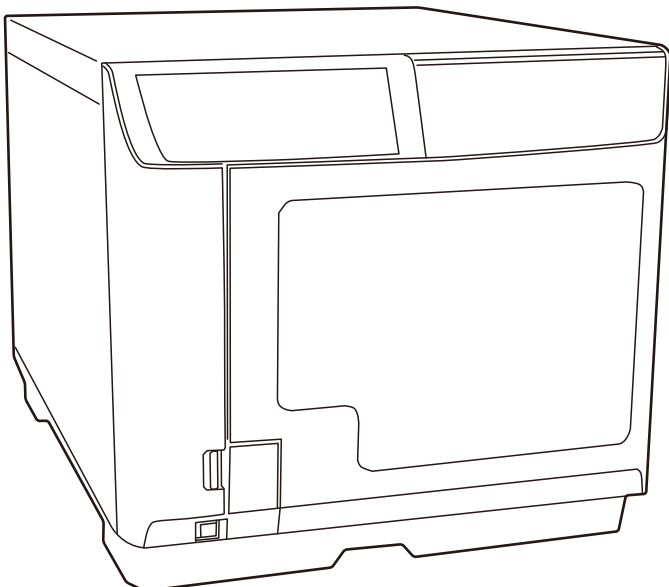


TD Bridge for Linux

技术参考手册



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软件的使用方法

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协同应用程序开发手册

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符号说明

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 重要	提供必须遵守的信息，以避免损坏您的设备或导致故障。
 参考	提供重要的信息和有用的提示。

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关于本手册

手册的用途

本书的目的是向开发技术人员提供使用了Discproducer（PP-100III/PP-50II/PP-100NII）的光盘出版系统的开发、设计所需的所有信息。

手册内容

本手册包括以下部分：

- 第 1 章 [TD Bridge 的概要](#)
- 第 2 章 [规格](#)
- 第 3 章 [准备](#)
- 第 4 章 [软件的使用方法](#)
- 第 5 章 [示例程序的使用方法](#)
- 第 6 章 [协同应用程序开发手册](#)
- 第 7 章 [故障排除](#)
- 附录 [与 Windows 的比较](#)
[确认依赖库](#)
[关于开源软件的著作权](#)

关于刊载的图像和说明

本书中使用UOS桌面版进行说明。使用其他发行版和版本时，请在阅读时自行替换成相应内容。

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TD Bridge 的概要

本章节中将介绍制作PP-100III/PP-50II/PP-100NII协同应用程序所需知晓的TD Bridge for Linux的概要和运行情况。此外，还将介绍运行环境以及能够制作的光盘规格、协同应用程序的构筑例。

本书中在统称PP-100III/PP-50II/PP-100NII时，会记载为Discproducer。

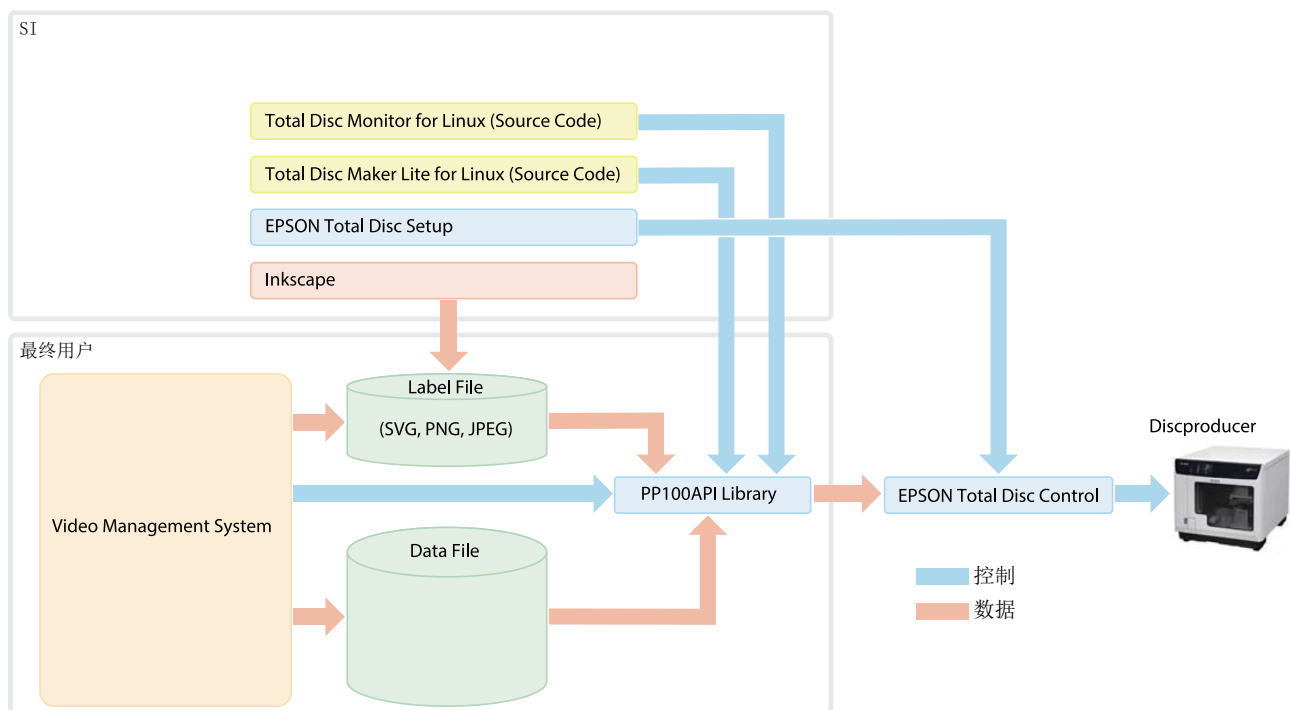
什么是TD Bridge for Linux

TD Bridge for Linux是能够在Linux环境下使用Discproducer系列的软件。

软件结构

项目	安装文件夹	说明
TD Bridge for Linux Installer (epson-tdbridge-ppl00api)	/opt/epson/Total Disc Maker	将安装以下文件。
EPSON Total Disc Control daemon	/opt/epson/Total Disc Maker/bin	控制Discproducer的程序。
PP-100 API library(.so)	/opt/epson/Total Disc Maker/lib	通过客户的程序使用Discproducer时所需的库文件和头文件。
PP-100 API library(.h)	/opt/epson/Total Disc Maker/include	通过客户的程序使用Discproducer时所需的库文件和头文件。
Total Disc Setup for Linux	/opt/epson/Total Disc Maker/bin	用来注册Discproducer并进行设置的软件。
Total Disc Maker Lite for Linux	/opt/epson/Total Disc Maker/bin	能够注册写入数据和封面的打印数据并通过Discproducer进行出版的带GUI的示例程序。
Total Disc Monitor for Linux	/opt/epson/Total Disc Maker/bin	能够通过计算机确认Discproducer的状态的带GUI的示例程序。
Sample program code for PP-100 API (Written in Language C)	/opt/epson/Total Disc Maker/sample	通过库使用Discproducer时所需的示例程序。
Sample code		已准备了Step 1~Step 6。
Total Disc Maker		Total Disc Maker Lite for Linux的源代码。
Total Disc Monitor		Total Disc Monitor for Linux的源代码。
Sample Label file	/opt/epson/Total Disc Maker/label	用于示例的封面文件（SVG格式）。
Epson Printer Communication module installer (epson-printer-io-pro)	/opt/epson/epson-printer-io-pro	Epson通用的通信模块。
		依赖库许可文件。 EULA

结构图



规格

本章将对TD Bridge for Linux的规格进行说明。

终端的运行环境

发行版和 CPU

OS	系统要件	版本	可否使用
统信UOS桌面专业版	兆芯 (x86_64/amd64)	V20	✓
	鲲鹏920, 飞腾2000, 飞腾D2000 (arm64)	V20	✓
	Intel x86_64/ amd64	V20	✓
	龙芯 3A5000 (loongarch64)	V20	✓
中标麒麟桌面操作系统软件	Intel x86_64/ amd64	Release 7.0 (内核版本26)	✓
银河麒麟桌面操作系统 V10	Intel x86_64/ amd64	-	✓
	鲲鹏920, 飞腾2000, 飞腾D2000 (arm64)	-	✓
银河麒麟桌面操作系统 V10 SP1	Intel x86_64/ amd64	-	✓
	鲲鹏920, 飞腾2000, 飞腾D2000 (arm64)	-	✓
	龙芯 3A4000 (mips64el)	-	✓
	龙芯 3A5000 (loongarch64)	-	✓

2

Discproducer 模型

机型	同时连接台数
PP-100III	最多2台
PP-50II	最多1台
PP-100NII	最多2台

依赖库

Discproducer光盘出版应用程序的主机需要以下库。

- libpng1.6.x
- libusb1.0.x
- Inkscape
- imagemagick/
- GraphicsMagick
- Qt5

构建示例程序时需要以下软件。

- gcc 和标准库
- make
- cmake
- Qt5

程序包的规格

每种OS的环境下均具有以下10种程序包。

OS, CPU	Zip 文件名	内容
UOS桌面版 amd64 (=x86_64)	TDBridge_linux_V2xx_UOS_amd64.zip	epson-printer-io-pro_1.x.x-UOS_amd64.deb
		epson-tdbridge-pp100api_2.x.x-UOS_amd64.deb
		Manual with OSS License
		EULA
UOS桌面版 arm64 (=aarch64)	TDBridge_linux_V2xx_UOS_arm64.zip	epson-printer-io-pro_1.x.x-UOS_arm64.deb
		epson-tdbridge-pp100api_2.x.x-UOS_arm64.deb
		Manual with OSS License
		EULA
UOS Desktop 3A5000 (=loongarch64)	TDBridge_linux_V2xx_UOS_loongarch64.zip	epson-printer-io-pro_1.x.x-UOS_loongarch64.deb
		epson-tdbridge-pp100api_2.x.x-UOS_loongarch64.deb
		Manual with OSS License
		EULA
中标麒麟桌面版 amd64 (=x86_64)	TDBridge_linux_V2xx_nd7.x86_64.zip	epson-printer-io-pro-1.x.x_nd7.x86_64.rpm
		epson-tdbridge-pp100api-2.x.x_nd7.x86_64.rpm
		Manual with OSS License
		EULA
Kylin V10 amd64	TDBridge_linux_V2xx_KV10_amd64.zip	epson-printer-io-pro_1.x.x_amd64.deb
		epson-tdbridge-pp100api_2.x.x_amd64.deb
		Manual with OSS License
		EULA
Kylin V10 arm64	TDBridge_linux_V2xx_KV10_arm64.zip	epson-printer-io-pro_1.x.x_arm64.deb
		epson-tdbridge-pp100api_2.x.x_arm64.deb
		Manual with OSS License
		EULA
Kylin V10 SP1 Intel x86_64/ amd64	TDBridge_linux_V2xx_KV10_amd64.zip	epson-printer-io-pro_1.x.x_amd64.deb
		epson-tdbridge-pp100api_2.x.x_amd64.deb
		Manual with OSS License
		EULA

OS, CPU	Zip 文件名	内容
Kylin V10 SP1 Kunpeng 920/ FT2000	TDBridge_linux_V2xx_KV10_arm64.zip	epon-printer-io-pro_1.x.x_arm64.deb
		epon-tdbridge-pp100api_2.x.x_arm64.deb
		Manual with OSS License
		EULA
Kylin V10 SP1 3A4000	TDBridge_linux_V2xx_KV10_mips64el.zip	epon-printer-io-pro_1.x.x_mips64el.deb
		epon-tdbridge-pp100api_2.x.x_mips64el.deb
		Manual with OSS License
		EULA
Kylin V10 SP1 3A5000	TDBridge_linux_V2xx_KV10_loongarch64.zip	epon-printer-io-pro_1.x.x_loongarch64.deb
		epon-tdbridge-pp100api_2.x.x_loongarch64.deb
		Manual with OSS License
		EULA

光盘的规格

光盘的类型和记录格式

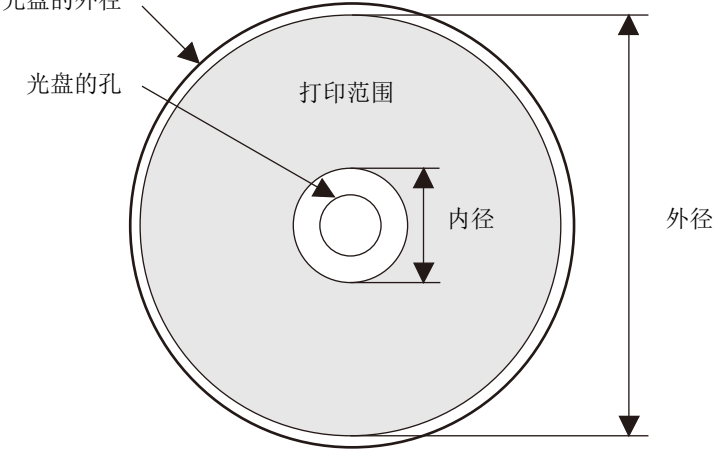
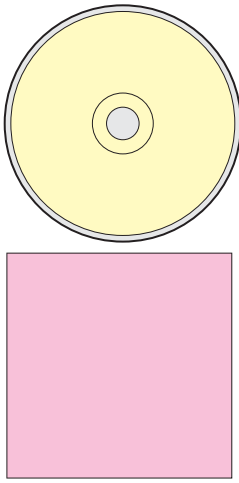
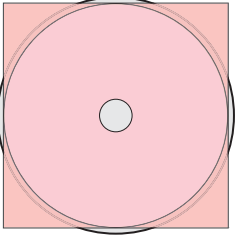
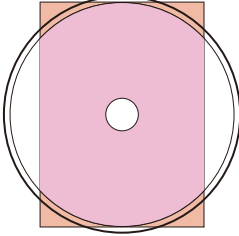
可制作的光盘及格式如下所示。

项目		规格	光盘一次刻录	多区段刻录	项目
光盘类型		CD-R	650MB / 700MB	✓	✓
		DVD-R	4. 7GB（单面1层）	✓	✓
		DVD+R	4. 7GB（单面1层）	✓	—
		DVD-R DL	8. 5GB（单面2层）	✓	—
		DVD+R DL	8. 5GB（单面2层）	✓	—
		BD-R	25GB（单面1层）	✓	✓
		BD-R DL	50GB（单面2层）	✓	✓
		BD-R XL 100	100GB（单面3层）	✓	✓
		BD-R XL 128	128GB（单面4层）	✓	✓
记录格式	AudioCD	AudioCD		—	—
	数据CD	IS096602级		✓	—
		Joliet		—	—
		UDF1. 02		✓	✓
	Video-CD	Video-CD		—	—
	数据DVD	UDF1. 02		✓	✓
		UDF1. 50		—	—
		UDF1. 02 + ISO Bridge		—	—
	DVD-Video	DVD-Video		—	—
	数据BD	UDF1. 02		✓	✓
		UDF2. 60		✓	—

记录格式和限制事项

记录格式	文件名和文件夹名中不可使用的字符	字符数限制		文件夹最多级数
		文件名	文件夹名	
ISO9660L2	"a~z" [] \ ^ ' { } @ # \$ % & ' / : * ? " < > ; 全角	31个字符 (包含点 "." + 扩展名3个字符) (62 Byte)	31个字符 (62 Byte)	8级
Joliet	\ / : * ? " < > ;	64个字符 (包含点 "." + 扩展名3个字符) (128 Byte)	64个字符 (128 Byte)	128级
UDF102	\ / : * ? " < >	126个字符 (包含点 "." + 扩展名3个字符) (252 Byte)	126个字符 (252 Byte)	128级
UDF150	\ / : * ? " < >	126个字符 (包含点 "." + 扩展名3个字符) (252 Byte)	126个字符 (252 Byte)	128级
UDF102_BRIDGE	"a~z" [] \ ^ ' { } @ # \$ % & ' / : * ? " < > ; 全角	31个字符 (包含点 "." + 扩展名3个字符) (62 Byte)	31个字符 (62 Byte)	8级
UDF260	\ / : * ? " < >	126个字符 (包含点 "." + 扩展名3个字符) (252 Byte)	126个字符 (252 Byte)	128级

封面打印规格

项目		规格
支持文件		PNG, Jpeg, SVG
插入打印		仅限SVG
打印范围	外径	70.0 - 119.4 mm
	内径	18.0 - 50.0 mm
<p>配置封面文件时将对准光盘的中心。</p> 		
<p>封面的位置调整</p> <p>所制作的封面文件的尺寸与光盘的打印区域一致时，如下进行打印。</p> <div><p>打印前的示意图</p></div> <p>打印后的示意图</p>  <div><p>■ 光盘的打印区域</p><p>■ 光盘的非打印区域</p><p>■ 封面文件</p><p>■ 封面文件被裁掉的部分</p></div> <p>图像文件长边的长度会被分配为打印区域外径DiscDiamOut的边。 短边按照与长边相同的比例放大缩小后，与中央对齐。</p>  <div><p>■ 封面文件</p><p>■ 封面文件被裁掉的部分</p></div>		

关于维护部件

以下部件请确认PP100_PUBLISHER_STATUS的值，在适当的时机进行更换。

维护部件	到达使用年限时的表现	对应的变量	更换的参考标准
油墨	无法继续打印。	stInkStatus	0
维护箱	无法继续打印。	ulMaintenanceBoxFreeSpace	维护箱的使用年限：0
驱动器	发生写入错误。	ulDriveLife	100
自动装载设备	输送失误增加。	ulCompleteDiscNum	PP-100III: 75, 000份 PP-50II: 15, 000份 PP-100NII: 30, 000份

限制事项

- 任务的优先级无法变更。
- 任务无法暂停。请用户通过 Total Disc Monitor 或者 API 取消任务。（PP-100 API 和 Total Disc Monitor 不具有暂停 JOB 的功能。）
- 在任务的执行过程中，请勿对包括其他连接设备在内的设备进行 USB 设备、USB 电缆的插拔和电源的 ON/OFF 操作。
- 请勿以 root 权限执行访问驱动器的命令。


准备

本章将对从Discproducer光盘出版应用程序for Linux的安装，到Discproducer主机的连接步骤进行说明。

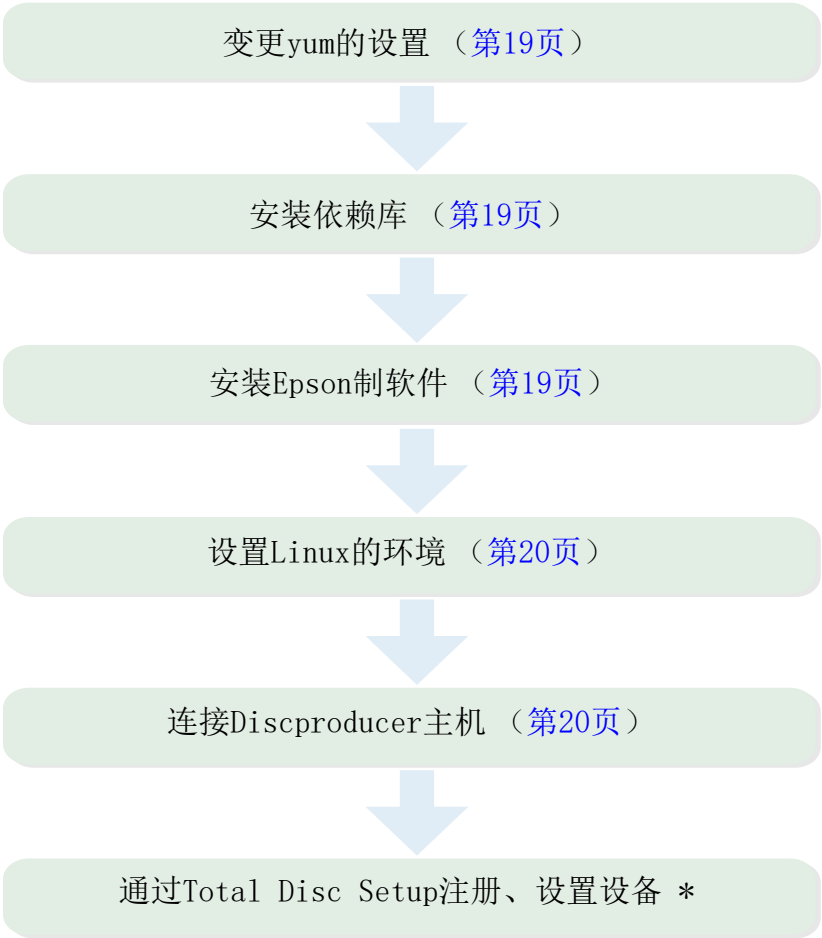
- 中标麒麟桌面版（第 18 页）
- UOS 桌面版（第 21 页）
- Kylin V10（第 25 页）
- Kylin V10 SP1（第 28 页）

