

Optical Disc Archive Utility

帮助

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

关于 Optical Disc Archive Software

概述

本软件可在连接至 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 的计算机上对 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 执行以下功能。

- **信息显示功能**
 - 驱动器信息
 - 媒体信息
- **设置功能**
 - 操作模式设置
 - 针对使用磁盘盒存储器的媒体的写保护设置
- **媒体操纵功能**
 - 还原
 - 格式化
 - 最终化
 - 恢复文件
 - 复制卷
- **维护功能**
 - 更新固件
 - 日志显示和导出
 - 系统检查

相关手册

OPERATION MANUAL

本手册随 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 一起提供。

手册中描述了如何使用 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 及随附的软件。

系统要求

本软件需要能够满足以下要求的计算机系统。

项目	要求
处理器	ODS-D55U/D77U/D77UA : Intel Core 2 Duo 2.66 GHz 或更高, 或者 Intel Xeon 2.0 GHz 或更高 ODS-D280U : 第 3 代 Intel Core i5 2.5 GHz 或更高, 或者 Intel Xeon 2.27 GHz 或更高 ODS-D380U : 第 6 代 Intel Core i5 2.3 GHz, 或者 Intel Xeon 2.0 GHz 或更高
存储器	ODS-D55U/D77U/D77UA : 2 GB × (连接装置数 +1) 或更大 ODS-D280U/D380U : 4 GB × (连接装置数 +1) 或更大
安装目标位置剩余空间	ODS-D55U/D77U/D77UA : 32 GB + 16 GB × (连接装置数 +1) 或更大 ODS-D280U : 32 GB + 32 GB × (连接装置数 +1) 或更大 ODS-D380U : 64 GB + 64 GB × (连接装置数 +1) 或更大
操作系统	请访问 Sony 专业产品网站 ^{a)} 。
其它	ODS-D55U/D77U/D77UA : 高速 USB (USB 2.0) (需要高速 USB (USB 2.0) 主控制器) 超速 USB (USB 3.2) (需要超速 USB 主控制器) ODS-D280U : 超速 USB (USB 3.2) (需要超速 USB 主控制器) ODS-D380U : 超速 USB 10 Gbps (USB 3.2) (需要超速 USB 10 Gbps (USB 3.2) 主控制器) 超速 USB (USB 3.2) ^{b)} (需要超速 USB 主控制器)

a) Sony 专业产品网站

日本

<https://www.sony.jp/professional/>

除日本以外的国家 / 地区

<https://pro.sony/product-resources/product-resources-search/>

(在页面底部的 [Change Country, Region or Language] 下选择您所在的区域和语言。此外, 还可以通过搜索目标型号名称 (例如 “ODS-380U”) 来获取此软件和文档。)

b) 超速 USB (USB 3.2) 连接可能无法达到预期的传输速度。

建议的 PC 设置

Optical Disc Archive 媒体被操作系统识别为卷。如果操作系统意外访问，读 / 写效率可能会受到影响，因为对于硬盘等随机存取设备而言，存取效率可能会不同。

以下建议的 PC 设置能够最大程度上发挥 Optical Disc Archive 的读 / 写效率。

因为以下设置会影响除 Optical Disc Archive Drive 以外的卷，所以建议您在更改设置时充分了解其影响。

注

根据操作系统的版本，以下步骤会有所不同。

下面是当控制面板的显示方法设为 [大图标] 时适用的步骤。

1. 将自动播放设为关闭

[开始] 按钮 > [控制面板] > [自动播放] > 取消勾选 [为所有媒体和设备使用自动播放]，然后单击 [保存] 按钮。

2. 将浏览器的缩略图显示设为关闭

[开始] 按钮 > [控制面板] > [文件夹选项] > 勾选 [显示] 选项卡中 [高级设置] 上的 [始终显示图标，从不显示缩略图]，然后单击 [确定] 按钮。

3. 将浏览器的细节和预览窗口设为关闭

启动 [浏览器]，从 [组织] 中选择 [布局]，然后将 [细节窗格] 和 [预览窗格] 设为关闭。

4. PC 的电源设置

[开始] 按钮 > [控制面板] > [电源选项] > [更改计算机睡眠时间] > 将 [使计算机进入睡眠状态] 设为 [从不]，然后单击 [保存更改] 按钮。

注

我们不建议连接至 Optical Disc Archive 设备的计算机使用电池供电。

5. 将 USB 选择性暂停设为关闭

从 [开始] 按钮 > [控制面板] > [电源选项] > [更改计划设置] > [更改高级电源设置] 的下拉菜单中选择有效的电源计划，将 [USB 设置] > [USB 选择性暂停设置] 的 [使用电池] 和 [接通电源] 设为 [已禁用]，然后单击 [确定] 按钮。

6. 将自动更新功能设为关闭

[开始] 按钮 > [控制面板] > [Windows Update] > [更改设置] > 将 [重要更新] 设为 [下载更新，但是让我选择是否安装更新]，然后按 [确定] 按钮。

要显示当磁盘盒未插入驱动器时浏览器上的驱动器，执行以下设置。

对于 Windows Server 2008 R2，默认设置被设为打开。

<Windows7>

启动 [浏览器] > [组织] > [文件夹选项] > 选择 [显示] 选项卡，然后取消勾选 [隐藏计算机文件夹中的空驱动器]。

关于 Optical Disc Archive Utility

启动和退出软件

启动

首先确保 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 连接至计算机。


有关连接的详细信息，请参见 OPERATION MANUAL。

要启动软件，请执行以下其中一项操作。

- 在连接 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 的计算机上单击 [开始] 按钮，然后选择 [Sony Optical Disc Archive Software] > [Optical Disc Archive Utility]。
- 打开软件安装文件夹，然后双击 [ODAUtility.exe]。
- 如果您安装此软件时在桌面上创建了快捷图标，双击该图标。

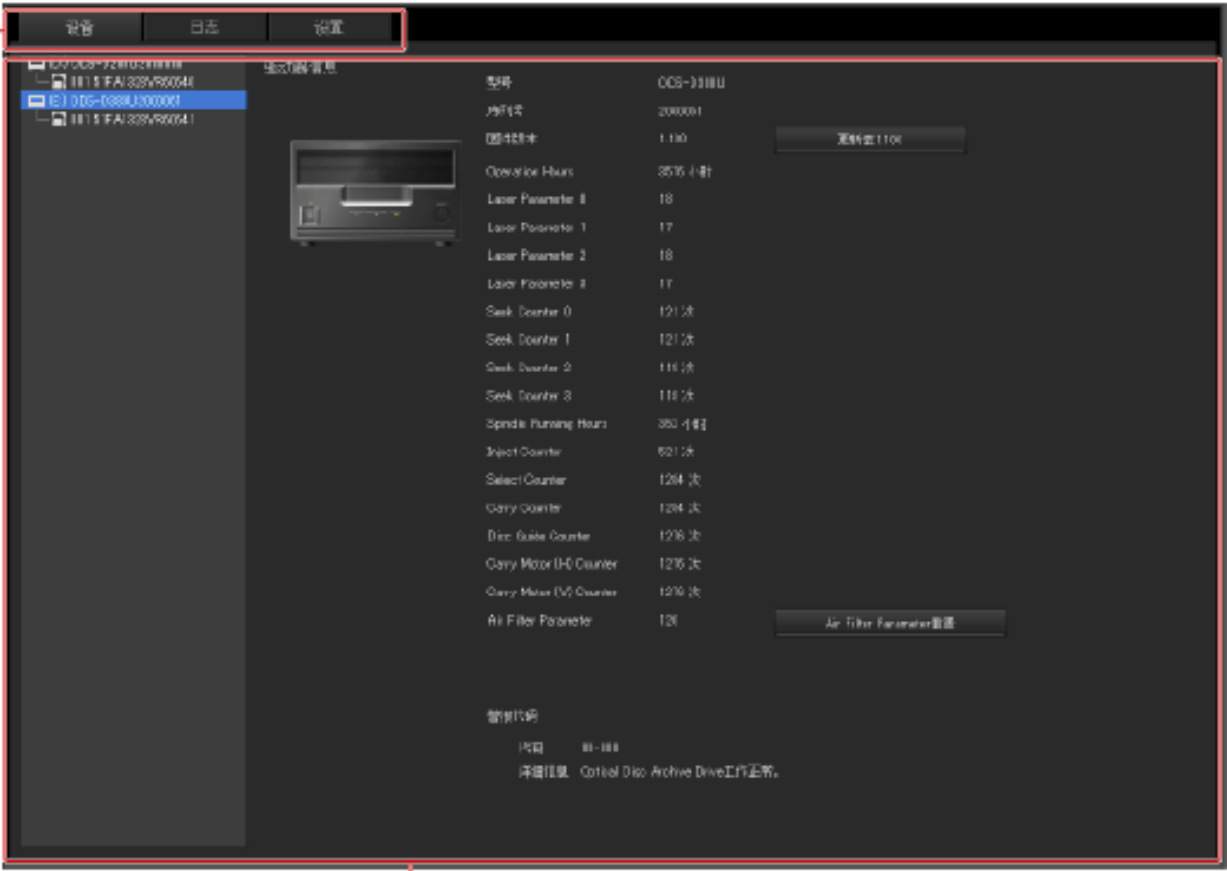
退出

执行以下其中一项操作。

- 单击窗口右上角的  （关闭）图标。
- 右击标题栏，并从右键菜单选择 [关闭]。
- 当此软件处于活动状态时，按 Alt + F4 （在按住 Alt 键的同时按下 F4）。
- 从菜单栏选择 [显示] > [关闭]。

