software activated, press Alt + F4 (press the F4 key while holding down the Alt key).
- Select “File” > “Close” from the menu bar.

### On a Macintosh computer

- Click the × (close) button in the top left corner of the window.
- Click the menu bar and select “Optical Disc Archive Filer” > “Quit Optical Disc Archive Filer” from the menu.
- With this software activated, press Command + Q (press the Q key while holding down the Command key).

# Appendix

## Important Notes on Operation

### Condensation

When this unit and cartridges are moved from a cold place to a warmer place, or operated in high humidity, condensation may form on the optical pickup and discs. If the unit is operated in this state, correct reading and writing may be impossible.

### About reducing the risk of knocking this unit

Do not knock this unit. In addition, applying shock to the unit with a cartridge injected may cause damage to the discs.

### Shipping and transportation of the unit

Always remove the cartridges when shipping or transporting the unit. If the unit is transported with the cartridges inserted, the unit or the disc may become damaged.

Do not lift the unit with your hand inside in the cartridge insertion slot. Doing so may deform the lid, and adversely affect function and performance.

### About the read time of files

- When accessing multiple files at the same time, disc swapping may occur frequently. This will reduce the data transfer rate and increase the total time of operation significantly.
- When accessing a single file, disc swapping may also occur, depending on the recording position in the cartridge. This will take time before starting to read the file.

### About the write time of files

When writing small capacity files (less than 100 MB) numerous and continuously, it will take longer for the writing to finish. In this case, setting the operation mode "Synchronize management data to media immediately after completion of writing files" to off, will improve the writing performance and the utilization rate. However, if the malfunction (such as a power failure) occurs, the file recovery capability will be decreased.

## Replacing the air filter (ODS-D280U/D380U)

If the air filter replacement alarm (3F-511) occurs, replace the air filter immediately.

### Notes

- Continued use in this state may cause read/write errors and may lead to failure.
- The air filter replacement schedule will vary with the usage environment.
- Before replacing the air filter, always eject all cartridges from the unit and power off the unit.

*For details about the air filter replacement procedure and actions after replacement, refer to the Installation Manual supplied with the replacement air filter.*

*For details about obtaining an air filter and air filter replacement, consult your local Sony service or sales representative.*

## Parts with limited service life

The drive units contain parts with a limited service life (optical block, motor, etc.).

These parts may wear and deteriorate due to prolonged use.

The service life of each part varies depending on the environment (high temperature) used and the usage frequency.

If there is significant deterioration or wear, functionality may be impaired and replacement may be necessary to maintain product performance.

## Long-term loading of cartridges

Eject the cartridges from the unit if the unit will be connected to a computer for lengthy intervals without reading or writing data. The cartridges may be accessed, depending on the software installed on the computer, even if you do not intentionally read or write. This may lead to early replacement of the optical head or may adversely affect the media.

## Attaching the USB cable clamber (ODS-D380U)

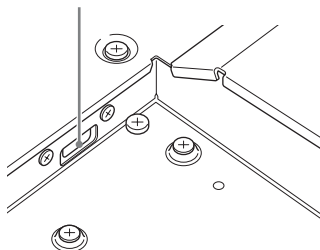
Attach the USB cable clamber to prevent disconnection of the USB cable.

### Note

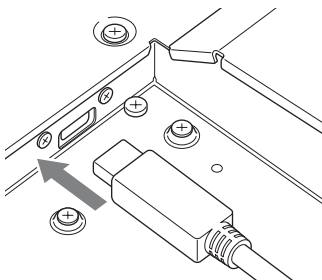
The supplied USB cable clamber supports the supplied USB cable only. It may not attach to commercially available USB cables.

- 1 Place the ODS-D380U upside down.

USB connector (Type C)



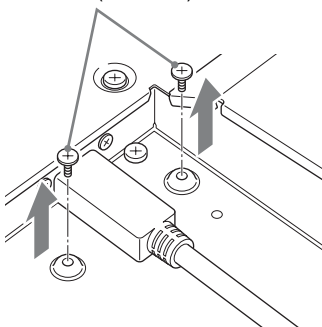
- 2 Insert the supplied USB cable all the way into the USB connector.



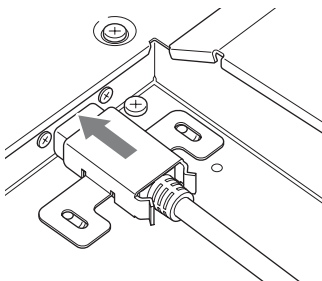
- 3** Unscrew and remove the two screws on the left and right of the USB cable using a flat blade screwdriver.

Keep the removed screws nearby for later use.

2 screws (M2 × 2.7)



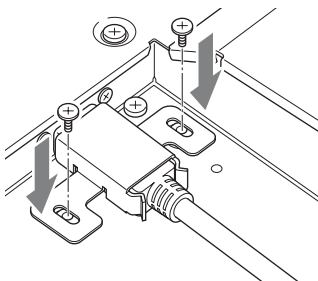
- 4** Position the supplied USB cable clumper, as shown in the following diagram, and attach by pushing in the direction of the arrow.



- 5** Pass the screws removed in step 3 through the holes in the USB cable clumper, align with the screw holes on the unit, insert and tighten the screws.

**Note**

Overtightening the screws may damage the slot of the screw.



- 6** If the USB cable is loose, unscrew the screws and repeat from step 4.

# Specifications

## General

Power requirements

- ODS-D55U/D77U: 12 V
- ODS-D77UA/D280U/  
D380U: 19.5 V

Power consumption (max.)

