

Optical Disc Archive Drive Unit

Operation Guide

Before operating the unit, please read this guide thoroughly and retain it for future reference.

ODS-D55U/D77U/D77UA/D280U



Optical Disc Archive
© 2013 Sony Corporation Printed in Japan



WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

WARNING

When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power plug to an easily accessible socket-outlet near the unit. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power plug.

- When installing the installation space must be secured in consideration of the ventilation and service operation.
- Do not block the ventilation slots at the front/rear/bottom panels, and vents of the fans.
 - Leave a space around the unit for ventilation.
 - Leave more than 40 cm of space in the rear of the unit to secure the operation area.

When the unit is installed on the desk or the like, leave at least 4 cm of space in the left and right sides. Leaving 40 cm or more of space above the unit is recommended for service operation.

WARNING: THIS WARNING IS APPLICABLE FOR USA ONLY.
If used in USA, use the UL LISTED power cord specified below.
DO NOT USE ANY OTHER POWER CORD.

Plug Cap	Parallel blade (NEMA 1-15P Configuration)
Cord	Type NISPT-2 or SPT-2, two 16 or 18 AWG wires
Length	Minimum 1.5 m (4 ft 11 in), Less than 2.5 m (8 ft 3 in)
Rating	Minimum 7A, 125V

Using this unit at a voltage other than 120V may require the use of a different line cord or attachment plug, or both. To reduce the risk of fire or electric shock, refer servicing to qualified service personnel.

WARNING: THIS WARNING IS APPLICABLE FOR OTHER COUNTRIES.
1. Use the approved Power Cord (2-core mains lead) / Appliance Connector / Plug that conforms to the safety regulations of each country if applicable.

- 2.** Use the Power Cord (2-core mains lead) / Appliance Connector / Plug conforming to the proper ratings (Voltage, Ampere).
If you have questions on the use of the above Power Cord / Appliance Connector / Plug, please consult a qualified service personnel.

IMPORTANT

The nameplate is located on the bottom (ODS-D55U).
The nameplate is located on the top (ODS-D77U).
The nameplate is located on the top (ODS-D77UA).
The nameplate is located on the rear (ODS-D280U).

For the customers in the U.S.A.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of part 15 of FCC Rules.

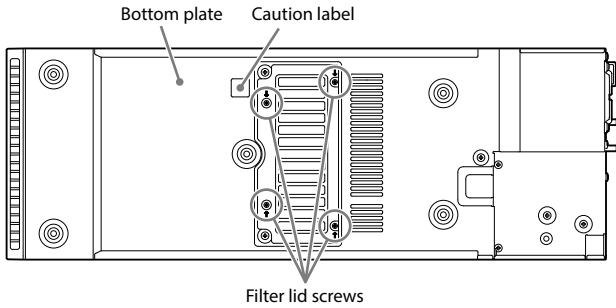
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note (ODS-D280U)

When replacing the air filter, remove the four filter lid screws that are attached to the bottom plate. Removing screws other than those specified may pose a risk of exposure to Class 3B laser radiation. For details about the air filter replacement procedure, refer to the Installation Manual supplied with the replacement air filter.



For the customers in Canada

CAN ICES-3 (A)/NMB-3(A)

WARNING

Operation of this equipment in a residential environment could cause radio interference.

This apparatus shall not be used in the residential area.

Caution

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



This Optical Disc Archive Drive Unit is classified as a CLASS 1 LASER PRODUCT.

Tämä Optisen levyarkiston ohjain on luokiteltu 1. LUOKAN LASERTUOTTEEKSI.

Den här Optisk diskenhet för arkivering klassificeras som en LASERPRODUKT AV KLASS 1.

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

WARNING

OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.

Laser Diode Properties

ODS-D55U/D77U/D77UA
Wavelength: 400 to 410 nm
Emission duration: Continuous
Laser output power: 280 mW (max. of pulse peak), 150 mW (max. of CW)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)
ODS-D280U
Wavelength: 400 to 410 nm
Emission duration: Continuous
Laser output power: 388 mW (max. of pulse peak), 150 mW (max. of CW)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Egenskaber for laserdiode

ODS-D55U/D77U/D77UA
Bølgelængde: 400 til 410 nm
Strålingsvarighed: Kontinuerlig
Afgivet lasereffekt: 280 mW (maks. for impulstop), 150 mW (maks. for kontinuerlig bølge)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)
ODS-D280U
Bølgelængde: 400 til 410 nm
Strålingsvarighed: Kontinuerlig
Afgivet lasereffekt: 388 mW (maks. for impulstop), 150 mW (maks. for kontinuerlig bølge)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Laserdiod - Egenskaper

