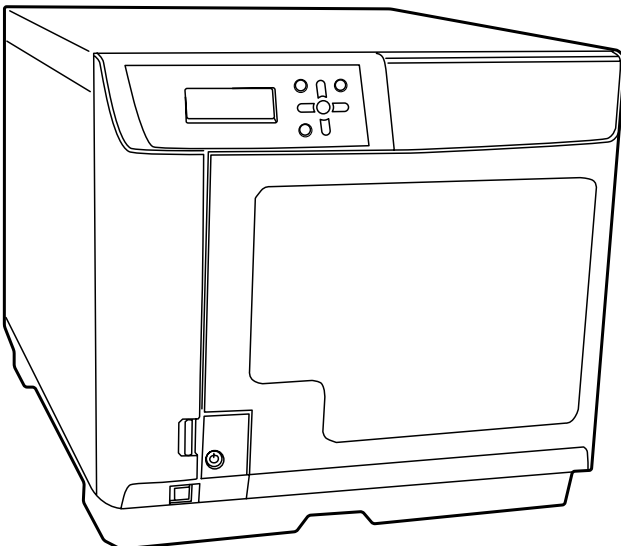


PP-100N Security

User's Guide

M00012000

Disc producer™



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Marks used in this guide

The following marks are used in this guide to indicate important information.



Indicates information with which you must comply when using this product. Ignoring this information and mishandling the product may cause it to fail or malfunction.

Notes

Indicates an additional explanation or information we want you to know.

Screens appearing in this guide

Unless otherwise indicated, the Windows screens appearing in this guide are Vista screens.

Organization of this manual

The following instruction guides are included with this product.

PP-100N Setup Guide	Briefly describes how to set up this product using Standard Mode, External Output Mode and Batch Mode in 25 languages with illustrations. See the PP-100N Administrator's Guide for more information.
PP-100N User's Guide (PDF)	Presents detailed information users need to know when using this product in Standard Mode, External Output Mode, and Batch Mode, such as how to install the software, the product functions and operations, as well as maintenance information. It is included on the PP-100/PP-100N Utility & Documents disc.
PP-100N Administrator's Guide (PDF)	Presents detailed information necessary for setting up, operating, and managing this product when using it in Standard Mode, External Output Mode, and Batch Mode. It also describes how to troubleshoot various problems. It is included on the PP-100/PP-100N Utility & Documents disc.
PP-100N Security Setup Guide	Briefly describes how to set up this product using PIN Controlled Mode and Security Mode in 25 languages with illustrations. See the PP-100N Security Administrator's Guide for more information.
PP-100N Security User's Guide (PDF)	Presents detailed information users need to know when using this product in PIN Controlled Mode and Security Mode, such as how to install the software, the product functions and operations, as well as maintenance information.
PP-100N Security Administrator's Guide (PDF)	Presents detailed information that administrators need to know about setting up, operating and managing this product when using it in PIN Controlled Mode and Security Mode. It also describes how to troubleshoot various problems. It is included on the PP-100N Security-Documents disc.

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Before Using This Product

For safe use

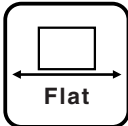
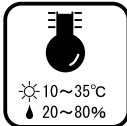
- To use this product safely, be sure to read this guide as well as the other instruction guides included with this product before using it.
- Keep this guide at hand so that you can resolve any questions you have about this product.


To prevent harm to customers and other people or damage to property, this guide contains the following symbols and warning displays for operations and use that may be dangerous. Please read the guide after thoroughly understanding this information.








 WARNING	If this display is ignored and the product is mishandled, it may result in death or serious injury.
 CAUTION	If this display is ignored and the product is mishandled, it may result in bodily harm or physical damage.

	Indicates action that should not be performed (prohibited).		Indicates that the product must not come in contact with water.
	Indicates that disassembly is prohibited.		Indicates that the plug should be disconnected from the outlet.
	Indicates that touching the product with wet hands is prohibited.		












Install this product in the following type of place.

Place that is flat and stable	Place with the following temperature and humidity range
	







<ul style="list-style-type: none"> • When using this product in a place where static electricity is easily generated, use an antistatic mat or other product to prevent static electricity. • Do not install on a surface that is smaller than the base of the product. If the rubber bases on the bottom of the product extend beyond this surface, it places stress on the internal mechanisms, which negatively affects disc writing, printing and transporting. Be sure to install on a flat surface that is wider than the product so that all of the feet on the base of the product rest firmly on it. 	
---	---

 WARNING	<ul style="list-style-type: none"> • Do not use flammable gas sprays inside or around this product. There is a risk that gas will build up and a spark may cause a fire. • Do not install in a place where volatile substances, such as alcohol or paint thinner, are present or in a place where there is fire. <p>This may result in electric shock or fire.</p>	
 CAUTION	<p>Place the product on a flat, stable surface that extends beyond the base of the product in all directions. If you place the product by the wall, leave more than 10 cm between the back of the product and the wall. The product will not operate properly if it is tilted at an angle.</p>	
	<p>Do not install or store in an unstable place (such as on a wobbly or tilted surface), in reach of children, or in a place subject to vibration from other machines.</p> <p>There is a risk that it could drop or fall over, resulting in injury.</p>	
	<p>Do not install in places where there is excessive moisture or dust, risk of getting wet, direct sunlight, severe changes in temperature and humidity, or close to heating and cooling devices.</p> <p>There is a risk of electric shock, fire, and malfunction or failure of this product.</p>	
	<p>Do not block the air vents on this product.</p> <p>Blocking the air vents may result in internal heat build-up and fire.</p> <p>Do not install in the following types of places.</p> <ul style="list-style-type: none"> • Tight spaces where ventilation is poor, such as in a closet or on a bookshelf • On a rug or bed <p>If you place the product by the wall, leave more than 10 cm between the back of the product and the wall. It is also necessary to leave enough space in front of the product to open and close the disc cover.</p>	

Cautions for the power source

 WARNING	<p>Do not connect or disconnect the power plug with wet hands. This may result in electric shock.</p>	
	<p>Use only the type of power source indicated on the product's label. Also, do not plug the power cord into an outlet with many other cords connected to it. Using an out-of-spec power source may result in electric shock or fire.</p>	
	<p>Do not use a damaged power cord. This may result in electric shock or fire. If the power cord is damaged, consult your dealer for repairs. Observe the following when handling the power cord.</p> <ul style="list-style-type: none"> • Do not modify the power cord • Do not place heavy objects on the power cord • Do not bend, twist or pull the power cord by force • Do not wire heating appliances nearby 	
	<p>Be careful when handling the power plug. Mishandling may result in fire.</p> <ul style="list-style-type: none"> • Do not leave plugged into a power source having foreign matter such as dust • Firmly insert the prongs of the power plug all the way 	
	<p>When you disconnect the power plug from the outlet, be sure to turn off the power and hold the plug as you pull. If you stretch the power cord, it may become damaged, which could result in electric shock or fire.</p>	
	<p>Be sure your AC power cord meets the relevant local safety standard. Also, do not use the power cord included with this product with any other devices. This may result in electric shock or fire.</p>	
	<p>For safety reasons, be sure to ground the power cord. The power code included with the product is a 3-pin cable with a power system grounding (PE) terminal, so connect it to an outlet with a grounding electrode and ground it securely.</p>	
 CAUTION	<p>Regularly disconnect the power plug from the outlet and clean the base of the prongs and between the prongs. If you leave the power plug connected to an outlet for a long time, the base of the power plug prongs may become dusty, which may result in short circuit and fire.</p>	
	<p>For safety, be sure to disconnect the power plug from the outlet when you will not be using the product for a long time.</p>	

Cautions for using

 WARNING	<p>Do not continue to use under abnormal conditions such as smoke, unusual odors or sounds.</p> <p>This may result in electric shock or fire. Immediately turn off the power, disconnect the power plug from the outlet, and contact your dealer or the Epson Repair Center about repairs. Servicing the product yourself is dangerous, so never attempt it.</p>	
	<p>Do not insert or drop metal or flammable objects into the air vents or other openings.</p> <p>This may result in electric shock or fire.</p>	
	<p>If a foreign object, water or other liquid enters the product, do not continue to use it.</p> <p>This may result in electric shock or fire. Immediately turn off the power, disconnect the power plug from the outlet, and contact your dealer or the Epson Repair Center about repairs.</p>	
	<p>Do not attempt to service the product yourself</p> <p>This may result in injury, electric shock, fire or malfunction.</p>	
	<p>Do not leave containers of water or other liquid on this product.</p> <p>If water spills on or into the product, this may result in electric shock, fire, or malfunction.</p>	



CAUTION

Do not step or place heavy objects on top of the product.

Be especially careful in households with small children. There is a risk that it could fall over or break, resulting in injury.



Do not use the various cables (cords) to connect the product in a way other than that specified in the instruction guide.

Faulty wiring may result in fire.



Do not connect a telephone line to the Ethernet interface connector.

This may result in damage to the telephone line or this product.



When connecting this product to a computer (or other devices) using a cable, be careful to orient the connector the right way.

The connectors on the cables have a specific orientation. If you connect incorrectly oriented connectors to both this product and the computer (or other devices), this may result in the malfunction of both connected devices.



When storing or transporting this product, do not tilt it, stand it on end, or turn it upside down.

When transporting the product, be sure to package it in the original box to protect it from any impact.



For safety reasons, if you move this product, first check that the power is off, the power plug is disconnected from the outlet, and all of the wires are disconnected.



When replacing the ink cartridges, be careful that the ink does not contact your eyes or skin.

Be especially careful because once an ink cartridge is used, there may be some ink around the ink supply port. If ink gets into your eyes, immediately flush them with water, and if it gets onto your skin, immediately wash the area with soap and water. Leaving the ink as is may result in bloodshot eyes or mild inflammation. In the rare event that there is a problem, immediately consult with a physician.



Do not disassemble the ink cartridges to replenish or refill the ink.



Do not shake the ink cartridge too hard.

The ink cartridge may leak if you shake it around too much.



Store ink cartridges out of the reach of children. Also, do not ingest the ink.



WARNING

The connection of a non-shielded interface cable to this product will invalidate the EMC standards of this device. You are cautioned that changes or modifications not expressly approved by Seiko Epson Corporation could void your authority to operate the equipment.

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

FCC compliance statement for American users

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

For Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

For California customers only

The lithium batteries in this product contain Perchlorate Material - special handling may apply.

See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Cautions for CD/DVD discs

Before using this product, run an operation check to make sure it is functioning normally. Also, back up the data on CD/DVD discs onto separate media as necessary. Data may be damaged or lost at the following times:

- When there is static electricity or electrical noise
- During improper use
- During a malfunction or repair
- When there is damage due to a natural disaster

Even if the product is still under warranty, Epson accepts no responsibility for data that is lost or damaged due to causes not limited to those listed above.

Uses of this product

This product is for business use and not for household use.

Incidental loss arising from the use of this product

Should you not obtain the results you expect from this product, including the bundled software, we cannot provide compensation for incidental loss arising from that fact, such as expenses required for the use of this product and lost earnings that would have been gained through the use of this product.

Restriction of Use

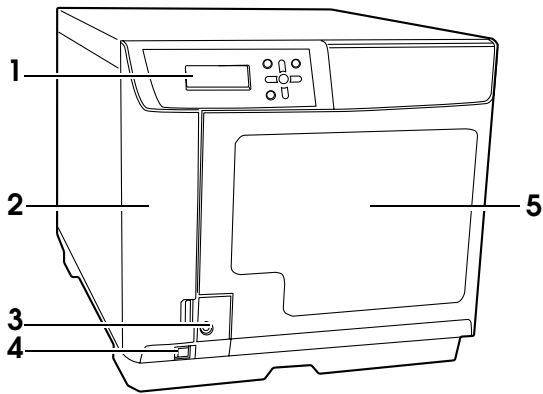
When this product is used for applications requiring high reliability/safety such as transportation devices related to aviation, rail, marine, automotive etc.; disaster prevention devices; various safety devices etc.; or functional/precision devices etc., you should use this product only after giving consideration to including fail-safes and redundancies into your design to maintain safety and total system reliability. Because this product was not intended for use in applications requiring extremely high reliability/safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care etc., please make your own judgment on this product's suitability after a full evaluation.

Open source software license

This product uses open source software in addition to Epson proprietary software. For a list of the open source software used in this product as well as license terms for this software, see *Open Source Software License Agreement* on the PP-100/PP-100N Utility & Documents Disc included with the product.

Part Names and Functions

Front



1	Control panel
---	---------------

Use to control this product (PP-100N). It also shows the status of the product and menus. See "Control panel" on page 15 in this guide for details on the control panel.

2	Ink cartridge cover
---	---------------------

Open to insert and replace ink cartridges.

3	Disc cover lock
---	-----------------

Use the disc cover key to lock and unlock the disc cover.

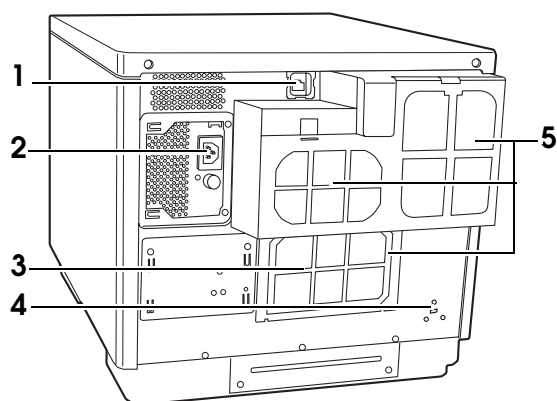
4	Power button
---	--------------

Use to turn the product on and off.

5	Disc cover
---	------------

Open when loading or taking out discs.

Back



1	Ethernet interface connector
---	------------------------------

Plug the Ethernet cable into this connector.

2	AC inlet
---	----------

Plug the power cord into this connector.

3	Rear printer cover
---	--------------------

Open this cover only when a disc is stuck in the printer tray.

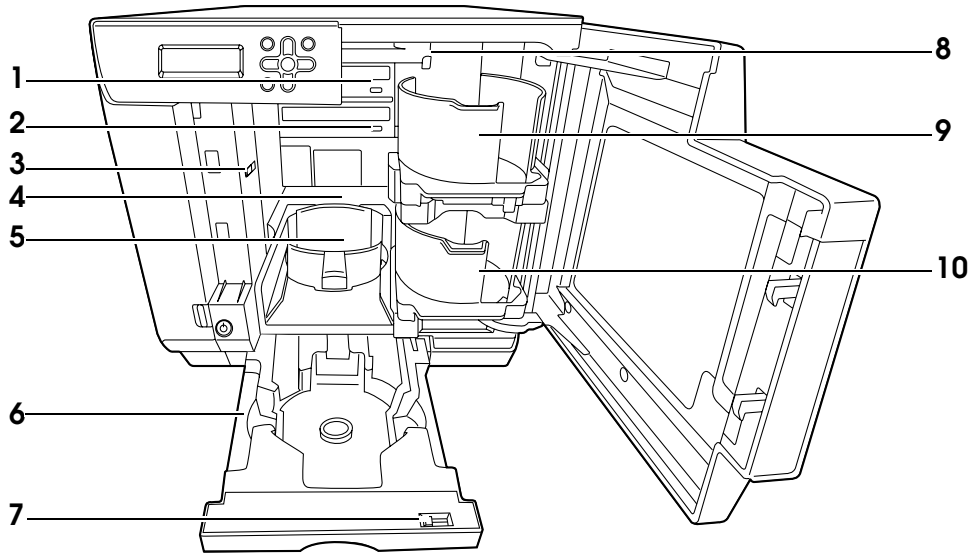
4	Security slot
---	---------------

Allows you to attach a commercially available antitheft wire.