 参考	请以 root 权限执行软件的安装。
--	--------------------

中标麒麟桌面版

 参考	从版本 1.0 进行更新时，请先卸载全部现有的 Epson 制软件后，再进行下载。在此情况下，设备注册等信息不被继承。 从版本 2. x 进行更新时，请使用 rpm-Uvh 命令安装现有的 Epson 制软件。
--	--

OS为中标麒麟桌面版时，按照以下步骤进行安装。



* 详情请参阅第4章第31页“Total Disc Setup”。

变更 yum 的设置

根据需要，添加程序包管理器的资料库。

例

```
/etc/yum.repos.d/neokylin.repo

[neokylin-extras]
name= NeoKylin 7.0 extras
baseurl=http://download.cs2c.com.cn/neokylin/desktop/everything/7.0/$basearch/zx/os/
enabled=1
gpgcheck=0
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-neokylin-$basearch
```

安装依赖库

未安装所需的依赖库时，需手动添加安装。
所需依赖库的详情请参阅第10页“依赖库”。

例

```
# yum install inkscape
```

安装 Epson 制软件

利用以下命令安装Epson制软件。

例

```
# rpm -Uvh epson-printer-io-pro-1.2.x.rpm
# rpm -Uvh epson-tdbridge-pp100api-2.x.x-amd64.rpm
```

卸载 Epson 制软件

要卸载Epson制软件时，需执行以下命令。

例

```
# rpm -e epson-printer-io-pro
# rpm -e epson-tdbridge-pp100api
```

设置 Linux 的环境

设置运行TD Bridge for Linux的计算机。

电源设置

请实施以下设置。

- 在电源连接至插座的状态下使用。
- 采用不会进入休眠状态的设置。

例



连接 Discproducer 主机

将Discproducer主机连接至Linux环境的计算机上。

按照以下步骤进行连接。详情请参阅与Discproducer主机同包装的手册。

- 1 接通 Discproducer 的电源。
- 2 利用 USB 电缆将 Discproducer 主机与 Linux 环境的计算机连接。

UOS 桌面版

OS为UOS桌面版时，按照以下步骤进行安装。

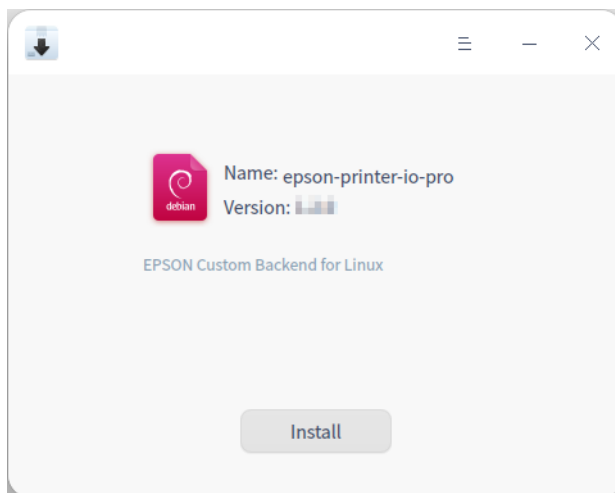


* 详情请参阅第4章第31页“Total Disc Setup”。

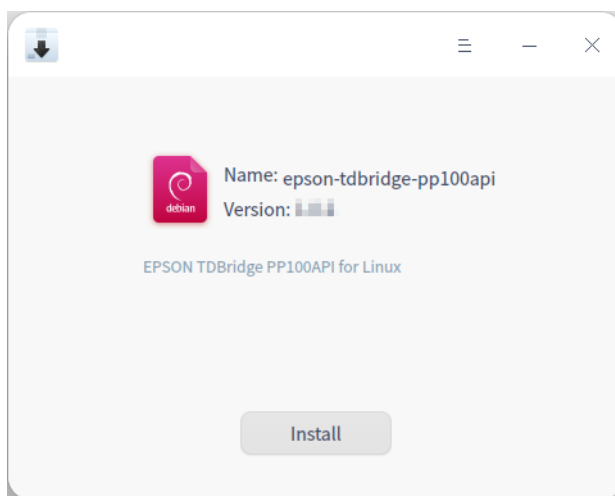
安装 Epson 制软件

请按照以下步骤进行安装。

- 1 双击 `epson-printer-io-pro_XXX.deb`，安装 communication module common to epson。



- 2 双击 `epson-tdbridge-pp100api_XXX.deb`，安装 TD Bridge for Linux。



3

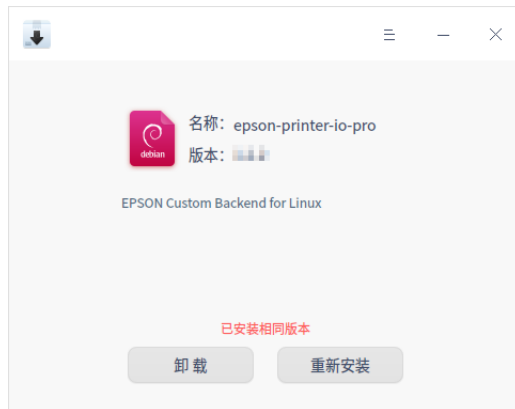
卸载 Epson 制软件

卸载epson-printer-io-pro和epson-tbridge-pp100api。

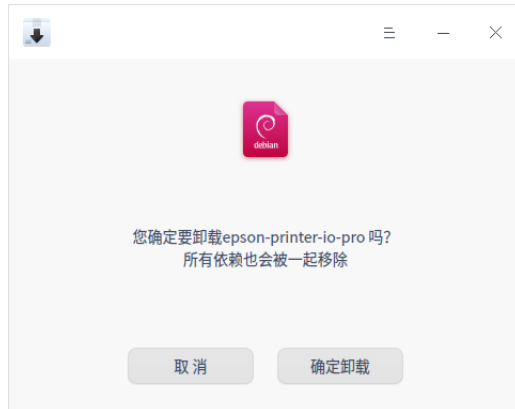
- 1 双击 deb 文件。



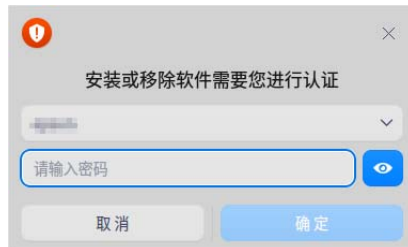
- 2 单击 [卸载]。epson-printer-io-pro 将被卸载。



- 3 单击 [确定卸载]。



- 4 输入密码。



经过以上操作，epson-printer-io-pro和epson-tbridge-pp100api即被卸载。

设置 Linux 的环境

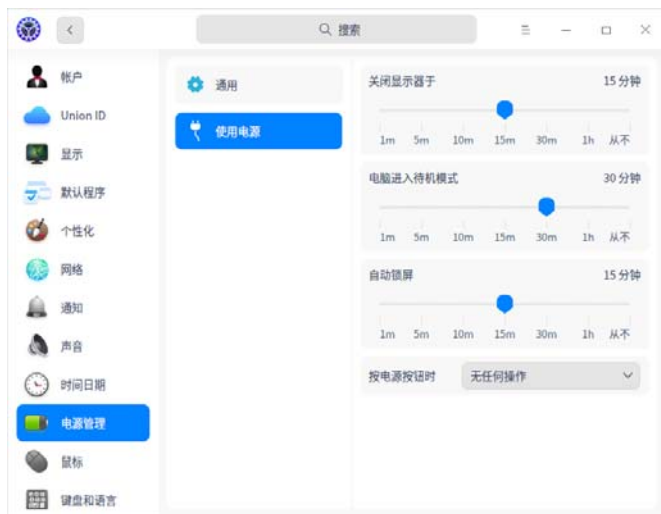
设置运行TD Bridge for Linux的计算机。

电源设置

请实施以下设置。

- 在电源连接至插座的状态下使用。
- 采用不会进入休眠状态的设置。

例



连接 Discproducer 主机

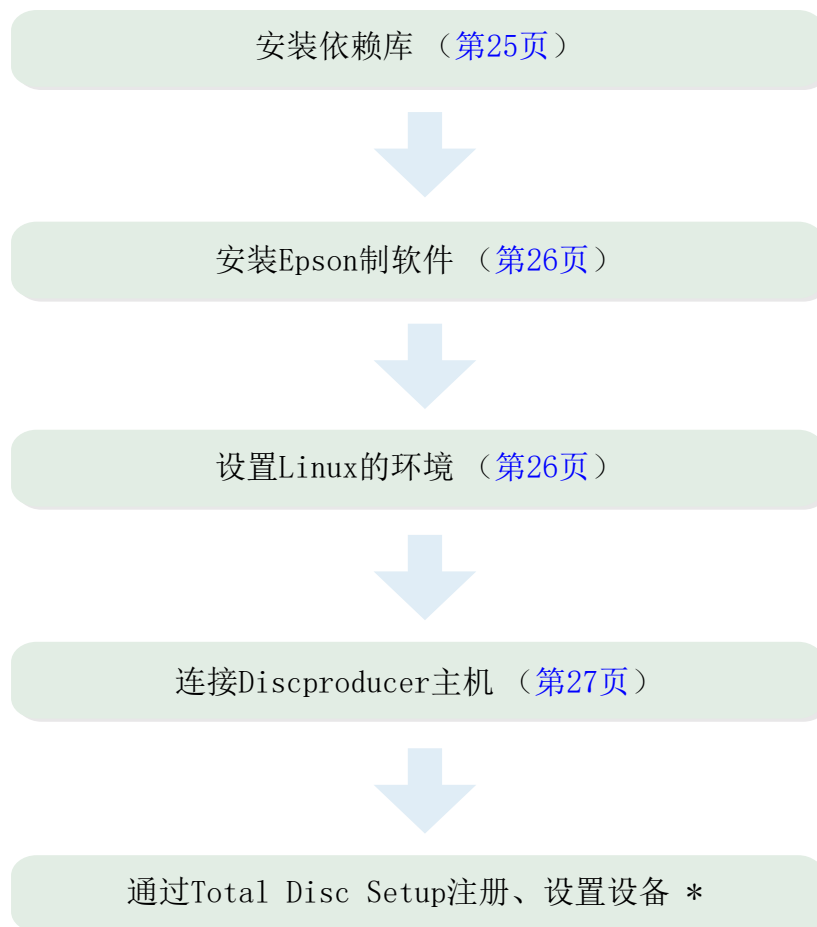
将Discproducer主机连接至Linux环境的计算机上。

按照以下步骤进行连接。详情请参阅与Discproducer主机同包装的手册。

- 1 接通 Discproducer 的电源。
- 2 利用 USB 电缆将 Discproducer 主机与 Linux 环境的计算机连接。

Kylin V10

OS为Kylin V10时，按照以下步骤进行安装。



* 详情请参阅第4章第31页“Total Disc Setup”。

安装依赖库

未安装所需的依赖库时，需手动添加安装。

所需依赖库的详情请参阅第10页“依赖库”。

例

```
# apt update
# apt autoremove
# apt install inkscape
# apt install libpng16-16
```

安装 Epson 制软件

利用以下命令安装Epson制软件。

例

```
# dpkg -i epson-printer-io-pro_1.2.x_amd64.deb
# dpkg -i epson-tdbridge-pp100api_2.x.x_amd64.deb
```

卸载 Epson 制软件

要卸载Epson制软件时，需执行以下命令。

例

```
# dpkg -P epson-tdbridge-pp100api
# dpkg -P epson-printer-io-pro
```

设置 Linux 的环境

设置运行TD Bridge for Linux的计算机。

电源设置

请实施以下设置。

- 在电源连接至插座的状态下使用。
- 采用不会进入休眠状态的设置。

例



连接 Discproducer 主机

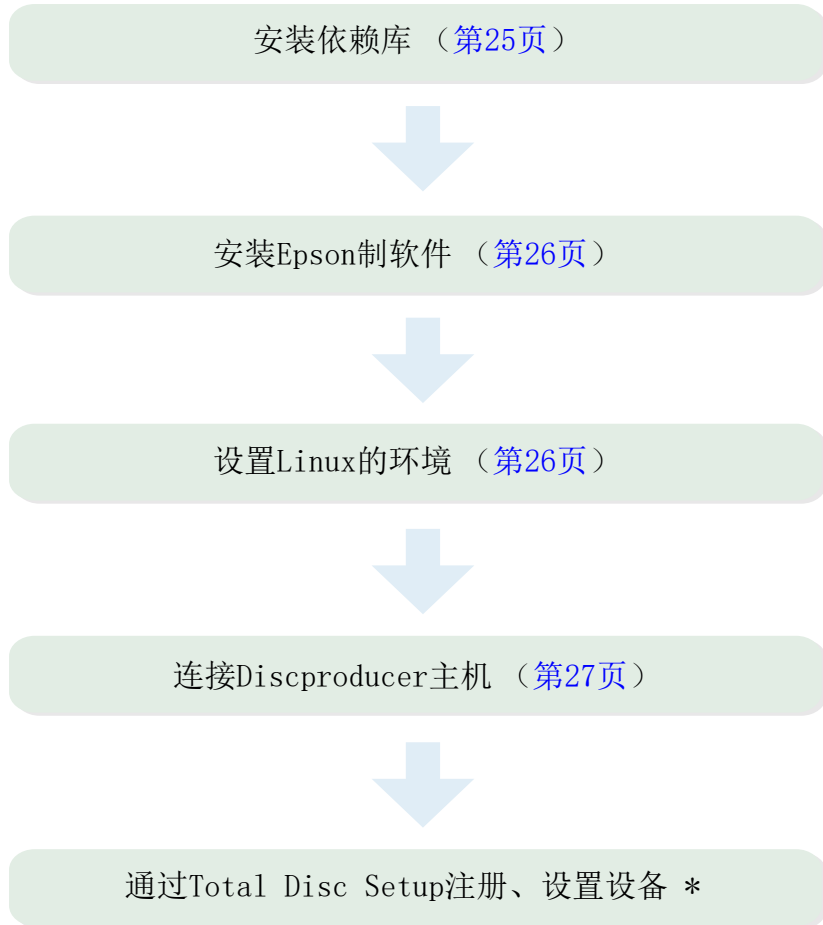
将Discproducer主机连接至Linux环境的计算机上。

按照以下步骤进行连接。详情请参阅与Discproducer主机同包装的手册。

- 1 接通 Discproducer 的电源。
- 2 利用 USB 电缆将 Discproducer 主机与 Linux 环境的计算机连接。

Kylin V10 SP1

OS为Kylin V10 SP1时，按照以下步骤进行安装。



* 详情请参阅第4章第31页“Total Disc Setup”。

安装依赖库

未安装所需的依赖库时，需手动添加安装。

所需依赖库的详情请参阅第10页“依赖库”。

例

```
# apt update
# apt autoremove
# apt install inkscape
# apt install libpng16-16
```

安装 Epson 制软件

利用以下命令安装Epson制软件。

例

```
# dpkg -i epson-printer-io-pro_1.2.x_amd64.deb  
# dpkg -i epson-tdbridge-pp100api_2.x.x_amd64.deb
```

卸载 Epson 制软件

要卸载Epson制软件时，需执行以下命令。

例

```
# dpkg -P epson-tdbridge-pp100api  
# dpkg -P epson-printer-io-pro
```

设置 Linux 的环境

设置运行TD Bridge for Linux的计算机。

电源设置

请实施以下设置。



- 在电源连接至插座的状态下使用。
- 采用不会进入休眠状态的设置。

例



工作文件夹设置

因为工作文件夹仅有80 Gbyte，Kylin V10SP1无法创建BD-R XL。如要创建BD-R XL，请创建一个工作文件夹。

 重要	用户应设置工作文件夹的访问权限。 卸载软件时，请删除工作文件夹。
 参考	<ul style="list-style-type: none">工作文件夹用于发行 PP-100III/PP-50II/PP-100NII。请勿对工作文件夹指定 /run 或 ./tmp 目录。操作系统可能自动删除文件或目录，导致发生错误。

创建一个工作文件夹后，请将其注册到Total Disc Setup。



连接 Discproducer 主机

将Discproducer主机连接至Linux环境的计算机上。
按照以下步骤进行连接。详情请参阅与Discproducer主机同包装的手册。

- 1 接通 Discproducer 的电源。
- 2 利用 USB 电缆将 Discproducer 主机与 Linux 环境的计算机连接。

软件的使用方法

本章将对Epson提供的软件的使用方法以及TD Bridge for Linux所需的软件进行说明。

Total Disc Setup

EPSON Total Disc Setup是将Discproducer注册到计算机中的软件。此外，还可进行用Discproducer出版光盘所需的基本设置，例如出版模式、使用的盘仓和驱动器等。

 参考	<ul style="list-style-type: none">• 所有计算机中都必须进行设置。• 执行任务的期间内，无法变更 Discproducer 的设置。
--	--

启动 Total Disc Setup

按照以下方法启动。

- 中标麒麟桌面版：
依序单击 [开始菜单] - [所有应用] - [附件] - [EPSON Total Disc Setup]，启动程序。
- UOS 桌面版：
在 [开始菜单] 的 [Search] 中输入 “ep”，单击显示在菜单列表中的 [EPSON Total Disc Setup]，启动程序。
- Kylin V10：
依序单击 [开始] - [所有应用] - [附件] - [EPSON Total Disc Setup]，启动程序。

Total Disc Setup 的画面结构

设置画面



项目		规格
①	注册	注册Discproducer。
②	删除	删除已注册的Discproducer。 删除从列表中选择Discproducer。
③	属性	显示从列表中选择Discproducer的〔属性〕画面。
列表	名称	在列表中显示已注册的Discproducer的名称。
	机型名称	显示Discproducer的机型名称（PP-XXX）。
	主机名称	显示主机名称。
	状态	显示Discproducer的状态。
	未完成的任务	显示Discproducer的未完成的任务数。
	传输	显示正在传输任务的编号。
	可用硬盘空间	显示此产品内置硬盘空间。



参考

如果〔状态〕为“版本不受支持”，请下载 Server System Soft version 3.30 或更新版本。



属性画面

一般 (PP-100III/PP-50II)

属性 - PP-100III 1(PP-100III (BD-XL))

一般

打印机维护

维护信息

关于

名称

PP-100III 1

盘仓设置

出版模式

标准模式

盘仓1

CD-R

盘仓2

输出盘仓

盘仓3

不使用



驱动器设置

使用的驱动器

同时使用

写入重试的次数

3

打印设备设置


☒ 在错误发生的光盘上显示错误标志(E)

确定

应用(A)

取消


项目	规格
名称	能够变更Discproducer的名称。
盘仓设置	设置出版模式、放在盘仓中的光盘的类型以及输出盘仓。 (PP-100III) 能够设置出版模式和盘仓1、2、3。 (PP-50II) 能够设置出版模式和盘仓1、2。
驱动器设置	(PP-100III) 设置使用的驱动器、发生写入错误时的重试次数。 (PP-50II) 设置发生写入错误时的重试次数。
打印机设置	设置是否在发生错误的光盘上打印错误标志。