画面结构

选项卡



信息显示区/操作区

菜单栏

单击菜单名称可显示该菜单的命令。

选项卡

可切换设备画面、日志画面和设置画面。

提示

也可使用 Tab 键和光标键选择功能菜单和菜单项。此外，可使用 Enter 键扩展子菜单和显示操作画面。

信息显示区 / 操作区

显示在选项卡中选择的画面。

菜单栏项

菜单栏包含以下菜单和命令。

显示菜单

更新

将信息显示区 / 操作区中显示的内容更新至最新数据。 日志画面中的日志条目将重新排序。

关闭

关闭此软件的窗口。

工具菜单

系统检查

确定 Optical Disc Archive Software 是否正确运作。

此项使用 EEMBC 基准软件 CoreMark-Pro，以测量 CPU 的性能。



<http://www.eembc.org/>

注意

这不表示性能有保证。

文件缓存目的地更改

更改保存文件缓存的目的地。

帮助菜单

帮助

显示此软件的帮助（本窗口）。

版本信息

显示 [Optical Disc Archive Software] 的版本信息。

相关主题

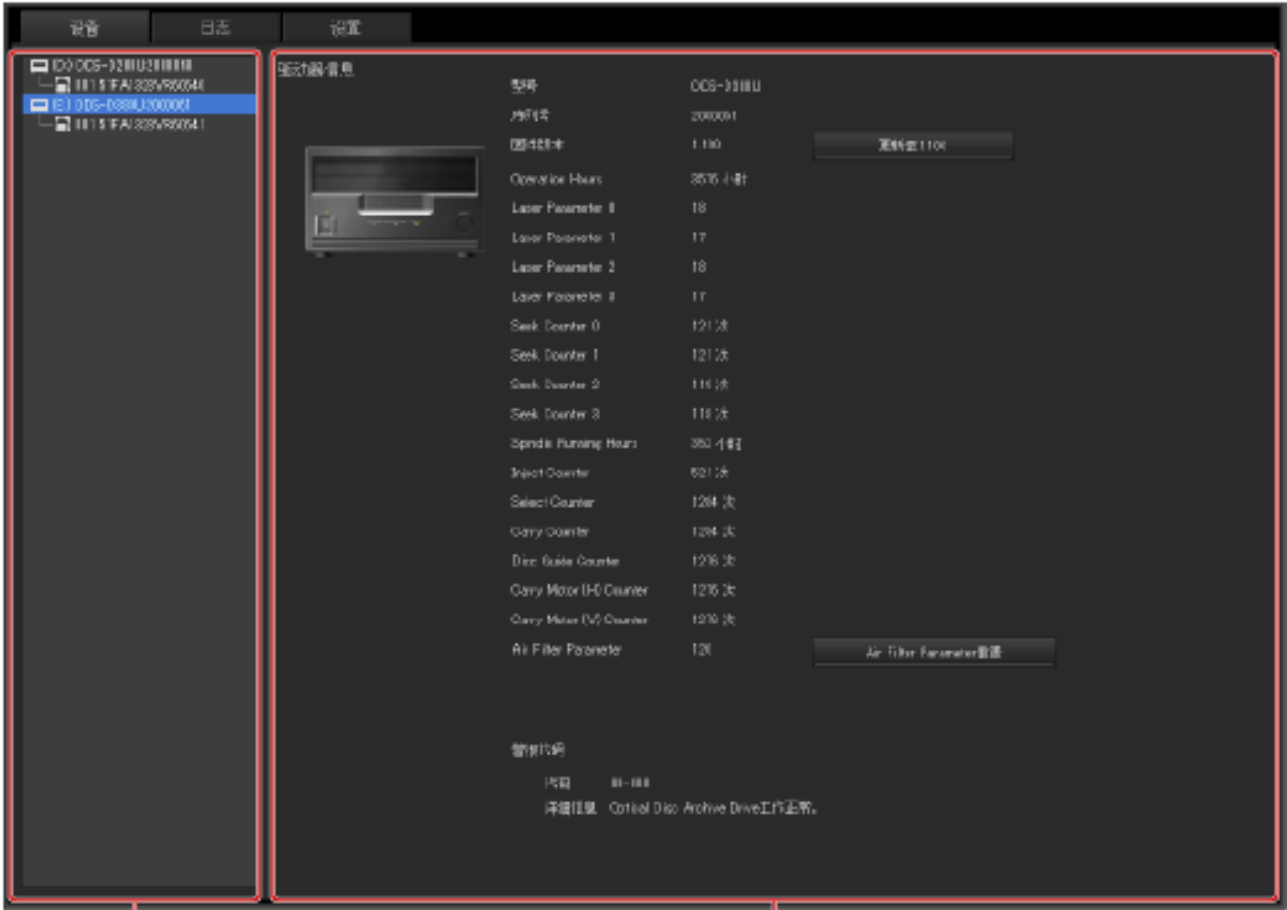
启动和退出软件

操作画面的功能

设备画面

设备画面 - 画面结构

树形结构显示 - 驱动器信息



树形结构显示

信息显示区/操作区

树形结构显示 - 媒体信息



树形结构显示中显示连接的驱动器（盘符、型号和序列号）和媒体。当连接有两个或更多个驱动器时，它们按盘符升序显示在列表中。列表右侧的信息显示区 / 操作区中将显示有关所选驱动器或媒体的信息。

注

- 一台计算机可连接四个驱动器。
- 如果无法退出媒体，请确保没有其他应用程序正在使用磁盘盒。

信息显示区 / 操作区

显示信息或者操作在树形结构显示中选择的驱动器或媒体。

驱动器信息

项目	显示的信息
型号	所选驱动器的名称（ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U）
序列号	所选 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 的序列号
固件版本	所选 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 的固件版本
Operation Hours ^{a)}	ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 通电的总时数（单位：小时）
Laser Parameter 0 至 3 ^{a)}	光学头的累计光输出时间
Seek Counter 0 至 3 ^{a)}	光学头寻址操作的累计次数

项目	显示的信息
Spindle Running Hours ^{a)}	主轴累计旋转时间（单位：小时）
Inject Counter ^{a)}	磁盘盒累计插入次数
Select Counter ^{a)}	内部光盘的选择次数
Carry Counter ^{a)}	内部光盘的进位次数
Disc Guide Counter	使用光盘托辊的光盘累计进位次数
Carry Motor (H) Counter	使用 Carry Motor (H) 的光盘累计进位次数
Carry Motor (V) Counter	使用 Carry Motor (V) 的光盘累计进位次数
Air Filter Parameter	空气过滤器累计运行时间（可重置） ^{b)}
警报代码	显示所选驱动器上可能已经发生的任何警报的相关信息。

a) 此画面显示有关 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 操作记录的信息。 将这些信息作为安排定期保养的指南。 有关定期保养的详细信息， 请咨询 Sony 服务代表。

b) 有关如何重置 Air Filter Parameter 的详细信息， 请参见空气过滤器随附的安装手册（RP）。

注

视型号而定， 不显示某些项目。

驱动器操作

项目	信息
更新至 1.090 ^{c)}	所选驱动器的固件版本

c) 当程序包中的固件版本为 1.090 时更新。

媒体信息

项目	显示的信息
媒体序列号	所选媒体的序列号
媒体类型	所选媒体的类型和容量 <ul style="list-style-type: none"> Optical Disc Archive 1 Rewritable 300GB Optical Disc Archive 1 Rewritable 600GB Optical Disc Archive 1 Rewritable 1200GB Optical Disc Archive 1 Write-Once 300GB Optical Disc Archive 1 Write-Once 600GB Optical Disc Archive 1 Write-Once 1500GB Optical Disc Archive 2 Write-Once 3300GB Optical Disc Archive 3 Write-Once 5500GB
卷类型	所选媒体的卷类型
安装状态	所选媒体的安装状态
写入操作	所选媒体是否可写入。
总容量	所选媒体的总容量
可用空间	所选媒体的写入可用空间
目录总数	所选媒体的目录总数
文件总数	所选媒体的文件总数
重写计数	所选媒体累计重写次数（仅显示可重写媒体）
格式化计数	所选媒体累计格式化次数（仅显示可重写媒体）
写入资源	显示 [空]、[少] 或 [满]。（仅显示 WO 媒体）