5	Air vents
---	-----------

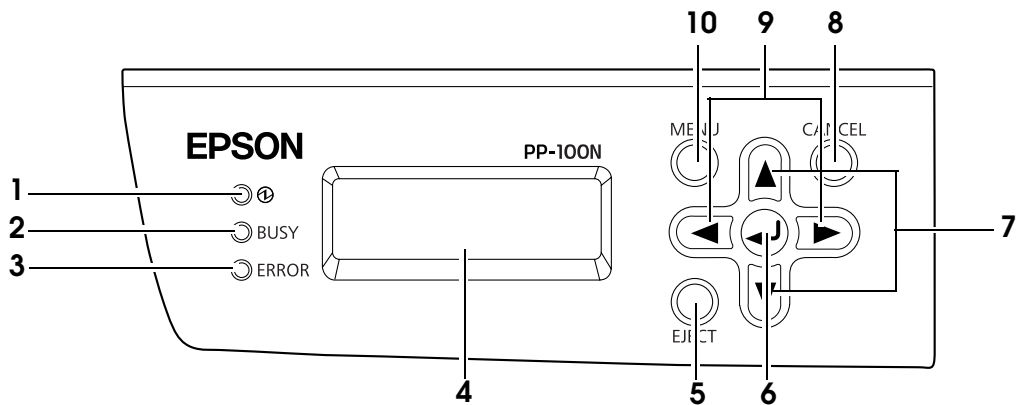
Expel heat generated inside this product to prevent the temperature from rising. Leave at least 10 cm between the back of the product and the wall for ventilation.




Inside



1	Drive 1	Writes data on the recording surface of the discs.
2	Drive 2	Writes data on the recording surface of the discs.
3	Security lock switch	Turns the disc cover lock function on and off.
4	Printer	Prints on the label surface of the discs.
5	Stacker 3	Do not use in PIN Controlled Mode or Security Mode.
6	Stacker 4	Use as a disc output stacker. Holds up to about 5 discs.
7	Lock lever	Locks and unlocks Stacker 4. Set to UNLOCK in PIN Controlled Mode or Security Mode.
8	Arm	Transports discs.
9	Stacker 1	Use Stacker 1 as a disc input stacker. Holds up to about 50 discs.
10	Stacker 2	Stores published discs until they are output to Stacker 4.

Control panel

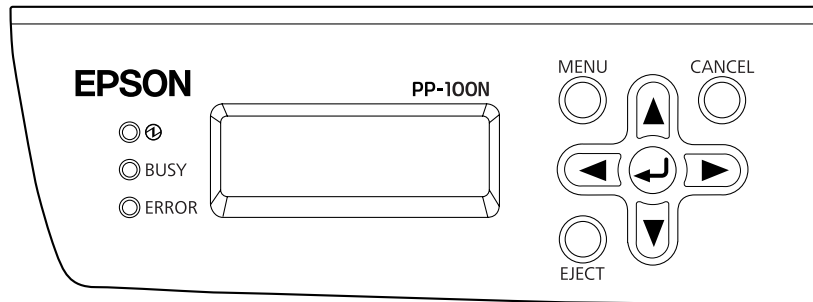







1	Power LED	Flashes and turns on when the power is turned on.
2	BUSY LED	Flashes when a job* is being processed or a job is being received.
3	ERROR LED	Flashes and turns on when an error occurs.
4	LCD	Shows menus and messages.
5	EJECT button	Outputs published discs to Stacker 4.
6	 button	Confirms the selection and runs processing.
7	 buttons	Moves to different menus.
8	CANCEL button	Cancels the selection.
9	 buttons	Moves the digit when you change the IP address.
10	MENU button	Displays the top menu.

*Job: Processing performed by this product, such as writing and printing data

Checking the status of this product using the indicator light display

This section describes the status of the product using the indicator lights displayed on the control panel.



	Indicator light	Flashing/On	Status
⚡	Power LED	On 	The power is on. When only the power LED is on, the product is on standby for data.
		Flashing 	Product is being initialized or is shutting down. When it flashes together with the ERROR LED, there is a problem on the unit.
BUSY	BUSY LED	Flashing 	Product is processing a job, is receiving a job, or is backing up or restoring data. When the BUSY LED is flashing quickly, a disc is being ejected, so do not pull out Stacker 4. Discs may be damaged.
⚠	ERROR LED	On 	The cover, disc transport system, stacker, drive, or printer is experiencing an error.
		Flashing 	The unit is experiencing a problem.

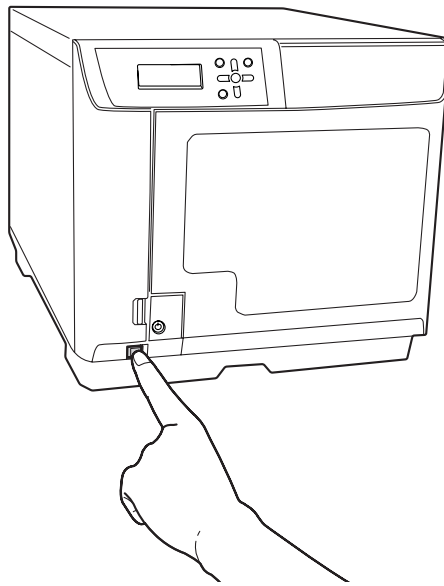
Basic operations

This section describes how to perform basic operations on the product.

Turning on the power

Press the Power button to turn on the power.

The power LED flashes, and then stays on.

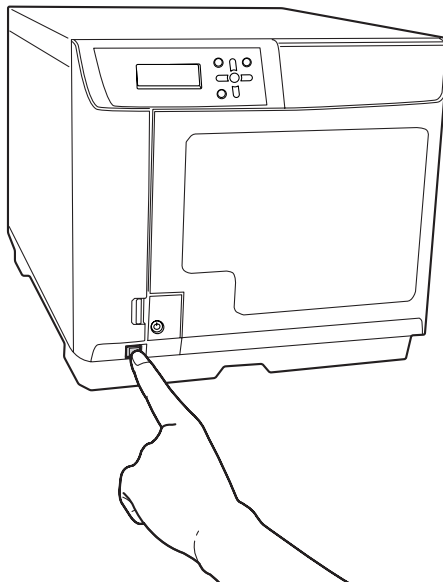



- The ERROR LED turns on and an error message is displayed if the power is turned on in the following situations. If this happens, quickly report it to an administrator.
 - * The disc cover is not locked.
 - * A published disc is left in Stacker 2.
- If an administrator has set notification email transmission, an email is sent to notify each administrator that a published disc still remains in the product when the power is turned on or if the previous power off processing was not performed successfully.

Turning off the power

Press the Power button for 1 to 3 seconds.

The power LED flashes and then turns off, indicating that the power is off.



- In the following situations, there is a beeping warning sound and the power is not turned off. If you press the  button or CANCEL button after at least 5 seconds have passed, the buzzer stops. (If an administrator has set notification email transmission, an email is sent to notify each administrator that the power could not be turned off for the following reasons.)
 - * A job is currently being processed.
 - * A published disc is left in Stacker 2.
- In the following situations, there is a beeping warning sound and the power is not turned off. The buzzer stops if you lock the disc cover. (If an administrator has set notification email transmission, an email is sent to notify each administrator that the power could not be turned off for the following reasons.)
 - * The disc cover is open.
 - * The disc cover is not locked.
- The power cannot be turned off for about 15 minutes after the power is turned on. The power turns off automatically 15 minutes after "Power off Please wait" appears on the LCD.

Turning off the power by force

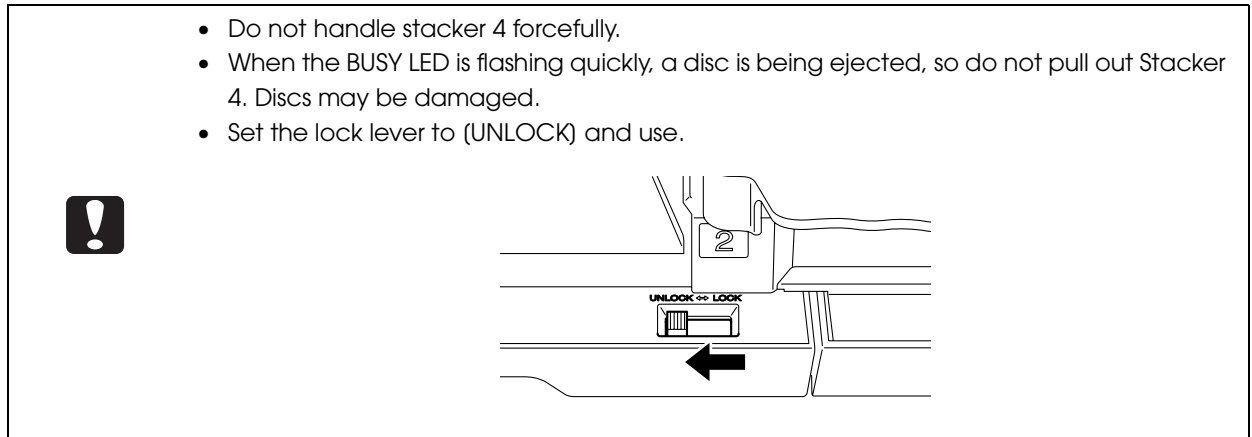
When you are not able to turn the power off or you need to turn the power off immediately when a problem occurs on this product, press the Power button for at least 3 seconds. Power off processing starts immediately.



- If you press the power button for at least 3 seconds when the power LED and ERROR LED are flashing, you are prompted to enter the user number and PIN of the administrator. In such a case, ask the administrator to enter the information.
- The power cannot be turned off when in one of the states below.
 - * A job is currently being processed.
 - * A published disc is left in Stacker 2.
 - * The disc cover is open.
 - * The disc cover is not locked.

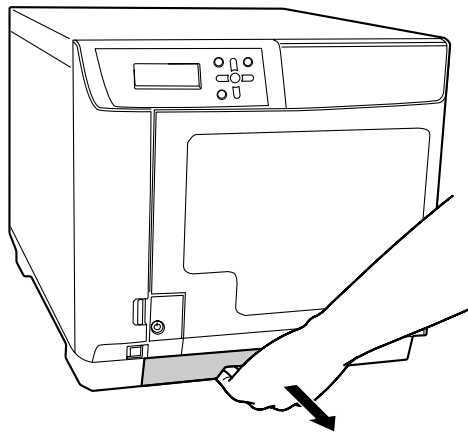
Handling Stacker 4

Published discs are ejected from Stacker 4. (See "Taking out discs" on page 114 in this guide) Handle Stacker 4 as shown below.



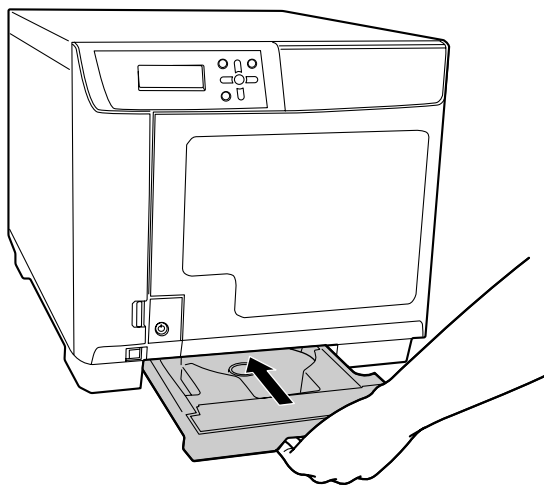
Pull out

Hold the Stacker 4 grip and pull out the stacker.



Push in

Hold the Stacker 4 grip and push the stacker in.



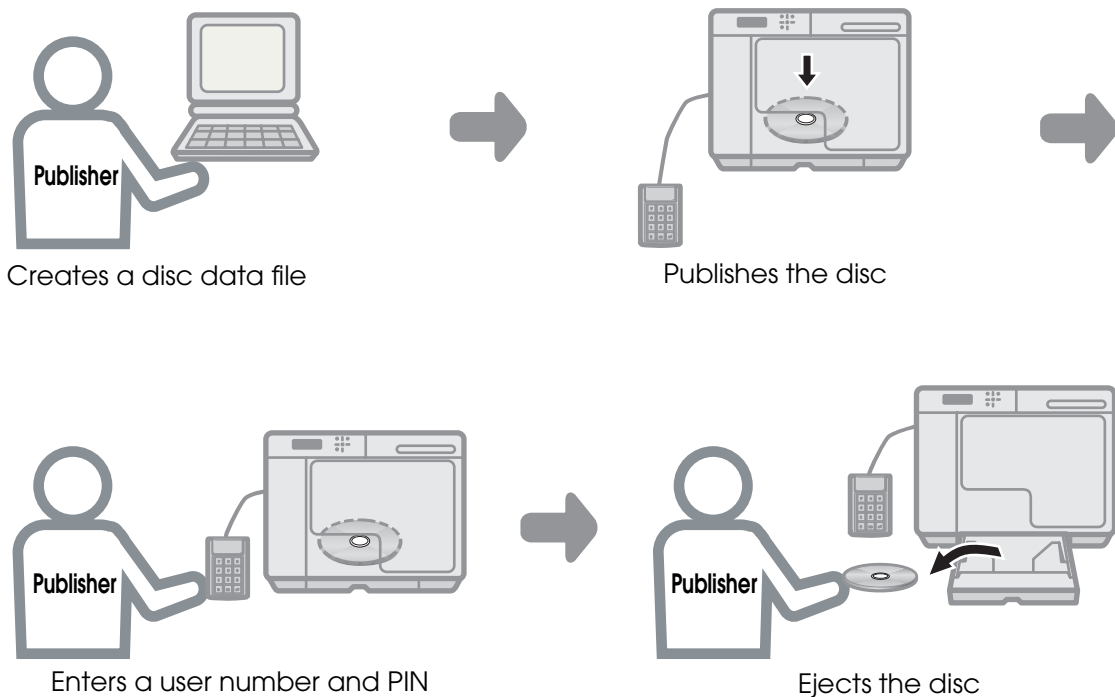
PIN Controlled Mode and Security Mode

In addition to the regular modes (Standard Mode/External Output Mode/Batch Mode), this product also has the two modes, PIN Controlled Mode and Security Mode. This section describes precautions for using the product in the PIN Controlled Mode and Security Mode.

Publish Mode

PIN Controlled Mode

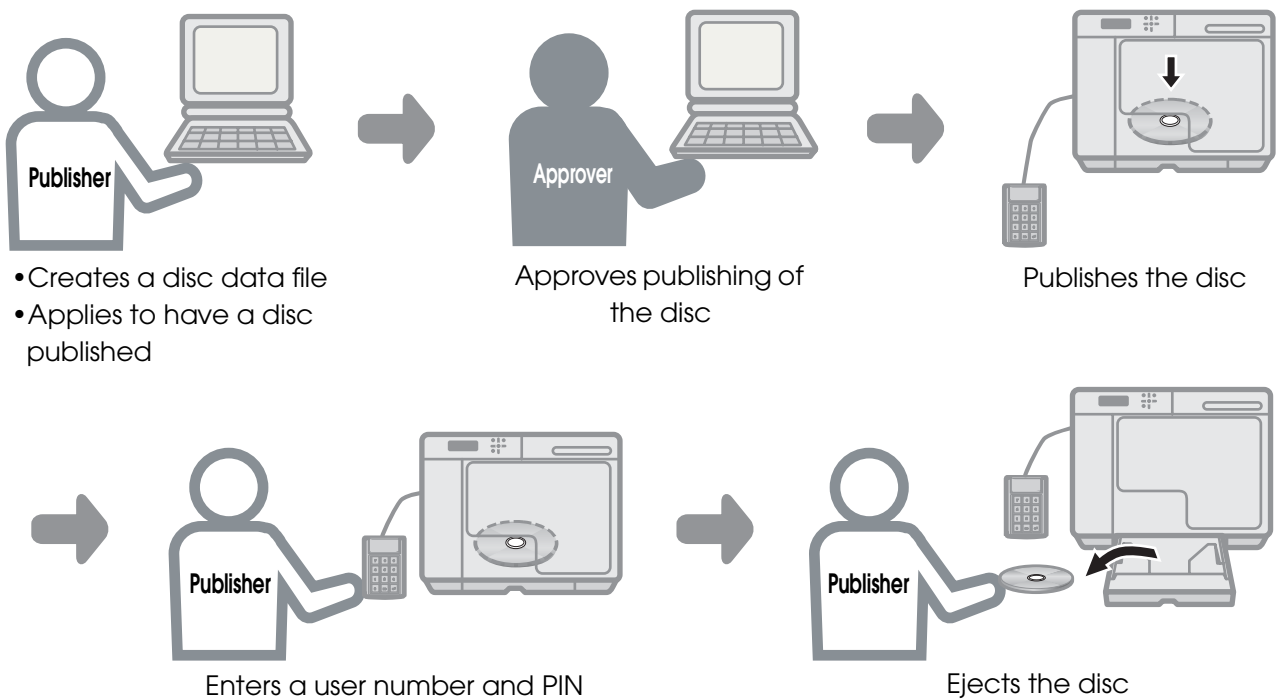
In PIN Controlled Mode, only a publisher authenticated using the identity authentication function can publish a disc after the disc image and the label data file are created on the client computer. In addition, the disc that was published can be received only by a publisher who enters a user number and PIN to be certified as the person who published the disc.