 参考

盘仓的设置发生变更时，请重启 Total Disc Maker Lite。
在重启 Total Disc Maker Lite 之前，盘仓的设置不会反映到 Total Disc Maker Lite 中。重启前执行的任务会在任务受理前发生错误。

打印机维护



项目	规格
喷嘴检查	打印用来确认打印头堵塞的图案。确认打印机的堵塞。请按照单击后显示的画面的指示进行操作。
打印头清洗	发生打印头堵塞时，需清洗打印头（喷嘴）。会消耗油墨。请按照单击后显示的画面的指示进行操作。
 参考	请通过 Windows 环境下的 Total Disc Setup 调整间隙、校正打印位置。

维护信息



项目	规格
出版的光盘总数（PP-100III）	显示至今为止出版的光盘的累积份数。（也包含未打印的份数。）
打印光盘的份数	显示至今为止打印的光盘的累计份数。
维护箱可用空间（PP-100III）	以0～100%显示维护箱的可用空间。接近0%时，表示需要更换维护箱。
驱动器1的使用年限 / 驱动器2的使用年限（PP-100III/PP-100NII）	显示驱动器的使用年限。接近100%时，表示需要更换。
驱动器的使用年限（PP-50II）	显示驱动器的使用年限。接近100%时，表示需要更换。

版本信息



项目	规格
序列号	显示Discproducer的序列号。
自动装载设备	显示内置在Discproducer中的自动装载设备固件的版本。
打印机	显示内置在Discproducer中的打印机固件的版本。
驱动器1 （PP-100III/PP-100NII）	显示安装在Discproducer中的驱动器1固件的版本。
驱动器2 （PP-100III/PP-100NII）	显示安装在Discproducer中的驱动器2固件的版本。
驱动器 （PP-50II）	显示内置在Discproducer中的驱动器固件的版本。

通用



项目	规格
工作文件夹	指定创建光盘时的工作文件夹。

通知设置 (PP-100III)



项目		规格
任务完成时或供给源盘仓空时发出哔音 (PP-100III)		勾选了勾选框后，会通过蜂鸣器通知任务已经完成或供给源盘仓已空。
任务完成时通知	每个任务完成后通知	任务完成时通知，可在每个任务完成后通知和所有任务完成后通知这两种方式中选择一种。
	所有任务完成后通知	

日志获取功能

- 1 单击 [工具] - [收集和保存日志]。



- 2 单击 [是]。




- 3 保存文件。

Total Disc Maker Lite的使用方法

Total Disc Maker Lite是具备Discproducer光盘出版应用程序基本功能的软件。能够注册写入数据和封面的打印数据并出版光盘。

本软件提供的功能也可以嵌入到客户的应用程序中。作为带GUI的示例程序进行提供。

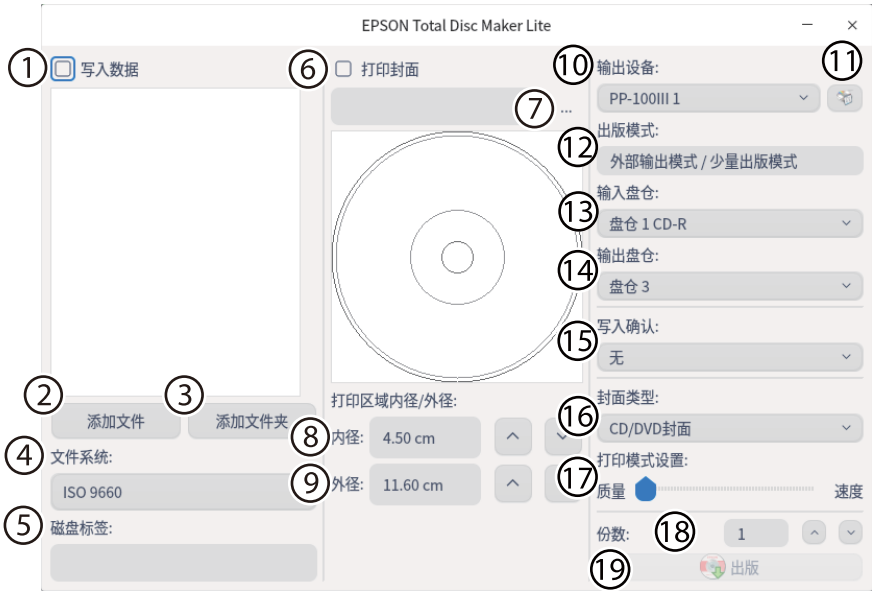
**参考**

如果在 Total Disc Maker Lite 的启动期间内 Discproducer 的设置发生了变更，则请重启 Total Disc Maker Lite。

启动 Total Disc Maker Lite

- 按照以下方法启动。
- 中标麒麟桌面版：
依序单击 [开始菜单] - [所有应用] - [附件] - [EPSON Total Disc Maker Lite]，启动程序。
 - UOS 桌面版：
在 [开始菜单] 的 [Search] 中输入 “ep”，单击显示在菜单列表中的 [EPSON Total Disc Maker Lite]，启动程序。
 - Kylin V10：
依序单击 [开始] - [所有应用] - [附件] - [EPSON Total Disc Maker Lite]，启动程序。

Total Disc Maker Lite 的画面结构



项目	规格	对应 API	对应常数
记录面			
1. 写入数据	指定是否记录到DISC中。	PP100_SetData	
2. 添加文件	指定记录到DISC中的文件。		
3. 添加文件夹	指定记录到DISC中的文件夹。所指定的文件夹下有子文件夹时，子文件夹也会一同被记录。		

项目	规格	对应 API	对应常数
记录面			
4. 文件系统	ISO9660：主要用于CD	PP100_SetFormat	PP100API_ISO9660L2
	UDF1.02：主要用于DVD		PP100API_UDF102
	UDF2.60：主要用于BD		PP100API_UDF260
5. 磁盘标签	指定DISC的磁盘标签。	PP100_SetVolumeLabel	
打印面			
6. 打印封面	指定是否打印到封面上。	PP100_SetLabel	
7. 选择文件	指定打印到封面上的图像文件。 （SVG，PNG，JPEG）		
8. 内径（cm）	初始值：4.50 最大500、最小180 （值的单位为0.1mm）	PP100_SetLabelArea	
9. 外径（cm）	初始值：11.60 最大1,194、最小180 （值的单位为0.1mm）		
通用			
10. 输出设备	选择输出的设备。选择通过Total Disc Setup注册的设备。	PP100_SetPublisher	
11. 属性	将显示所选择的输出设备的〔属性〕对话框。	PP100_GetPublisherStatus	
12. 出版模式	将显示所选择的输出设备的出版模式。 根据出版模式的选择，〔输入盘仓〕、〔输出盘仓〕会有所不同，请确认设置内容。请通过〔属性〕对话框变更出版模式。	PP100_GetPublisherStatus(ulMode)	标准模式：PP100API_NORMAL_MODE
			外部输出模式： PP100API_OUTPUT_MODE
			批处理模式：PP100API_BATCH_MODE
13. 输入盘仓	选择插入空白光盘的盘仓。 （仅在外部输出模式/少量出版模式时有效）	PP100_SetInStacker	PP100API_STACKER1
			PP100API_STACKER2
			PP100API_STACKER1_OR_STACKER2
		PP100_SetDiscType	PP100API_CD
			PP100API_DVD
			PP100API_DVD_DL
			PP100API_BD
			PP100API_BD_DL
			PP100API_BD_XL100
PP100API_BD_XL128			
14. 输出盘仓	选择出版的光盘要输出到的盘仓。 （仅在标准模式时有效）	PP100_SetOutStacker	PP100API_STACKER2
			PP100API_STACKER3
			PP100API_STACKER4
15. 写入确认	〔无〕：设置为出版后不进行写入确认。	PP100_SetCompare	PP100API_DONT_COMPARE
	〔比较〕：出版后与已注册的数据进行比较，进行写入确认。		PP100API_COMPARE
16. 封面类型	〔CD/DVD封面〕： 标准打印。	PP100_SetLabelType	PP100API_CD_DVD_LABEL
	〔高画质CD/DVD封面〕： 高画质打印。		PP100API_CD_DVD_PREMIUM_LABEL
	〔光泽CD/DVD封面〕： 有光泽的打印。		PP100API_EPSON_SPECIFIED_CD_DVD_LABEL

项目	规格	对应 API	对应常数
通用			
17. 打印模式设置	[1]: 打印封面时重视打印质量。与 [2] 相比打印质量会提高，但打印速度会减慢。	PP100_SetPrintMode	PP100API_PRINTMODE1
	[2]: 打印封面时重视打印速度。与 [1] 相比打印速度会加快，但打印质量会降低。		PP100API_PRINTMODE2
18. 份数	指定出版份数（1~1000份）。	PP100_SetCopies	
19. 出版	出版编辑中的文件。	PP100_CreateJob ~ PP100_SubmitJob	
 参考		<ul style="list-style-type: none">所设置的数据中出现错误时，会显示错误代码。在出版按钮变为有效之前，请勿退出 Total Disc Maker Lite。按钮未有效时代表还未生成图像文件，光盘的制作会失败。	

Total Disc Monitor 的使用方法

Total Disc Monitor是检查CD/DVD/BD出版人的状态，显示CD/DVD/BD出版人的当前状态、油墨剩余量以及任务的状态等的软件。

本软件提供的功能也可以嵌入到客户的应用程序中。作为带GUI的示例程序进行提供。

 参考

- Windows 版中任务无法暂停。
- 一台设备能够启动多个本软件。

启动 Total Disc Monitor

按照以下方法启动。

- 中标麒麟桌面版：
依序单击 [开始菜单] - [所有应用] - [附件] - [EPSON Total Disc Monitor]，启动程序。
- UOS 桌面版：
在 [开始菜单] 的 [Search] 中输入 “ep”，单击显示在菜单列表中的 [EPSON Total Disc Monitor]，启动程序。
- Kylin V10：
依序单击 [开始] - [所有应用] - [附件] - [EPSON Total Disc Monitor]，启动程序。

Total Disc Monitor 的画面结构

设备选择画面



项目	规格
设备名称	选择要监视的设备。设备名称处会显示通过Total Disc Setup注册的设备。
确定	将显示主画面，开始监视所选择的设备。
取消	Total Disc Monitor画面将关闭。

主画面



项目	规格	参数
通用（API：PP100_GetJobStatusEX）		
Window Title	显示通过Total Disc Setup注册时的设备名称。	pPublisherName [65]
未完成的任务选项卡（API：PP100_GetJobStatusEX）		
任务名称	通过PP100_CreateJob返回的JOB ID和磁盘标签作为任务名称显示。以“JobID（磁盘标签）”的形式显示。	pJobID
状态	显示任务的状态，例如未完成等。	ulJobStatus
份数	显示要出版光盘的正常出版份数/总份数。通过进度条显示处理的进度状况。	ulPublicationNumber
类型	显示任务的类型，例如写入、打印、出版（打印和写入）、读取、测量等。	ulJobType
输入盘仓	显示光盘输入盘仓的盘仓编号。	ulSource
输出盘仓	显示光盘输出盘仓的盘仓编号。	ulDestination
需要的时间	显示至任务完成所需的时间。显示会随着处理的进行而更新。	ulEstimateTime
完成的任务选项卡（API：PP100_GetJobStatusEX）		
任务名称	通过PP100_CreateJob返回的JOB ID和磁盘标签作为任务名称显示。以“JobID（磁盘标签）”的形式显示。	pJobID
状态	显示任务完成时的状态。	ulJobStatus
成功份数	显示写入、打印、测量、出版等操作成功的光盘的份数。	ulCompletionNumber
失败份数	显示写入、打印、测量、出版等操作失败的光盘的份数。	ulErrorNumber
指定份数	显示指定为要制作光盘的总份数。	ulPublicationNumber
类型	显示任务的类型，例如写入、打印、出版（打印和写入）、读取、测量等。	ulJobType
输出盘仓	显示光盘输出盘仓的盘仓编号。	ulDestination

项目	规格	参数
设备状态（API: PP100_GetPublisherStatus）		
设备状态	在无法通信或CD/DVD/BD出版人发生错误等时，会显示错误的内 容。	ulINFORMATIONCode [50] ulErrorCode
油墨剩余量显示	显示油墨剩余量。	stInkStatus
CD/DVD/BD驱动器的状 态显示	显示CD/DVD/BD驱动器的状态。	ulDriveStatus [2]
CD/DVD/BD驱动器的进 度状态	写入中、写入确认中、读取中、测量中时，会通过进度条显示处理 的进度状况。	ulDriveProgress [2]
打印机的状态显示	显示打印机的状态。	ulPrinterStatus
出版模式	显示出版模式。	ulMode
盘仓1/2的状态显示	显示当前设置的出版模式和盘仓的状态。	ulStackerSetting [4] ulStackerRest [4]
盘仓3的状态显示	显示当前设置的出版模式和盘仓的状态。	ulStackerSetting [4] ulStackerRest [4]
盘仓4的状态显示	显示当前设置的出版模式和盘仓的状态。	ulStackerSetting [4] ulStackerRest [4]
USB连接模式	通过图标显示当前连接着的USB的连接模式（USB 2.0/3.0）。	ulUsbConnectionMode

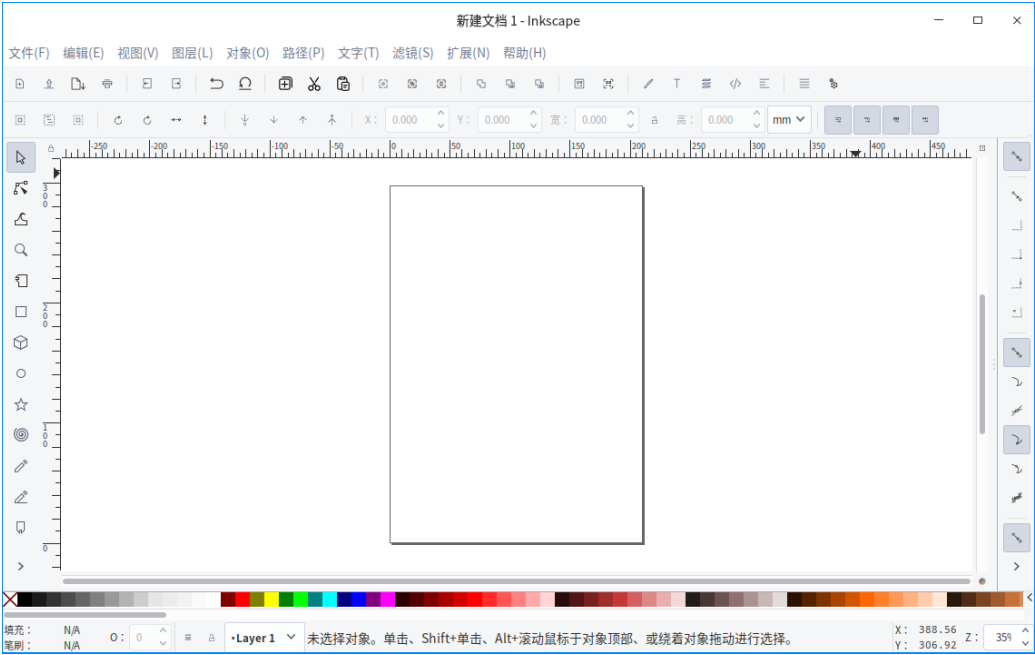
准备封面文件（Inkscape）

Inkscape 是能够以专业质量创建、编辑矢量图像的软件。Inkscape 采用 W3C 开放标准的 SVG（Scalable Vector Graphics，可缩放矢量图形）作为本地的格式。
请参阅 Inkscape 的 Help。

启动 Inkscape

按照以下方法启动。

- 中标麒麟桌面版：
依序单击 [开始菜单] - [所有应用] - [图形] - [Inkscape]，启动程序。
- UOS 桌面版：
依序单击 [开始菜单] - [图形] - [Inkscape]，启动程序。
- Kylin V10：
依序单击 [开始] - [所有应用] - [Inkscape]，启动程序。



设置 Inkscape 的文档

根据打印区域的外径，设置页面设置中的自定义尺寸。




示例程序的使用方法

本章将对示例程序的使用方法进行说明。

示例程序的一览

安装TD Bridge for Linux PP-100 API（epson-tdbridge-pp100api-2.x.x）时，会安装示例程序。

 参考	示例程序保存在以下目录中。 /opt/epson/Total Disc Maker/sample
--	---

其中包含以下示例程序。

目录	说明
Step 1	API的基本使用方法（Step 1）的源代码
Step 2	API的基本使用方法（Step 2）的源代码
Step 3	API的基本使用方法（Step 3）的源代码
Step 4	设备和现有任务的状态显示
Step 5	执行记录面的JOB
Step 6	执行插入打印的JOB
Step 7	多区段刻录写入及插入打印的JOB执行
Total Disc Maker Lite for Linux	Total Disc Maker Lite for Linux的源代码 （软件的功能请参阅第39页“Total Disc Maker Lite的使用方法”。）
Total Disc Monitor for Linux	Total Disc Monitor的源代码 （软件的功能请参阅第42页“Total Disc Monitor的使用方法”。）

示例代码的复制和构建

示例代码的复制

使用以下命令复制示例代码。

```
$ cd ~
$ mkdir ppl00api_sample
$ cp -r /opt/epson/Total Disc Maker/sample/* ~/ppl00api_sample/
```

使用 cmake 生成 Makefile

使用以下命令生成Makefile。

```
$ cd ~/ppl00api_sample
$ mkdir build
$ cd build
$ cmake ..
```



参考

Linux 环境下没有 make、cmake 时，请使用以下命令进行安装。

< 中标麒麟桌面版 >

```
# yum install make
# yum install cmake
# yum install gcc-c++
# yum install qt5-qtbase-devel
# yum install qt5-linguist
```

<UOS 桌面版 >

```
# apt install make
# apt install cmake
# apt install g++
# apt install qtbase5-dev
# apt install qttools5-dev
```

<Kylin V10/ Kylin V10 SP1>

```
# apt install qtbase5-dev
# apt install qttools5-dev
# apt install qttools5-dev-tools
```