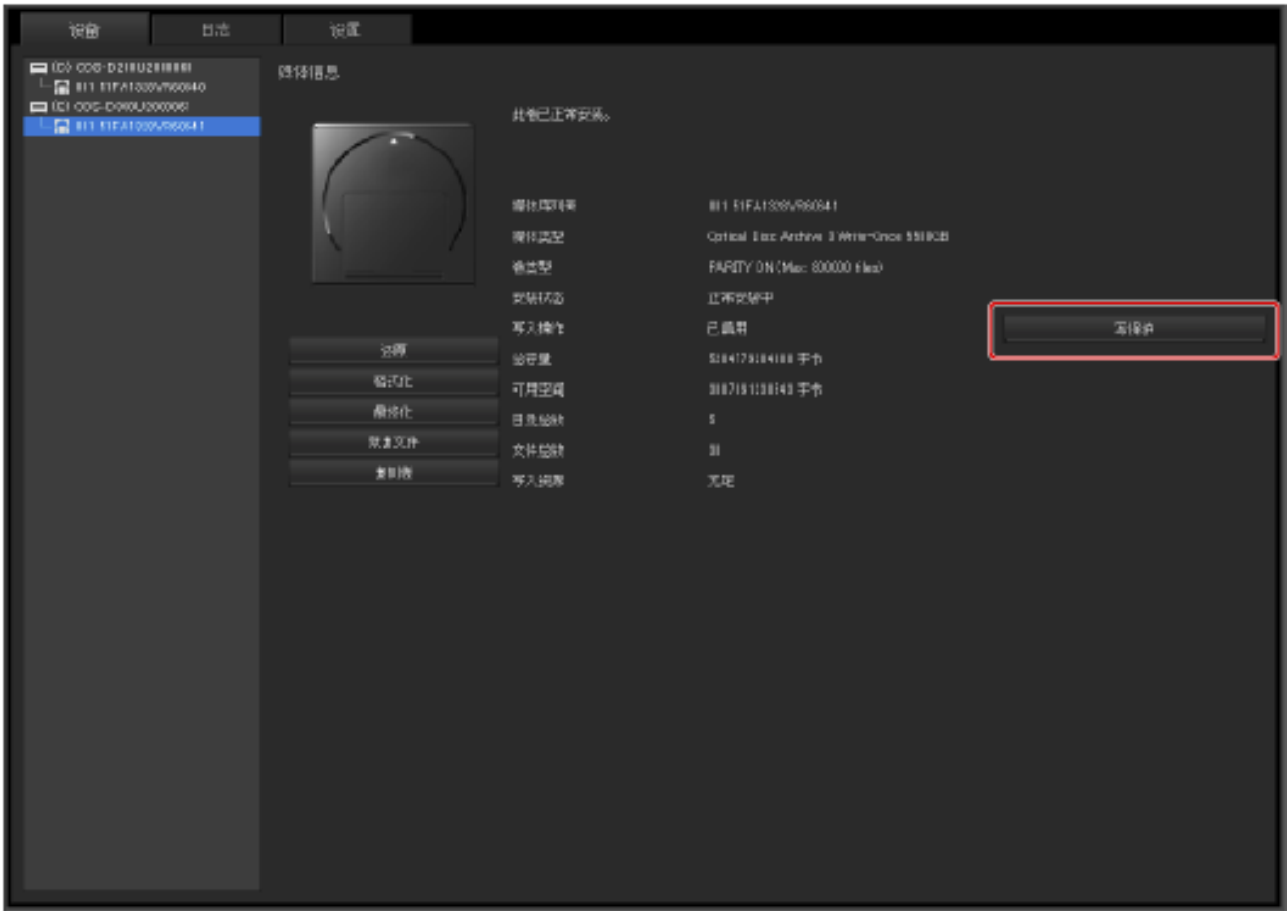
媒体操作

项目	信息
[还原] 按钮	用于寻找还原点。
[格式化] 按钮	用于格式化。
[最终化] 按钮	用于最终化。
[恢复文件] 按钮	显示恢复文件列表的画面。
[写保护 （或写保护解除）] 按钮	用于设置或解除写保护。
[复制卷] 按钮	用于复制卷。

相关主题

警报代码

设备画面 – 媒体的写保护设置



针对使用磁盘盒存储器的媒体的写保护设置

1. 单击 [写保护] 按钮。
显示 “是否要更改写保护设置？如果是， 磁盘盒自动弹出。”。
2. 单击 [应用] 按钮。
媒体被写保护， 磁盘盒弹出。

解除使用磁盘盒存储器的媒体的写保护

1. 单击 [写保护解除] 按钮。

显示 “是否要更改写保护设置？如果是， 磁盘盒自动弹出。”。

2. 单击 [应用] 按钮。

媒体的写保护被解除， 磁盘盒弹出。

警报代码

此画面显示所选驱动器 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 上可能已经发生的任何警报的相关信息。 这些信息会一直存在， 直至错误被消除。

代码

显示所选驱动器 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 上发生的警报代码编号。

详细信息

显示所选驱动器 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 上发生的警报相关信息及有关如何处理的信息。

有关警报的详细信息， 请参见警报代码列表。

刷新屏幕

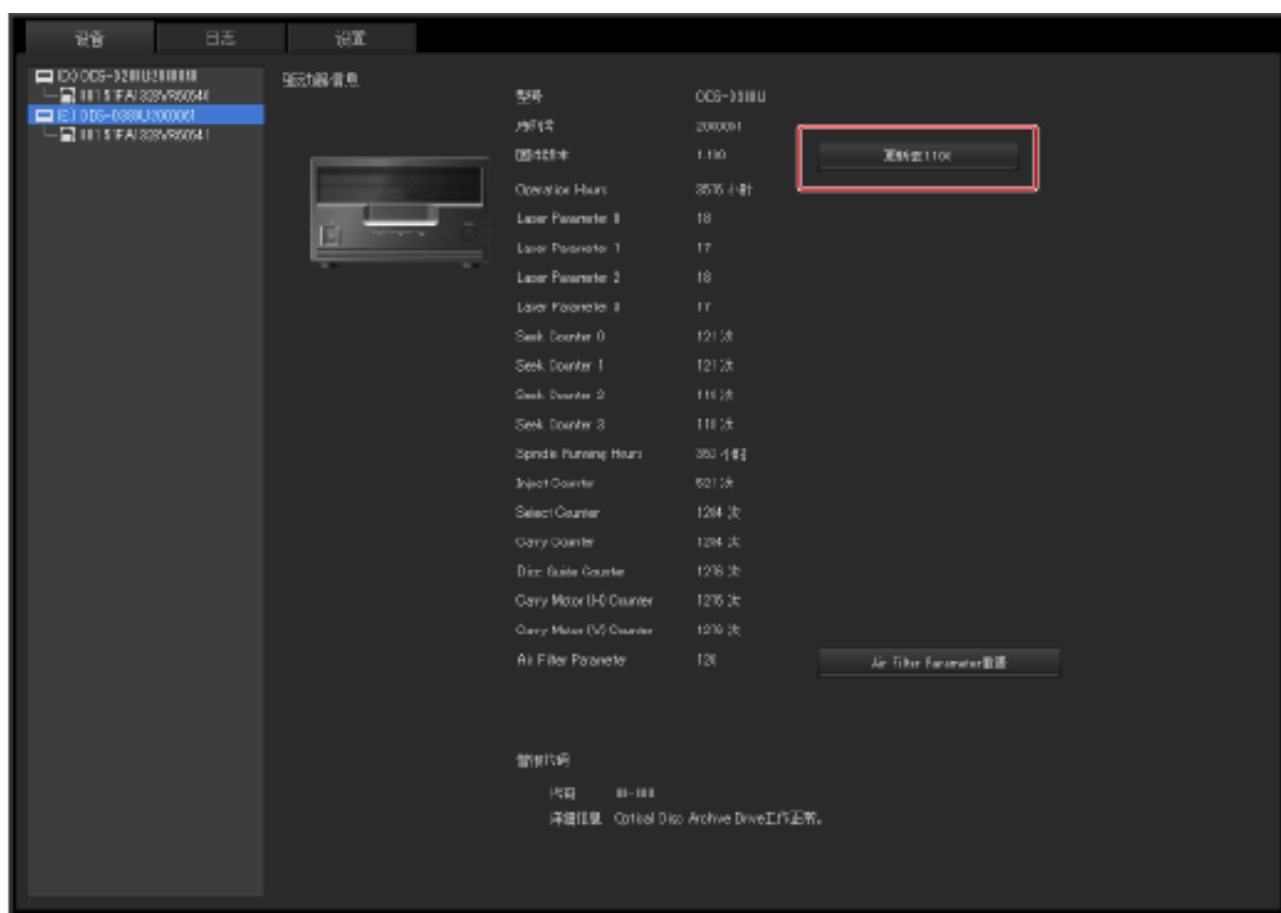
从显示菜单中选择 [更新]。

相关主题

设备画面 - 画面结构

更新固件

更新 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 的固件。



如何更新固件

1. 单击 [更新至 1.630] 按钮^{a)}。

显示“是否要更新固件?”。

2. 单击 [是] 按钮。

显示“正在更新固件。更新期间，不要关闭 PC 和驱动器，也不要断开电缆连接。”，更新开始。
一段时间之后，驱动器将重启并完成更新。

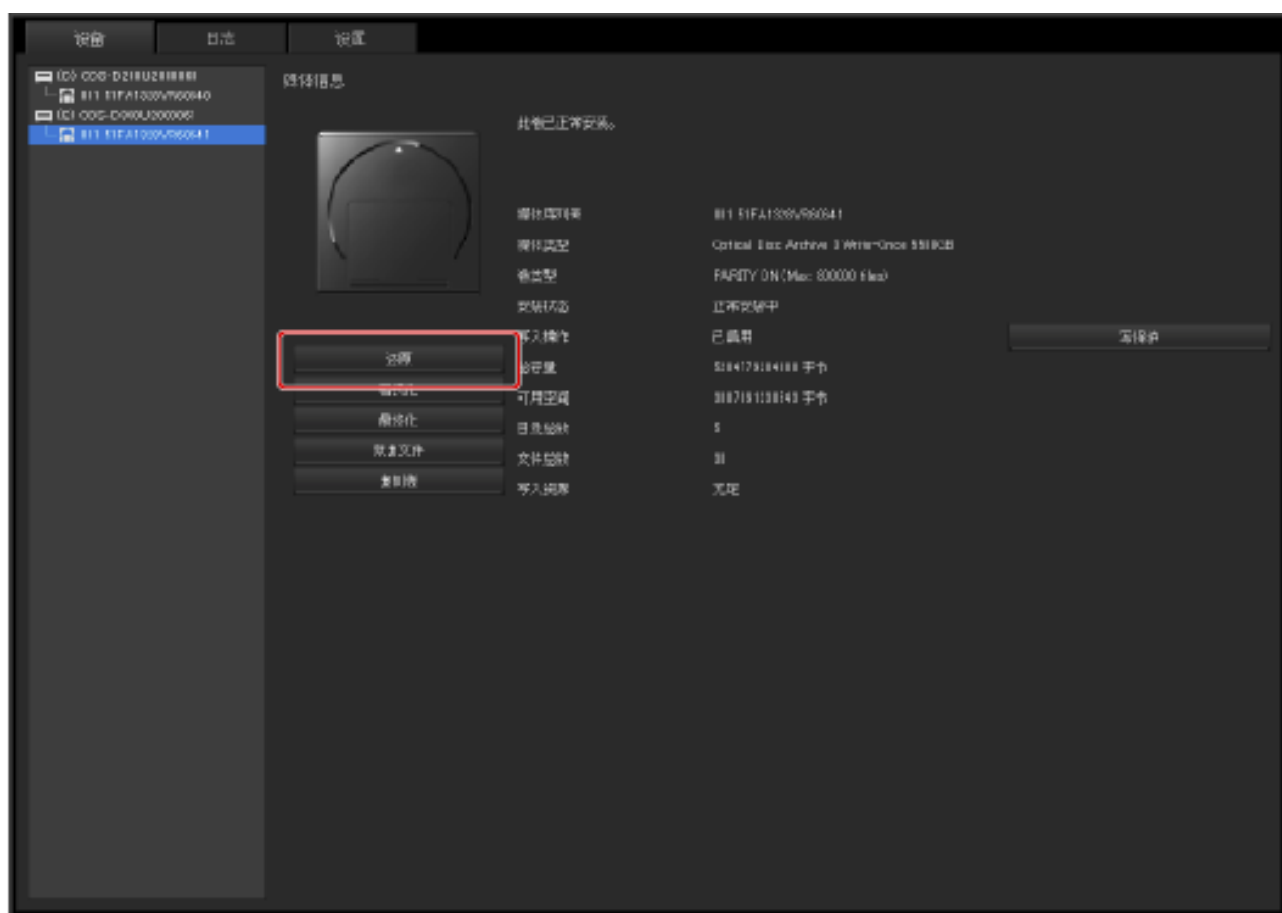
a) 当程序包中的固件版本为 1.630 时更新。

相关主题

设备画面 - 画面结构

还原

如果您意外删除文件系统控制信息或媒体文件，可通过搜索还原点恢复文件。



如何执行还原

1. 单击 [还原] 按钮。

显示 [搜索还原点] 画面，开始搜寻还原点。

2. 在列表中选择还原点，然后单击 [安装] 按钮。

信息出现，然后只读安装开始。

当只读安装成功时，显示“还原点的只读安装完成。可以通过 Optical Disc Archive Filer 将整个卷复制到另一个卷，或者复制卷中的文件或目录。或者，请从下面选择一个。”。