Security Mode

In Security Mode, after the disc image and the label data file are created on the client computer, the publisher and the approver are authenticated using the identity authentication function, and the disc is published only if the correct approver approves disc publishing by the correct publisher using the approval workflow. In addition, the disc that was published can be received only by a publisher who enters a user number and PIN to be certified as the person who published the disc.

As a result, if you use Security Mode, published discs can no longer be passed to other people, which makes it possible to prevent data recorded on discs from leaking.



What this product (PP-100N) protects is the data on the published disc that is stored on this product. It does not protect the following data on this product.

- Source files on the file server or client computers as well as disc images and label data files
- Disc images and label data files saved on the hard disc of this product as spool data
- Data on a published disc that was ejected from this product or to Stacker 4

To publish secure discs

To use the Security Mode on this product to build a secure disc publishing environment, follow instructions from your administrator to set up client computers and use this product.

There is a risk of information leaks in environments where appropriate conditions are not met. Check the following conditions.

- Users themselves should manage the user authentication information (passwords and PINs) used for identity authentication so that it is not used by a third party.
- A beeping warning sounds if there is a possibility of a security breach. If this happens, quickly report it to an administrator.

Roles of the person in charge and the users (administrators, approvers, publishers)

To appropriately use the Security Mode in this product, it is necessary to separate the roles of the person in charge and the users (administrators, approvers, publishers). (In PIN Controlled Mode, it is not necessary to appoint an approver.) Each of the roles is described below.

Who is the person in charge?

This is the head of the organization that installed this product.

Role of the person in charge

- Appoints administrators (more than one) who can be trusted and teaches the administrators the required knowledge
- Appoints approvers who can be trusted

Who is a user?

A user is a person who has the authority to create discs using this product. This includes administrators, approvers and publishers.

More details about the work that users perform are presented in this guide.

Role of an administrator

- Sets up, operates, and manages this product
- Trains approvers and publishers in how to install the software
- Trains approvers and publishers in how to operate the product
- Responds when there is a possibility of a breach of security

More details about the work performed by administrators are presented in the *PP-100N Security Administrator's Guide*.

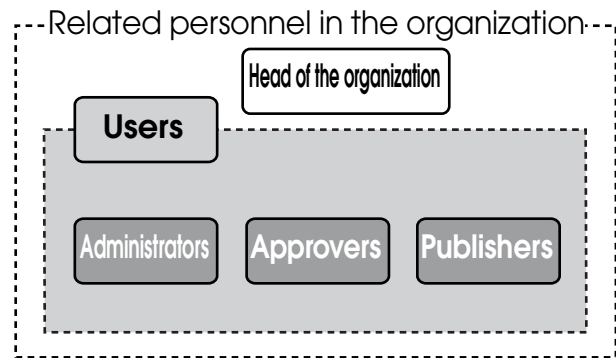
Role of an approver

- Approves or denies the publishing of a disc

More details about the work performed by approvers is presented in Approving/Denying Jobs page 110 in this guide.

Role of a publisher

- Publishes discs
- Applies for creation of discs (Security Mode only)



Preparation

Installing the software

This section describes the installation procedure of the software required for using this product (PP-100N). After setup of this product (see the *PP-100N Security Administrator's Guide*) is completed, use the procedure below to install the software onto the user's client computer.

Before installation

This installation procedure installs the following software.

- Printer driver
- EPSON Total Disc Setup
This software is used to register this product.
- EPSON Total Disc Monitor
This software is used to verify the product status from the client computer.
- EPSON Total Disc Maker
This software is used to edit the write data and the print data for the label surface and to publish using this product.

• Important Note

This software enables the customer to use this Epson product. This Epson product allows the customer to copy CDs and DVDs. When copying CDs and DVDs, you must meet the conditions that the work recorded on the discs do not have a copyright, that you have a copyright for the work, that you have received permission from the author, or that copying of the work on-to the discs is legally approved.

Copying of CDs and DVDs without meeting these conditions is illegal and should not be done.



- Be sure to install the software by following the procedure in this guide.
- To install the software, log on with a "computer administrator" account (user who has administrator authority). The software cannot be installed if you log on with user authority.
- When EPSON Total Disc Maker is installed, several Windows components may be installed. Some of the installed components may not be uninstalled (deleted) when EPSON Total Disc Maker is uninstalled.
- If the system and user language settings are different, the installation procedure may not be performed properly. Install in an environment where the system and user languages are the same.

Software operating requirements

The minimum hardware and software requirements for using the supplied software are shown below.

OS (Operating system)		<ul style="list-style-type: none"> • Windows 2000 Professional SP4 or higher • Windows XP Home Edition 32bit SP2 or higher • Windows XP Professional 32bit SP2 or higher • Windows Vista Home Basic 32bit SP1 or higher • Windows Vista Home Premium 32bit SP1 or higher • Windows Vista Business 32bit SP1 or higher • Windows Vista Enterprise 32bit SP1 or higher • Windows Vista Ultimate 32bit SP1 or higher
CPU		Intel Pentium 4 (or compatible processor) 1.4 GHz or faster processor (2.4 GHz or faster recommended)
RAM	Windows 2000/ Windows XP	512 MB or more (1 GB or more recommended)
	Windows Vista	1 GB or more
HDD	Windows 2000/ Windows XP	Available space: 10 GB or more Speed: 7200 rpm or faster
	Windows Vista	Available space: 25 GB or more Speed: 7200 rpm or faster
Display		XGA (1024 x 768 pixels) or higher 65,536 colors or more
Interfaces		Ethernet interface This interface must meet one of the standards below. <ul style="list-style-type: none"> • 100Base-TX • 1000Base-T
Software		Windows Media Player 6.4 or higher already installed Windows Internet Explorer 6 or 7 already installed
Miscellaneous		Making music CD: Require sound device with appropriate driver installed.



- The product may not function properly in environments where third-party writing software or anti-virus software is installed.
- The source drive should use commands and operations that are compliant with MMC4 or higher, and be capable of reading sub-channels.

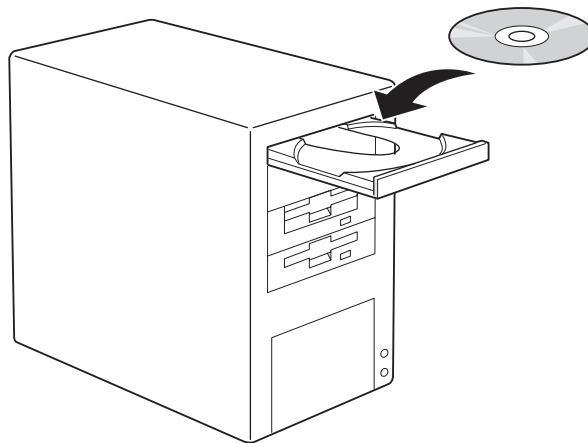
Installation

This section describes the procedure for installing the software.



- To perform installation, the IP address or host name of the product are required. Confirm the IP address or host name of the product from the administrator.
- If any other software or anti-virus programs are running, exit them before starting the installation.

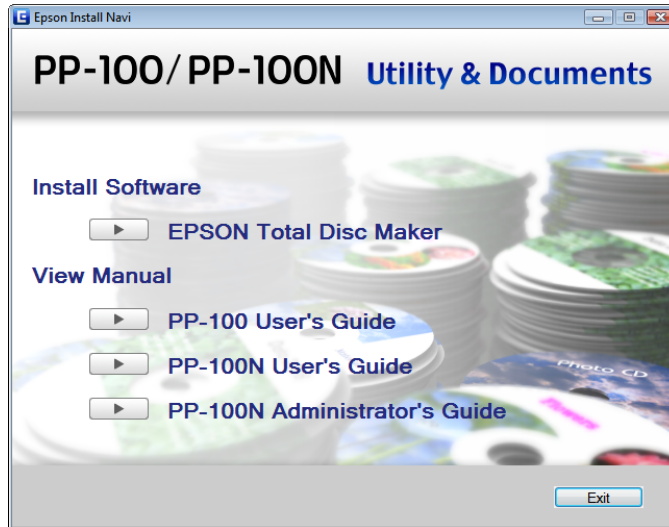
- 1 Start Windows, and load the PP-100/PP-100N Utility & Documents Disc supplied with the product into the client computer.




Notes

When the AutoPlay window is displayed in Windows Vista, click (Run InstallNavi.EXE) to proceed with operation.

- 2 Click [EPSON Total Disc Maker] when the screen shown below is displayed.

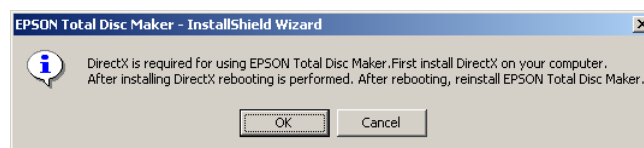


If the screen is not displayed. . .

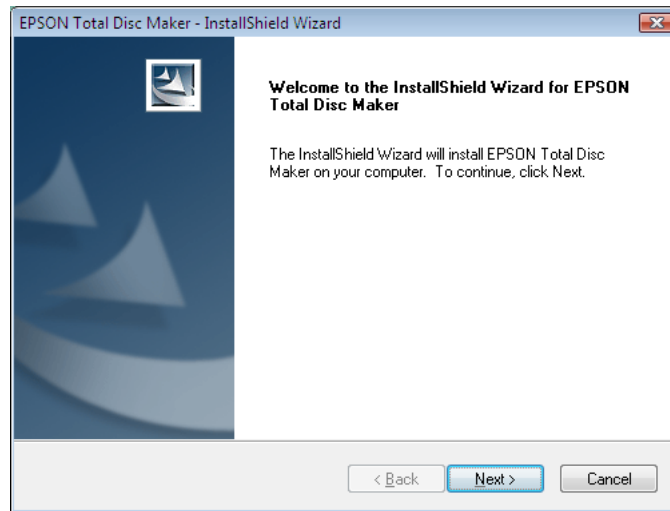
- Windows Vista:
 Click [Start] - [Computer], and double-click the CD-ROM icon to open the CD-ROM. Next, double-click the InstallNavi.EXE icon.
- Windows XP:
Click [Start] - [My Computer], and double-click the CD-ROM icon to open the CD-ROM. Next, double-click the InstallNavi.EXE icon.
- Windows 2000:
Double-click the My Computer icon on the Desktop, and double-click the CD-ROM icon to open the CD-ROM. Next, double-click the InstallNavi.EXE icon.

- When (User Account Control) screen is displayed in Windows Vista, click (Allow). When asked for an administrator password, enter the password to proceed with operation.
- When the screen shown below is displayed in Windows 2000, click (OK) to install DirectX, and then perform the installation again.

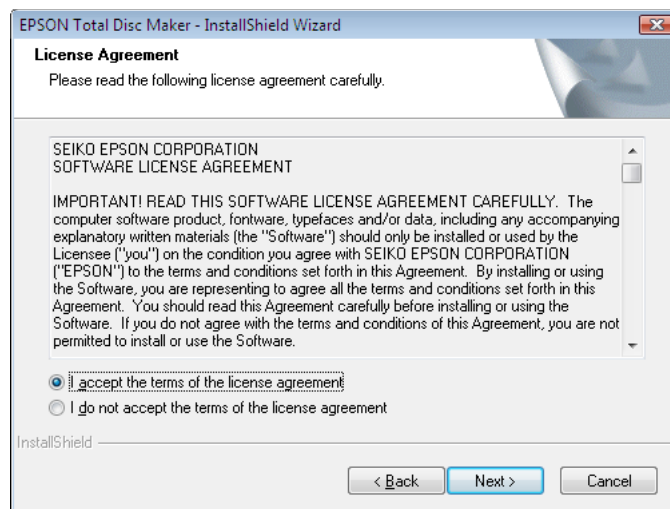
Notes



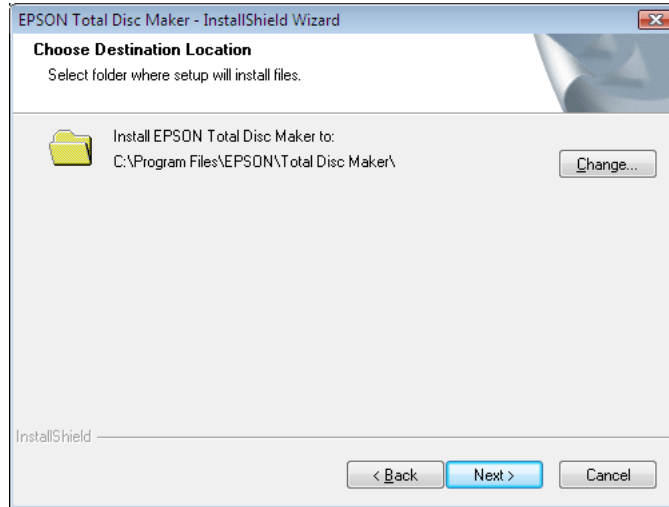
3 Click [Next].



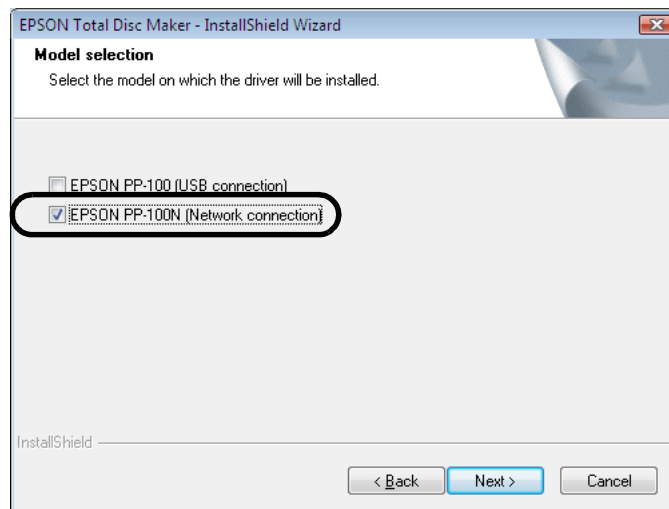
4 Carefully read the license agreement, and if you agree, select [I accept the terms of the license agreement], and click [Next].



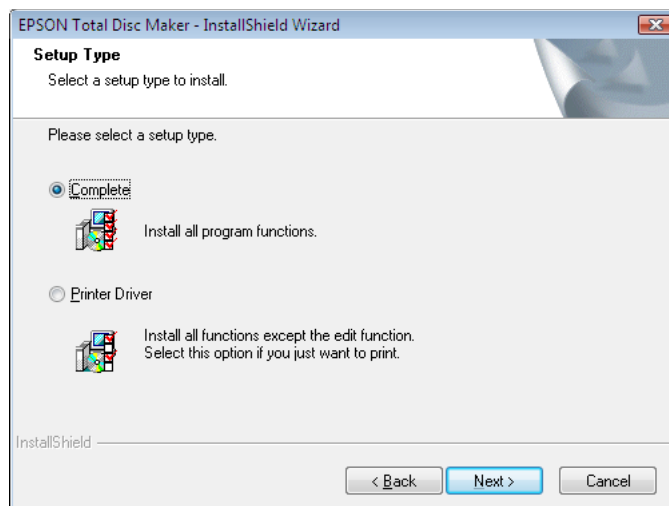
- 5 Verify the folder where you want to install the software, and click [Next].
To change the folder, click [Change] and specify the folder, and then click [Next].