ODS-D55U/D77U/D77UA
Våglängd: 400 - 410 nm
Strålningens varaktighet: Kontinuerlig
Lasereffekt: 280 mW (max. för pulstopp), 150 mW (max. för kontinuerlig våg)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)
ODS-D280U
Våglängd: 400 - 410 nm
Strålningens varaktighet: Kontinuerlig
Lasereffekt: 388 mW (max. för pulstopp), 150 mW (max. för kontinuerlig våg)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Egenskaper for laserdiode

ODS-D55U/D77U/D77UA
Bølgelengde: 400 till 410 nm
Strålingsvarighet: Uavbrutt
Utgangseffekt for laser: 280 mW (maks stråletoppunkt), 150 mW (maks ved kontinuerlig stråling)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)
ODS-D280U
Bølgelengde: 400 till 410 nm
Strålingsvarighet: Uavbrutt
Utgangseffekt for laser: 388 mW (maks stråletoppunkt), 150 mW (maks ved kontinuerlig stråling)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Caution

The use of optical instruments with this product will increase eye hazard.

For the customers in UAE

ODS-D280U
This product is classified as a Class 1 Laser product under IEC 60825-1:2007 (Ed2.0), IEC 60825-1:2014 (Ed3.0)

This label is located on side surface of the product.



For the customers in Europe

Hereby, Sony Corporation, declares that ODS-D55U/D77U/D77UA/D280U is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC.
For details, please access the following URL: <http://www.compliance.sony.de/>

Voor de klanten in Europa

Hierbij verklaart Sony Corporation dat het toestel ODS-D55U/D77U/D77UA/D280U in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Nadere informatie kunt u vinden op: <http://www.compliance.sony.de/>

För kunder i Europa

Härmed intygar Sony Corporation att ODS-D55U/D77U/D77UA/D280U står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
För ytterligare information gå in på följande hemsida:
<http://www.compliance.sony.de/>

Para clientes na Europa

Sony Corporation declara que este ODS-D55U/D77U/D77UA/D280U está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Para mais informacoes, por favor consulte a seguinte URL:
<http://www.compliance.sony.de/>

For kunder i Europa

Undertegnede Sony Corporation erklærer herved, at følgende udstyr ODS-D55U/D77U/D77UA/D280U overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
For yderligere information gå ind på følgende hjemmeside:
<http://www.compliance.sony.de/>

Asiakkaille Euroopassa

Sony Corporation vakuuttaa täten että ODS-D55U/D77U/D77UA/D280U tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Halutessasi lisätietoja, käy osoitteessa: <http://www.compliance.sony.de/>

For kunder i Europa

Sony Corporation erklærer herved at ODS-D55U/D77U/D77UA/D280U er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
For flere detaljer, vennligst se: <http://www.compliance.sony.de/>

Για τους καταναλωτές στην Ευρώπη

Με την παρούσα η Sony Corporation δηλώνει ότι ODS-D55U/D77U/D77UA/D280U συμμορφώνεται προς της ουσιώδεις απαιτήσεις και τις λοιπές σχετικές διατάξεις της οδηγίας 1999/5/EK.
Για λεπτομέρειες παρακαλούμε όπως ελέγξετε την ακόλουθη σελίδα του διαδικτύου: <http://www.compliance.sony.de/>

За клиентите в Европа

С настоящето Сони Корпорация декларира, че ODS-D55U/D77U/D77UA/D280U отговаря на основните изисквания и другите съответстващи клаузи на Директива 1999/5/EC.
Подробности може да намерите на Интернет страницата :
<http://www.compliance.sony.de/>.

Pro zákazníky v Evropě

Sony Corporation tímto prohlašuje, že tento ODS-D55U/D77U/D77UA/D280U je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Podrobnosti lze získat na následující URL: <http://www.compliance.sony.de/>

Klientidele Euroopas

Sony Corporation kinnitab käesolevaga seadme ODS-D55U/D77U/D77UA/D280U vastavust 1999/5/EÜ direktiivi põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Üksikasjalikum info: <http://www.compliance.sony.de/>.