3. 选择 [对此还原点应用可写入。]，然后单击 [确定] 按钮。

信息出现，还原点的可写入安装开始。

显示“可写入安装已应用。重新运行成功完成。”，还原完成。

如何执行还原（容量恢复）

在使用可写入媒体时，可通过执行还原处理、删除比所选还原点更新的还原时间点来恢复媒体容量。

1. 在“如何执行还原”的第三步中，选择 [对此还原点应用可写入。] 和 [恢复媒体容量。]，单击 [确定] 按钮。

注

- 无法恢复删除的还原点。
- 请确保没有其他应用程序正在使用磁盘盒，然后再执行还原处理。

如何执行还原（文件恢复）

在只读安装条件下可恢复卷中的文件。

1. 在“如何执行还原”的第二步中， 选择 [恢复卷中的文件。]， 然后单击 [确定] 按钮。

如何执行还原（卷复制）

1. 在“如何执行还原”的第三步中， 选择 [将卷复制到另一个媒体。]， 然后单击 [确定] 按钮。

显示“是否确定要复制卷？请不要在卷复制期间改变文件。”。

2. 单击 [是] 按钮。

显示“请选择复制目的地。”。

3. 选择 [选择另一个卷。]， 然后单击 [确定] 按钮。

在显示的画面中从另一个卷选择一个空文件夹， 或者单击 [新建文件夹] 按钮创建一个新文件夹， 然后单击 [确定] 按钮。

卷复制开始。 进度条上显示复制状态。

提示

当选择 Optical Disc Archive 卷作为复制目的地并选择 [限制可分片刻录。] 时， 可阻止单个文件被记录在多个光盘上。

相关主题

设备画面 - 画面结构

格式化

媒体中的所有文件和目录被删除。

提示

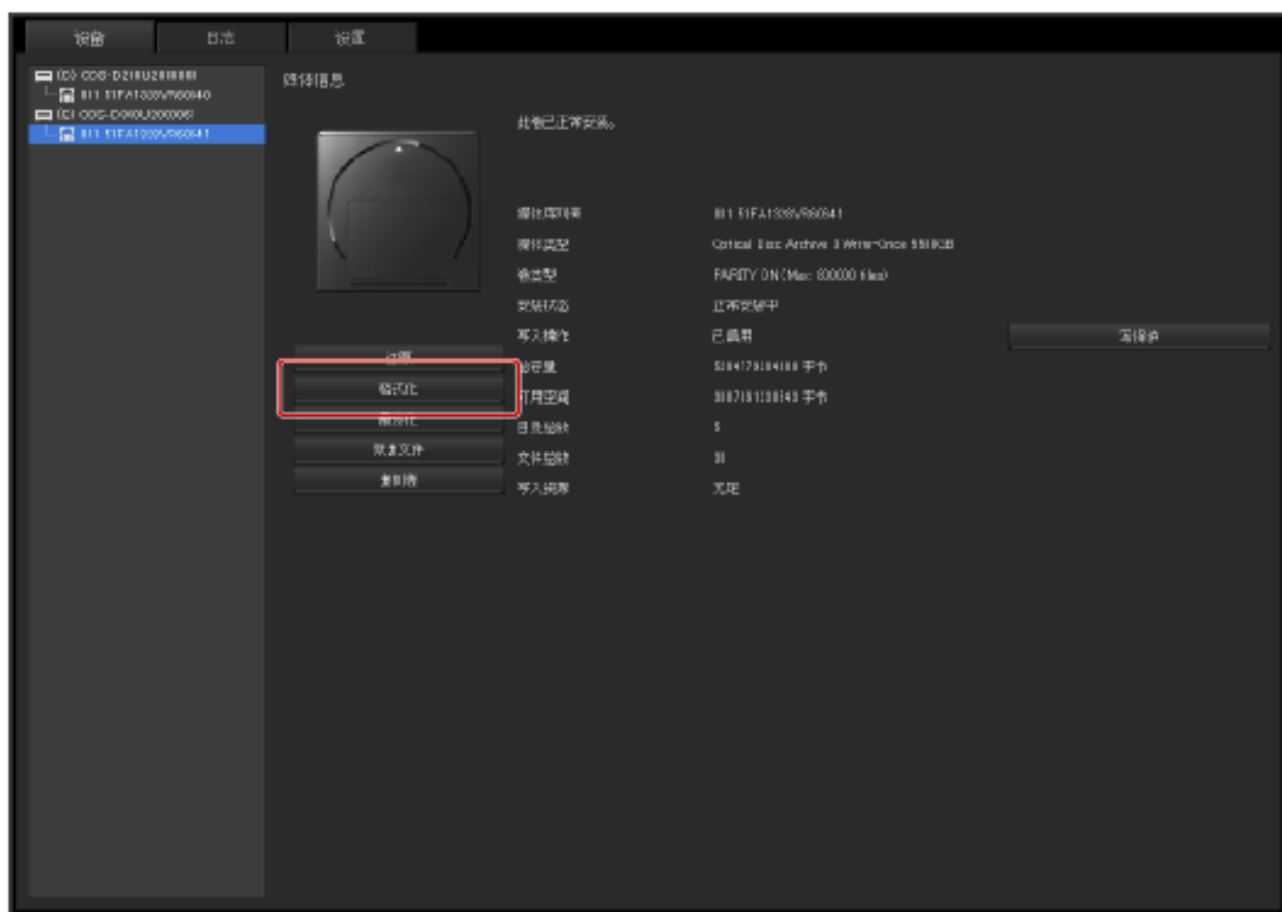
格式化后， 可通过还原功能恢复到格式化处理之前的状态。

注

- 格式化后， 媒体容量无法恢复。
- 选择 [恢复媒体容量。] 时， 媒体容量可恢复。 否则， 还原功能无法使用。
- 无法格式化时

媒体被写保护。 检查以下问题， 然后再次格式化。

- 磁盘盒可以用 Optical Disc Archive Drive 写入。（有关详情， 请参见 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U OPERATION MANUAL。）
- 磁盘盒的写保护选项卡未被设为 [写入禁用]。（有关详情， 请参见 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U OPERATION MANUAL。）
- 设置画面中的 [使驱动器进入记录禁止状态] 复选框未勾选。（取消勾选复选框， 然后执行“如何更改操作模式”。）
- 设备画面 / 媒体信息中的 [写保护] 按钮上未显示 [写保护解除]。



如何格式化

1. 单击 [格式化] 按钮。
显示 “是否确定要格式化媒体？如果格式化， 其中保存的所有文件将被删除。”。
2. 单击 [是] 按钮。
当格式化完成时， 显示 “格式化完成。”。
3. 单击 [关闭] 按钮。
格式化完成。

如何格式化 （ 容量恢复 ）

使用可写入媒体时， 可格式化整个媒体以释放记录空间。 此外， 当插入 Optical Disc Archive 1 磁盘盒时， 可从 PARITY ON （最多： 60000 个文件） 或 PARITY OFF （最多： 240000 个文件） 中选择卷类型。