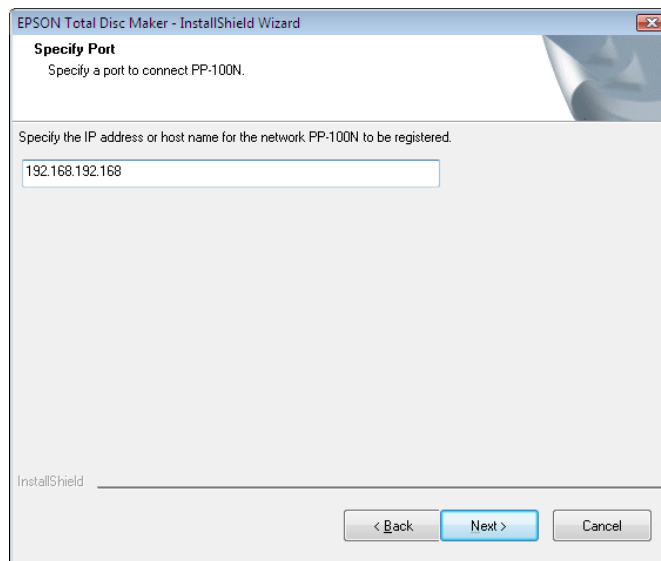
- 6 Insert a check mark for [EPSON PP-100N (Network connection)], and then click [Next].



- 7 Check that [Complete] is selected, and click [Next].

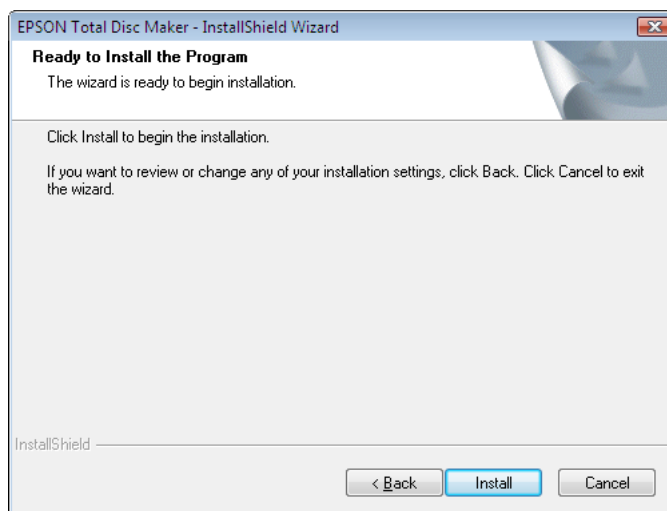


- 8 Enter the IP address or host name of the product, and click [Next].
In this example, we enter http://192.168.192.168.



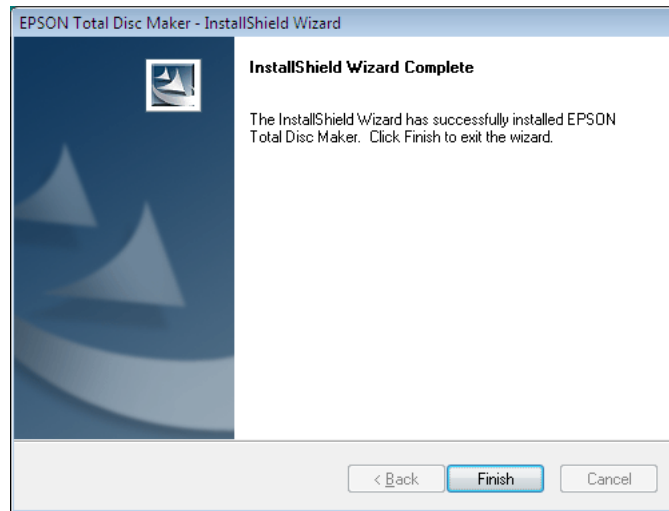
If the IP address or host name of PP-100N is not entered, register this product after the installation is finished. (See "Registering the product" on page 33 in this guide.)

- 9 Click [Install].



The installation process is started.

10 Click [Finish].



This completes the software installation.

After the installation is completed, EPSON Total Disc Setup will start automatically.

If multiple units of this product are connected on the same network, this product must be registered to the client computer using EPSON Total Disc Setup. See "Registering the product" on page 33 in this guide, and then register this product.


If only one unit of this product is connected, no registration process is necessary. Close the EPSON Total Disc Setup screen.

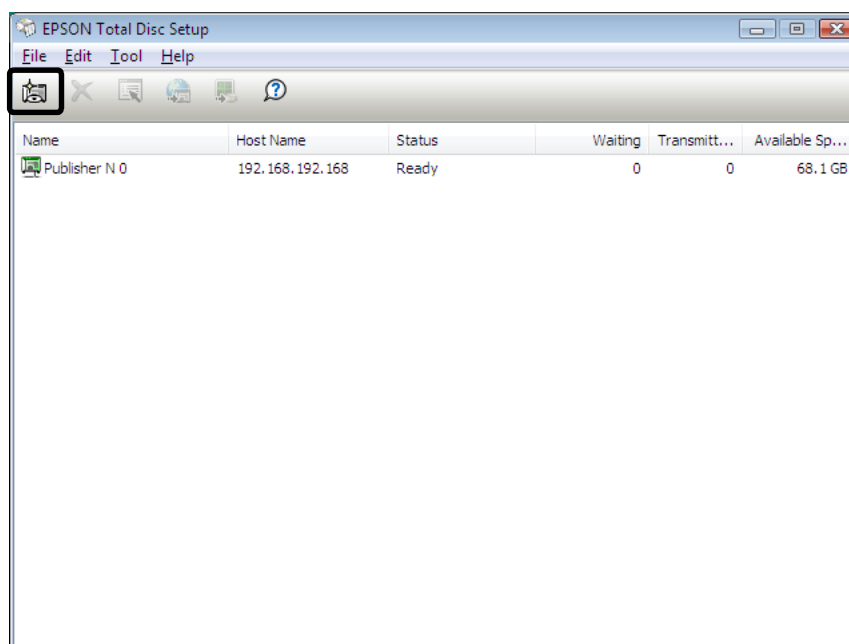
Registering the product

To use EPSON Total Disc Maker, you must register this product to the client computer. However, if only one product is connected, product registration is performed during the software installation process, and so this procedure is not necessary.

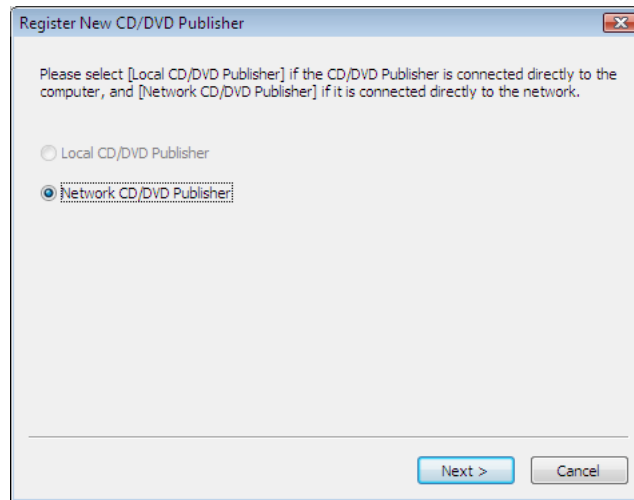
If multiple units of this product are connected on the same network, the registration process must be performed for each connected product.

Use the following procedure to register the product.

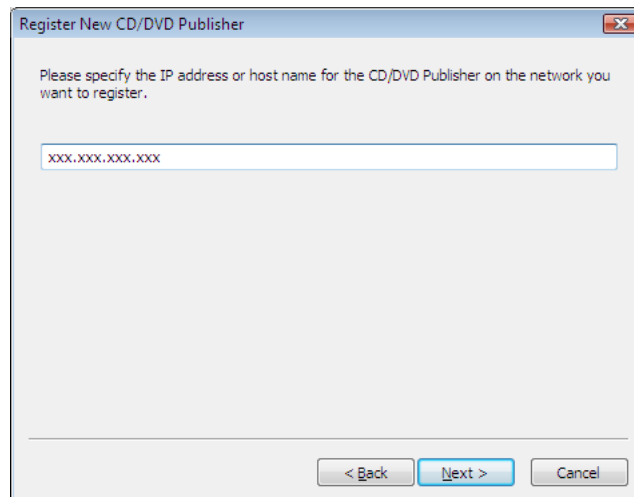
- 1 Check that the client computer and this product are connected on the same network and the power for this product is turned on.
- 2 If EPSON Total Disc Setup is not running, start EPSON Total Disc Setup. See “Starting EPSON Total Disc Setup” on page 45 in this guide for the start procedure.
- 3 Click  [Add].



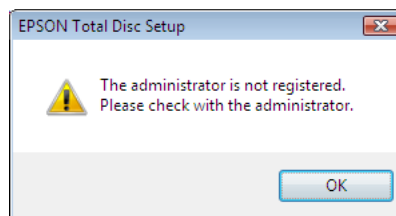
- 4 Select [Network CD/DVD Publisher], and click [Next].



- 5 Enter the IP address or host name of the product to be registered, and click [Next].

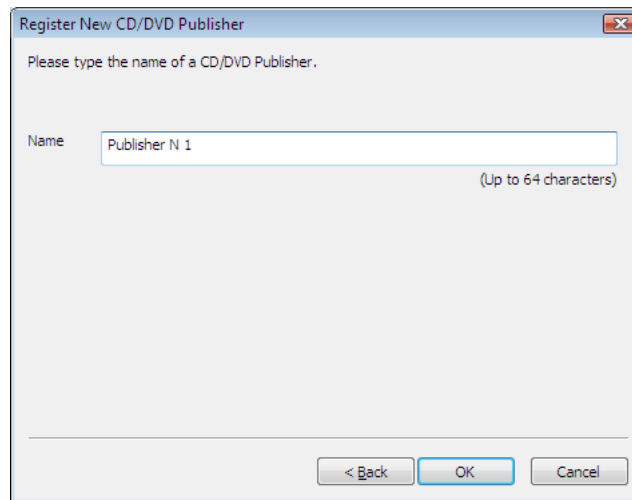


If the administrator is not already registered, the confirmation message shown below is displayed.



Clicking (OK) continues with the registration process for the product, but this product cannot be used until an administrator is registered. Ask the administrator to perform administrator registration (see "Registering an administrator" in the *PP-100N Security Administrator's Guide*).

- 6** Enter the name into [Name] and click [OK].
This name is displayed at [Output device] that is selected in the Publishing screen of EPSON Total Disc Maker.



The screenshot shows a dialog box titled "Register New CD/DVD Publisher". Inside the dialog, there is a text prompt: "Please type the name of a CD/DVD Publisher." Below this, there is a text input field labeled "Name" containing the text "Publisher N 1". To the right of the input field, there is a note: "(Up to 64 characters)". At the bottom of the dialog, there are three buttons: "< Back", "OK", and "Cancel".

This completes the product registration.

Checking and changing user information

User information is registered by the administrator.

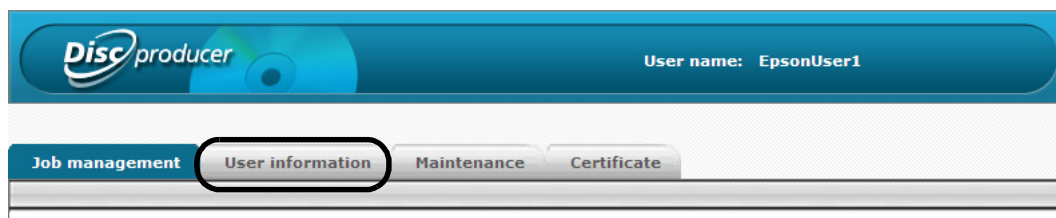
After software installation (see page 25 in this guide) is completed, the user must check the registered user information and change the password and PIN.



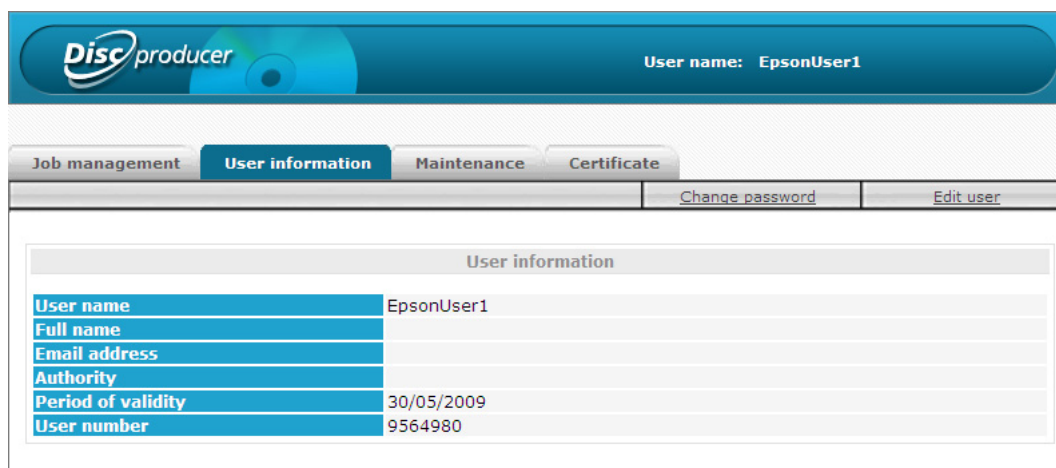
Check with the administrator for the initial settings for the user name and password. The user name and password are necessary for checking and changing the user information.

Checking user information

- 1 Log in to EPSON Total Disc Net Administrator.
See “Logging in to EPSON Total Disc Net Administrator” on page 55 in this guide for the login procedure.
- 2 Click the [User information] tab.



The registered user information is displayed.

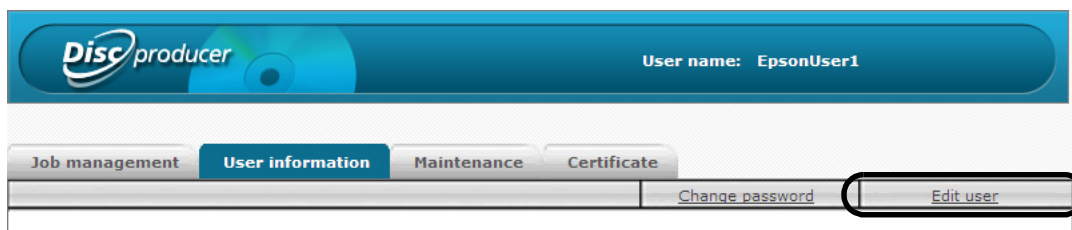


- User name: This displays the user name to use when logging in to EPSON Total Disc Maker/EPSON Total Disc Monitor/EPSON Total Disc Net Administrator.
- Full name: This displays the full name of the user if registered.
- Email address: This displays the email address of the user if registered.
- Authority: This displays “Administrator” or “Approver” if the user is set as an administrator or approver.
- Period of validity: This displays the period of validity for the password and PIN of the user.
- User number: This displays the user number to use when performing identity authentication with the authentication keypad.

Changing user information

Use the procedure below to change the full name and email address of a user.

- 1 Log in to EPSON Total Disc Net Administrator.
See “Logging in to EPSON Total Disc Net Administrator” on page 55 in this guide for the login procedure.
- 2 Click [Edit user] in the [User information] tab.

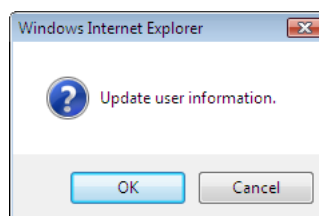


- 3 Change the full name or email address, and click [Save].

The screenshot shows the 'Edit user' form with the following fields and options:

Edit user	
User name	EpsonUser1
Full name	<input type="text"/>
Email address	xxxxx@xxx.xx.xx
Authority	<input type="checkbox"/> Approver <input type="checkbox"/> Administrator
<input type="button" value="Save"/>	

- 4 Click [OK].



- 5 The [User information] screen appears.
Check that the modified information is correct.