Európai ügyfeleinknek

Alulírott, Sony Corporation nyilatkozom, hogy a(z) ODS-D55U/D77U/D77UA/D280U megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
További információkat a következő weboldalon találhat:
<http://www.compliance.sony.de/>

Klientiem Eiropā

Ar šo Sony Corporation deklarē, ka ODS-D55U/D77U/D77UA/D280U atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Plašāka informācija ir pieejama: <http://www.compliance.sony.de/>

Europos klientams

Šīuo Sony Corporation deklaruoja, kad šis ODS-D55U/D77U/D77UA/D280U atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Susipažinti su visu atitikties deklaracijos turiniu Jūs galite interneto tinklalapyje:
<http://www.compliance.sony.de/>

Dla klientów w Europie

Niniejszym Sony Corporation oświadcza, że ODS-D55U/D77U/D77UA/D280U jest zgodne z zasadniczymi wymaganiami oraz innymi stosownymi postanowieniami Dyrektywy 1999/5/WE.
Szczegółowe informacje znaleźć można pod następującym adresem URL:
<http://www.compliance.sony.de/>

Pentru clienții din Europa

Prin prezenta, Sony Corporation declară că ODS-D55U/D77U/D77UA/D280U respectă cerințele esențiale și este în conformitate cu prevederile Directivei 1999/5/EC.

Pentru detalii, vă rugăm accesați următoarea adresă:
http://www.compliance.sony.de/

Pre zákazníkov v Európe

Sony Corporation týmto vyhlasuje, že ODS-D55U/D77U/D77UA/D280U spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES. Podrobnosti získate na nasledovnej webovej adrese:
http://www.compliance.sony.de/

Za stranke v Evropi

Sony Corporation izjavlja, da je ta ODS-D55U/D77U/D77UA/D280U v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES. Za podrobnosti vas naprošamo, če pogledate na URL:
http://www.compliance.sony.de/

Avrupa'daki müşteriler için

Sony Corporation, ODS-D55U/D77U/D77UA/D280U ürünü için gerekli tüm testleri 1999/5/EC Direktifine göre yapmış bulunmaktadır. Daha detaylı bilgi için lütfen web sayfasını ziyaret ediniz:
URL: http://www.compliance.sony.de/

Za korisnike u Europi

Ovime Sony Corporation izjavljuje da je ODS-D55U/D77U/D77UA/D280U u skladu s osnovnim zahtjevima i ostalim relevantnim odredbama direktive 1999/5/EZ. Dodatne informacije potražite na sljedećoj internet adresi:
http://www.compliance.sony.de/

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

For the customers in the U.S.A.
SONY LIMITED WARRANTY - Please visit <http://www.sony.com/psa/warranty> for important information and complete terms and conditions of Sony's limited warranty applicable to this product.

For the customers in Canada
SONY LIMITED WARRANTY - Please visit <http://www.sonybiz.ca/pro/lang/en/ca/article/resources-warranty> for important information and complete terms and conditions of Sony's limited warranty applicable to this product.

For the customers in Europe
Sony Professional Solutions Europe - Standard Warranty and Exceptions on Standard Warranty. Please visit <http://www.pro.sony.eu/warranty> for important information and complete terms and conditions.

For the customers in Korea
SONY LIMITED WARRANTY - Please visit <http://bpeng.sony.co.kr/handler/BPAS-Start> for important information and complete terms and conditions of Sony's limited warranty applicable to this product.

Reading the operation manual

Refer to the supplied CD-ROM for more details about the operation manual (PDF) of this unit.

Using the CD-ROM manual

The manual can be read on a computer with Adobe Reader installed. You can download Adobe Reader free from the Adobe website.

- 1

Open the index.html file in the CD-ROM.
- 2

Select and click on the manual that you want to read.

Note

If you have lost or damaged the CD-ROM, you can purchase a new one from your Sony dealer or Sony service counter.

Specifications

General	
Power requirements	ODS-D55U/D77U: 12 V ODS-D77UA/D280U: 19.5 V
Power consumption (max.)	ODS-D55U: 20 W ODS-D77U: 45 W ODS-D77UA: 48 W ODS-D280U: 80 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: 4.8 kg (10 lb 9.3 oz)
External dimensions (w/h/d)	See“ External dimensions”

Storage File Formats
Supports any file format
Supported media for writing and reading

Cartridge	Media type	Availability of writing/reading		No. of files which can be created
		ODS-D55U ODS-D77U ODS-D77UA	ODS-D280U	
ODC300R Capacity: 300GB	Write-once	Writing Reading	Not supported	60,000 or 240,000
ODC300RE Capacity: 300GB	Rewritable	Writing Reading	Not supported	60,000 or 240,000
ODC600R Capacity: 600GB	Write-once	Writing Reading	Not supported	60,000 or 240,000
ODC600RE Capacity: 600GB	Rewritable	Writing Reading	Not supported	60,000 or 240,000
ODC1200RE Capacity: 1.2TB	Rewritable	Writing Reading	Only reading	60,000 or 240,000
ODC1500R Capacity: 1.5TB	Write-once	Writing Reading	Only reading	60,000 or 240,000
ODC3300R Capacity: 3.3TB	Write-once	Not supported	Writing Reading	480,000

And equivalences to above

Note

Calculated based on 1 GB = 1,000,000,000 bytes. After formatting, the actual 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.