1. 在上面的第二步中选择 [恢复媒体容量。]， 并单击 [确定] 按钮。

相关主题

设备画面 - 画面结构

最终化 （ 仅限一次性写入媒体 ）

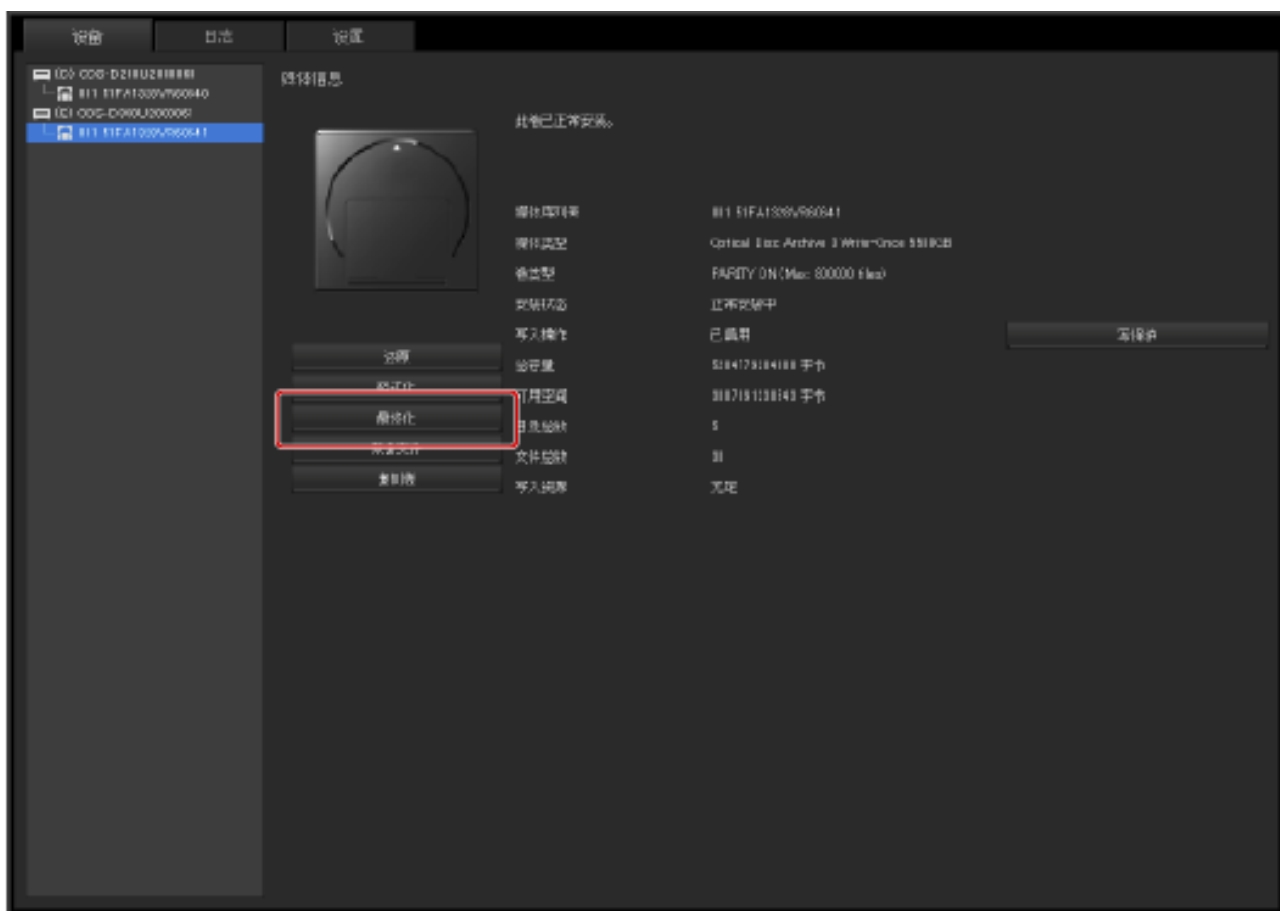
最终化媒体时， 媒体将处于只读状态且不可写入。 数据的容错性得以改善。

注

• 无法最终化时

媒体被写保护。检查以下问题，然后再次最终化。

- 磁盘盒与 Optical Disc Archive Drive 兼容。（有关详情，请参见 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U OPERATION MANUAL。）
- 磁盘盒的写保护选项卡未被设为 [写入禁用]。（有关详情，请参见 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U OPERATION MANUAL。）
- 设置画面中的 [使驱动器进入记录禁止状态] 复选框未勾选。（取消勾选复选框，然后执行“如何更改操作模式”。）
- 设备画面 / 媒体信息中的 [写保护] 按钮上未显示 [写保护解除]。



如何最终化

1. 单击 [最终化] 按钮。

显示“是否确定要最终化？如果最终化，媒体将变为只读状态。一旦开始最终化，将无法还原。”。

2. 单击 [是] 按钮。

最终化完成后，显示“最终化完成。”。

3. 单击 [关闭] 按钮。

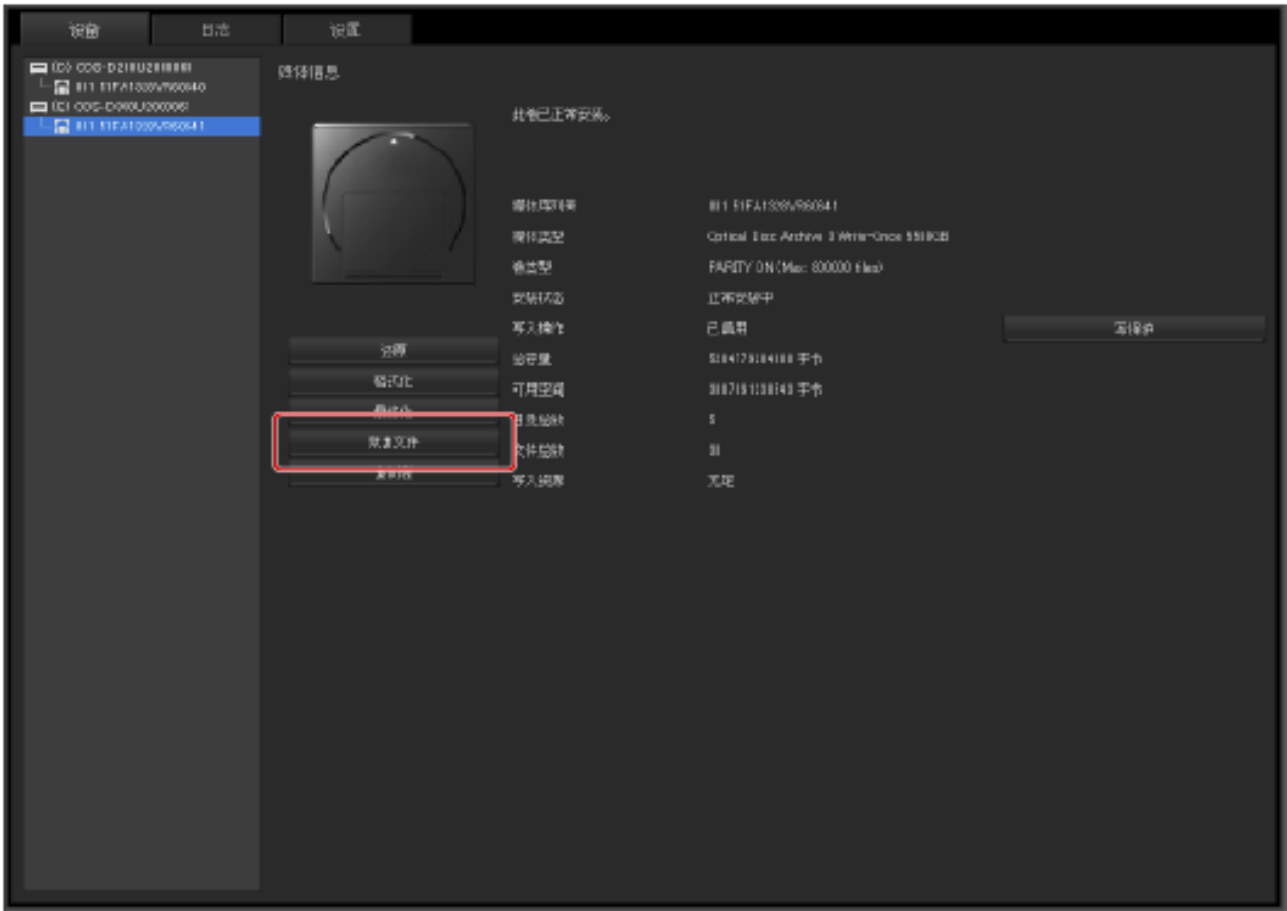
最终化完成。

相关主题

设备画面 - 画面结构

恢复文件

可以恢复和还原损坏的文件。



如何恢复文件

登记文件

1. 单击 [恢复文件] 按钮。
显示列表画面。
2. 单击 [添加文件] 按钮。
3. 在显示的画面中选择想要恢复的文件， 然后单击 [Open] 按钮。
想要恢复的文件被添加到列表画面。

提示

在第三步中， 也可通过拖放操作将文件添加到画面。

恢复文件

1. 单击 [恢复文件] 按钮。
显示列表画面。
2. 选择想要恢复的文件并单击 [执行恢复] 按钮。
3. 在显示的画面选择恢复后的保存目的地， 然后单击 [确定] 按钮。
返回列表画面， 文件恢复开始。 当文件恢复完成时，“状态” 更改为 “恢复完成”。

注

执行 [恢复文件] 时， 文件从磁盘盒中调出并恢复， 然后保存在 HDD 等其它存储设备中。

如何执行卷检查

您可以检查和恢复文件系统。

执行卷检查

1. 单击 [恢复文件] 按钮。
显示列表画面。
2. 单击 [卷检查] 按钮。
出现 “是否确定要执行卷检查？ ”。
3. 单击 [是] 按钮。
显示卷检查画面， 并开始卷检查。
4. 成功完成卷检查时， 出现 “未发现问题。”。