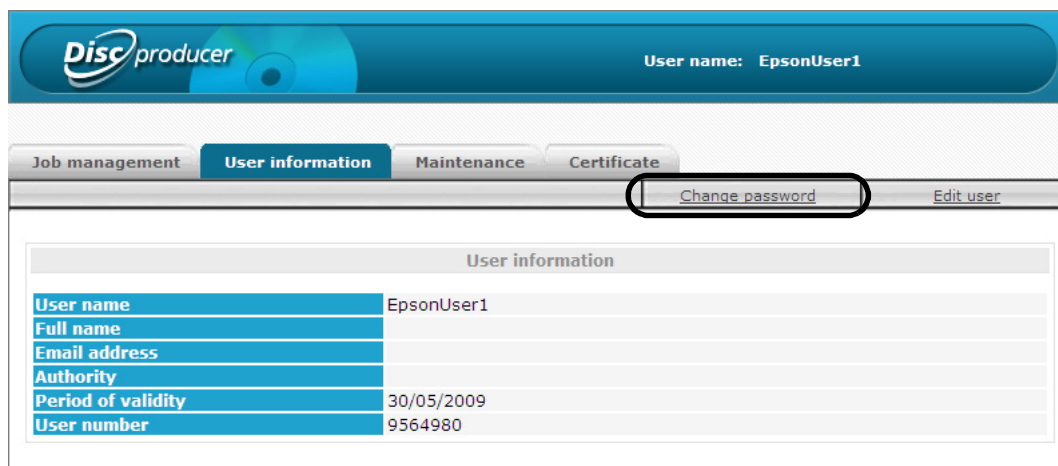
Changing password and PIN

The password is used for identity authentication in EPSON Total Disc Maker, EPSON Total Disc Monitor, and EPSON Total Disc Net Administrator. The PIN is used for taking out published discs. Use the following procedure to change the password and PIN.



- Manage the password and PIN so that they cannot be used by anyone other than you.
- If you are using the AutoComplete feature of Internet Explorer, take sufficient care to ensure your PC is not used by a third person.
- The period of validity for the password and PIN is 180 days. Change them regularly before the period of validity ends.
- When there are only 30 days left until the period of validity for the password and PIN expires, a message appears to notify you that the period is to expire soon each time you log in to EPSON Total Disc Net Administrator.
- If notification email transmission is set by the administrator, when there are only 30 days left until the period of validity for the password and PIN expires, an email is sent to notify the user that the period of validity is to expire soon.
- If you enter the wrong password or PIN three times in a row, the user account is locked and the password or PIN can no longer be used. (If notification email transmission is set by the administrator, an email is sent to the administrator to notify that the user account is locked.) In this case, ask the administrator to unlock the user account lock. Alternatively, the lock is automatically unlocked after one hour elapses.

- 1 Log in to EPSON Total Disc Net Administrator.
See “Logging in to EPSON Total Disc Net Administrator” on page 55 in this guide for the login procedure.
- 2 Click [Change password] in the [User information] tab.



3 Enter the new password and PIN, and click [Save].



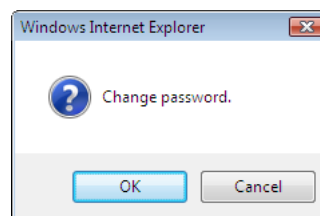
- Enter 5 to 16 alphanumeric characters or symbols (".", "-", "_") for the password.
- The password is case-sensitive.
- Do not set a date of birth, employee number, or anything else that is easy to guess for a password or PIN.
- Enter 5 to 16 numbers for the user number and PIN.
- Manage the password and PIN so that they cannot be used by anyone other than you.

The screenshot shows the 'Disc producer' web interface. At the top, the user name is 'EpsonUser1'. Below the navigation tabs (Job management, User information, Maintenance, Certificate), the 'Change password' form is displayed. The form contains the following fields:

Change password	
User name	EpsonUser1
Full name	
Password	••••••
Confirm password	••••••
User number	9564980
PIN	••••••
PIN confirmation	••••••

A 'Save' button is located at the bottom right of the form.

4 Click [OK].



Uninstalling the software

If the software could not be installed properly, uninstall (delete) the software, and then reinstall.

This section describes the procedure for uninstalling the following software.

- EPSON Total Disc Maker
- EPSON Total Disc Setup
- EPSON Total Disc Monitor
- Printer driver

Notes

- In Windows Vista, you may be asked for an administrator password or confirmation when uninstalling the software. When asked for a password, enter the password to proceed with operation.
- When uninstalling the software in Windows XP, log on as a "computer administrator" account (user with administrator privileges).
- In Windows 2000, log on as a user who has administrator authority (user in the Administrators group) when uninstalling the software.

1 Exit all applications that are running.

2 Open the [Control Panel].

Windows Vista:

Click [Start] - [Control Panel], in this order.

Windows XP:

Click [Start] - [Control Panel], in this order.

Windows 2000:

Click [Start] - [Settings] - [Control Panel], in this order.

3 The Uninstall screen is opened.

Windows Vista:

Click [Uninstall a program].

Windows XP:

Click [Add or Remove Programs].

Windows 2000:

Double-click [Add or Remove Programs].

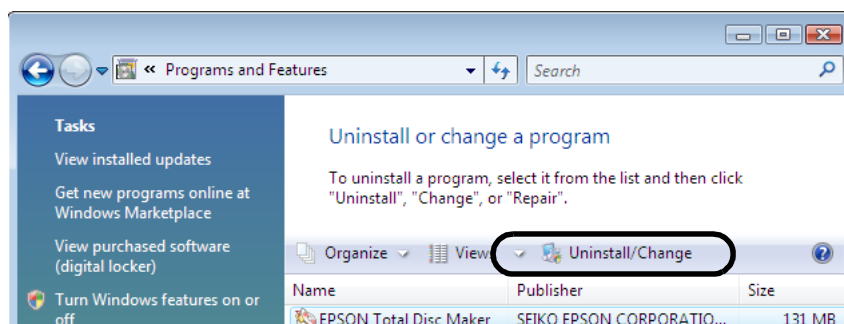
4 Delete EPSON Total Disc Maker.

Windows Vista:

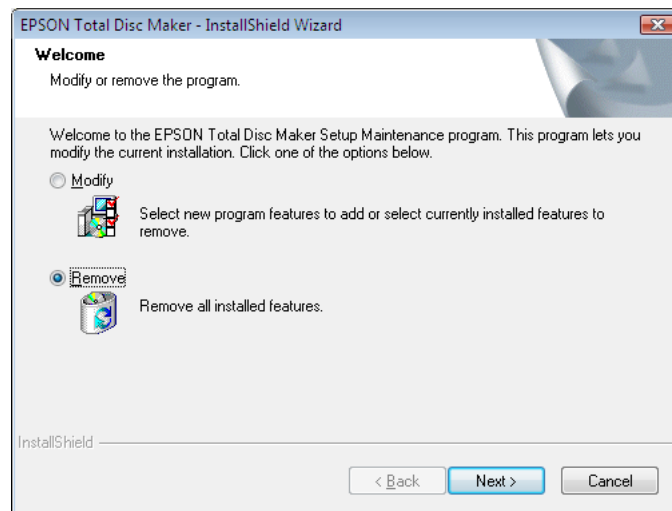
Select EPSON Total Disc Maker, and click [Uninstall/Change].

Windows 2000/Windows XP:

Select EPSON Total Disc Maker, and click [Change/Remove].



5 Select [Remove], and click [Next].



Follow the on-screen messages to complete the uninstallation process.

Using Applications


EPSON Total Disc Maker

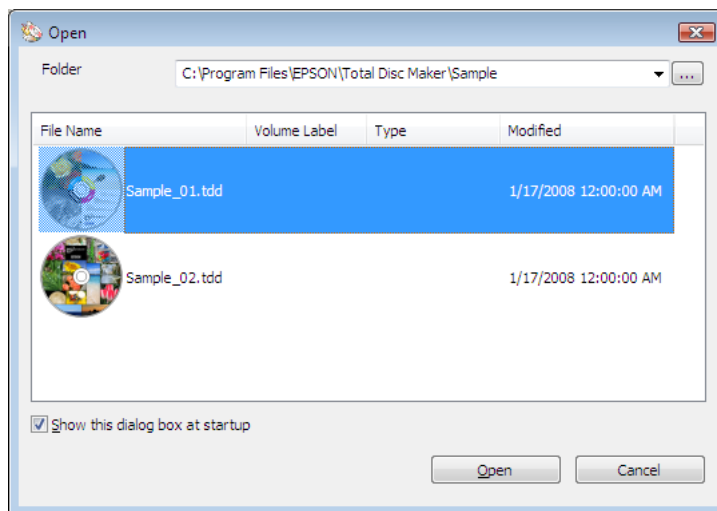
What is EPSON Total Disc Maker?

EPSON Total Disc Maker is software for editing the write data and the print data for the label surface, and publishing to this product (PP-100N).

In EPSON Total Disc Maker, the execution of writing data to this product and printing labels is referred to as “publishing”. Publishing enables this product to write data to a CD or DVD and print the label to create a finished disc.

Starting EPSON Total Disc Maker

- 1 Select [Start] ( in Windows Vista) - [All Programs] (or [Programs]) - [EPSON Total Disc Maker] - [EPSON Total Disc Maker].
The [Open] dialog box appears.
- 2 Click [Cancel].
The [Open] dialog box closes and the disc view becomes active.



Notes

- If you select a Total Disc Maker data file in the (Open) dialog box and then click (Open), the selected file opens and the publish view becomes active.
- If you unselect (Show this dialog box at startup) and close the (Open) dialog box, the (Open) dialog box is not displayed from the next startup.

Screen configuration of EPSON Total Disc Maker

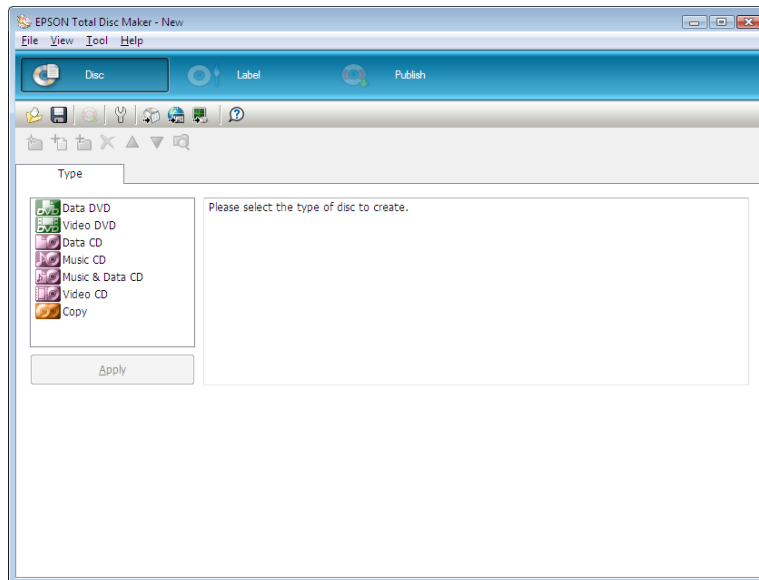
This section describes the screen configuration of EPSON Total Disc Maker.

See EPSON Total Disc Maker Help for details on use.

Disc view

Starting EPSON Total Disc Maker or clicking [Disc] in another view displays the disc view.

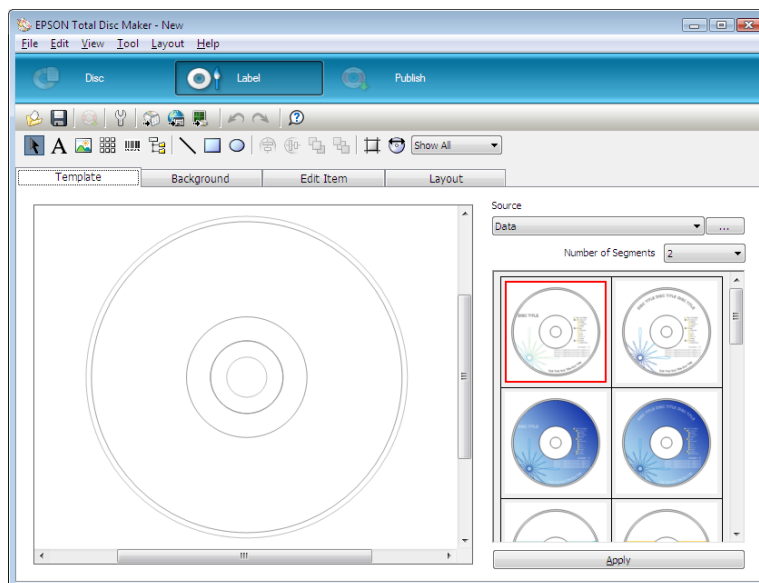
In the disc view, you can edit the data to write to the disc.



Label view

Clicking [Label] in the disc view or publish view displays the label view.

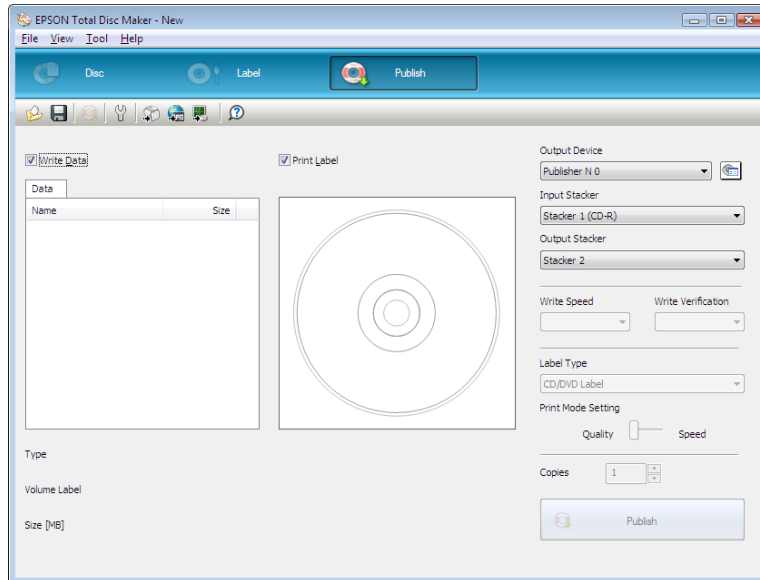
In the label view, you can edit the data for printing on the label surface of the disc.



Publish view

Clicking [Publish] in the disc view or label view displays the publish view.

In the publish view, you can publish the writing data and label to this product.




Displaying EPSON Total Disc Maker Help

EPSON Total Disc Maker Help contains the procedures for using and specifications of EPSON Total Disc Maker.

Click [Start] ( in Windows Vista) - [All Programs] (or [Programs]) - [EPSON Total Disc Maker] - [EPSON Total Disc Maker Help].

Notes

You can also display EPSON Total Disc Maker Help in the following ways:

- Start EPSON Total Disc Maker, and click  (Help) on the toolbar.
- Start EPSON Total Disc Maker, and press (F1).
- Start EPSON Total Disc Maker, and click (Help) on the (Help) menu.

EPSON Total Disc Setup

What is EPSON Total Disc Setup?

EPSON Total Disc Setup is software for registering the product to the computer. It also allows you to check the Publish Mode, stacker to be used, drive, etc., as well as the basic settings for publishing discs with this product.

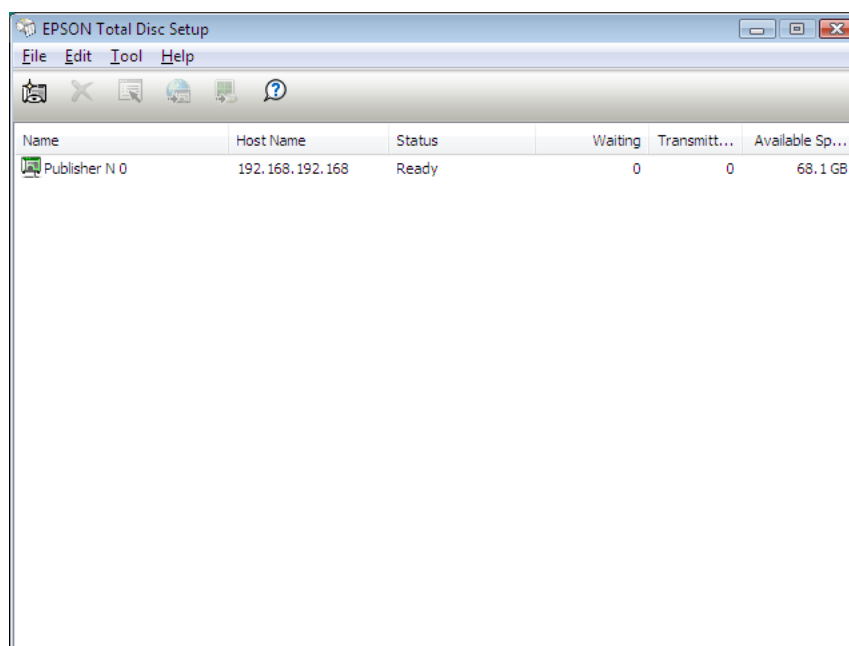
Starting EPSON Total Disc Setup

Notes

To use EPSON Total Disc Setup, you need to register this product after the installation. See page 33 in this guide, and then register this product.