使用 make 进行构建

使用以下命令构建示例代码。

```
$ cd ~/pp100api_sample/build  
$ make
```

执行示例程序

使用以下命令执行示例代码。

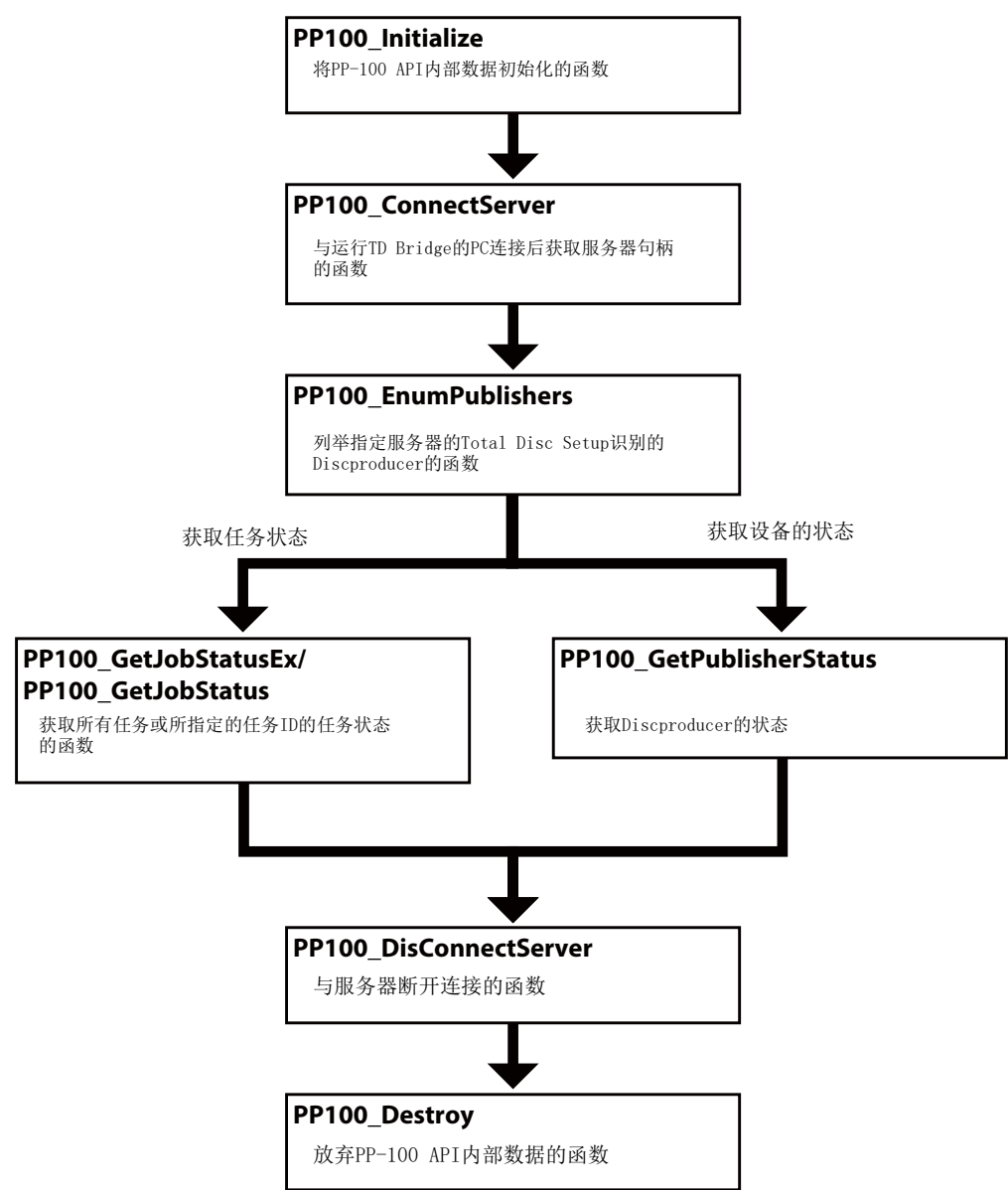
```
$ cd ~/pp100api_sample/build  
$ PP100APISampleStep1/PP100APISampleStep1  
$ PP100APISampleStep2/PP100APISampleStep2  
$ PP100APISampleStep3/PP100APISampleStep3  
$ PP100APISampleStep4/PP100APISampleStep4  
$ PP100APISampleStep5/PP100APISampleStep5  
$ PP100APISampleStep5/PP100APISampleStep6  
$ PP100APISampleStep5/PP100APISampleStep7
```

协同应用程序开发手册

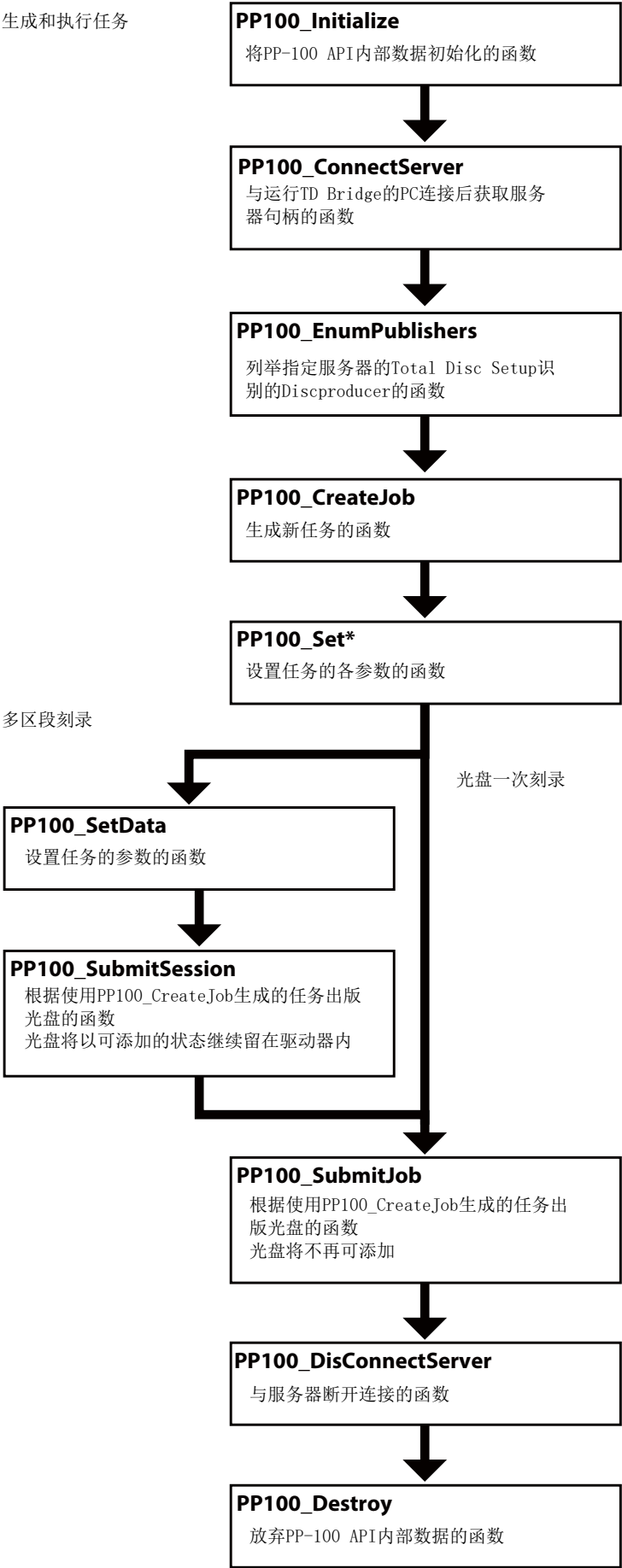
本章将对制作协同应用程序所需的必要事项进行说明。

编程流程

使用API的协同应用程序的基本编程流程图如下所示。



生成和执行任务



多区段刻录

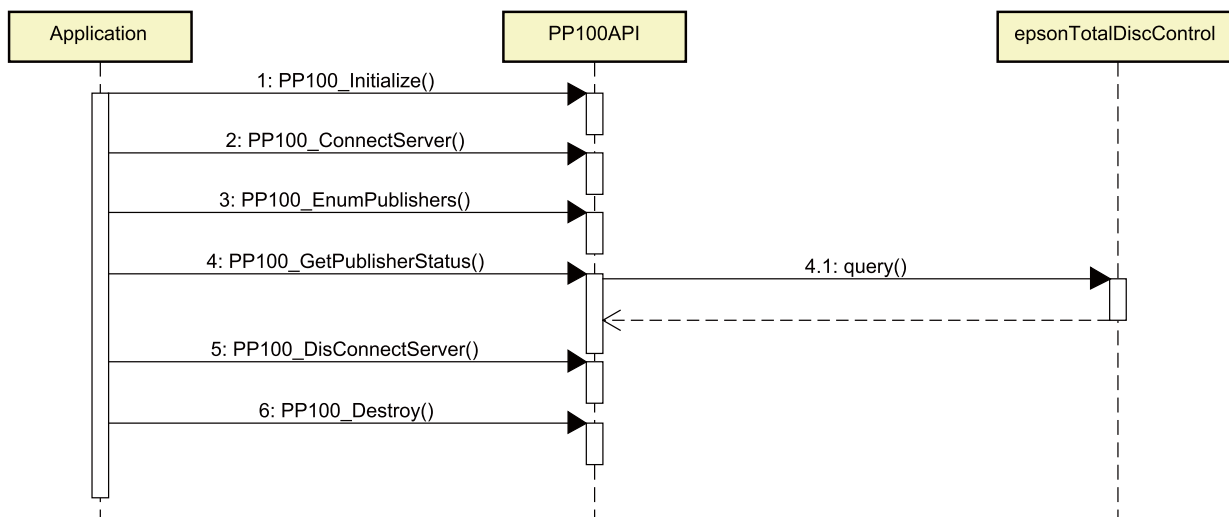
光盘一次刻录

以下为各API与处理对象任务的关系。

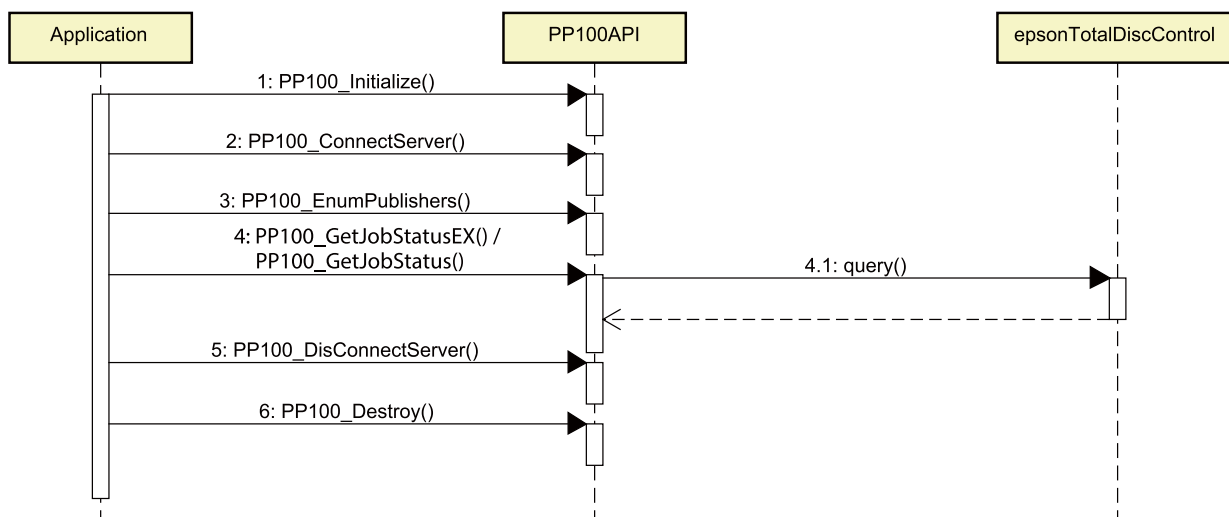
函数类型	发布作业前	使用PP100_SubmitSession 发布作业后	使用PP100_SubmitJob 发布作业后	说明
PP100_GetJobStatus	-	✓	✓	获取所有任务或所指定的任务ID的任务状态的函数
PP100_GetCreatedJobList	✓	✓	✓	列举使用PP100_CreateJob生成的任务的ID的函数
PP100_CopyJob	✓	✓	✓	复制使用PP100_CreateJob生成的任务内容，并分配其他任务ID的函数
PP100_DeleteJob	✓	✓	✓	删除使用PP100_CreateJob生成的任务的函数
PP100_SubmitSession	✓	✓	-	根据使用PP100_CreateJob生成的任务出版光盘的函数 光盘将以可添加的状态继续留在驱动器内
PP100_SubmitJob	✓	-	-	根据使用PP100_CreateJob生成的任务出版光盘的函数 光盘将不再可添加
PP100_CancelJob	-	✓	✓	取消任务的函数
PP100_SetData	✓	✓	-	设置所生成的任务的下一个区段的参数的函数
PP100_AddData	✓	✓	-	添加所生成的任务的下一个区段的参数的函数
PP100_DeleteData	✓	✓	-	删除所生成的任务的下一个区段的参数的函数
PP100_GetData	✓	✓	✓	删除所生成的任务的参数的函数
PP100_Set* (Data以外)	✓	-	-	设置所生成的任务的参数的函数
PP100_Add* (Data以外)	✓	-	-	添加所生成的任务的参数的函数
PP100_Delete* (Data以外)	✓	-	-	删除所生成的任务的参数的函数
PP100_Get* (Data以外)	✓	✓		获取所生成的任务的参数的函数