如果发现任何问题， 请根据画面说明恢复卷。

注

要恢复损坏的文件， 请参见 “如何恢复文件”。

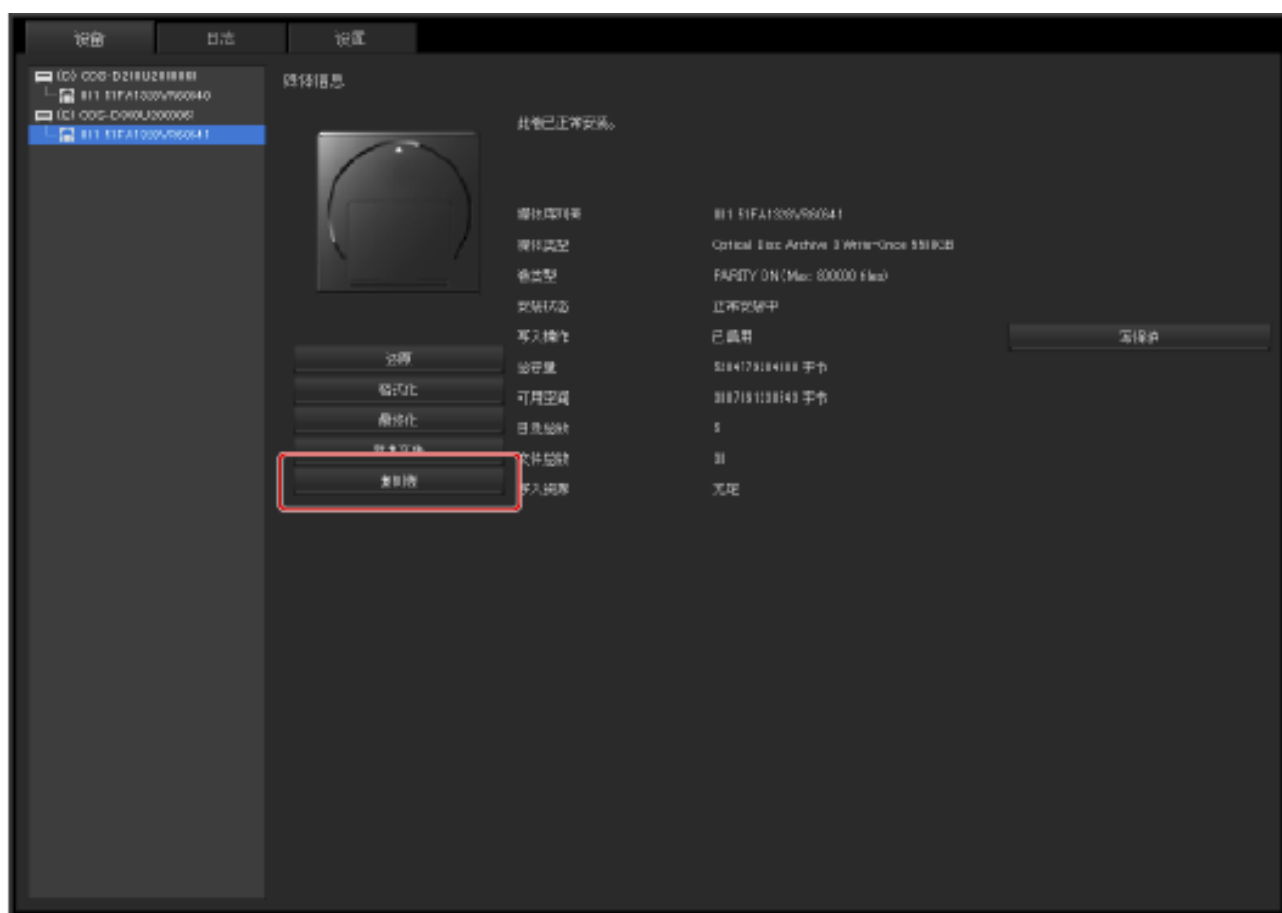
相关主题

设备画面 – 画面结构

卷复制

可以卷或文件夹为单元将所选媒体数据迅速复制到另一个媒体。

也可复制到 Optical Disc Archive 光盘盒以外的硬盘驱动器 （ HDD ） 上。



从 Optical Disc Archive 卷复制到本地磁盘等其它文件系统卷

1. 单击 [复制卷] 按钮。
显示 “是否确定要复制卷？请不要在卷复制期间改变文件。”。
2. 单击 [是] 按钮。
选择 [以卷为单位进行复制。] 或 [以文件夹为单位进行复制。]，然后单击 [确定] 按钮。选择 [以文件夹为单位进行复制。] 时，在显示的画面中单击 [参照] 按钮选择想要复制的文件夹。
3. 选择 [选择另一个卷。]，然后单击 [确定] 按钮。
在显示的画面中选择想要复制的文件夹或者创建新文件夹，然后单击 [确定] 按钮。
4. 选择 [终止卷复制。] 或 [重新写入。]，然后单击 [确定] 按钮。
卷复制开始。进度条上显示复制状态。

从 Optical Disc Archive 卷复制到另一个 Optical Disc Archive 卷

1. 单击 [复制卷] 按钮。
显示 “是否确定要复制卷？请不要在卷复制期间改变文件。”。
2. 单击 [是] 按钮。
选择 [以卷为单位进行复制。] 或 [以文件夹为单位进行复制。]，然后单击 [确定] 按钮。选择 [以文件夹为单位进行复制。] 时，在显示的画面中单击 [参照] 按钮选择想要复制的文件夹。
3. 选择 [选择 Optical Disc Archive Drive 的卷。] 并从下拉菜单中选择另一个 Optical Disc Archive 卷，然后单击 [确定] 按钮。
请注意，应选择空文件夹或创建新文件夹。

4. 选择 [终止卷复制。] 或 [重新写入。], 然后单击 [确定] 按钮。

卷复制开始。 进度条上显示复制状态。

提示

当选择一个复制目的地并选择 [限制可分片刻录。] 时, 可阻止单个文件被记录在多个光盘上。

复制到同一个 Optical Disc Archive 卷

1. 单击 [复制卷] 按钮。

显示 “是否确定要复制卷? 请不要再在卷复制期间改变文件。”。

2. 单击 [是] 按钮。

在显示的画面中选择 [以卷为单位进行复制。] 并从下拉菜单中选择同一个 Optical Disc Archive 卷, 然后单击 [确定] 按钮。

3. 从另一个卷选择备份目的地, 然后单击 [确定] 按钮。

4. 选择 [终止卷复制。] 或 [重新写入。], 然后单击 [确定] 按钮。

从复制源到备份目的地的卷复制开始。 进度条上显示复制状态。

从复制源到备份目的地的卷复制终止时, 磁盘盒自动弹出, 显示 [插入另一个磁盘盒作为复制目的地。]。

5. 插入磁盘盒, 然后单击 [确定] 按钮。

[插入另一个磁盘盒时] => 第六步

[插入同一个磁盘盒时] => 第七步

6. 选择 [格式化媒体, 并复制到此媒体。] 或 [复制到选择的文件夹。], 然后单击 [确定] 按钮。

从备份目的地到复制目的地的卷复制开始。 进度条上显示复制状态。

7. 显示 [插入了与复制源相同的磁盘盒。 建议您将媒体复制到另一个磁盘盒。]。

单击 [重新选择] 或 [确认]。

选择 [重新选择] 时, 磁盘盒自动弹出, 显示 “插入另一个磁盘盒作为复制目的地。”。

选择 [确认] 时, 请转至第六步。

提示

当选择一个复制目的地并选择 [限制可分片刻录。] 时, 可阻止单个文件被记录在多个光盘上。

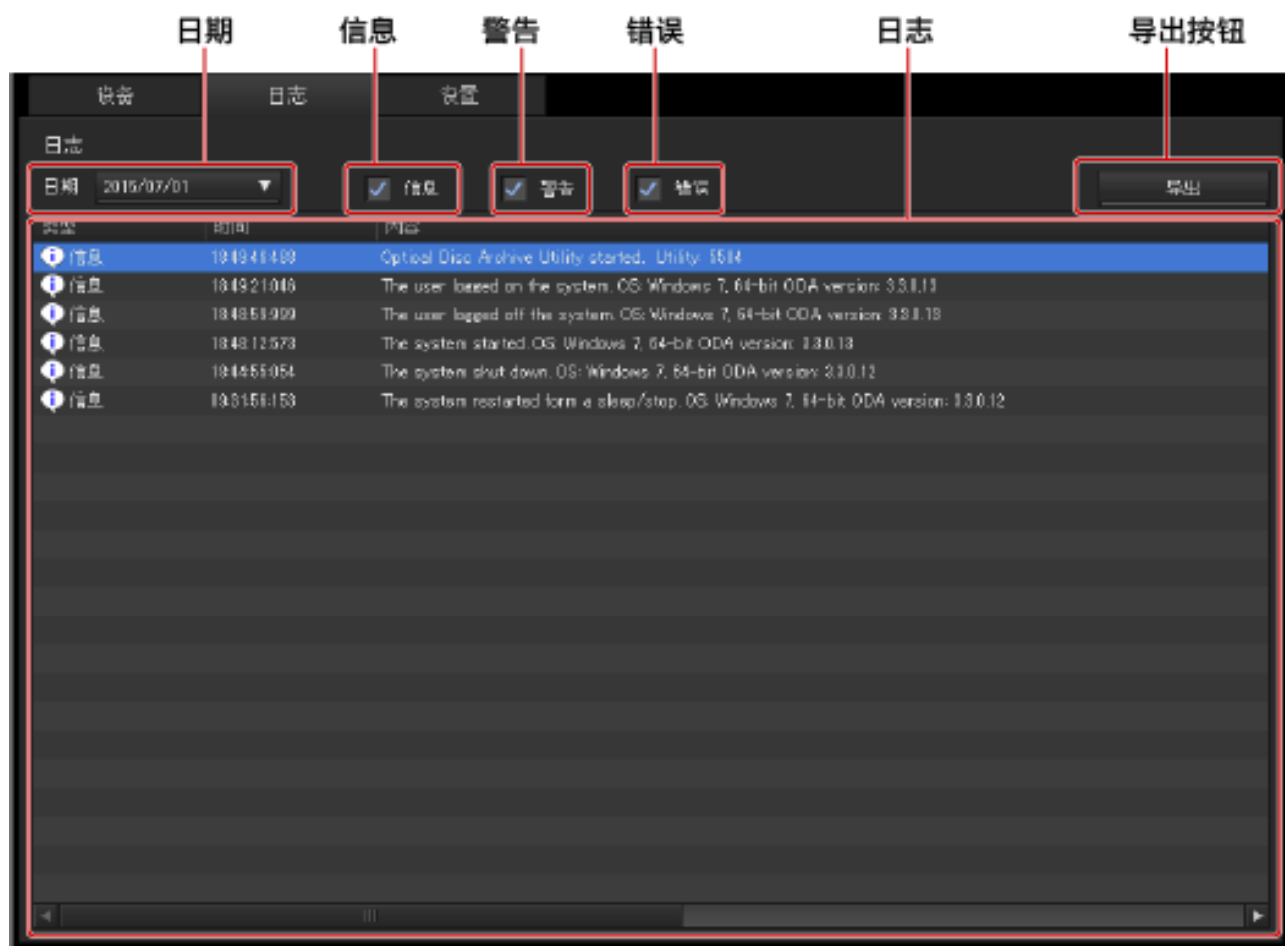
相关主题

设备画面 - 画面结构

日志画面

日志画面 - 画面结构

驱动程序中发生的日志。



日期

选择想要显示的日志的日期。

单击▼以表格形式显示日志的日期。

日志

显示所选日期的日志列表。

可按 [信息]、[警告] 或 [错误] 筛选日志类型。

双击或右击列表可显示日志的详细信息对话框。

项目	显示的信息
类型	显示日志的类型 （ 信息 / 警告 / 错误 ）
时间	日志发生的时间。
内容	日志的内容

导出按钮

将日志导出到任何所需的位置。

注

无法为 Optical Disc Archive Drive 选择容量。

如何导出日志

1. 单击 [导出] 按钮。
显示 [另存为] 画面。

2. 指定要保存的文件名和目的地， 然后单击 [保存] 按钮。
显示 “导出完成。”。
3. 单击 [关闭] 按钮。
日志导出到指定的位置。

刷新屏幕

从显示菜单中选择 [更新]。

注

- 如果使用旧版本的 Optical Disc Drive 固件， 可能没有驱动器日志。
- 磁盘盒插入时， 无法从驱动器获取驱动器日志。

设置画面

设置画面 – 画面结构

为 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 和 Optical Disc Archive Software 设置操作模式。