Select [Start] ( in Windows Vista) - [All Programs] (or [Programs]) - [EPSON Total Disc Maker] - [EPSON Total Disc Setup].

EPSON Total Disc Setup starts.



Notes

You can also start EPSON Total Disc Setup in the following ways:

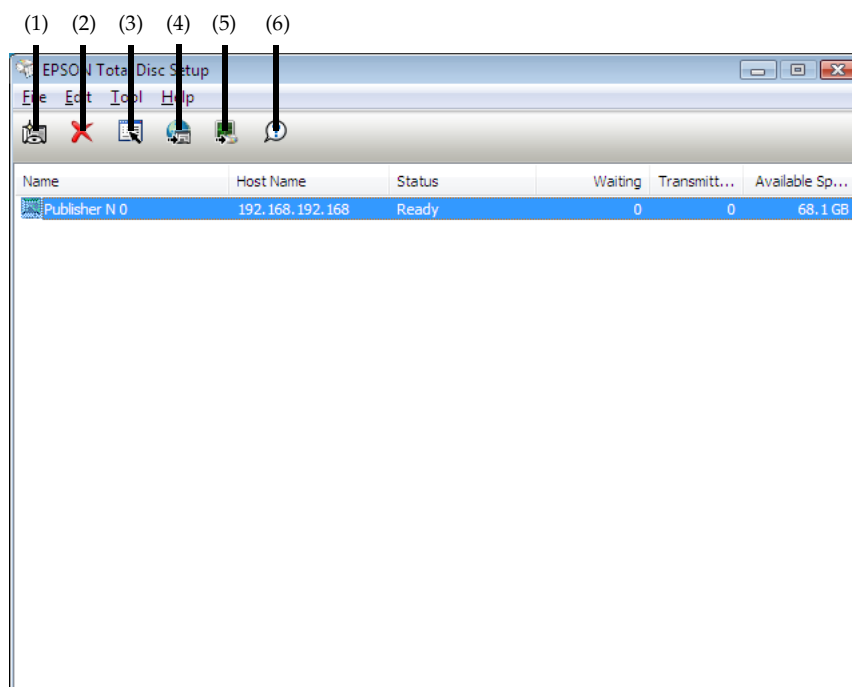
- Click  in EPSON Total Disc Maker.
- Click (Start Total Disc Setup) on the (Tools) menu in EPSON Total Disc Maker.

Screen configuration of EPSON Total Disc Setup

This section describes the screen configuration of EPSON Total Disc Maker.

See Help of EPSON Total Disc Setup for details on use.

Setup screen

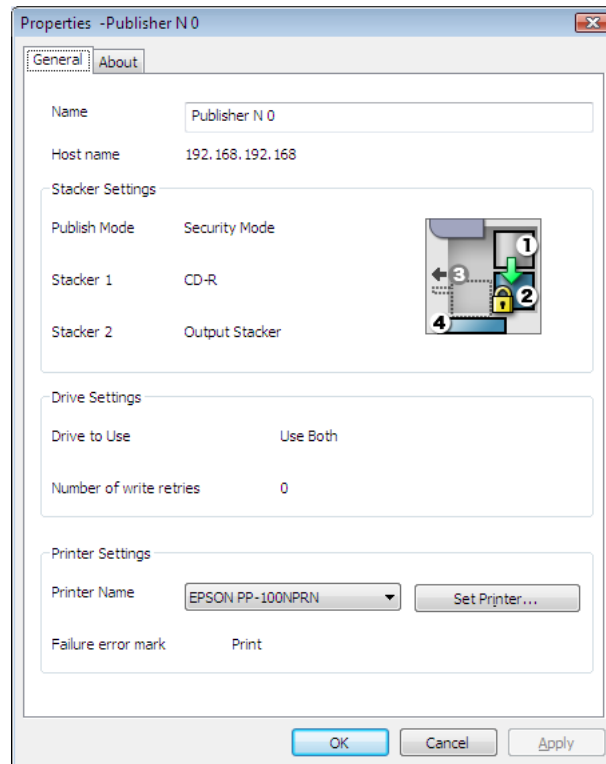


(1)	Add	Registers this product.
(2)	Remove	Deletes the registration for the selected product.
(3)	Properties	Displays the (Properties) screen for the selected product.
(4)	Start Total Disc Net Administrator	Starts EPSON Total Disc Net Administrator.
(5)	Start Total Disc Monitor	Starts EPSON Total Disc Monitor.
(6)	Help	Displays Help.
	Name	Displays the name of the product.
	Host name	Displays the host name or IP address of the product.
	Status	Displays the product status.
	Waiting	Displays the number of unfinished jobs.
	Transmitting	Displays the number of jobs being transmitted.
	Available Space	Displays the available space on the product's internal HDD.

(Properties) screen

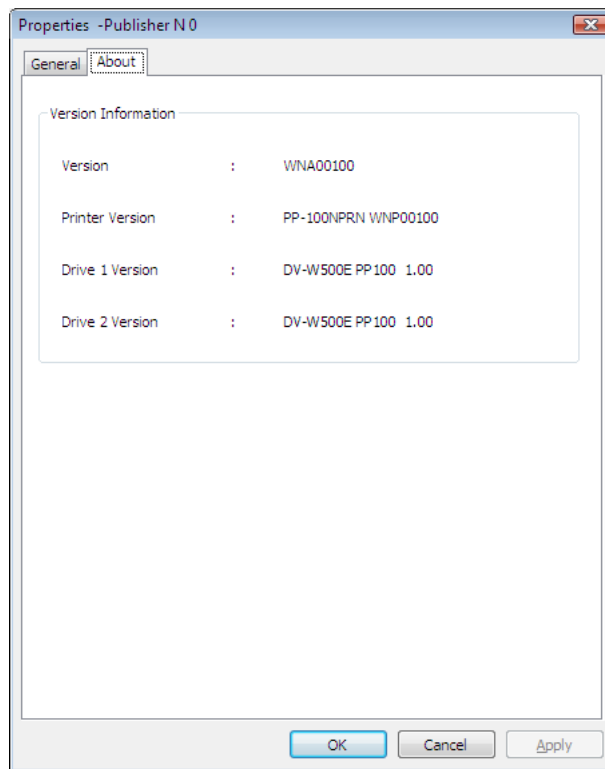
The [Properties] screen consists of a [General] tab and [Version Information] tab.

(General) screen



Item	Description
Name	Displays the name of the product. The name can also be changed here. Do not use Unicode characters.
Host name	Displays the host name or IP address of the product.
Stacker Settings	Allows you to check the settings for the Publish Mode and type of disc to load in the stacker.
Drive Settings	Allows you to check the settings for the drive to use.
Printer settings	If you select the product to use and then click (Printer settings), the (Main) screen of the printer driver appears.


(Version Information) screen



Item	Description
Version	Displays the firmware version of the product.
Printer Version	Displays the firmware version of the product's internal printer.
Drive 1 Version	Displays the firmware version of the product's internal CD/DVD Drive 1.
Drive 2 Version	Displays the firmware version of the product's internal CD/DVD Drive 2.

Displaying Help of EPSON Total Disc Setup

Help of EPSON Total Disc Setup contains the procedures for using and specifications of EPSON Total Disc Setup.

- 1 Start EPSON Total Disc Setup.
See “Starting EPSON Total Disc Setup” on page 45 in this guide for the start procedure.
- 2 Click  [Help] on the toolbar.

Notes

You can also display Help of EPSON Total Disc Setup in the following ways:

- Start EPSON Total Disc Setup, and press (F1).
- Start EPSON Total Disc Setup, and click (Help) on the (Help) menu.

EPSON Total Disc Monitor


What is EPSON Total Disc Monitor?

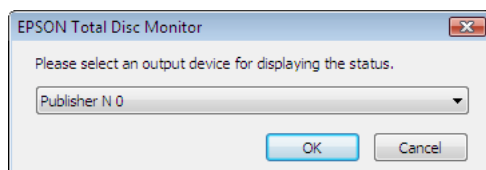
EPSON Total Disc Monitor is software for displaying the product's current status, remaining ink, job information, and other information.

Starting EPSON Total Disc Monitor

Notes

To start EPSON Total Disc Monitor, you need to register this product after the installation. See page 33 in this guide, and then register this product.


- 1 Click [Start] ( in Windows Vista) - [All Programs] (or [Programs]) - [EPSON Total Disc Maker] - [EPSON Total Disc Monitor].
- 2 When more than one unit is connected, select the product for which to display the status, and click [OK].



EPSON Total Disc Monitor starts.

Notes

You can also start EPSON Total Disc Monitor in the following ways:

- Click  in EPSON Total Disc Maker/EPSON Total Disc Setup.
- Click (Start Total Disc Monitor) on the (Tools) menu in EPSON Total Disc Maker/EPSON Total Disc Setup.

Screen configuration of EPSON Total Disc Monitor

This section describes the screen configuration of EPSON Total Disc Monitor.

See Help of EPSON Total Disc Monitor for details on use.



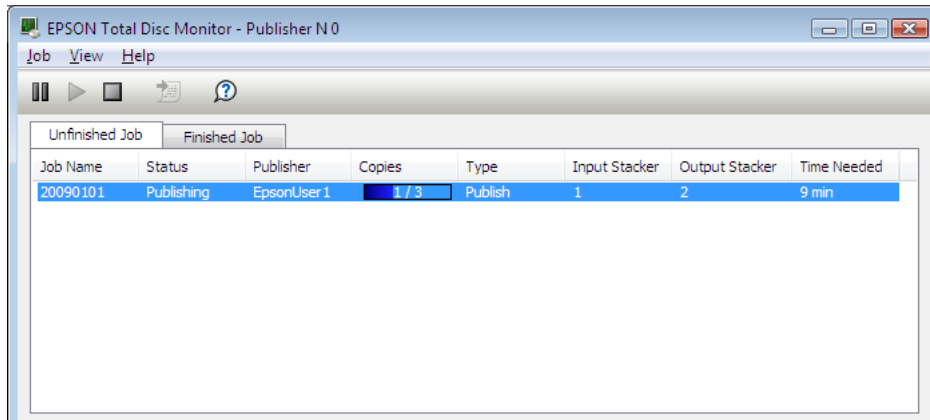
(1)	Pause	Pauses the selected job.
(2)	Resume	Resumes the selected job.
(3)	Cancel	Cancels the selected job.
(4)	Finished job details	Displays the selected finished job details.
(5)	Help	Displays Help.
(6)	Device status	Displays the product's status or the content and message of an error.
(7)	Ink status	Displays the remaining ink.
(8)	Printer status	Displays the printer status.
(9)	CD/DVD drive status	Displays the CD/DVD drive status.
(10)	Stacker status	Displays the stacker status.

Notes

The number of printable labels is an estimate of how many more the same type of labels as last time can be printed. This value may differ slightly from the actual value due to factors such as the printing data and printing environment. Values up to 1000 are displayed as "1000 or more", and quantities less than 1000 discs are displayed in 10-disc units.

(Unfinished Job) screen

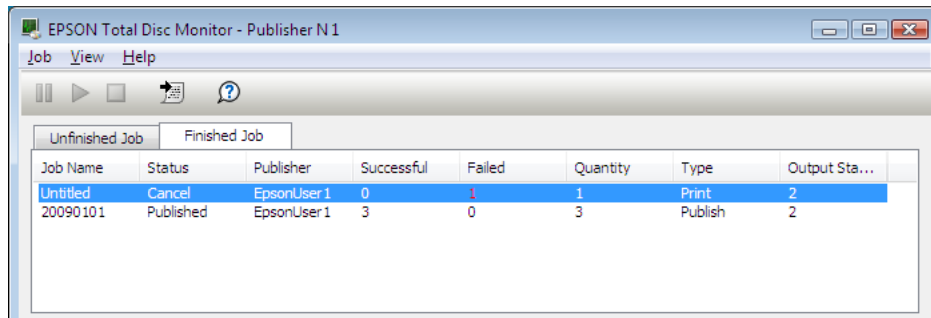
The [Unfinished Job] screen displays information on jobs with the status of Waiting, Publishing, Paused, Pausing, Canceling, Standby, or Recovering state. However, in the Security mode, jobs not approved in the approval workflow (see page 101 in this guide) are not displayed.



Item	Description
Job Name	Displays the job name. The job name is set automatically from, for example, the volume label of writing data registered with EPSON Total Disc Maker.
Status	Displays the job status.
Publisher	Displays the publisher of the job.
Copies	Displays the number of discs published normally / the total number of discs to be published.
Type	Displays a job type such as Print, Write, or Publish (print and write).
Input Stacker	Displays Stacker 1.
Output Stacker	Displays Stacker 2.
Time Needed	Displays the estimated time for the period from the start to end of job processing.

(Finished Job) screen


The [Finished Job] screen displays information on jobs for which publishing is finished.



Item	Description
Job Name	Displays the job name.
Status	Displays the status when the job finished.
Publisher	Displays the publisher of the job.
Successful	Displays the number of discs for which printing, writing, publishing, or the like was successful.
Failed	Displays the number of discs for which printing, writing, publishing, or the like failed.
Quantity	Displays the number of discs specified to be created.
Type	Displays the job type.
Output Stacker	Displays Stacker 2.

Displaying Help of EPSON Total Disc Monitor

Help of EPSON Total Disc Monitor contains the procedures for using and specifications of EPSON Total Disc Monitor.

- 1 Start EPSON Total Disc Monitor.
See “Starting EPSON Total Disc Monitor” on page 50 in this guide for the start procedure.
- 2 Click  [Help] on the toolbar.

Notes

You can also display Help of EPSON Total Disc Monitor in the following ways:

- Start EPSON Total Disc Monitor, and press (F1).
- Start EPSON Total Disc Monitor, and click (Help) on the (Help) menu.

EPSON Total Disc Net Administrator

What is EPSON Total Disc Net Administrator?

EPSON Total Disc Net Administrator is an internal Web application of this product for performing tasks such as managing jobs, users, and data for maintenance, approval workflows, and creating certificates.

EPSON Total Disc Net Administrator displays different screens and functions depending on the authority of user logged in.


Logging in to EPSON Total Disc Net Administrator

- 1 Turn the product on.
- 2 Enter any of the product's IP address, host name, and FQDN in the address bar of Internet Explorer.

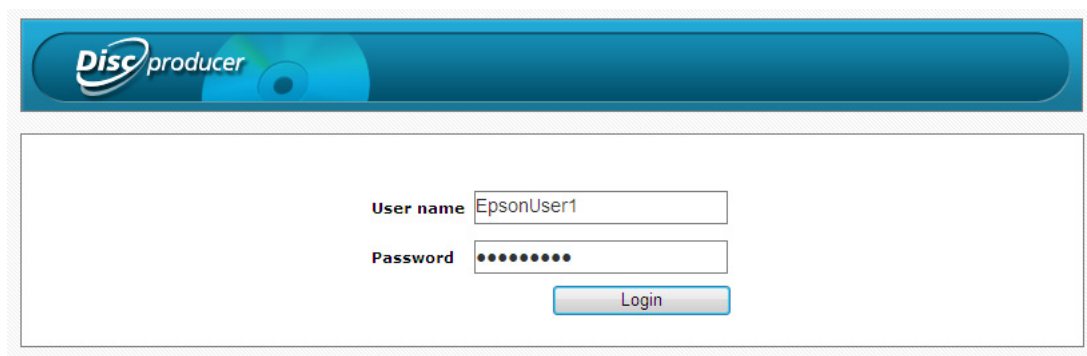
Example: When the product's IP address is 192. 168. 192. 168: <https://192.168.192.168>

Notes

You can also start EPSON Total Disc Net Administrator in the following ways:

- Click  in EPSON Total Disc Maker/EPSON Total Disc Setup.
- Click (Start Total Disc Net Administrator) on the (Tools) menu in EPSON Total Disc Maker/EPSON Total Disc Setup.
- If notification email transmission is set by the administrator, click the URL in the email sent from EPSON Total Disc Net Administrator.