基本序列图

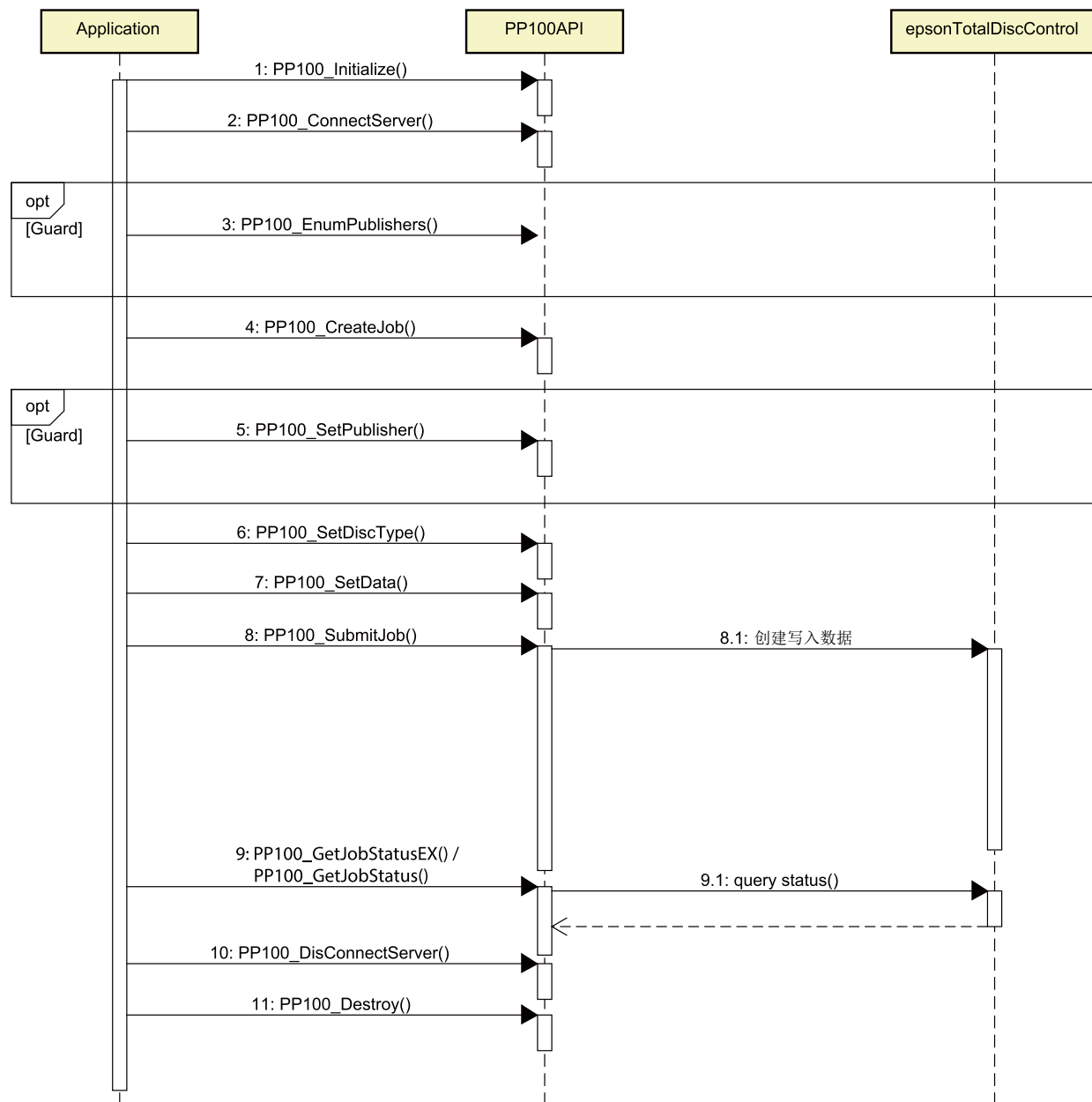
获取 Discproducer 的状态



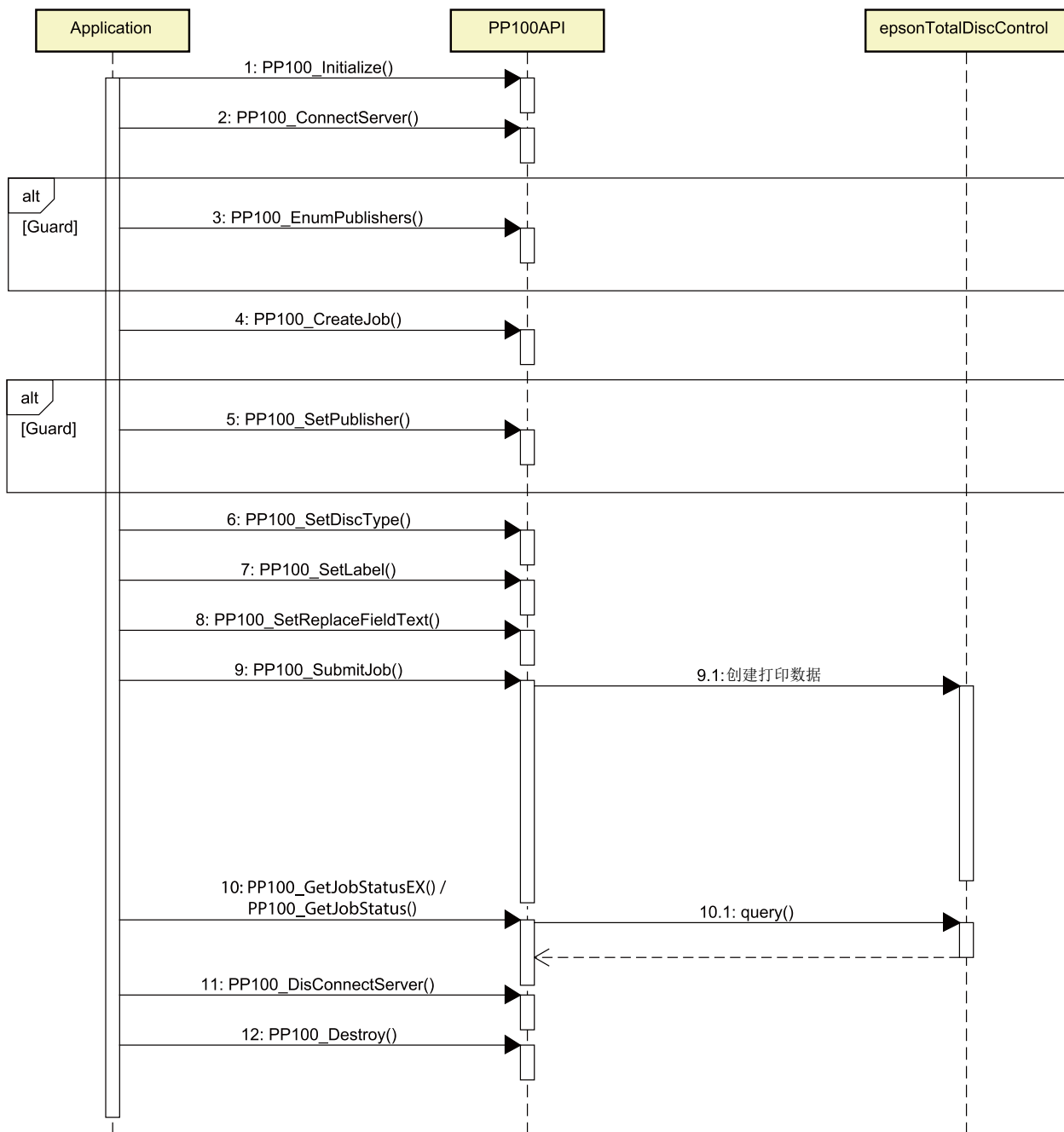
获取 JOB 状态



出版光盘

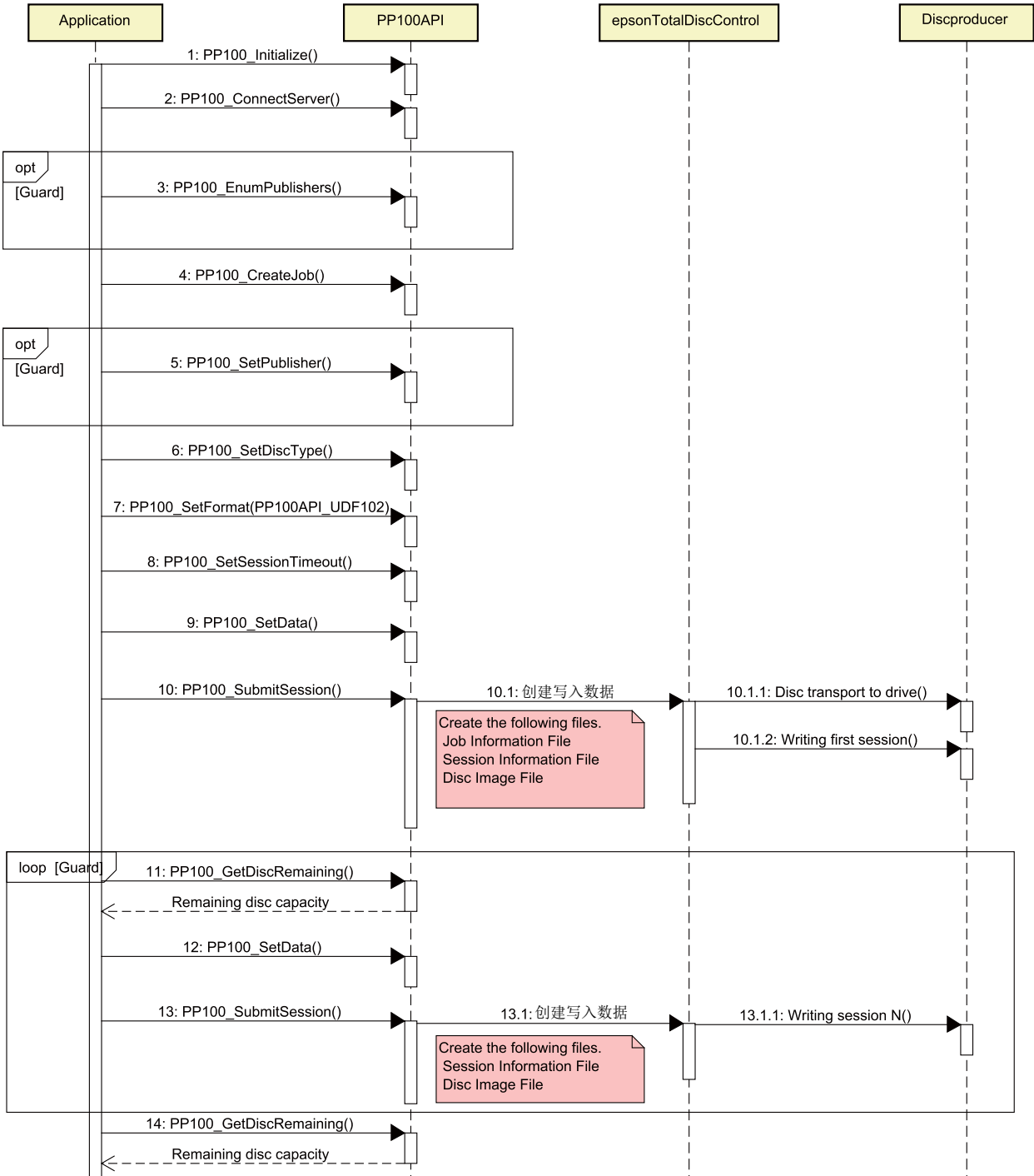


插入打印

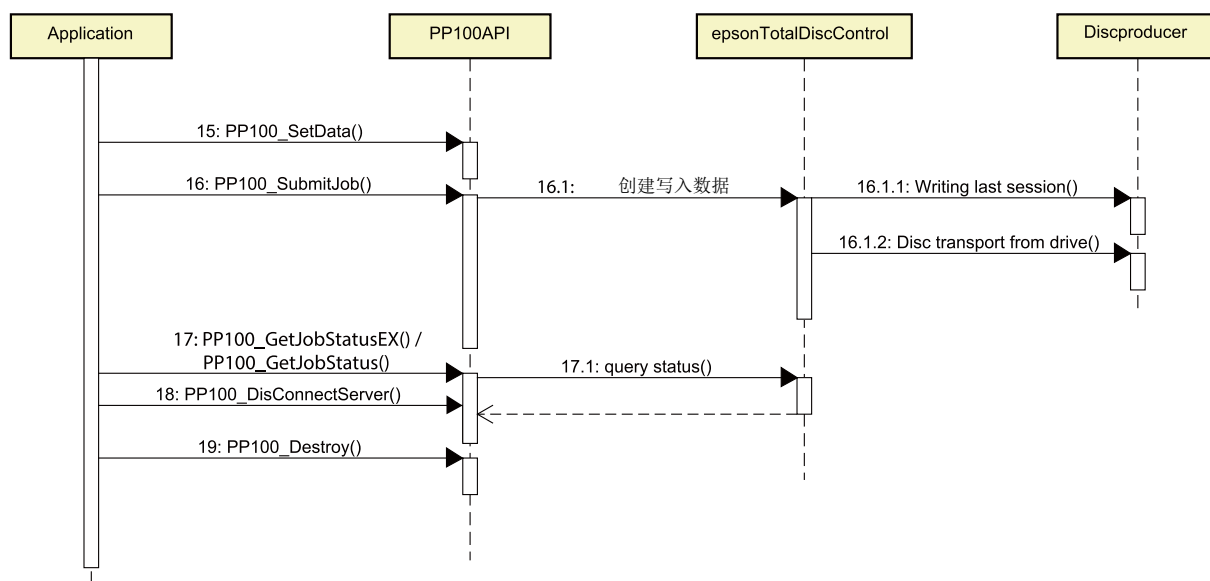


多区段刻录处理

(1/2)



(2/2)



API 函数

此处对各API的规格进行说明。

API 列表

API		说明
初始化API	PP100_Initialize	将PP-100 API内部数据初始化的函数
结束API	PP100_Destroy	放弃PP-100 API内部数据的函数
用来实现兼容性的功能	PP100_ConnectServer	与运行TD Bridge的PC连接后获取服务器句柄的函数
	PP100_DisConnectServer	与服务器断开连接的函数
获取连接设备的列表	PP100_EnumPublishers	列举指定服务器的Total Disc Setup识别的Discproducer的函数
获取设备的状态	PP100_GetPublisherStatus	获取指定Discproducer的状态的函数
获取JOB状态	PP100_GetJobStatus	获取所有任务或所指定的任务ID的任务状态的函数。如果完成任务不小于100个，将获取最近50个状态。利用任务ID进行任务的指定。
	PP100_GetJobStatusEX	获取所有任务或所指定的任务ID的任务状态的函数。如果完成任务不小于100个，将获取最近50个状态。利用任务ID或设备名称进行任务的指定。
创建JOB	PP100_CreateJob	生成新任务的函数
获取JOB列表	PP100_GetCreatedJobList	列举使用PP100_CreateJob生成的任务的ID的函数
复制JOB信息	PP100_CopyJob	复制使用PP100_CreateJob生成的任务内容，并分配其他任务ID的函数
删除JOB信息	PP100_DeleteJob	删除使用PP100_CreateJob生成的任务的函数
执行JOB	PP100_SubmitJob	根据使用PP100_CreateJob生成的任务出版光盘的函数
取消JOB	PP100_CancelJob	取消任务的函数
多区段刻录	PP100_SubmitSession	切换为多区段刻录（分多次写入任务）的函数
	PP100_GetMultiSession	判断任务有无被指定为写入多区段刻录光盘的函数
	PP100_SetSessionTimeout	指定前一个写入结束后至执行下一个PP100_SubmitSession的超时值的函数
	PP100_GetSessionTimeout	获取前一个写入结束后至执行下一个PP100_SubmitSession的超时值的函数
	PP100_GetSessionCount	获取所指定的多区段刻录写入任务的光盘剩余容量的函数
	PP100_GetDiscRemaining	获取所指定的多区段刻录写入任务的光盘剩余容量的函数
设置JOB	PP100_SetPublisher	设置任务的PUBLISHER参数的函数
	PP100_GetPublisher	获取任务的PUBLISHER参数的函数
	PP100_SetCopies	设置任务的COPIES参数的函数
	PP100_GetCopies	获取任务的COPIES参数的函数

API	说明
设置JOB	PP100_SetOutStacker
	设置任务的OUT_STACKER参数的函数
	PP100_GetOutStacker
	获取任务的OUT_STACKER参数的函数
	PP100_SetInStacker
	设置任务的IN_STACKER参数的函数
	PP100_GetInStacker
	获取任务的IN_STACKER参数的函数
	PP100_SetDiscType
	设置任务的DISC_TYPE参数的函数
	PP100_GetDiscType
	获取任务的DISC_TYPE参数的函数
	PP100_SetWritingSpeed
	设置任务的WRITING_SPEED参数的函数
	PP100_GetWritingSpeed
	获取任务的WRITING_SPEED参数的函数
	PP100_SetCompare
	设置任务的COMPARE参数的函数
	PP100_GetCompare
	获取任务的COMPARE参数的函数
	PP100_SetFormat
	设置任务的FORMAT参数的函数
	PP100_GetFormat
	获取任务的FORMAT参数的函数
	PP100_SetData
	将任务的DATA参数初始化后再次设置DATA参数的函数
	PP100_AddData
	添加到任务的现有DATA参数中的函数
	PP100_DeleteData
	删除任务的DATA参数的函数
	PP100_GetData
	获取任务的DATA参数的函数
	PP100_SetVolumeLabel
	设置任务的VOLUME_LABEL参数的函数
	PP100_GetVolumeLabel
	获取任务的VOLUME_LABEL参数的函数
	PP100_SetLabel
	设置任务的LABEL参数的函数
	PP100_GetLabel
	获取任务的LABEL参数的函数
	PP100_SetLabelType
	设置任务的LABEL_TYPE参数的函数
	PP100_GetLabelType
	获取任务的LABEL_TYPE参数的函数
	PP100_SetReplaceFieldText
	将任务的REPLACE_FIELD参数初始化后，再次设置REPLACE_FIELD参数的函数
	PP100_AddReplaceFieldText
	添加到任务的现有REPLACE_FIELD参数中的函数
	PP100_DeleteReplaceFieldText
	删除任务的REPLACE_FIELD参数的函数
	PP100_GetReplaceFieldText
	获取任务的REPLACE_FIELD参数的函数
	PP100_SetLabelArea
	设置任务的LABEL_AREA参数的函数
	PP100_GetLabelArea
	获取任务的LABEL_AREA参数的函数
	PP100_SetPrintMode
	设置任务的PRINT_MODE参数的函数
	PP100_GetPrintMode
	获取任务的PRINT_MODE参数的函数

PP100_Initialize

将PP-100 API内部数据初始化。

语法

```
long PP100_Initialize (void)
```

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_SUPPORTED	在不支持的环境下运行
PP100API_FAILURE	失败

PP100_Destroy

放弃PP-100 API内部数据。

语法

```
long PP100_Destroy (void)
```

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_FAILURE	失败

PP100_ConnectServer

与运行TD Bridge的PC连接后获取服务器句柄。

语法

```
long PP100_ConnectServer (char pHost[64], char
pOrderFolder[256], unsigned long * pHandle)
```

参数

参数		说明
IN	pHost[64]	固定： NULL
IN	pOrderFolder[256]	固定： NULL
OUT	pHandle	服务器句柄存储缓冲区

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pHost[64]并非NULL且pOrderFolder[256]为NULL b. pHandle为NULL
PP100API_HOST_NOT_FOUND	未发现pHost[64]
PP100API_ORDER_FOLDER_NOT_FOUND	未发现pOrderFolder[256]
PP100API_ACCESS_DENIED	对目录的访问被拒绝
PP100API_FAILURE	失败

PP100_DisConnectServer

与服务器断开连接。

语法

```
long PP100_DisConnectServer (unsigned long ulHandle)
```

参数

参数		说明
IN	ulHandle	通过PP100_ConnectServer获取的服务器句柄

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	ulHandle为NULL
PP100API_HOST_NOT_FOUND	未发现使用ulHandle指定的主机
PP100API_FAILURE	失败

PP100_EnumPublishers

列举指定服务器的Total Disc Setup识别的Discproducer。

语法

```
long PP100_EnumPublishers (unsigned long ulHandle,
PP100_ENUM_PUBLISHER_INFO pEnumPublisherInfo[], unsigned long
* pEnumPubilsherInfoNum)
```

参数

参数		说明
IN	ulHandle	通过PP100_ConnectServer获取的服务器句柄
IN	pEnumPublisherInfo[]	前往列举结果存储缓冲区排列的指针 本排列的存储器区域必须由调用源确保。 请参阅第114页“PP100_ENUM_PUBLISHER_INFO”。
IN/OUT	pEnumPubilsherInfoNum	pEnumPublisherInfo[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. ulHandle为NULL b. pEnumPublisherInfo[]为NULL c. pEnumPubilsherInfoNum为NULL
PP100API_HOST_NOT_FOUND	未发现使用ulHandle指定的主机
PP100API_ACCESS_DENIED	对目录的访问被拒绝
PP100API_MORE_ITEMS	使用pEnumPubilsherInfoNum指定的排列数不足。此时，代入pEnumPubilsherInfoNum所需的排列数。
PP100API_FAILURE	失败

PP100_GetPublisherStatus

获取指定Discproducer的状态。

语法

```
long PP100_GetPublisherStatus (unsigned long ulHandle, char
pPublisherName[65], PP100_PUBLISHER_STATUS pPublisherStatus)
```

参数

参数		说明
IN	ulHandle	通过PP100_ConnectServer获取的服务器句柄
IN	pPublisherName[65]	注册到Total Disc Setup时的设备名称
OUT	pPublisherStatus	状态的储存目标缓冲区 请参阅第115页“PP100_PUBLISHER_STATUS”。

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. ulHandle为NULL b. pPublisherName[65]为NULL c. pPublisherStatus为NULL
PP100API_HOST_NOT_FOUND	未发现使用ulHandle指定的主机
PP100API_PUBLISHER_NOT_FOUND	未发现使用pPublisherName[65]指定的Discproducer
PP100API_ACCESS_DENIED	对目录的访问被拒绝
PP100API_FAILURE	失败

PP100_GetJobStatus

获取所有任务或所指定的任务ID的任务状态。可利用任务ID进行任务的指定。如果完成任务不小于50个，将获取最近50个状态。

语法

```
long PP100_GetJobStatus (unsigned long ulHandle, char
pJobID[41], PP100_JOB_STATUS pJobStatus[], unsigned long *
pJobStatusNum)
```

参数

参数		说明
IN	ulHandle	通过PP100_ConnectServer获取的服务器句柄
IN	pJobID[41]	将NULL指定为任务ID时，将获取所有任务状态
OUT	pJobStatus[]	任务状态储存目标缓冲区 本排列的存储器区域必须由调用源确保 请参阅第116页“PP100_JOB_STATUS”。
IN/OUT	pJobStatusNum	pJobStatus[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. ulHandle为NULL b. pJobID[41]为NULL c. pJobStatus[]为NULL d. pJobStatusNum为NULL
PP100API_HOST_NOT_FOUND	未发现使用ulHandle指定的主机
PP100API_ACCESS_DENIED	对目录的访问被拒绝
PP100API_MORE_ITEMS	使用pJobStatusNum指定的排列数不足。此时，代入pJobStatusNum所需的排列数
PP100API_INFORMATION_CODE_NOT_DEFINED	使用pJobID[41]指定的任务未被识别
PP100API_FAILURE	失败

PP100_GetJobStatusEX

获取所有任务或所指定的任务ID的任务状态。可利用任务ID或设备名称进行任务的指定。如果完成任务不小于50个，将获取最近50个状态。

语法

```
long PP100_GetJobStatusEX (unsigned long ulHandle, char
pJobID[41], char pPublisherName[65], PP100_JOB_STATUS_EX
pJobStatus[], unsigned long * pJobStatusNum)
```

参数

参数		说明
IN	ulHandle	通过PP100_ConnectServer获取的服务器句柄
IN	pJobID[41]	将NULL指定为任务ID时，将获取所有任务状态
IN	pPublisherName[65]	注册在DiscSetup上的设备名称。如未指定，所有设备将成为目标。
OUT	pJobStatus[]	任务状态储存目标缓冲区 本排列的存储器区域必须由调用源确保 请参阅第117页“PP100_JOB_STATUS_EX”。
IN/OUT	pJobStatusNum	pJobStatus[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. ulHandle为NULL b. pJobID[41]为NULL c. pJobStatus[]为NULL d. pJobStatusNum为NULL
PP100API_HOST_NOT_FOUND	未发现使用ulHandle指定的主机
PP100API_PUBLISHER_NOT_FOUND	未发现使用pPublisherName[65]指定的Discproducer
PP100API_ACCESS_DENIED	对目录的访问被拒绝
PP100API_MORE_ITEMS	使用pJobStatusNum指定的排列数不足。此时，代入pJobStatusNum所需的排列数
PP100API_INFORMATION_CODE_NOT_DEFINED	使用pJobID[41]指定的任务未被识别
PP100API_FAILURE	失败

PP100_CreateJob

生成新任务。

语法

```
long PP100_CreateJob (char pJobID[41])
```

参数

参数		说明
OUT	pJobID[41]	任务ID

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_FAILURE	失败

PP100_GetCreatedJobList

列举使用PP100_CreateJob生成的任务的ID。

语法

```
long PP100_GetCreatedJobList (char ** ppJobID, unsigned long * pJobIDNum)
```

参数

参数		说明
OUT	ppJobID	前往任务ID储存目标缓冲区的排列的指针
IN/OUT	pJobIDNum	任务数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID为NULL b. pJobIDNum为NULL
PP100API_MORE_ITEMS	使用pJobIDNum指定的排列数不足。此时，代入pJobIDNum所需的排列数
PP100API_FAILURE	失败

PP100_CopyJob

复制使用PP100_CreateJob生成的任务内容，并分配其他任务ID。

语法

```
long PP100_CopyJob (char pSourceJobID[41], char
pDestinationJobID[41])
```

参数

参数		说明
IN	pSourceJobID[41]	复制源任务ID
OUT	pDestinationJobID[41]	复制目标任务ID

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pSourceJobID[41]为NULL b. pDestinationJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pSourceJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_DeleteJob

删除使用PP100_CreateJob生成的任务。

语法

```
long PP100_DeleteJob (char pJobID[41])
```

参数

参数		说明
IN	pJobID[41]	任务ID

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pSourceJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_SubmitJob

执行使用PP100_CreateJob生成的任务。

语法

```
long PP100_SubmitJob (unsigned long ulHandle, char pJobID[41],
bool bAutoDelete)
```

参数

参数		说明
IN	ulHandle	通过PP100_ConnectServer获取的服务器句柄
IN	pJobID[41]	任务ID
IN	bAutoDelete	true: 成功时，本函数将删除使用pJobID[41]指定的任务。 false: 本函数不删除任务。因此，不再使用时必须使用PP100_DeleteJob删除任务。

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. ulHandle为NULL b. pJobID[41]为NULL
PP100API_HOST_NOT_FOUND	未发现使用ulHandle指定的主机
PP100API_ACCESS_DENIED	对文件夹的访问被拒绝
PP100API_JOB_NOT_CREATED	未生成使用pSourceJobID[41]指定的任务
PP100API_JOB_SUBMITTED	已向同一服务器执行了相同的任务
PP100API_FAILURE	失败

PP100_CancelJob

取消任务。

语法

```
long PP100_CancelJob (unsigned long ulHandle, char pJobID[41])
```

参数

参数		说明
IN	ulHandle	通过PP100_ConnectServer获取的服务器句柄
IN	pJobID[41]	任务ID

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. ulHandle为NULL b. pJobID[41]为NULL
PP100API_HOST_NOT_FOUND	未发现使用ulHandle指定的主机
PP100API_ACCESS_DENIED	对文件夹的访问被拒绝
PP100API_JOB_IS_SUBMITTED_BY_TOTAL_DISC_MAKER	由于使用pJobID[41]指定的任务将通过Total Disc Maker直接执行，所以无法取消
PP100API_INFORMATION_CODE_NOT_DEFINED	使用pJobID[41]指定的任务未被识别
PP100API_JOB_IS_ALREADY_FINISHED	使用pJobID[41]指定的任务已完成
PP100API_FAILURE	失败