注

要令设置更改生效， 需要重新插入磁盘盒。



操作模式

操作模式	信息
写入验证	<p>在 Optical Disc Archive1 媒体中写入验证</p> <p>在卷上写入文件，同时验证写入是否成功。</p> <p>始终在 Optical Disc Archive 2/3 媒体中写入验证。</p> <p>注</p> <p>传输速度将会改变。有关详情，请参见 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U OPERATION MANUAL。</p>
使驱动器进入记录禁止状态	禁止写入驱动器。
完成写入文件以后将管理数据立即同步到媒体	<p>即使在记录时中途出现错误，也保存完成的文件。</p> <p>注</p> <p>“文件系统”操作模式：打开 - 默认设置。即使在驱动器断电或记录文件失败时，先前完成的文件也能安全保存。下一次安装卷时，只有记录期间因此类中断而受损的文件会被删除，其它完成的文件会自动恢复。这是因为每次记录新文件时都会更新和写入系统信息。当安全性最重要时，建议将其设为 [打开]。</p> <p>“文件系统”操作模式：关闭。[关闭] 模式可在记录一系列小文件中提供更出色的性能。此外，它还能提高磁盘盒使用的效率。另一方面，在连续记录期间，很多文件可能因断电等问题被删除。这是因为在记录连续文件之后会立即更新和写入系统信息。如果出现记录问题，会发生还原，并恢复到开始记录一系列文件之前的状态。下一次安装卷时，最后写入磁盘盒的完整文件系统更新是有效的。所有之前没有完整文件系统记录的小文件都将被删除且无法恢复。为此，在不稳定的供电环境下，建议将其设为 [打开]。</p>
默认卷类型	<p>Optical Disc Archive 1 :</p> <p>当插入未格式化的媒体时，会自动将其格式化为这种卷类型。</p> <p>在 Optical Disc Archive 2/3 媒体中写入时始终增加奇偶校验。文件数量最多分别为 480000/800000。</p> <p>注</p> <p>执行添加奇偶校验写入时，损坏的文件将恢复 / 还原，因为执行“恢复文件”会以奇偶校验信息纠正错误。</p>

[恢复出厂设置] 按钮

将操作模式恢复为出厂默认设定。

[应用] 按钮

确定操作模式。

如何更改操作模式

1. 选择操作模式的复选框。 从下拉菜单中选择 [默认卷类型]。
2. 单击 [应用] 按钮。
显示 “改变了操作模式设定。 重新插入磁盘盒以启用新设定的模式。”。
3. 单击 [关闭] 按钮。
4. 重新插入磁盘盒。
操作模式改变。

如何将操作模式恢复为出厂默认设定

1. 单击 [恢复出厂设置] 按钮。
显示 “是否要恢复操作模式设定的出厂默认设定?”。
2. 单击 [是] 按钮。
显示 “改变了操作模式设定。 重新插入磁盘盒以启用新设定的模式。”。
3. 单击 [关闭] 按钮。
4. 重新插入磁盘盒。
操作模式恢复为出厂默认设定。

附录

警报代码列表

根据 ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 的各状态列出设备画面中驱动器信息上所显示警报的内容。

当错误被消除时， 指示灯熄灭。

- 插入磁盘盒时的警报
- 操作期间的警报
- 有关传感器和驱动器的警报

插入磁盘盒时的警报

LED ^{a)}	警报代码	描述	可行的解决方案
每秒闪烁四次	50-010	磁盘的管理区域不可读。	不可用的媒体； 插入另一个磁盘盒。
	50-011		
	51-020		
	51-021		
	54-008		
	51-500	不支持的磁盘。 需要最新固件才能使用媒体。	获取并安装最新的 Optical Disc Archive Software， 然后更新固件。

LED ^{a)}	警报代码	描述	可行的解决方案
每秒闪烁	21-001	此磁盘盒的使用寿命将尽。	建议您将数据复制到另一个卡盘。
	6D-000		
	21-100	不可用媒体；	请咨询 Sony 服务代表。
	21-101	媒体可能出现了问题。	建议您将数据复制到另一个卡盘。 有关详细信息， 请参见最新发布的说明。
	21-102	卡盘以只读方式安装。	建议您将数据复制到另一个卡盘。 有关详细信息， 请参见最新发布的说明。
	54-009	磁盘盒和磁盘不适合。	不可用的媒体； 插入另一个磁盘盒。
	54-000	不支持的磁盘格式。	不可用的媒体； 插入另一个磁盘盒。
	54-001		
	54-002		
	54-003		
	54-006	不支持的磁盘盒存储器格式。	不可用的媒体； 插入另一个磁盘盒。
	54-004	无法访问磁盘盒存储器。	重新插入磁盘盒。
	54-005		
	54-007		
	95-517		
	95-518		

a) ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 上的警报指示灯。

相关主题

操作期间的警报

有关传感器和驱动器的警报

操作期间的警报

LED ^{a)}	警报代码	描述	可行的解决方案
每秒闪烁	6D-001	不可用媒体；	请咨询 Sony 服务代表。
	6D-002	媒体可能出现了问题。	建议您将数据复制到另一个卡盘。有关详细信息，请参见最新发布的说明。
	54-200 54-201 53-502	检测到磁盘管理区域中有错误。	重新插入磁盘盒。
	54-004 54-005 54-007 95-517 95-518	无法访问磁盘盒存储器。	重新插入磁盘盒。
	54-006	不支持的磁盘盒存储器格式。	不可用的媒体；插入另一个磁盘盒。
	54-300	正在恢复记录磁盘的物理格式。	出现错误时请勿关闭电源。磁盘盒正在修复。由于此过程可能需要几分钟，请在电源打开的情况下等待此过程完成。
不亮	22-001	对磁盘盒频繁进行了多次同时访问。	不要执行以下操作；否则性能可能会下降。 <ul style="list-style-type: none"> • 同时读取多个文件 • 正在写入（读取）文件时读取（写入）此文件 • 在同卷中生成文件副本 有关详情，请参见“不可取的操作”。
	91-552	安装失败。	退出卡盘，然后再次插入同一卡盘。
	91-553	出现读取错误。	
	91-554	出现写入错误。	
	91-556	记录在媒体上的有些奇偶性可能已损坏。	建议您将数据复制到另一个卡盘。有关详细信息，请参见最新发布的说明。
	91-558	未正确设置光纤通道主机总线适配器的最大数据传输大小。	有关详情，请参见 ODS-D380F Technical Note。
	91-559	无法访问存储文件系统缓存的路径。	请咨询 Sony 服务代表。

a) ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 上的警报指示灯。

相关主题

插入磁盘盒时的警报

有关传感器和驱动器的警报

有关传感器和驱动器的警报

LED ^{a)}	警报代码	描述	可行的解决方案
每秒闪烁四次	95-50D	驱动器内部温度异常。	立即关闭驱动器并断开电源线连接。 如果继续使用驱动器，内部温度可能会变得更高并造成损坏或火灾。
	95-51D		
	37-901		
	37-A01		
	37-B01		
	37-C01		
	47-901		
	47-A01		
	47-B01		
	47-C01		
每秒闪烁	95-50E	驱动器内部温度升高。	务必不要堵塞驱动器正面和背面的通风孔，并进行散热。
	95-51E		
	37-900		
	37-A00		
	37-B00		
	37-C00		
	95-50F	驱动器内部温度升高。	务必不要堵塞驱动器正面和背面的通风孔，并进行散热。 如果问题仍然存在，请咨询 Sony 服务代表。
	95-51F		
	95-52F		
	3E-500	未水平放置驱动器。	请水平放置驱动器。
	95-52A	检测到驱动器单元的序列号不匹配。	执行驱动器调整。