- 3 Enter the user name and password, and click [Login].



The screenshot shows the login interface for the EPSON Total Disc Net Administrator. At the top, there is a blue header with the 'Disc producer' logo. Below the header, there is a white box containing the login form. The form has two input fields: 'User name' with the text 'EpsonUser1' and 'Password' with ten dots. A 'Login' button is positioned below the password field.



- The first time you log in, confirm the user name and password with the administrator. After you log in, change your password and PIN first. (See “Changing password and PIN” on page 38 in this guide for the procedure to change your password.)
- Manage the password so that it cannot be used by anyone other than you.
- If you are using the AutoComplete feature of Internet Explorer, take sufficient care to ensure your PC is not used by a third person.
- If you enter the wrong password three times in a row, the user account is locked and the password can no longer be used. (If notification email transmission is set by the administrator, an email is sent to notify the administrator that the user account is locked.) In such a case, the administrator will unlock the user account. Alternatively, the lock is automatically unlocked after six hours elapsed for an administrator account, and after one hour elapses for an account other than an administrator account.

Logging out from EPSON Total Disc Net Administrator



Do not leave your PC unattended while you are still logged in. Log out each time you finish work in EPSON Total Disc Net Administrator.

Click [Logout] in the upper right of the screen.



Screen configuration of EPSON Total Disc Net Administrator

This section describes the screen configuration of EPSON Total Disc Net Administrator.

See Help of EPSON Total Disc Net Administrator for details on use.

(Job management) screen

The [Job management] screen displays the jobs published by the currently logged in user. In the Security Mode, if the currently logged in user is an approver, the jobs approved or scheduled to be approved by the currently logged in user are also displayed. If the currently logged in user is an administrator, all jobs published to this product are displayed. If you use search options, a job list of the search results is displayed in accordance with the conditions specified.

Click [Details] to display the [Job details] screen.

Job status list

Search options

Search target: Date published | Date: December 3, 2008 | Status: All | Search

	Date published	Job name	Status	Publisher	
Details	Dec 3, 2008	DVD_Video	Publishing	EpsonUser1	
Details	Dec 3, 2008	sample_data	Completed	EpsonUser1	
Details	Dec 2, 2008	20090101	Completed	EpsonUser1	

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Jobs that can be republished: 1

(Job details) screen

The [Job details] screen displays details on Jobs. You can use the job information of a finished disc to publish another disc with the same content. In the Security mode, you can also make an application for a job in the approval workflow (publisher), cancel a job (publisher/administrator), or approve/reject a job (approver).

Disc producer User name: EpsonUser1

Job management User information Maintenance Certificate [Back](#)

Job details

Disc information			Basic information													
Data			Job name	sample_data												
<table border="1"><thead><tr><th>Name</th><th>Size</th><th>Date Modified</th></tr></thead><tbody><tr><td>+ sample_data_1</td><td></td><td></td></tr><tr><td>+ sample_data_2</td><td></td><td></td></tr><tr><td>+ sample_data_3</td><td></td><td></td></tr></tbody></table>			Name	Size	Date Modified	+ sample_data_1			+ sample_data_2			+ sample_data_3			Publisher	EpsonUser1
Name	Size	Date Modified														
+ sample_data_1																
+ sample_data_2																
+ sample_data_3																
Disc type Data CD			Date published	Dec 3, 2008 16:29:29												
Size <input type="text" value="0"/> <input type="text" value="650 700"/> 11.1 MB			Last updated	Dec 3, 2008 16:32:41												
Approval workflow			Status	Completed												
Date of application	Dec 3, 2008 16:29:55		Publishing information													
Date of approval or denial	Dec 3, 2008 16:30:20		Job type	Publish												
Approved by	EpsonApprover1		Write verification	None												
Reason for application	<input type="text"/>		Write speed	40 X												
			Number of discs to be published	1 Disc(s)												
			Number of discs published	1 Disc(s)												
			Finished Job Details													
			Publishing was completed.													
			Distribution information													
			<input type="text"/>													

(User information)/(User management) screen

The [User information (User management)] screen displays the user information for the currently logged in user. If an administrator is logged in, the screen displays the information of all registered users.

Click [Change password] to display the [Change password] screen. Click [Edit] to display the [Edit user] screen.

<When a user other than an administrator is logged in>

The screenshot shows the 'Disc producer' interface with the user name 'EpsonUser1'. The 'User information' tab is selected, and the 'Change password' and 'Edit user' buttons are visible. The user information is displayed as follows:

User information	
User name	EpsonUser1
Full name	
Email address	
Authority	
Period of validity	30/05/2009
User number	9564980

<When an administrator is logged in>

The screenshot shows the 'Disc producer' interface with the user name 'EpsonAdmin1'. The 'User management' tab is selected, and the 'User registration' and 'User import' buttons are visible. The user list is displayed as follows:

User list						
		User name ▲	Full name	User number	Period of validity	Lock
Edit	Delete	EpsonAdmin1		2559030	May 30, 2009	
Edit	Delete	EpsonAdmin2		0090100	May 30, 2009	
Edit	Delete	EpsonApprover1		9570171	May 30, 2009	
Edit	Delete	EpsonApprover2		9582019	May 30, 2009	
Edit	Delete	EpsonUser1		9564980	May 30, 2009	
Edit	Delete	EpsonUser2		0092507	May 30, 2009	

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(Change password) screen

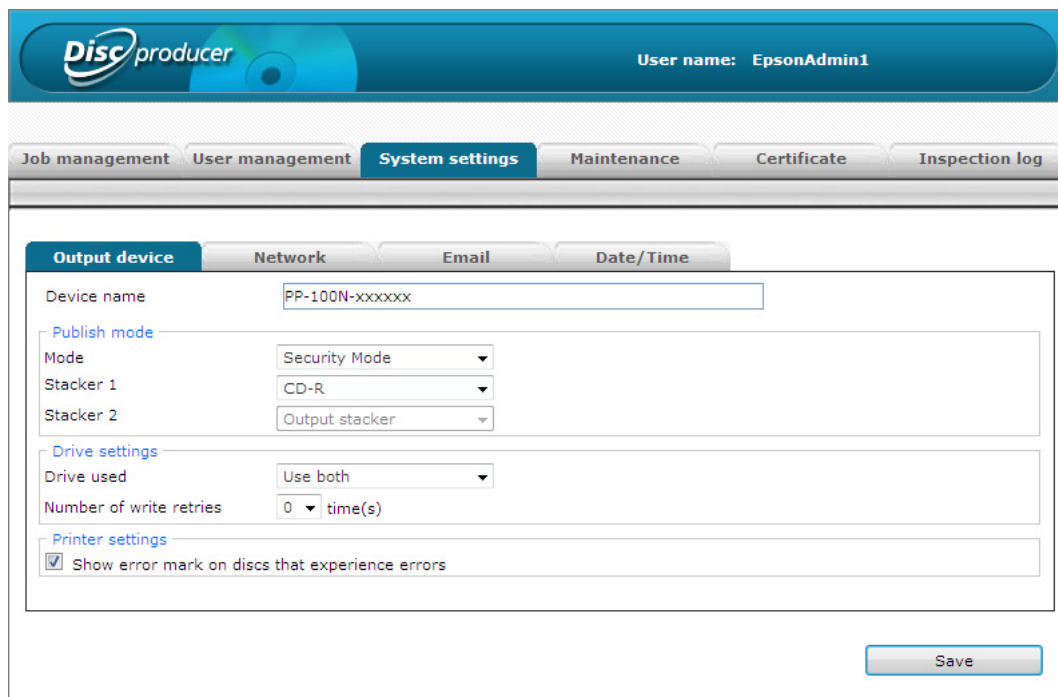
The [Change password] screen allows the password and PIN of the currently logged in user to be changed. If the currently logged in user is an administrator, the passwords and PINs of all registered users can be changed.

(Edit user) screen

The [Edit user] screen allows the full name and mail address of the currently logged in user to be edited. If the currently logged in user is an administrator, the full names, email addresses, and authorities of all registered users can be edited.

(System settings) screen (administrator only)

The [System settings] screen consists of the [Output device] tab, [Network] tab, [Email] tab, and [Date/Time] tab.



The screenshot shows the 'Disc producer' interface. At the top, the user name is 'EpsonAdmin1'. The main navigation bar includes 'Job management', 'User management', 'System settings' (selected), 'Maintenance', 'Certificate', and 'Inspection log'. The 'System settings' section has four sub-tabs: 'Output device' (selected), 'Network', 'Email', and 'Date/Time'. The 'Output device' tab contains the following settings:

- Device name: PP-100N-xxxxxx
- Publish mode:
 - Mode: Security Mode
 - Stacker 1: CD-R
 - Stacker 2: Output stacker
- Drive settings:
 - Drive used: Use both
 - Number of write retries: 0 time(s)
- Printer settings:
 - Show error mark on discs that experience errors

A 'Save' button is located at the bottom right of the settings area.

(Output device) screen

The [Output device] screen allows you to check and change the settings of this product such as the Publish Mode, drive, and adding of error marks.

(Network) screen

The [Network] screen allows you to check and change the product's network settings.

(Email) screen

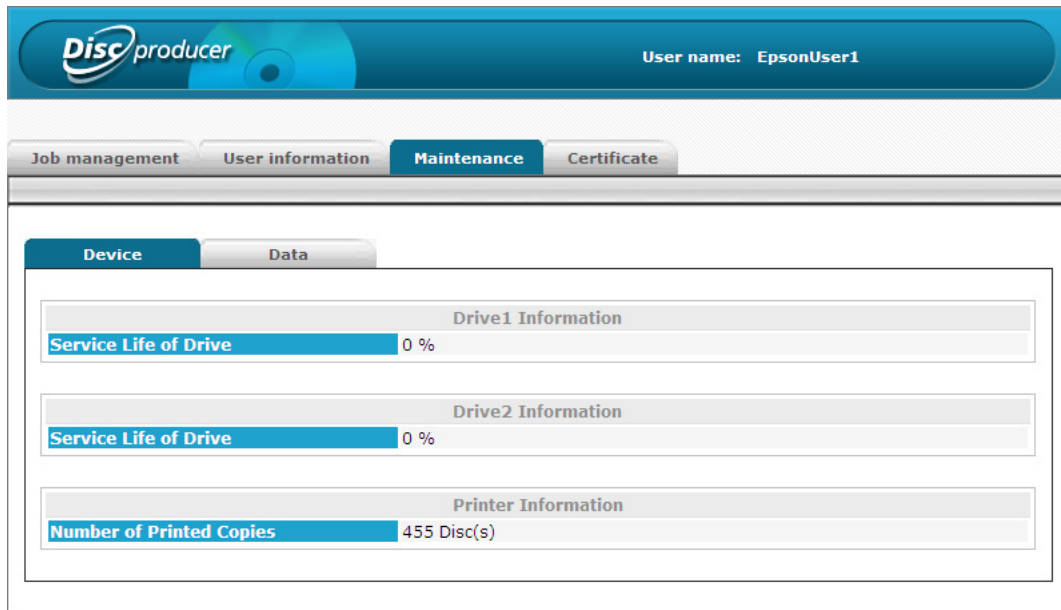
The [Email] screen allows you to set notification email transmission related to, for example, disc publishing and approval workflow.

(Date/Time) screen

The [Date/Time] screen allows you to set the product's internal clock.

(Maintenance) screen

The [Maintenance] screen consists of the [Device] tab and [Data] tab.



(Device) screen

The [Device] screen displays the product's drive usage status and the number of printed discs.

(Data) screen

Click [Download] in [Download operation log] to download information related to operation of the product. Use the operation log for maintenance and support.

If the currently logged in user is an administrator, data such as the product's setting information and job history can be backed up and restored. Furthermore, the product can be restored to the initial state.

(Certificate) screen

Click [Download] in the [Certificate] screen to download a CA certificate in the product. If the currently logged in user is an administrator, a CA certificate and server certificate can be created.

<When a user other than an administrator is logged in>

The screenshot shows the Disc producer web interface. At the top, the logo "Disc producer" is on the left and "User name: EpsonUser1" is on the right. Below the header is a navigation menu with tabs: "Job management", "User information", "Maintenance", and "Certificate". The "Certificate" tab is selected. The main content area contains a section titled "Download CA certificate" with a "Download" button below it.

<When an administrator is logged in>

The screenshot shows the Disc producer web interface for an administrator. At the top, the logo "Disc producer" is on the left and "User name: EpsonAdmin1" is on the right. Below the header is a navigation menu with tabs: "Job management", "User management", "System settings", "Maintenance", "Certificate", and "Inspection log". The "Certificate" tab is selected. The main content area contains a form titled "Certificate" with the following fields:

- Start of period of validity: Dec 9, 2008
- Period of validity: 5 Year(s)
- Country *
- Prefecture or state
- City, town, or village
- Organization *
- Department *
- Issue to *: 192.168.192.168

A note below the fields states "* are required fields." and there is an "Issue" button. Below the form are three sections:

- "Download CA certificate" with a "Download" button.
- "Download server certificate" with a "Download" button.
- "Upload server certificate" with a "File location" input field, a "Browse..." button, and an "Upload" button.

(Inspection log) screen (administrator only)

The [Inspection log] screen allows you to check events related to security that are recorded in the product. Inspection logs are useful for confirming whether or not there was a security breach, and analyzing the security breach. [Click [Download] to download an inspection log.

Disc producer User name: EpsonAdmin1

Job management User management System settings Maintenance Certificate **Inspection log**

Inspection log

Inspection log storage period Jun 8, 2008 ~ Dec 4, 2008

Date December 4 2008

Type	Date/Time	Details
	Dec 4, 2008 11:08:20	Start recording inspection log
	Dec 4, 2008 11:30:00	Identity authentication for Epson Total Disc Net Administrator failed (User name: EpsonUser1)
	Dec 4, 2008 11:30:40	Identity authentication for Epson Total Disc Net Administrator successful (User name: EpsonUser1)
	Dec 4, 2008 11:31:21	Disc cover lock opened
	Dec 4, 2008 11:31:32	Detected that disc cover is not locked.
	Dec 4, 2008 11:31:32	Detected disc cover lock in unlocked position.
	Dec 4, 2008 11:32:11	Identity authentication for Epson Total Disc Net Administrator successful (User name: EpsonAdmin1)

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Displaying Help of EPSON Total Disc Net Administrator

Help of EPSON Total Disc Net Administrator contains the procedures for using and specifications of EPSON Total Disc Net Administrator.

- 1 Start EPSON Total Disc Net Administrator.
See “Logging in to EPSON Total Disc Net Administrator” on page 55 in this guide for the start procedure.
- 2 Click [Help] in the top right.