PP100_SubmitSession

会执行使用PP100_CreateJob生成的任务，但光盘会以可添加的状态继续留在驱动器内。
接着，通过执行本API，能够分成数次进行写入。
最后执行PP100_SubmitJob后，光盘将成为禁止添加的状态，并从驱动器中输出。
使用本API写入的光盘即为多区段刻录光盘。
详情请参阅第132页“多区段刻录写入功能”。

语法

```
long PP100_SubmitSession(unsigned long ulHandle, char
pJobID[41], unsigned long * pSessionCount)
```

参数

参数		说明
IN	ulHandle	通过PP100_ConnectServer获取的服务器句柄
IN	pJobID[41]	用来识别使用PP100_CreateJob获取的任务的ID
OUT	pSessionCount	返回写入光盘的区段数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. ulHandle为NULL b. pJobID为NULL
PP100API_HOST_NOT_FOUND	未发现使用ulHandle指定的主机
PP100API_ACCESS_DENIED	对目录的访问被拒绝
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SUBMITTED	已向同一服务器执行了相同的任务
PP100API_FAILURE	失败

PP100_GetMultiSession

判断任务有无被指定为写入多区段刻录光盘。

语法

```
long PP100_GetMultiSession (char pJobID[41], bool *  
pMultiSession)
```

参数

参数		说明
IN	pJobID[41]	用来识别使用PP100_CreateJob获取的任务的ID
OUT	pMultiSession	True: 是使用PP100_SubmitSession执行的任务 False: 并非使用PP100_SubmitSession执行的任务

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_SetSessionTimeout

指定多区段刻录写入时前一个写入结束后至执行下一个PP100_SubmitSession的超时值。

经过指定超时值前未执行PP100_SubmitSession时，将取消该任务，不打印封面，而输出至错误盘仓。

如果指定了PP100API_NOT_TIMEOUT，将不执行超时。如果不使用此函数并将ulSessionTimeout指定为0，将指定为1800秒。

语法

```
long PP100_SetSessionTimeout (char pJobID[41], unsigned long
ulSessionTimeout)
```

参数

参数		说明
IN	pJobID[41]	用来识别使用PP100_CreateJob获取的任务的ID
OUT	ulSessionTimeout	超时值（单位：秒） 该参数被省略时，将指定“1800”（30分钟）。

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetSessionTimeout

获取多区段刻录光盘写入时在前一个写入结束后至执行下一个PP100_SubmitSession的超时值。

语法

```
long PP100_GetSessionTimeout (char pJobID[41], unsigned long *
pSessionTimeout)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pSessionTimeout	超时值（单位：秒）

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pSessionTimeout为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetSessionCount

获取通过所指定的多区段刻录写入任务写入的区段数（执行PP100_SubmitSession的次数）。

语法

```
long PP100_GetSessionCount (char pJobID[41], unsigned long *
pSessionCount)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pSessionCount	区段数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pSessionCount为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetDiscRemaining

获取所指定的多区段刻录写入任务的光盘剩余容量。

语法

```
long PP100_GetDiscRemaining (char pJobID[41], unsigned long
long * pDiscRemaining)
```

参数


参数		说明
IN	pJobID[41]	任务ID
OUT	pDiscRemaining	光盘剩余容量 （单位：字节）

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pDiscRemaining为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_SetPublisher

设置任务的PUBLISHER参数。设置并非必须。

 参考	通过 Total Disc Setup 注册的输出设备仅有 1 台时，可省略本 API。
--	--

语法

```
long PP100_SetPublisher (char pJobID[41], char pPublisher[65])
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pPublisher[65]	指定出版光盘的设备的名称。 未指定时，即为TD Bridge环境设置中的默认输出设备。 环境设置中的默认输出设备也未设置时，如果通过Total Disc Setup注册的输出设备仅有1台，则该设备即为输出设备。（多台时会发生错误） 最多字符数：64 可使用的字符：通过Total Disc Setup注册的设备名称

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetPublisher

获取任务的PUBLISHER参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pPublisher[65]中。

语法

```
long PP100_GetPublisher (char pJobID[41], char pPublisher[65])
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pPublisher[65]	设备名称

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pPublisher[65]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetCopies

设置任务的COPIES参数。设置并非必须。

语法

```
long PP100_SetCopies (char pJobID[41], unsigned long ulNumber)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulNumber	指定要出版的光盘的份数。 可在1~1000的范围内进行指定。未指定时为1。 最多字符数：49 可使用的字符：半角数字

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetCopies

获取任务的COPIES参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pNumber中。

语法

```
long PP100_GetCopies (char pJobID[41], unsigned long *  
pNumber)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pPublisher[65]	出版份数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pNumber为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetOutStacker

设置任务的OUT_STACKER参数。设置并非必须。

语法

```
long PP100_SetOutStacker (char pJobID[41], unsigned long  
ulOutStacker)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulOutStacker	<p>指定要输出的盘仓。</p> <p>【输出目标设备处于标准模式时】</p> <ul style="list-style-type: none">• 【PP-100III/ PP-100NII】 将盘仓2设为输出盘仓时：PP100API_STACKER2 将盘仓3设为输出盘仓时：PP100API_STACKER3 将盘仓4设为输出盘仓时：PP100API_STACKER4• 【PP-50II】 将盘仓2设为输出盘仓时：PP100API_STACKER2 将盘仓3设为输出盘仓时：PP100API_STACKER3 <p>不指定盘仓时，即为TD Bridge的环境设置中的默认输出盘仓。如果未在环境设置中设置默认输出盘仓的状态下进行指定，则盘仓2为输出盘仓。</p> <p>【输出目标设备处于非标准模式时】 禁用（即使指定也会被忽视）</p>

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41] 为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetOutStacker

获取任务的OUT_STACKER参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pOutStacker中。

语法

```
long PP100_GetOutStacker (char pJobID[41], unsigned long *
pOutStacker)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pOutStacker	输出盘仓

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pOutStacker为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetInStacker

设置任务的IN_STACKER参数。设置并非必须。

语法

```
long PP100_SetInStacker (char pJobID[41], unsigned long
ulInStacker)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulInStacker	指定要输入的盘仓。 【输出目标设备处于外部输出模式时】 想要将盘仓1设为输入盘仓时：PP100API_STACKER1 想要将盘仓2设为输入盘仓时：PP100API_STACKER2 想要将盘仓1和盘仓2设为输入盘仓时：PP100API_STACKER1_OR_STACKER2 （不指定时，将被视为已设置为PP100API_STACKER1_OR_STACKER2，并选择安放了通过SetDiscType（第88页）指定的介质的盘仓。） 【输出目标设备处于非外部输出模式时】 禁用（即使指定也会被忽视）

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetInStacker

获取任务的IN_STACKER参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pInStacker中。

语法

```
long PP100_GetInStacker (char pJobID[41], unsigned long *  
pInStacker)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pInStacker	输入盘仓

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pInStacker为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetDiscType

设置任务的DISC_TYPE参数。必须进行设置。

语法

```
long PP100_SetDiscType (char pJobID[41], unsigned long  
ulDiscType)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulDiscType	指定要出版的光盘的类型。 想要出版CD时：PP100API_CD 想要出版DVD 1层时：PP100API_DVD 想要出版DVD 2层时：PP100API_DVD_DL 想要出版BD 1层时：PP100API_BD 想要出版BD 2层时：PP100API_BD_DL 想要出版BD-R XL 100时：PP100API_BD_XL100 想要出版BD-R XL 128时：PP100API_BD_XL128

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetDiscType

获取任务的DISC_TYPE参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pDiscType中。

语法

```
long PP100_GetDiscType (char pJobID[41], unsigned long *
pDiscType)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pDiscType	光盘类型

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pDiscType为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetWritingSpeed

设置任务的WRITING_SPEED参数。设置并非必须。

语法

```
long PP100_SetWritingSpeed (char pJobID[41], float
fWritingSpeed)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	fWritingSpeed	根据光盘类型指定将数据写入光盘时的写入速度。 指定想要的写入速度[N]。 【光盘类型为CD-R时】 40、32、24、16、10、4 【光盘类型为DVD-R时】 12、8、6、4、2、1 【光盘类型为DVD+R时】 12、8、6、4、2.4 【光盘类型为DVD-R DL时】 8、6、4、2 【光盘类型为DVD+R DL时】 8、6、4、2.4 【光盘类型为BD时】 8、6、4、2 【光盘类型为BD DL时】 8、6、4、2 【光盘类型为BD-R XL 100/ BD-R XL 128时】 6、4、2 【通用】 指定速度与光盘类型不符时，即为仅慢于指定速度的速度。未指定时，将以最高速度进行写入。

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. fWritingSpeed小于0
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetWritingSpeed

获取任务的WRITING_SPEED参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pWritingSpeed中。

语法

```
long PP100_GetWritingSpeed (char pJobID[41], float *
pWritingSpeed)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pWritingSpeed	写入速度 正值 小数点第2位以后将被舍去

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pWritingSpeed为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetCompare

设置任务的COMPARE参数。设置并非必须。

语法

```
long PP100_SetCompare (char pJobID[41], unsigned long
ulCompare)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulCompare	指定写入光盘后是否进行比较。 不指定时，不进行比较。 比较时：PP100API_COMPARE 不比较时：PP100API_DONT_COMPARE

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetCompare

获取任务的COMPARE参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pCompare中。

语法

```
long PP100_GetCompare (char pJobID[41], unsigned long *  
pCompare)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pWritingSpeed	比较的设置

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pCompare为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetFormat

设置任务的FORMAT参数。设置并非必须。

语法

```
long PP100_SetFormat (char pJobID[41], unsigned long
ulWritingFormat)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulWritingFormat	制作数据光盘时，指定记录格式。 【光盘类型为CD时】 以ISO9660 2级制作时：PP100API_ISO9660L2 以UDF1.02制作时：PP100API_UDF102 不指定时，以ISO9660 2级制作。 【光盘类型为DVD时】 以UDF1.02制作时：PP100API_UDF102 不指定时，以UDF1.02制作。 【光盘类型为BD时】 以UDF1.02制作时：PP100API_UDF102 以UDF2.60制作时：PP100API_UDF260 不指定时，以UDF2.60制作。

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetFormat

获取任务的FORMAT参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pWritingFormat中。

语法

```
long PP100_GetFormat (char pJobID[41], unsigned long *  
pWritingFormat)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pWritingFormat	写入格式

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pWritingFormat为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetData

将任务的DATA参数初始化后，再次设置DATA参数。设置并非必须。

语法

```
long PP100_SetData (char pJobID[41], PP100_WRITE_DATA
pWriteData[], unsigned long ulWriteDataNum)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pWriteData[]	指定数据光盘的写入文件和文件夹。 请参阅第117页“PP100_WRITE_DATA”。 制作数据光盘时，指定写入数据的写入源路径和写入目标路径。 如要指定为写入源，则写从安装有TD Bridge的计算机上看到的路径。 (指定为写入目标的路径名称的详情请参阅第14页“记录格式和限制事项”)
IN	ulWriteDataNum	pWriteData[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pWriteData[]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_AddData

添加到任务的现有DATA参数中。

语法

```
long PP100_AddData (char pJobID[41], PP100_WRITE_DATA
pWriteData[], unsigned long ulWriteDataNum)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pWriteData[]	写入数据 请参阅第117页“PP100_WRITE_DATA”。
IN	ulWriteDataNum	pWriteData[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pWriteData[]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_DeleteData

删除任务的DATA参数的函数。确认所指定的数据是否存在，存在时进行删除，不存在时返回成功。

语法

```
long PP100_DeleteData (char pJobID[41], PP100_WRITE_DATA
pWriteData[], unsigned long ulWriteDataNum)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pWriteData[]	写入数据 请参阅第117页“PP100_WRITE_DATA”。
IN	ulWriteDataNum	pWriteData[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pWriteData[]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetData

获取任务的DATA参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pWriteData[]中。

语法

```
long PP100_GetData (char pJobID[41], PP100_WRITE_DATA
pWriteData[], unsigned long * pWriteDataNum)
```

参数


参数		说明
IN	pJobID[41]	任务ID
OUT	pWriteData[]	写入数据储存目标缓冲区 请参阅第117页“PP100_WRITE_DATA”。
in/out	pWriteDataNum	pWriteData[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pWriteData[]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_MORE_ITEMS	使用pWriteDataNum指定的排列数不足。此时，代入pWriteDataNum所需的排列数。
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetVolumeLabel

设置任务的VOLUME_LABEL参数。设置并非必须。


 参考	要对数据光盘设置磁盘标签时进行设置。
--	--------------------

语法

```
long PP100_SetVolumeLabel (char pJobID[41], char
pVolumeLabel[63])
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pVolumeLabel[63]	指定数据光盘的磁盘标签。

 参考	根据记录格式，能够使用的字符存在限制。 ISO9660L2：最多 32 个字符。不能使用半角英文大写字母、半角数字、“_”以外的字符。 Joliet：最多 16 个字符。不能使用半角英文大写字母、半角数字、“_”以外的字符。 UDF：最多 62 个字符。 UDF Bridge：最多 32 个字符。不能使用半角英文大写字母、半角数字、“_”以外的字符。
---	--

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetVolumeLabel

获取任务的VOLUME_LABEL参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pVolumeLabel[63]中。

语法

```
long PP100_GetVolumeLabel (char pJobID[41], char
pVolumeLabel[63])
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pVolumeLabel[63]	磁盘标签

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pVolumeLabel[63]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetLabel

设置任务的LABEL参数。设置并非必须。

语法

```
long PP100_SetLabel (char pJobID[41], char pLabel[256])
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pLabel[256]	打印封面时，指定封面文件的路径。 写从安装有TD Bridge的计算机上看到的封面文件的路径。 能够指定为封面文件的是使用Inkscape创建的文件（.SVG）、PNG文件、JPEG文件中的任一种。 最多字符数：255个字符 可使用的字符：作为路径有效的字符串

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetLabel

获取任务的LABEL参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pLabel[256]中。

语法

```
long PP100_GetLabel (char pJobID[41], char pLabel[256])
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pLabel[256]	封面文件

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pLabel[256]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetLabelType

设置任务的LABEL_TYPE参数。设置并非必须。

语法

```
long PP100_SetLabelType (char pJobID[41], unsigned long
ulLabelType)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulLabelType	指定封面类型。 【想要指定CD/DVD封面时】 PP100API_CD_DVD_LABEL 【想要指定高画质的CD/DVD封面时】 PP100API_CD_DVD_PREMIUM_LABEL 【想要指定光泽CD/DVD封面时】 PP100API_EPSON_SPECIFIED_CD_DVD_LABEL 【未指定时】 即为环境设置中的封面类型。

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41] 为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetLabelType

获取任务的LABEL_TYPE参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pLabelType中。

语法

```
long PP100_GetLabelType (char pJobID[41], unsigned long *
pLabelType)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pLabelType	封面类型

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pLabelType为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetReplaceFieldText

将任务的REPLACE_FIELD参数初始化后，再次设置REPLACE_FIELD参数。（文本）
如要将REPLACE_FIELD参数添加到任务，使用[PP100_AddReplaceFieldText](#)。（[第107页](#)）

语法

```
long PP100_SetReplaceFieldText (char pJobID[41],
PP100_REPLACE_FIELD_TEXT pReplaceFieldText[], unsigned long
ulReplaceFieldTextNum)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pReplaceFieldText[]	插入打印数据（文本） 请参阅 第117页 “PP100_REPLACE_FIELD_TEXT”。
IN	ulReplaceFieldTextNum	pReplaceFieldText[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pReplaceFieldText[]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_AddReplaceFieldText

添加到任务的现有REPLACE_FIELD参数中。（文本）

语法

```
long PP100_AddReplaceFieldText (char pJobID[41],
PP100_REPLACE_FIELD_TEXT pReplaceFieldText[], unsigned long
ulReplaceFieldTextNum)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pReplaceFieldText[]	插入打印数据（文本） 请参阅第117页“PP100_REPLACE_FIELD_TEXT”。
IN	ulReplaceFieldTextNum	pReplaceFieldText[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pReplaceFieldText[]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_DeleteReplaceFieldText

删除任务的REPLACE_FIELD参数。确认所指定的数据是否存在，存在时进行删除，不存在时返回成功。（文本）

语法

```
long PP100_DeleteReplaceFieldText (char pJobID[41],
PP100_REPLACE_FIELD_TEXT pReplaceFieldText[], unsigned long
ulReplaceFieldTextNum)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	pReplaceFieldText[]	插入打印数据（文本） 请参阅第117页“PP100_REPLACE_FIELD_TEXT”。
IN	ulReplaceFieldTextNum	pReplaceFieldText[]的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pReplaceFieldText[]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetReplaceFieldText

获取任务的REPLACE_FIELD 参数。（文本）仅在返回值为PP100API_SUCCESS 时，才会将所获取的值存储到 pReplaceFieldText[] 中。

语法

```
long PP100_GetReplaceFieldText (char pJobID[41],
PP100_REPLACE_FIELD_TEXT pReplaceFieldText[], unsigned long *
pReplaceFieldTextNum)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pReplaceFieldText[]	插入打印数据 （文本） 请参阅 第117页 “PP100_REPLACE_FIELD_TEXT” 。
IN/OUT	ulReplaceFieldTextNum	pReplaceFieldText[] 的排列数

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pReplaceFieldText[]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_MORE_ITEMS	使用pReplaceFieldTextNum指定的排列数不足。此时，代入 pReplaceFieldTextNum所需的排列数。
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetLabelArea


设置任务的LABEL_AREA参数。

语法

```
long PP100_SetLabelArea (char pJobID[41], unsigned long
ulDiscDiamOut, unsigned long ulDiscDiamIn)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulDiscDiamOut	外径（未设置时为0。设置时以1/10mm为单位 700 ~ 1194）
IN	ulDiscDiamIn	内径（未设置时为0。设置时以1/10mm为单位 180 ~ 500）

 **参考**

LABEL 参数（[第 102 页](#)）中未指定 JPEG 文件、PNG 文件中的任一项时，禁用此设置。（即使指定也会被忽视）
详情请参阅[第 15 页](#) “封面打印规格”。

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetLabelArea

获取任务的LABEL_AREA 参数。仅在返回值为PP100API_SUCCESS 时，才会将所获取的值存储到pDiscDiamOut 和 pDiscDiamIn中。

语法

```
long PP100_GetLabelArea (char pJobID[41], unsigned long *  
pDiscDiamOut, unsigned long * pDiscDiamIn)
```

参数


参数		说明
IN	pJobID[41]	任务ID
OUT	pDiscDiamOut	外径
OUT	pDiscDiamIn	内径

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pDiscDiamOut为NULL c. pDiscDiamIn为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

PP100_SetPrintMode

设置任务的PRINT_MODE参数。设置并非必须。

 参考	封面类型为 “ 光泽 CD/DVD 封面 ” 时，禁用此设置。
--	---------------------------------

语法

```
long PP100_SetPrintMode (char pJobID[41], unsigned long
ulPrintMode)
```

参数

参数		说明
IN	pJobID[41]	任务ID
IN	ulPrintMode	指定打印模式。 【重视打印质量时】 PP100API_PRINTMODE1 【重视打印速度时】 PP100API_PRINTMODE2 【未指定时】 即为环境设置中的打印模式。

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 pJobID[41]为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_FAILURE	失败

PP100_GetPrintMode

获取任务的PRINT_MODE参数。仅在返回值为PP100API_SUCCESS时，才会将所获取的值存储到pPrintMode中。

语法

```
long PP100_GetPrintMode (char pJobID[41], unsigned long *
pPrintMode)
```