LED ^{a)}	警报代码	描述	可行的解决方案
每秒闪烁四次	3E-501	未水平放置驱动器。	水平放置驱动器以后， 关闭并打开驱动器电源。
	20-xxx	检测到驱动器机械控制异常。	卡盘未退出时， 请按 EJECT 按钮并退出卡盘。 如果无法退出卡盘， 请关闭并重新打开驱动器电源。
	20-117	检测到驱动器机械控制异常。	可能插入了无法操作的卡盘。
	52-00B	无法访问磁盘。	重新插入磁盘盒。
	52-08B		
	52-10B		
	52-18B		
	72-00B		
	72-08B		
	72-10B		
	72-18B		
每秒闪烁	6F-E00	无法写入磁盘。	重新插入磁盘盒。
	6F-E80		
	6F-F00		
	6F-F80		
	8F-E00		
	8F-E80		
	8F-F00		
	8F-F80		
每秒闪烁四次	6F-E03	无法访问磁盘。	重新插入磁盘盒。
	6F-E83		
	6F-F03		
	6F-F83		
	8F-E03		
	8F-E83		
	8F-F03		
	8F-F83		
每秒闪烁	3F-511	须更换空气过滤器。	请更换空气过滤器。 ^{b)}
	02-605	由于污垢和其他因素， 光学块中的光量减少了。	请咨询 Sony 服务代表。
	02-685		
	02-705		
	02-785		
	12-605		
	12-685		
	12-705		
	12-785		

a) ODS-D55U/ODS-D77U/ODS-D280U/ODS-D380U 上的警报指示灯。

b) 有关详情， 请参见 OPERATION MANUAL。

相关主题

插入磁盘盒时的警报

操作期间的警报

关于文件系统

概述

此部分解释文件系统的概述。

- 安装操作
- 限制条件
- 不可取的操作

安装操作

[卷] 表示被格式化的媒体的文件系统。

[安装] 表示可以存取卷的状态。

对于空白媒体

当媒体被插入驱动器时， 会自动格式化， 然后作为不包含文件和目录的空白卷进行安装。

Optical Disc Archive 1 媒体

可以根据 Utility 的设置画面 / 规则的卷类型提前从以下卷类型中选择一种。

- PARITY ON （最多 60000 个文件）
此格式最多可创建 60000 个文件 （包括目录）。
在记录文件时， 会自动创建冗余的奇偶校验数据。 在需要文件恢复时会使用奇偶校验数据。
- PARITY OFF （最多 240000 个文件）
此格式最多可创建 240000 个文件 （包括目录）。
在记录文件时， 不会创建奇偶校验数据。

Optical Disc Archive 2 媒体

- PARITY ON （最多 480000 个文件）
这是可以最多创建 480000 个文件 （包括目录） 的格式。
记录文件时， 将会自动创建冗余奇偶校验数据。
当需要文件恢复时， 会使用此奇偶校验数据。

Optical Disc Archive 3 媒体

- PARITY ON （最多 800000 个文件）
这是可以最多创建 800000 个文件 （包括目录） 的格式。
记录文件时， 将会自动创建冗余奇偶校验数据。
当需要文件恢复时， 会使用此奇偶校验数据。

对于可重写媒体

使用 Utility 的格式化功能时， 通过选择 [恢复媒体容量。]， 可将被格式化为以上其中一种卷类型的媒体的卷类型更改为另一种卷类型。

（ 请参见如何格式化 （ 容量恢复 ） 。 ）

对于一次性写入媒体

无法更改被格式化为以上其中一种卷类型的媒体的卷类型。

对于已经格式化的媒体

可存取在卷上创建的文件和目录。

当卷为可记录时，可创建新的文件和目录。

也可对已创建的文件和目录进行读取、显示、删除、更改名称、移动、更改属性和更改卷标操作。

当卷的记录操作被禁用或限制时，可读取和显示文件和目录，但不能执行创建、更改名称、移动、更改属性和更改卷标操作。

可在 Utility 的设备画面 / 媒体信息 / 记录操作上检查卷是否可记录。

媒体因异常而无法安装时

无法存取在卷上创建的文件或目录。

在 Utility 的设备画面 / 媒体信息 / 安装状态上检查卷的安装状态。

相关主题

设备画面 - 格式化

限制条件

最大文件和目录数

根据卷的类型，可以创建以下数目的文件和目录。

Optical Disc Archive 1 媒体

- PARITY ON（最多 60000 个文件）：最多 60000 个
- PARITY OFF（最多 240000 个文件）：最多 240000 个

Optical Disc Archive 2 媒体

- PARITY ON（最多 480000 个文件）：最多 480000 个

Optical Disc Archive 3 媒体

- PARITY ON（最多 800000 个文件）：最多 800000 个

根目录算作一个。即使是空白卷，也有一个目录（根目录）。

文件和目录层次

最多可为文件和目录创建 64 个层次。

根目录算作一个层次。

在根目录上创建的文件算作第二个层次。

文件名

文件和目录名的可用字符为 1 至 127 个字符（Unicode 2.0）。

代理对字符算作两个字符。

名称中不能使用以下字符。

代码	字符
U+0000	(空)
U+0000 – U+001F	a)
U+0022	" (双引号) ^{a)}
U+002A	* (星号) ^{a)}
U+002F	/ (斜杠)
U+003A	: (冒号) ^{a)}
U+003C	< (小于符号) ^{a)}
U+003E	> (大于符号) ^{a)}
U+003F	? (问号) ^{a)}
U+005C	\ (反斜杠或 Yen 标记) ^{a)}
U+007C	(竖线) ^{a)}
U+007F	(DEL) ^{a)}

a) 通过 Macintosh/Linux 记录的字符按照 UDF 改变规则变化。

名称中不能仅使用 “.” (点) 或 “..” (连续的点)。

名称末尾不能使用 “ ” (空格) 或 “.” (点)。

在同一个目录上， 不能使用 (IGNORE CASE) 双重文件名。

在根目录下， 名称中不能仅使用 “\$” (美元符号) 或 “\$\$” (连续的美元符号)。

卷标

卷标的可用字符为从 1 至 63 个字符 (Unicode 2.0)。

代理对字符算作两个字符。

名称中不能使用以下字符。

代码	字符
U+0000 – U+001F	
U+0022	" (双引号)
U+002A	* (星号)
U+002F	/ (斜杠)
U+003A	: (冒号)
U+003C	< (小于符号)
U+003E	> (大于符号)
U+003F	? (问号)
U+005C	\ (反斜杠或 Yen 标记)
U+007C	(竖线)
U+007F	(DEL)

不能使用以 “.” (点) 开头的字符串。

文件记录

在记录模式下， 只能打开一个文件。 只能进行连接记录。

通常而言， 不能在记录模式下打开记录的文件。

以下记录文件可在记录模式中打开， 还可通过连续记录进行记录。

- 最后记录的文件
- 大小为零的文件。

此外， 使用标准复制命令时， 不能记录稀疏文件。 有关详细信息， 请参见最新发布的说明。

不可取的操作

在文件移动过程中， 如果发生损坏， 源文件和目的地文件可能会丢失。 如果发生损坏， 请勿移动文件。 对磁盘盒执行以下任意不可取的操作（[1] 到 [4]）时， 磁盘盒存取会变慢。 如果这种情况持续一段时间， 可能会暂时无法存取磁盘盒。

再次插入磁盘盒可解决此错误。

执行可行解决方案中的操作而不是不可取的操作。

不可取的操作	可行的解决方案
<p>[1]</p> <p>同时读取文件</p> <p>示例：</p> <p>在 Windows Explorer 中， 通过拖放将 ODA 媒体上的记录文件复制到本地文件夹， 同时将 ODA 媒体上的另一个文件拖放到本地文件夹。</p> <p>这样的同时操作应该不会造成错误。 但是， 如果两个文件位于不同的磁盘， 传输速度会变得极慢， 因为每复制 64 KB 到 1 MB 的数据， 磁盘就会进行交换操作， 而且媒体的耐用年限会缩短。</p>	<p>先将第一个文件复制到本地文件夹（计算机的硬盘或另一个媒体）， 完成之后再开始复制第二个文件。</p>
<p>[2]</p> <p>记录的同时读取文件或者读取的同时记录文件</p> <p>示例：</p> <p>在 Windows Explorer 中， 通过拖放将本地文件夹中的文件复制到 ODA 媒体， 同时通过拖放将 ODA 媒体上的另一个文件复制到本地文件夹。</p> <p>这两项操作会继续进行， 但是， 如果文件位于不同的磁盘， 传输速度会变得极慢， 因为每复制 64 KB 到 32 MB 的数据， 磁盘就会进行交换操作， 而且媒体的耐用年限会缩短。</p>	<p>先将文件复制到 ODA 媒体， 完成之后再将媒体上的文件复制到本地文件夹（计算机的硬盘或另一个媒体）。</p>
<p>[3]</p> <p>在同卷中生成文件副本</p> <p>示例：</p> <p>在 Windows Explorer 中， 右击在 ODA 媒体上记录的文件并拖到文件夹， 然后选择 [在此处复制]。</p> <p>此复制操作不会造成错误， 但是， 如果文件位于不同的磁盘， 传输速度会变得极慢， 因为每复制 64 KB 到 32 MB 的数据， 磁盘就会进行交换操作， 而且媒体的耐用年限会缩短。</p>	<p>先将文件复制到计算机的硬盘（或者某个其它媒体）， 完成之后再将文件从硬盘复制到 ODA 媒体。</p>

不可取的操作	可行的解决方案
<p>[4]</p> <p>读取分散在多个磁盘上的文件</p> <p>示例：</p> <p>通过 XDCAM Viewer 播放剪辑文件时，如果文件记录在 ODA 媒体中的多个磁盘上，而您反复左右移动位置条上的滑块。</p> <p>传输速度会变得极慢，因为磁盘会频繁进行交换操作，而且媒体的耐用年限会缩短。</p>	<p>先将文件复制到计算机的硬盘（或者某个其它媒体），完成之后再从该媒体播放（或删除等）复制的文件。</p> <p>在记录到 ODA 媒体时，如果使用 Content Manager（针对 ODA 的推荐软件），则可避免在多个磁盘上进行记录。（如果记录文件的大小超过可用的磁盘空间，则不一定能避免在多个磁盘上记录。）</p>

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- Qt 6.2

The source code for Qt 6.2 is available on the Web.

To download, please access the following URL:

<http://www.sony.net/Products/Linux>

(Please search "Optical Disc Archive Software" to obtain the source code.)

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Version 3, 29 June 2007

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Module: MD5

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Module: PCRE2 - Stack-less Just-In-Time Compiler, version 10.40

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Email domain: gmail.com

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Module: Secure Hash Algorithm SHA-1

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Module: Secure Hash Algorithm SHA-3 - Keccak, version 3.2

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Guido Bertoni, Joan Daemen, Michaël Peeters and Gilles Van Assche.

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Module: Secure Hash Algorithm SHA-3 - brg_endian, version <https://github.com/BrianGladman/sha/commit/4b9e13ead2c5b5e41ca27c65de4dd69ae0bac228>

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Module: SipHash Algorithm

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Module: Vulkan Memory Allocator, version 2.3.0

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Module: WebGradients

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=====
Module: Wintab API

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Module: X Server helper

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