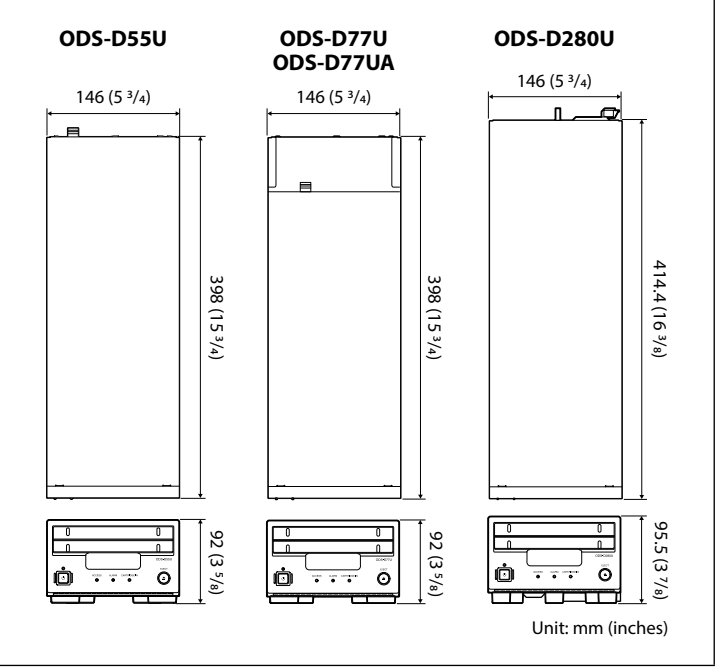
Output/input connector USB Connector (SuperSpeed USB (USB 3.0) support) Supplied accessories Operation Guide (1) Operation manual CD-ROM (1) Serial number (for authentication of Content Manager) (1) AC adapter	ODS-D55U Part No. 1-489-388-1x (1) (except for U.S. and Canadian models) ODS-D77UA Part No. 1-493-004-3x (1) ODS-D280U Part No. A-2165-887-x (1) Part No. 1-839-351-1x (Sony) (1)
USB cable Optional accessories AC power cord	ODS-D55U/D77UA/D280U 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 (300GB, write-once type) ODC300RE (300GB, rewritable type) ODC600R (600GB, write-once type) ODC600RE (600GB, rewritable type) ODC1200RE (1.2TB, rewritable type) ODC1500R (1.5TB, write-once type) ODC3300R (3.3TB, write-once type)
Additional serial number	ODS-D280U Part No. A-2181-544-x (Parts available from July, 2017)
Air filter	

Design and specifications are subject to change without notice.

Notes

- Always make a test recording, and verify that it was recorded successfully. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF FAILURE OF THIS UNIT OR ITS RECORDING MEDIA, EXTERNAL STORAGE SYSTEMS OR ANY OTHER MEDIA OR STORAGE SYSTEMS TO RECORD CONTENT OF ANY TYPE.
- 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.
- SONY WILL NOT BE LIABLE FOR CLAIMS OF ANY KIND MADE BY USERS OF THIS UNIT OR MADE BY THIRD PARTIES.
- SONY WILL NOT BE LIABLE FOR THE LOSS, REPAIR, OR REPRODUCTION OF ANY DATA RECORDED ON THE INTERNAL STORAGE SYSTEM, RECORDING MEDIA, EXTERNAL STORAGE SYSTEMS OR ANY OTHER MEDIA OR STORAGE SYSTEMS.
- SONY WILL NOT BE LIABLE FOR THE TERMINATION OR DISCONTINUATION OF ANY SERVICES RELATED TO THIS UNIT THAT MAY RESULT DUE TO CIRCUMSTANCES OF ANY KIND.

External dimensions



For the Customers in Taiwan

警告使用者：

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

ODS-D280U

設備名稱：專業藍光卡匣存取機						
單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁺⁶)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
印刷電路板	—	○	○	○	○	○
外殼	—	○	○	○	○	○
驅動單元	—	○	○	○	○	○
電源供應單元	—	○	○	○	○	○
附配件	—	○	○	○	○	○
備考1. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。						
備考2. “—” 係指該項限用物質為排除項目。						