参数

参数		说明
IN	pJobID[41]	任务ID
OUT	pPrintMode	打印模式

返回值

错误状态	说明
PP100API_SUCCESS	成功
PP100API_NOT_INITIALIZED	已在执行PP100_Initialize前执行
PP100API_INVALID_PARAMETER	与以下OR条件一致 a. pJobID[41]为NULL b. pPrintMode为NULL
PP100API_JOB_NOT_CREATED	未生成使用pJobID[41]指定的任务
PP100API_JOB_SETTING_NOT_SET	未设置参数值
PP100API_FAILURE	失败

结构体

包括PP100API.h时，能够使用以下结构体。

结构体	说明
PP100_ENUM_PUBLISHER_INFO	Discproducer的信息
PP100_INK_STATUS	Discproducer的油墨剩余量
PP100_PUBLISHER_STATUS	Discproducer的状态
PP100_JOB_STATUS	Discproducer的任务状态
PP100_JOB_STATUS_EX	Discproducer的任务状态
PP100_WRITE_DATA	Discproducer的写入数据
PP100_REPLACE_FIELD_TEXT	封面的插入打印的字符串数据（文本）

PP100_ENUM_PUBLISHER_INFO

Discproducer的信息的结构体。

变量	说明
char pPublisherName [65]	通过Total Disc Setup注册的名称
unsigned long ulDriveNumber	驱动器数
unsigned long ulConnectType	连接形态（ 第118页 ）
unsigned char ucReserved [512]	预约区域

PP100_INK_STATUS

Discproducer的各油墨剩余量（0~100）的结构体。不确定时，会存储错误代码PP100API_ERROR。

变量	说明
unsigned long ulCyan	青色油墨的剩余量
unsigned long ulMagenta	洋红色油墨的剩余量
unsigned long ulYellow	黄色油墨的剩余量
unsigned long ulLightCyan	淡青色油墨的剩余量
unsigned long ulLightMagenta	淡洋红色油墨的剩余量
unsigned long ulBlack	黑色油墨的剩余量

PP100_PUBLISHER_STATUS

Discproducer的状态的结构体。

变量		说明
unsigned long	ulINFORMATIONCode [50]	INFORMATION代码（第127页）
unsigned long	ulMode	出版模式（第118页）
unsigned long	ulDriveStatus [2]	驱动器状态（第118页）
char	pDrivePluginName [2][41]	用来实现与Windows的兼容性的区域
unsigned long	ulDriveLife [2]	驱动器的使用年限（0~100）。 不确定时，会存储错误代码PP100API_UNKNOWN。
unsigned long	ulPrinterStatus	打印机状态（第118页）
PP100_INK_STATUS	stInkStatus	油墨剩余量（第114页）
unsigned long	ulStackerSetting [4]	盘仓的设置
unsigned long	ulStackerRest [4]	盘仓内的光盘剩余量（0~100）。 不确定时，会存储错误代码PP100API_ERROR。
unsigned long	ulPrintableCopies	用来实现与Windows的兼容性的区域
unsigned long	ulPrintedCopies	打印光盘的份数
unsigned long	ulMaintenanceBoxFreeSpace	维护箱的可用空间（0~100）（PP-100III）。 不确定时，会存储错误代码PP100API_ERROR。
char	pSerialNumber [33]	Discproducer的序列号
unsigned long	ulDriveProgress [2]	驱动器的处理进度（0~100）。 不确定时，会存储错误代码PP100API_UNKNOWN。
unsigned long	ulCompleteDiscNum	出版的光盘总数（PP-100III）。 不确定时，会存储错误代码PP100API_ERROR。
unsigned long	ulUsbConnectionMode	USB连接模式（第118页）
unsigned char	ucReserved [496]	预约区域

PP100_JOB_STATUS

Discproducer的任务状态的结构体。

变量		说明
char	pJobID [41]	任务ID
char	pPublisherName [65]	通过Total Disc Setup注册的名称
unsigned long	ulJobStatus	任务状态（ 第119页 ）
unsigned long	ulErrorCode	错误/等待恢复的原因（ 第121页 ）
unsigned long	ulPublicationNumber	出版指示份数
unsigned long	ulCompletionNumber	完成份数
unsigned long	ulJobType	任务的类型（ 第119页 ）
unsigned long	ulSource	输入盘仓（ 第86页 ）
unsigned long	ulDestination	输出盘仓（ 第84页 ）
unsigned long	ulJobIndex	用来实现与Windows的兼容性的区域
unsigned long	ulEstimateTime	需要的时间（秒）
unsigned long	ulErrorNumber	以错误结束的份数
unsigned long	ulMode	出版模式（ 第118页 ）
unsigned char	ucIsSubmittedByTotalDiscMaker	0（固定）
unsigned long	ulRemainingEstimateTime	剩余需要的时间（秒）
unsigned char	ucReserved [508]	预约区域

PP100_JOB_STATUS_EX

Discproducer的任务状态的结构体。

变量	说明
char pJobID [41]	任务ID
char pJobName[256]	任务名称
char pPublicationPerson[65]	任务创建者
char pPublisherName [65]	通过Total Disc Setup注册的名称
unsigned long ulJobStatus	任务状态 （第119页）
unsigned long ulErrorCode	错误/等待恢复的原因 （第121页）
unsigned long ulPublicationNumber	出版指示份数
unsigned long ulCompletionNumber	完成份数
unsigned long ulJobType	任务的类型 （第119页）
unsigned long ulSource	输入盘仓 （第86页）
unsigned long ulDestination	输出盘仓 （第84页）
unsigned long ulJobIndex	用来实现与Windows的兼容性的区域
unsigned long ulEstimateTime	需要的时间 （秒）
unsigned long ulErrorNumber	以错误结束的份数
unsigned long ulMode	出版模式 （第118页）
unsigned char ucIsSubmittedByTotalDiscMaker	0 （固定）
unsigned long ulRemainingEstimateTime	剩余需要的时间 （秒）
unsigned char ucReserved [508]	预约区域

PP100_WRITE_DATA

Discproducer的写入数据的结构体。

变量	说明
char pSourceData [256]	写入源数据
char pDestinationData [256]	写入目标数据

PP100_REPLACE_FIELD_TEXT

存储封面的插入打印的字符串数据 （文本）的结构体。

变量	说明
char pName [1025]	作为插入对象的项目名称
char pValue [1025]	插入的字符串

常数的定义

设备信息

常数（值）	说明
PP100API_CONNECTTYPE_USB	USB model
PP100API_CONNECTTYPE_ETH	Network model

出版模式

常数（值）	说明
PP100API_NORMAL_MODE	标准模式
PP100API_OUTPUT_MODE	外部输出模式
PP100API_BATCH_MODE	批处理模式

驱动器状态 / 打印机状态

常数（值）	说明	驱动器	打印机
PP100API_WAITING	待机状态	✓	✓
PP100API_TRANSFERRING	正在输送	✓	✓
PP100API_PAUSED	停止状态	✓	✓
PP100API_PRINTING	正在打印		✓
PP100API_DRYING	正在干燥		✓
PP100API_CLEANING	正在清洗		✓
PP100API_WRITING	正在写入	✓	
PP100API_VERIFYING_WRITE	正在确认写入	✓	
PP100API_UNUSED	不使用	✓	

USB 连接模式

常数（值）	说明
PP100API_USB_20	USB2.0
PP100API_USB_30	USB3.0

JOB 类型

常数（值）	说明
PP100API_JOB_TYPE_WRITE	写入任务
PP100API_JOB_TYPE_PRINT	打印任务
PP100API_JOB_TYPE_PUBLISH	写入和打印任务
PP100API_JOB_TYPE_CLEANNING	清洗任务
PP100API_JOB_TYPE_NOZZLECHECK	喷嘴检查任务
PP100API_JOB_TYPE_GAPADJUSTMENT	GAP调整任务
PP100API_JOB_TYPE_POSITIONOFFSET	偏移调整任务

JOB 状态

常数	说明
PP100API_JOB_PROCESSING_TO_ACCEPT	正在受理任务
PP100API_JOB_WAITING	等待执行任务
PP100API_JOB_RUNNING	正在执行任务
PP100API_JOB_PAUSING	任务正在被暂停
PP100API_JOB_RECOVERING	任务正在等待恢复
PP100API_JOB_CANCELING	任务正在被取消
PP100API_JOB_PAUSED	任务暂停
PP100API_JOB_STANDBY	等待恢复任务。处理之后，任务将自动重新开启。
PP100API_JOB_PUBLISHED	任务执行完成
PP100API_JOB_PUBLISHED_WARNING_NO_ERROR_DISC	任务执行完成（有警告、无错误光盘）
PP100API_JOB_PUBLISHED_WARNING_ERROR_DISC	任务执行完成（有警告、有错误光盘）
PP100API_JOB_USER_CANCELLED	任务被用户进行了取消处理
PP100API_JOB_ERROR_CANCELLED	任务因错误进行了取消处理
PP100API_JOB_DENIED	任务被拒绝受理

JOB 定义用常数

常数（值）	说明
PP100API_STACKER1	盘仓1
PP100API_STACKER2	盘仓2
PP100API_STACKER3	盘仓3
PP100API_STACKER4	盘仓4
PP100API_STACKER1_OR_STACKER2	盘仓1、盘仓2
PP100API_STACKER2_OR_STACKER3	盘仓2、盘仓3
PP100API_STACKER2_OR_STACKER4	盘仓2、盘仓4
PP100API_NOSETTING	无设置
PP100API_CD	CD
PP100API_DVD	DVD
PP100API_DVD_DL	DVDDL
PP100API_BD	BD
PP100API_BD_DL	BDDL
PP100API_BD_XL100	BD-R XL 100
PP100API_BD_XL128	BD-R XL 128
PP100API_COMPARE	比较
PP100API_DONT_COMPARE	不比较
PP100API_ISO9660L2	ISO9660 2级
PP100API_JOLIET	Joliet
PP100API_UDF102	UDF1.02
PP100API_UDF102_BRIDGE	UDF1.02 + UDFBridge
PP100API_UDF150	UDF1.50
PP100API_UDF260	UDF2.60
PP100API_CD_DVD_LABEL	CD/DVD封面
PP100API_CD_DVD_PREMIUM_LABEL	高画质CD/DVD封面
PP100API_EPSON_SPECIFIED_CD_DVD_LABEL	光泽 CD/DVDLabel
PP100API_PRINTMODE1	打印模式1
PP100API_PRINTMODE2	打印模式2
PP100API_PRINTMODE3	打印模式3
PP100API_NOT_TIMEOUT	无超时

错误代码

受理任务前

任务的状态	相关功能	错误代码	内容和处理方法
系统错误		PP100API_SYS001	接收任务失败。 <ul style="list-style-type: none"> 无法获取已注册的PUBLISHER的机型类别。 未启动综合控制服务（EPSON Total Disc Control Service），或无法获取服务的状态。 无法找到工作文件夹，或用户无访问权限。 工作文件夹的可用空间不足。 意外错误
		PP100API_SYS002	输出设备的通信错误导致执行任务失败。
		PP100API_SYS003	输出设备的HDD的可用空间不足，导致执行任务失败。
拒绝受理	PUBLISHER键	PP100API_JDF0200	使用PUBLISHER参数指定的输出设备未注册为有效的设备名称。
		PP100API_JDF0201	使用PUBLISHER参数指定的输出设备采用了不支持的模式或无法获取模式。
		PP100API_JDF0202	有效的输出设备有2台以上，且未使用PUBLISHER参数指定输出设备。此外，环境设置中未设置通常使用的输出设备，因此无法确定输出设备。
		PP100API_JDF0203	未注册任何有效的输出设备。
	DISC_TYPE键	PP100API_JDF0500	使用DISC_TYPE参数指定的光盘类型与所设置的输入盘仓的光盘类型不一致。
		PP100API_JDF0501	未指定DISC_TYPE参数。
		PP100API_JDF0502	设置了可使用的常数以外的值。（第88页）
	DATA键 DATA_LIST键	PP100API_JDF0901	不能在同一文件夹内用相同的文件名写入不同的写入源文件。
		PP100API_JDF0902	所指定的写入目标的路径（包含文件名）不符合所指定的记录格式。
		PP100API_JDF0903	相对于所指定的光盘类型，想要写入的数据的合计大小过大。
		PP100API_JDF0904	写入目标的文件夹级数超过了128级。
		PP100API_JDF0907	写入源的文件中含有不存在的内容。
		PP100API_JDF0908	写入源的文件中含有不具备访问权的内容。
		PP100API_JDF0914	指定的文件超过4095MB，因此无法按照所指定的记录格式进行写入。
	VOLUME_LABEL键	PP100API_JDF1000	所指定的磁盘标签不符合所指定的记录格式。
	FORMAT键	PP100API_JDF1400	虽然光盘类型为CD，且指定了数据文件，但FORMAT参数中指定了“IS09660L2”“JOLIET”“UDF102”以外的值。
		PP100API_JDF1401	虽然光盘类型为DVD或DVD-DL，且指定了数据文件，但FORMAT参数中设置了可使用的常数以外的值。（第94页）
		PP100API_JDF1402	虽然光盘类型为“BD”，“BD-DL”，“BD-XL100”或“BD-XL128”，且指定了数据文件，但FORMAT参数中设置了可使用的常数以外的值。（第94页）
	LABEL键	PP100API_JDF1500	不支持使用LABEL参数指定的封面文件的格式。
		PP100API_JDF1501	不存在使用LABEL参数指定的封面文件。
	PRINT_MODE键	PP100API_JDF2602	虽然已将PP100API_PRINTMODE2或PP100API_PRINTMODE3指定为PRINT_MODE参数，但已将PP100API_EPSON_SPECIFIED_CD_DVD_LABEL指定为LABEL_TYPE参数。
		PP100API_JDF2603	无法将PP100API_PRINTMODE3指定为PRINT_MODE参数。

任务的状态	相关功能	错误代码	内容和处理方法
拒绝受理	多区段刻录写入	PP100API_JDF3005	在多区段刻录写入过程中，区段数已超过上限。
		PP100API_JDF3006	多区段刻录写入的输出机型的类型不是PP-100III或PP-50II。
		PP100API_JDF3009	多区段刻录写入的FORMAT参数被指定为“UDF102”以外的值。
		PP100API_JDF3010	写入数据大小已超过可用空间。
		PP100API_JDF3011	多区段刻录写入的光盘类型被指定为DVD-DL。
	其他	PP100API_JDF0000	虽然已将CD指定为光盘类型，但数据文件、封面文件都未被指定。
		PP100API_JDF0001	虽然已将DVD或DVD-DL指定为光盘类型，但数据文件、封面文件都未被指定。
		PP100API_JDF0003	[PP-100III/ PP-100NII] 虽然已将“BD”，“BD-DL”，“BD-XL100”或“BD-XL128”指定为光盘类型，但数据文件、封面文件、Plug-In信息都未被指定。
		PP100API_JDF0004	[PP-100III/ PP-100NII] 动作模式为读取模式时，通过TD Bridge执行了Job。

受理任务后

任务的状态	相关功能	错误代码	内容和处理方法
已受理的任务	取消	PP100API_CAN000	从驱动器托盘或打印机托盘中拾取光盘失败。 处理方法： 请重新接通Discproducer主机的电源。
		PP100API_CAN001	拾取中的光盘掉落。 处理方法： ①请在断开Discproducer主机的电源后，取出掉落的光盘。 ②请接通Discproducer主机的电源。
		PP100API_CAN002	释放光盘失败。 处理方法： 请重新接通Discproducer主机的电源。
		PP100API_CAN003	已释放到驱动器托盘或打印机托盘上的光盘不存在。 处理方法： ①断开Discproducer主机的电源后，如果内部有异物，则请将其去除。 ②请接通Discproducer主机的电源。
		PP100API_CAN004	由于批处理模式下开始任务时盘仓3并非空仓，所以在执行任务时输出盘仓满仓。 处理方法： ①请取出盘仓3中的光盘，使其变为空仓。 ②请将新光盘安放到盘仓1和盘仓2中，然后重新执行任务。
		PP100API_CAN005	机器臂在移动中发生了错误。 处理方法： ①断开Discproducer主机的电源后，如果内部有异物，则请将其去除。 ②请接通Discproducer主机的电源。
		PP100API_CAN006	自动装载设备发生了致命错误。因电机发热，无法移动机械臂。 处理方法： ①断开Discproducer主机的电源后，如果内部有异物，则请将其去除。 ②请重新接通Discproducer主体的电源。
		PP100API_CAN007	对驱动器托盘的控制失败。 处理方法： ①请在断开Discproducer主机的电源后确认驱动器托盘，如果有异物则将其去除。 ②请接通Discproducer主机的电源。
		PP100API_CAN008	驱动器处于致命错误状态，因此无法进行处理。 处理方法： 请重新接通Discproducer主机的电源。
		PP100API_CAN009	对打印机托盘的控制失败。 处理方法： ①请在断开Discproducer主机的电源后确认打印机托盘，如果有异物则将其去除。 ②请接通Discproducer主机的电源。
		PP100API_CAN010	打印机发生了致命错误。 处理方法： 请重新接通Discproducer主机的电源。
		PP100API_CAN011	与打印机的通信失败。 处理方法： 请确认打印机驱动器的端口设置是否正确。
		PP100API_CAN012	所指定的打印机名称无效。 处理方法： 请通过EPSON Total Disc Setup确认要使用的CD/DVD出版人已经注册。

任务的状态	相关功能	错误代码	内容和处理方法
已受理的任务	取消	PP100API_CAN013	打印机发生了维护错误。 处理方法： 请咨询销售商或客服中心。
		PP100API_CAN014	油墨吸收材料已到达更换时期。 处理方法： 请咨询销售商或客服中心。
		PP100API_CAN015	发生了状态不当错误。检测到以下任一项。 ①驱动器托盘上的光盘用尽 ②打印机托盘上的光盘用尽 ③驱动器托盘上放有光盘 ④打印机托盘上放有光盘 ⑤机械臂取走了光盘 处理方法： ①请确认壳体内部有无异常。 ②请重新接通Discproducer主体的电源。
		PP100API_CAN016	发生了JOB文件不当错误。检测到以下任一项。 ①光盘图像文件（ISO）不存在或无法读取。 ②封面数据文件（PRN）不存在或无法读取。 ③创建光盘图像文件（ISO）超时。 ④任务信息不正确。 ⑤接收下一个区段信息超时。 处理方法： • 缩短各区段的PP100_SubmitSession/PP100_SubmitJob调用间隔。 • 增大PP100_SetSessionTimeout中指定的超时值。 如果未设置，默认值将被指定为1800（30分钟）。
		PP100API_CAN017	发生了不支持版本的错误。检测到以下任一项。 ①自动装载设备的固件版本低于支持的版本 ②驱动器1的固件版本不是支持的版本 ③驱动器2的固件版本不是支持的版本 ④打印机的固件版本低于支持的版本 处理方法： 请升级设备的固件版本。
		PP100API_CAN018	执行任务时通过Total Disc Setup指定的出版模式与保存在设备中的出版模式不一致。 处理方法： 请通过Total Disc Setup设置出版模式。
		PP100API_CAN019	检测到以下任一项。 制作光盘图像时，由于源路径不正确导致光盘图像文件的制作被中断。 处理方法： 请确认被指定为源路径的文件、文件夹。 执行多区段刻录写入功能时，从前一个数据写入到接收下一个数据的时间达到了所设置的超时时间，因此任务被中断。 处理方法： 请从首个区段开始重新进行任务注册。
		PP100API_CAN020	与输出设备的通信中发生了错误。 处理方法： 请确认电源和USB电缆的连接状态。
	暂停	PP100API_STP000	由于光盘类型不同等，重试次数达到了通过Total Disc Setup设置的写入重试的次数。 处理方法： ①请确认输入盘仓内的光盘。 ②请通过Total Disc Monitor重新开启或取消暂停中的任务。
		PP100API_STP001	由于连续写入错误，重试次数达到了通过Total Disc Setup设置的写入重试的次数。 处理方法： ①请确认输入盘仓内的光盘。 ②请通过Total Disc Monitor重新开启或取消暂停中的任务。 再次发生错误时，请咨询销售商或客服中心。