- ODS-D55U: 20 W
- ODS-D77U: 45 W
- ODS-D77UA: 48 W
- ODS-D280U: 80 W
- ODS-D380U: 105 W

Operating temperature

5°C to 40°C (41°F to 104°F)

Storage temperature

–20°C to +60°C (–4°F to +140°F)

Operating relative humidity

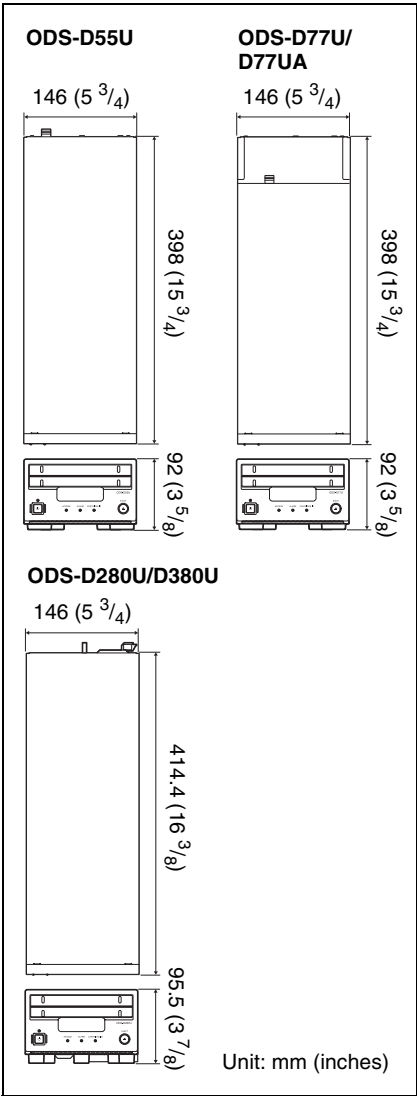
20% to 90%

Mass

- ODS-D55U: 4 kg (8 lb 13 oz)
- ODS-D77U/D77UA: 4.3 kg  
(9 lb 7.7 oz)
- ODS-D280U/D380U: 4.8 kg  
(10 lb 9.3 oz)

External dimensions (w/h/d)

- ODS-D55U/D77U/D77UA:  
146 mm × 92 mm × 398 mm  
(5 3/4 inches × 3 5/8 inches ×  
15 3/4 inches)
- ODS-D280U/D380U:  
146 mm × 95.5 mm ×  
414.4 mm (5 3/4 inches ×  
3 7/8 inches ×  
16 3/8 inches)



## Storage File Formats

Supports any file format

Supported media for writing and reading

- ODC300R: 300GB
    - Write-once, 60,000 or 240,000 files can be created
  - ODC300RE: 300GB
    - Rewritable, 60,000 or 240,000 files can be created
  - ODC600R: 600GB
    - Write-once, 60,000 or 240,000 files can be created
  - ODC600RE: 600GB
    - Rewritable, 60,000 or 240,000 files can be created
  - ODC1200RE: 1.2TB
    - Rewritable, 60,000 or 240,000 files can be created
  - ODC1500R: 1.5TB
    - Write-once, 60,000 or 240,000 files can be created
  - ODC3300R: 3.3TB
    - Write-once, 480,000 files can be created
  - ODC5500R: 5.5 TB
    - Write-once, 800,000 files can be created
- And equivalences to above

Note

Calculated based on 1 GB = 1,000,000,000 bytes. After formatting, the actual usable capacity will be smaller than the capacity shown above.  
The usable capacity may be reduced, depending on the situation; for example, recording a large number of files.  
The usable capacity may decrease, depending on recorded file size.

Output/input connector

- USB connector
  - ODS-D55U/D77U/D77UA/D280U:
    - SuperSpeed USB (USB 3.2)
  - ODS-D380U:
    - SuperSpeed USB 10 Gbps (USB 3.2)

Supplied accessories

- Operation Guide (1)
- Operation manual CD-ROM (1)
- Serial number (for authentication of Content Manager) (1)
- AC adapter
  - ODS-D55U: (1) (except for U.S. and Canadian models)
  - ODS-D77UA/D280U/D380U: (1)
- USB cable
  - ODS-D55U/D77U/D77UA/D280U: (1)
  - ODS-D380U:
    - Type C-Type C (Sony) (1)
    - Type A-Type C (Sony) (1)
- USB cable clamper
  - ODS-D380U: (1)

Optional accessories

- AC power cord
  - ODS-D55U/D77UA/D280U/D380U:
    - For the customers in the U.S.A. and Canada
      - Part No. 1-757-562-1x (125 V, 7 A, about 2.0 m)
    - For the customers in European countries
      - Part No. 1-575-131-8x (250 V, 2.5 A, about 2.0 m)
- Optical Disc Archive Cartridge
  - ODC300R (300 GB, write-once type)
  - ODC300RE (300 GB, rewritable type)

ODC600R (600 GB, write-once type)  
 ODC600RE (600 GB, rewritable type)  
 ODC1200RE (1.2 TB, rewritable type)  
 ODC1500R (1.5 TB, write-once type)  
 ODC3300R (3.3 TB, write-once type)  
 ODC5500R (5.5 TB, write-once type)

Additional serial number

Air filter

ODS-D280U/D380U:  
 Part No. A-2181-544-x

Design and specifications are subject to change without notice.

#### Notes

- Always make a test recording, and verify that it was recorded successfully.  
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- Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.
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ODS-D55U/D77U/  
D77UA/D280U/D380U  
(SYM)  
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