任务的状态	相关功能	错误代码	内容和处理方法
已受理的任务	自动恢复	PP100API_RTN000	任务所指定的输入盘仓中没有光盘。 处理方法： 请对输入盘仓补充光盘。
		PP100API_RTN001	任务所指定的输出盘仓已经满仓。 处理方法： 请从输出盘仓中取出光盘。
		PP100API_RTN002	光盘盖打开。 处理方法： 请关闭光盘盖。
		PP100API_RTN003	墨盒盖打开。 处理方法： 请关闭墨盒盖。
		PP100API_RTN004	由于到达了油墨更换时期，所以无法打印封面。 处理方法： 请更换已到达更换时期的墨盒。
		PP100API_RTN005	没有墨盒。 处理方法： 请安装墨盒。
		PP100API_RTN006	由于未安装盘仓，所以无法出版光盘。 处理方法： 请安装盘仓。
		PP100API_RTN007	盘仓3的安装状态与出版模式不符，因此无法出版光盘。 处理方法： 标准或外部输出模式时，请拆下盘仓3。 批处理模式时，请安装盘仓3。
		PP100API_RTN008	由于盘仓4打开，所以无法出版光盘。 处理方法： 请关闭盘仓4。
		PP100API_RTN009	检测出多份光盘被输送至驱动器。 处理方法： ①请打开光盘盖。 ②请从打开的驱动器托盘中取出光盘，然后关闭光盘盖。
		PP100API_RTN010	检测出多份光盘被输送至打印机。 处理方法： ①请打开光盘盖。 ②请从打开的打印机托盘中取出光盘，然后关闭光盘盖。
		PP100API_RTN011	无法正确识别墨盒。 处理方法： 请正确安装墨盒。
		PP100API_RTN012	从输入盘仓中拾取光盘失败。 处理方法： 请使输入盘仓内的光盘松散。
		PP100API_RTN013	放入盘仓中的光盘超过了容许份数，因此无法进行出版处理。 处理方法： 请减少盘仓内的光盘。
		PP100API_RTN014	维护箱盖未正确安装。 处理方法： 请确认盖的状态。
		PP100API_RTN015	维护箱已到达更换时期。 处理方法： 请更换为新的维护箱。
		PP100API_RTN016	维护箱松脱。 处理方法： 请安装维护箱。

任务的状态	相关功能	错误代码	内容和处理方法
已受理的任务	自动恢复	PP100API_RTN017	无法正确识别维护箱。 处理方法： 请正确安装维护箱。
	其他	PP100API_OTH000	无法获取任务的状态。能够继续出版光盘。 此外，有时会在刚执行任务后临时进行输出。 处理方法： 如果已输出INFORMATION代码，请参阅第127页“INFORMATION代码”，采取与代码相应的处理方法。 未输出INFORMATION代码时，并非错误。

INFORMATION 代码

INFORMATION代码表示已注册的Discproducer的状态。如有多个原因，将会全部显示。

项目	INFORMATION 代码	内容和处理方法
打印机	PP100API_HPR000	打印机发生了致命错误。 处理方法： 请重新接通输出设备的电源。
	PP100API_HPR001	打印机发生了维护错误。 处理方法： 请咨询销售商或客服中心。
	PP100API_HPR002	油墨吸收材料已到达更换时期。 处理方法： 请咨询销售商或客服中心。
	PP100API_HPR003	与打印机的通信失败。 处理方法： 请确认打印机驱动器的端口设置。
	PP100API_HPR005	墨盒盖打开。 处理方法： 请关闭墨盒盖。
	PP100API_HPR006	打印机发生了维护错误。 处理方法： 请咨询销售商或客服中心。
	PP100API_HPR007	维护箱松脱。 处理方法： 请安装维护箱。
	PP100API_HPR008	维护箱已到达更换时期。 处理方法： 请更换为新的维护箱。
	PP100API_HPR009	无法正确识别维护箱。 处理方法： 请正确安装维护箱。
	PP100API_HPR010	维护箱盖未正确安装。 处理方法： 请确认盖的状态。
驱动器	PP100API_HDR000	对驱动器托盘的控制失败。 处理方法： ①请在断开Discproducer主机的电源后确认驱动器托盘，如果有异物则将其去除。 ②请接通Discproducer主机的电源。
	PP100API_HDR001	驱动器处于致命错误状态，因此无法进行处理。 处理方法： 请重新接通Discproducer主机的电源。
	PP100API_HDR002	由于无法识别驱动器，所以Discproducer主机无法初始化。 处理方法： ①确认Discproducer主机的驱动器的连接状态。 ②请重新接通Discproducer主体的电源。

项目	INFORMATION 代码	内容和处理方法
自动装载设备	PP100API_HAR000	从驱动器托盘或打印机托盘中拾取光盘失败。 处理方法： 请重新接通Discproducer主机的电源。
	PP100API_HAR001	拾取中的光盘掉落。 处理方法： ①请在断开Discproducer主机的电源后，取出掉落的光盘。 ②请接通Discproducer主机的电源。
	PP100API_HAR002	释放光盘失败。 处理方法： 请重新接通Discproducer主机的电源。
	PP100API_HAR003	已释放到驱动器托盘或打印机托盘上的光盘不存在。 处理方法： ①断开Discproducer主机的电源后，如果内部有异物，则请将其去除。 ②请接通Discproducer主机的电源。
	PP100API_HAR004	机器臂在移动中发生了错误。 处理方法： ①断开Discproducer主机的电源后，如果内部有异物，则请将其去除。 ②请接通Discproducer主机的电源。
	PP100API_HAR005	自动装载设备发生了致命错误。因电机发热，无法移动机械臂。 处理方法： ①断开Discproducer主机的电源后，如果内部有异物，则请将其去除。 ②请接通Discproducer主机的电源。
	PP100API_HAR007	从盘仓中拾取光盘失败。 处理方法： ①请打开光盘盖。 ②请使输入盘仓内的光盘松散，然后关闭光盘盖。
	PP100API_HAR008	检测出多份光盘被输送至驱动器。 处理方法： ①请打开光盘盖。 ②请从打开的驱动器托盘中取出光盘，然后关闭光盘盖。
	PP100API_HAR009	检测出多份光盘被输送至打印机。 处理方法： ①请打开光盘盖。 ②请从打开的打印机托盘中取出光盘，然后关闭光盘盖。
青色墨	PP100API_HIKC000	青色墨盒松脱。 处理方法： 请安装青色墨盒。
	PP100API_HIKC001	青色墨盒的型号不一致或无法识别型号。 处理方法： 请安装正确的青色墨盒。
洋红色墨	PP100API_HIKM000	洋红色墨盒松脱。 处理方法： 请安装洋红色墨盒。
	PP100API_HIKM001	洋红色墨盒的型号不一致或无法识别型号。 处理方法： 请安装正确的洋红色墨盒。
黄色墨	PP100API_HIKY000	黄色墨盒松脱。 处理方法： 请安装黄色墨盒。
	PP100API_HIKY001	黄色墨盒的型号不一致或无法识别型号。 处理方法： 请安装正确的黄色墨盒。

项目	INFORMATION 代码	内容和处理方法
淡青色墨	PP100API_HIKLC000	淡青色墨盒松脱。 处理方法： 请安装淡青色墨盒。
	PP100API_HIKLC001	淡青色墨盒的型号不一致或无法识别型号。 处理方法： 请安装正确的淡青色墨盒。
淡洋红色墨	PP100API_HIKLM000	淡洋红色墨盒松脱。 处理方法： 请安装淡洋红色墨盒。
	PP100API_HIKLM001	淡洋红色墨盒的型号不一致或无法识别型号。 处理方法： 请安装正确的淡洋红色墨盒。
黑色墨	PP100API_HIKBK000	黑色墨盒松脱。 处理方法： 请安装黑色墨盒。
	PP100API_HIKBK001	黑色墨盒的型号不一致或无法识别型号。 处理方法： 请安装正确的黑色墨盒。
盘仓1	PP100API_HST1000	放入盘仓1中的光盘超过了容许份数，因此无法进行出版处理。 处理方法： 请减少盘仓1内的光盘。
	PP100API_HST1001	未安装盘仓1。 处理方法： 请安装盘仓1。
盘仓2	PP100API_HST2000	放入盘仓2中的光盘超过了容许份数，因此无法进行出版处理。 处理方法： 请减少盘仓2内的光盘。
	PP100API_HST2001	未安装盘仓2。 处理方法： 请安装盘仓2。
盘仓3	PP100API_HST3000	放入盘仓3中的光盘超过了容许份数，因此无法进行出版处理。 处理方法： 请减少盘仓3内的光盘。
	PP100API_HST3001	在标准模式、外部输出模式下，盘仓3被设置为输出盘仓，但并未安装盘仓3。或者在批处理模式下未安装盘仓3。 处理方法： 请安装盘仓3。
	PP100API_HST3002	在标准模式或外部输出模式下，盘仓4被设置为输出盘仓，但却安装着盘仓3。 处理方法： [PP-100III/ PP-100NII] 请拆下盘仓3。
光盘盖	PP100API_HDC000	光盘盖打开。 处理方法： 请关闭光盘盖。
通信	PP100API_HNW000	无法与Discproducer进行通信。 处理方法： ①请确认Discproducer的电源状态。 ②请确认USB电缆的连接状态。 ③请连接输出设备，重新接通电源。
	PP100API_HNW001	发生了不支持版本的错误。检测到以下任一项。 ①自动装载设备的固件版本低于支持的版本 ②驱动器1的固件版本不是支持的版本 ③驱动器2的固件版本不是支持的版本 ④打印机的固件版本低于支持的版本 处理方法： ①请升级设备的固件版本。

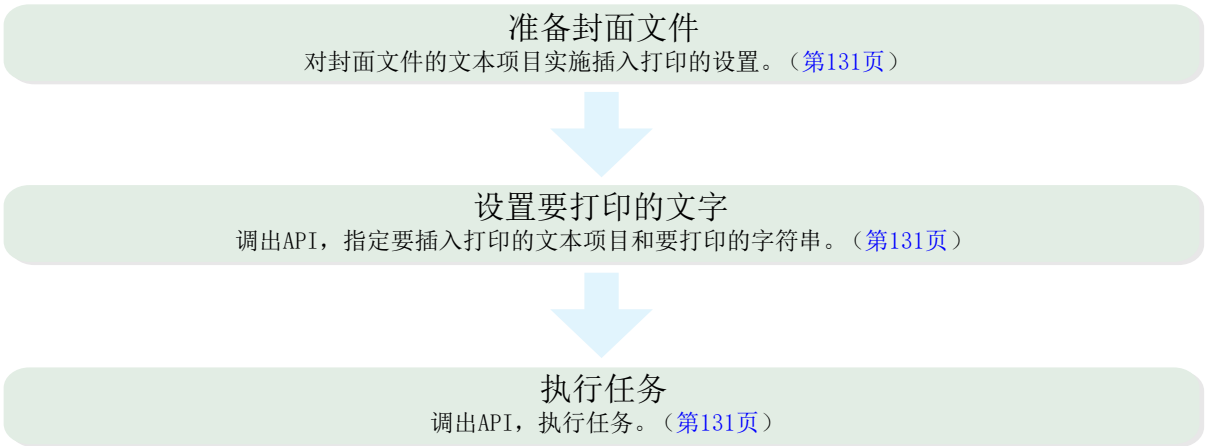
插入打印的方法

插入打印是指使用API替换封面文件的文本项目中的文字后进行打印。



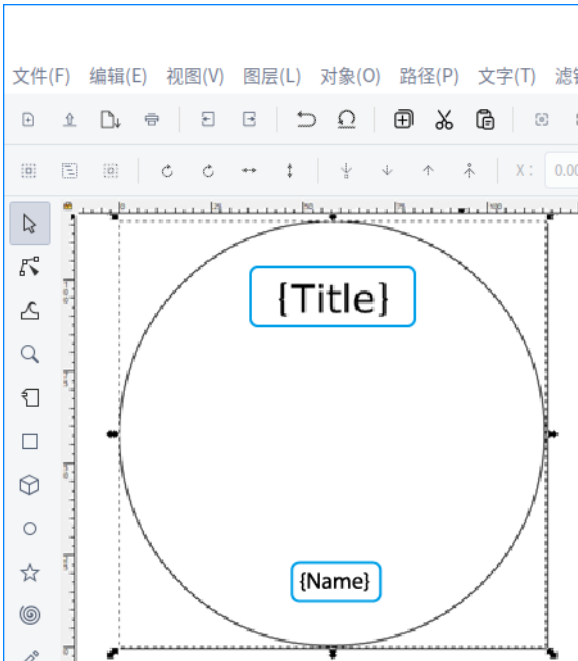
设置步骤


要实施文本的插入打印时，请按照以下步骤进行操作。



准备封面文件

对封面文件的文本项目实施插入打印的设置。使用Inkscape编辑封面文件。（文件格式：SVG）
用“{}”包围文本的前后。被“{}”包围的文本项目将成为用于插入打印的文本项目。（例：Title → {Title}、Name → {Name}）



 参考

- 对文本的字体、尺寸、颜色等进行编辑。将反映到插入的文本中。
- 文本尺寸不会自动调整。请注意避免插入打印时出现文字不全。

设置要打印的文字

调出API，进行插入打印的设置。指定作为插入打印对象的文本项目以及要打印的字符串。
在结构体 `PP100_REPLACE_FIELD_TEXT` 中指定文本项目和要打印的字符串。（[第 117 页](#)）

属性	说明
pName [1025]	封面文件中设置的作为插入打印对象的文本项目名称 (例: Title、Name)
pValue [1025]	要打印的字符串 (例: 示例、Abcdefg)

- 调出 `PP100_SetReplaceFieldText`。（[第 106 页](#)）

执行任务

调出`PP100_SubmitJob`，按照指定的插入打印设置执行任务。（[第72页](#)）

多区段刻录写入功能

功能的概要

下面将基于影像管理系统上的使用例进行说明。正在拍摄的影像数据被随时收集至影像管理系统。影像管理系统则按照一定的间隔将影像数据发送至出版终端。出版终端上的协同应用程序将收到的数据写入。

以往，需等待所有写入光盘的数据集齐后才可开始写入，但Ver. 8.0新增的多区段刻录写入功能可写入和比较收到的每段数据。因此，光盘的完成时间比以往更快，并降低了数据被篡改的风险。

- 可使用的机型:PP-100III, PP-50II
- 可使用的介质:CD-R、DVD-R、BD-R、BD-R DL、BD-R XL 100、BD-R XL 128
(不能使用DVD+R、DVD-R DL、DVD+R DL。)
- 可使用的格式:UDF1.02
- 区段数的上限:99

时序图示例

光盘一次刻录

	经过时间												
		15		30		45		60		75		90	
监控摄像头													
视频文件	MP4-1		MP4-2		MP4-3		MP4-4						
Disc 1								封面数据	MP4-1	MP4-2	MP4-3	MP4-4	打印
Disc 2								封面数据	MP4-1	MP4-2	MP4-3	MP4-4	打印

集中写入/执行比较

多区段刻录

	经过时间												
		15		30		45		60		75		90	
监控摄像头													
视频文件	MP4-1		MP4-2		MP4-3		MP4-4						
Disc 1		封面数据	MP4-1		MP4-2		MP4-3		MP4-4	打印			
Disc 2		封面数据	MP4-1		MP4-2		MP4-3		MP4-4	打印			

分别写入每段数据/执行比较

关于超时处理

通过执行PP100_SubmitSession执行多区段刻录写入任务时

光盘格式化	动作	记录面	封面
上一次调用PP100_SubmitSession后注册数据并调用PP100_SubmitJob时	输出。	光盘禁止添加	打印。
上一次调用PP100_SubmitSession后未注册数据并调用PP100_SubmitJob时	输出。	不包含数据的区段将被添加至光盘的末尾，光盘则变为禁止添加的状态。	打印。
PP100_SubmitJob未被执行且超时时间已过时	超时时间过后，将取消该任务，不打印封面，而输出至错误盘仓。	光盘可添加。	不打印。
PP100_SubmitJob未被执行且超时被禁用（PP100API_NOT_TIMEOUT）时	永久待机。如要从驱动器输出，需手动取消。	如果最后的区段刻录写入已完成，光盘即可添加。	不打印。

故障排除

本章将对发生故障时的处理方法进行说明。

日志

日志文件的获取方法请参阅[第38页“日志获取功能”](#)。

下列个人信息不输出到日志里。

- 通过 Total Disc Setup 设定的设备名称
- 电脑名称
- 登录用户名称
- 记录面的数据的文件名、文件夹名、类型及内容
- 标签面的图像、文件名、文件夹名、插入文本
- 用户可任意设定的字符串等

安装依赖库

未安装所需的依赖库时，需手动添加安装。

所需依赖库的详情请参阅[第10页“依赖库”](#)。

例

```
# yum install inkscape
```

附录

与 Windows 的比较

项目		Linux	Windows
字符串		char型、UTF-8	wchar_t型、UTF-16
calling convention		gcc的默认	_stdcall
封面图像		SVG, PNG, JPEG	TDD, PNG, JPEG
封面编辑		Inkscape	Total Disc Maker
插入打印		需要SVG。 字体大小固定。 不支持条形码。 仅限文本。	需要TDD。 字体大小自动缩放。 支持条形码。 支持文本和二进制。
数据类型		File, Folder, ISO	File, Folder, ISO, Indirect File
光盘类型	Data	CD/DVD/BD	CD/DVD/BD
	Music	无	CD, DVD-Video
数据格式		ISO9660, UDF1.02, UDF2.60	ISO9660, UDF1.02, UDF2.60, UDF Bridge, UDF1.50
音乐		无	有
视频		无	有
测量		无	有
归档光盘		无	有
插件任务		无	有
Interface	Publish	PP-100 API+Sample Soft	Total Disc Maker, TD Bridge
	Monitor	PP-100 API+Sample Soft	Total Disc Monitor, Status.txt
	Setting	Total Disc Setup for Linux	Total Disc Setup
支持的Discproducer模型	PP-100III	有	有
	PP-50II	有	有
	PP-100N	无	有
	PP-100NII	有*	有

* 支持TD Bridge for Linux Ver. 2.5.0或更高版本。

确认依赖库

依赖库	License
libpng1.6.x	Libpng
libusb1.0.x	LGPL2.1
Inkscape	GPL
imagemagick/	Imagemagick (Apache?)
GraphicsMagick	MIT
Qt5	LGPL v2.1+ Nokia Qt LGPL Exception version 1

关于开源软件的著作权

除了使用本公司拥有著作权的软件以外，Discproducer还使用了开源软件。

Discproducer中使用的开源软件的相关信息如下所示。

This software is built with following OSS.

1. libpng 1.6.0 -- libpng License
2. libusb 1.0.20 / 1.0.21 -- LGPL version, LGPL-2.1
3. Qt 5.5.1 -- LGPL version, LGPL-2.1-or-3 with Qt-1.1 exception
4. RFC 3174 (SHA1) -- RFC 3174 - US Secure Hash Algorithm 1 (SHA1)
5. libmd 1.0.4(include/md5.h+src/md5.c) -- Public Domain
6. libmd 1.0.4(include/sha1.h+src/sha1.c)-- Public Domain
7. libmd 1.0.4(include/sha2.h+src/sha2.c)-- BSD 3-Clause "New" or "Revised" License

This software may work with following OSS.

8. inkscape -- Inkscape license
9. ImageMagick -- ImageMagick license
10. GraphicsMagick -- GraphicsMagick Copyrights and Licenses

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Cosmin Truta

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Simon-Pierre Cadieux

Eric S. Raymond

Gilles Vollant

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```
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February 14, 2013

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RFC 3174 – US Secure Hash Algorithm 1 (SHA1)

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