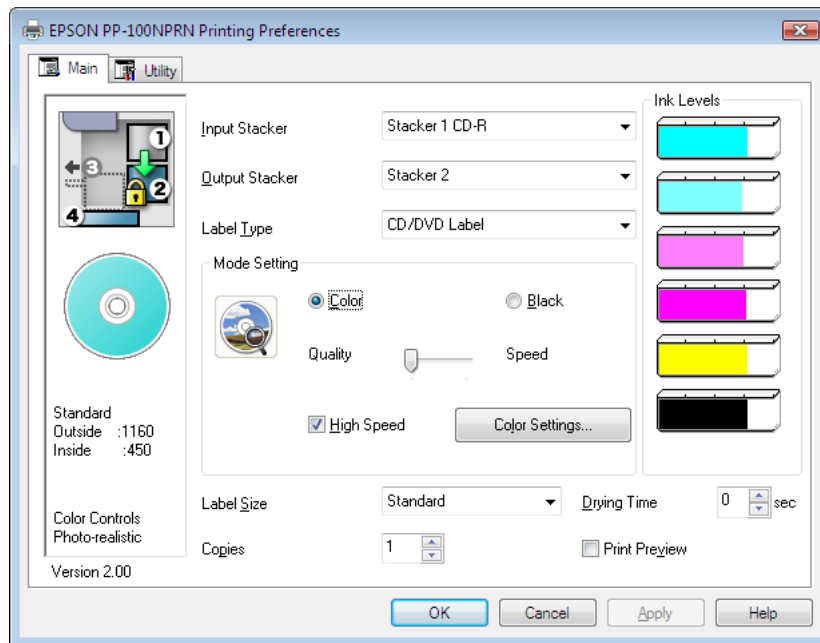


How to Use the Printer Driver

Displaying the printer driver screen

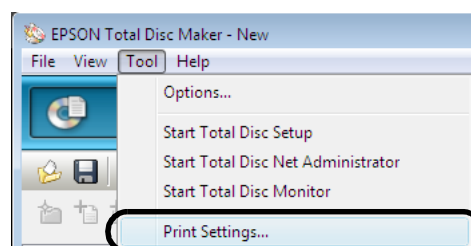
In the printer driver screen, you can change the printer driver settings and perform maintenance, such as running nozzle checks and cleaning the print head.

The printer driver screen can be displayed from EPSON Total Disc Maker, EPSON Total Disc Setup, and the [Start] menu.




Displaying from EPSON Total Disc Maker

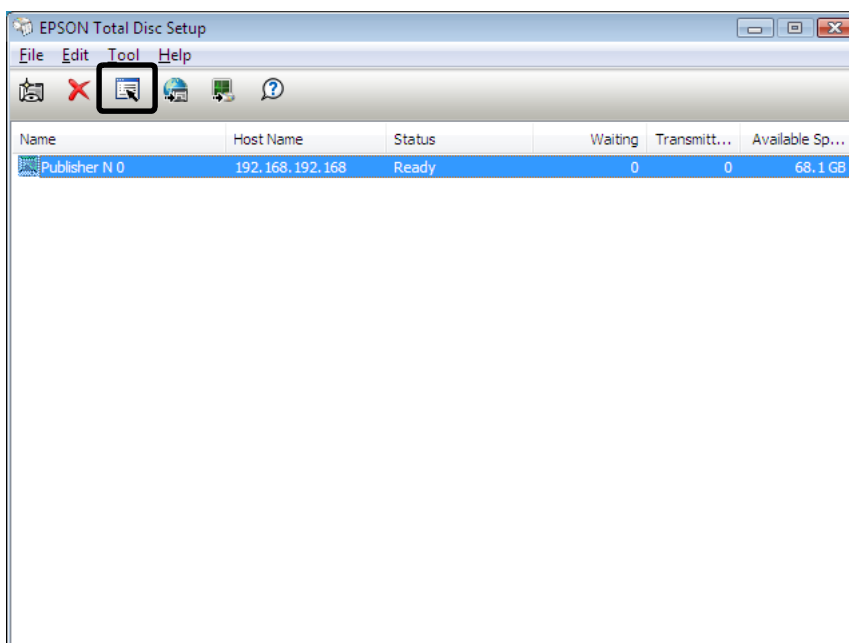
- 1 Start EPSON Total Disc Maker.
See "Starting EPSON Total Disc Maker" on page 42 in this guide for the start procedure.
- 2 Click [Print Settings] in the [Tool] menu.



The printer driver screen appears.

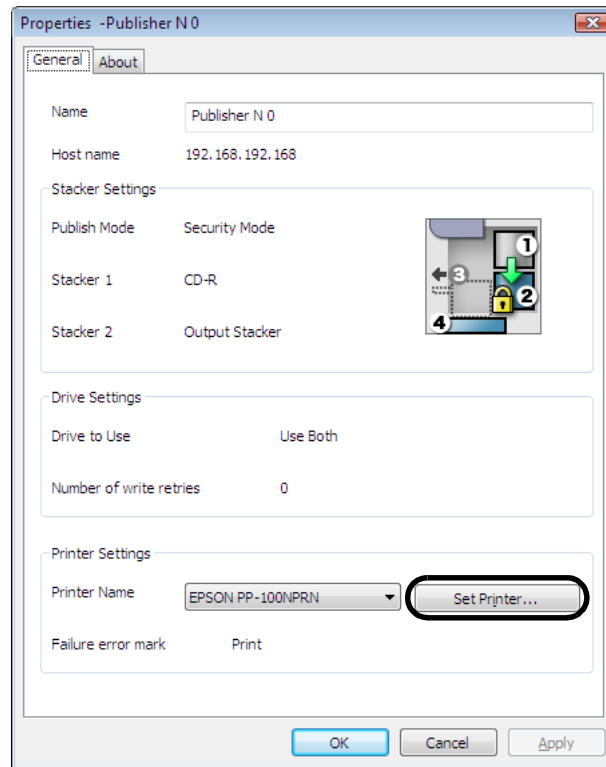
Displaying from EPSON Total Disc Setup

- 1 Start EPSON Total Disc Setup.
See “Starting EPSON Total Disc Setup” on page 45 in this guide for the start procedure.
- 2 Select this product, and click  [Properties].



Notes You can also display the properties screen by clicking (Properties) in the (Edit) menu.

3 Click [Set Printer].



The printer driver screen appears.

Displaying from the (Start) menu

- 1 Open [Printers and Faxes] (or [Printers]).

Windows Vista:

 Click [Start] - [Control Panel] - [Printers], in this order.

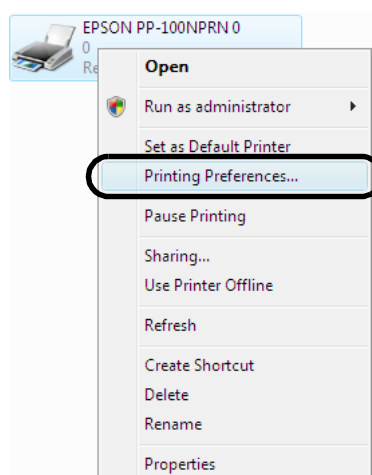
Windows XP:

In Windows XP Professional, click [Start] - [Printers and Faxes]. In Windows XP Home Edition, click [Start] - [Control Panel] - [Printers and Faxes], in this order.

Windows 2000:

Click [Start] - [Settings] - [Control Panel], in this order.

- 2 Right-click [EPSON PP-100NPRN], and click [Printing Preferences].



The printer driver screen appears.

Setting up the printer driver

(Main) screen

Make basic label printing settings in the [Main] screen.

If displayed from EPSON Total Disc Maker:

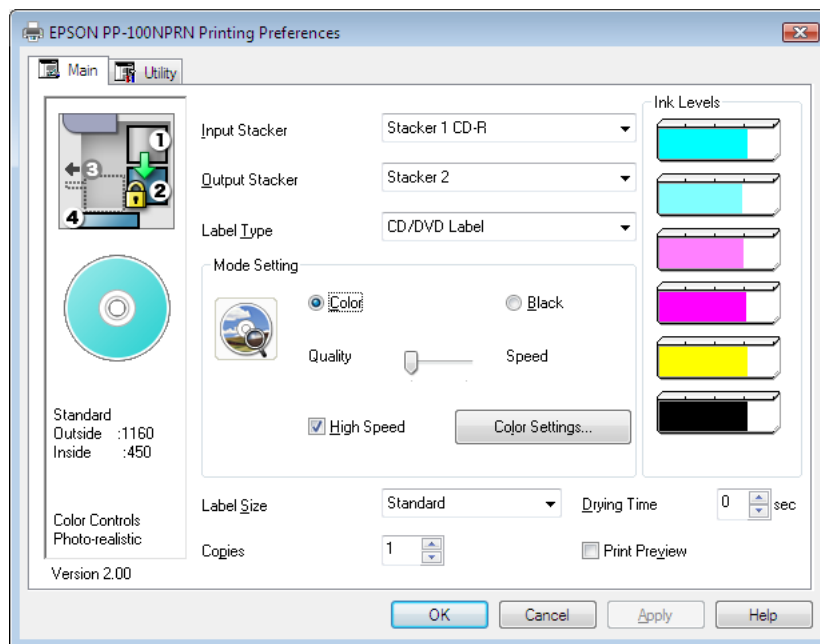
The settings are only reflected in EPSON Total Disc Maker. The settings are lost when you exit EPSON Total Disc Maker.

See “Displaying from EPSON Total Disc Maker” on page 65 in this guide for the printer driver displaying procedure.

If displayed from EPSON Total Disc Setup or the (Start) menu:

The information you set is saved as the printer driver settings, and after this, it is reflected in the EPSON Total Disc Maker settings.

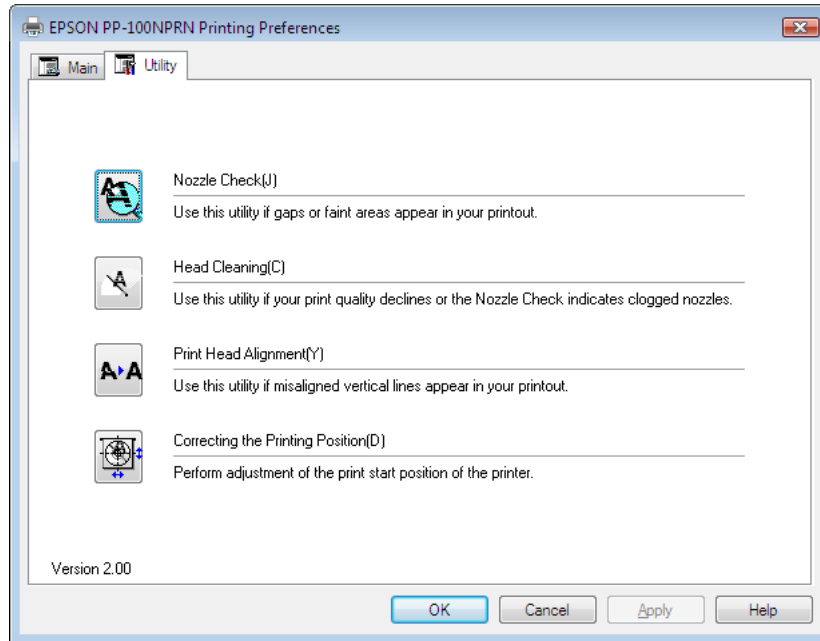
See “Displaying from EPSON Total Disc Setup” on page 66 in this guide or “Displaying from the [Start] menu” on page 68 in this guide for the printer driver displaying procedure.



Input Stacker	Stacker 1 is displayed.	
Output Stacker	Stacker 2 is displayed.	
Label Type	Allows you to select the type of disc label to be printed.	
Mode Setting	Color/Black	Select (Color) to print in color, and select (Black) for monochrome printing.
	Quality/ Speed	Quality: Print quality is the priority. Speed: Printing speed is the priority.
	High Speed (Bidirectional printing)	If you check this, the printing speed increases because it prints when the print head is moving either left or right. Uncheck this to print in a single direction, which improves the print quality. However, the printing speed slows down.
	Color Settings	Click this to display the (Color Settings) screen (see page 135 in this guide). Allows you to set the print colors.
Label Size	The settings are invalid in PIN Controlled Mode/Security Mode.	
Copies	Allows you to specify the number of copies to print.	
Ink Levels	Shows the approximate level of ink remaining in the ink cartridges.	
Drying Time	Allows you to set the time it takes to dry the ink on the discs in the printer tray after label printing is finished.	
Print Preview	The settings are invalid in PIN Controlled Mode/Security Mode.	

(Utility) screen

In the [Utility] screen, you can run various maintenance functions to maintain the print quality as well as make settings for running the printer driver.



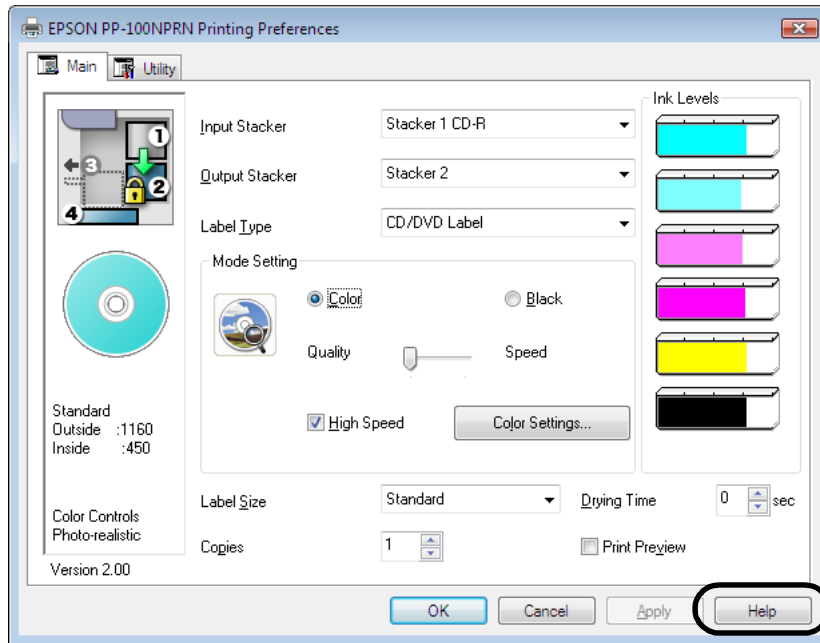
Nozzle Check	Allows you to print a pattern for checking if the print head is clogged. Check the printed pattern to see whether or not the print head is clogged. See "How to perform a nozzle check" on page 143 in this guide for details on how to use this function.
Head Cleaning	Allows you to clean the print head. Run this when the print head is clogged. See "How to clean the print head" on page 147 in this guide for details on how to use this function.
Print Head Alignment	Adjusts the alignment when the printing results show gaps in vertical lines or appear blurry. See "Print head alignment" on page 149 in this guide for details on how to use this function.
Correcting the Printing Position	Allows you to adjust the printing position up, down, left, or right. Run this if you have checked the printing results on your CD/DVD and found that the printing position has shifted. See "Correcting the printing position" on page 151 in this guide for details on how to use this function.

Displaying the printer driver Help

This section describes how to display the printer driver Help.

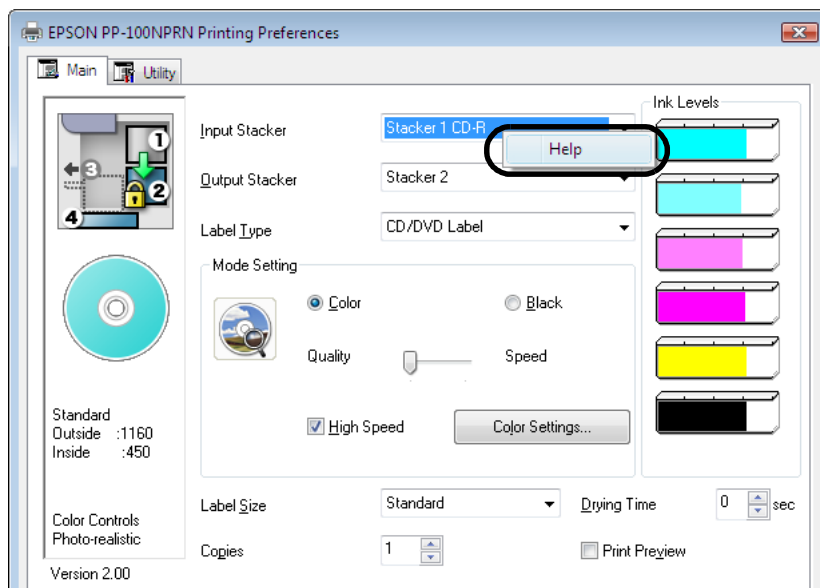
How to display the EPSON printer driver Help

Click the [Help] button.



How to display an explanation of an option

To display an explanation of an option, right-click over the option you want to know about, and click the Help button.



Publishing Discs

Compatible disc types

Printable disc and writable disc types differ. When using this product for both printing and writing, use discs that are compatible with both.

Printable disc types

The product can print on 12-cm CD/DVD discs that support using an inkjet color printer to print on the label surface*.

* Discs for which “printable label surface,” “inkjet printer compatible,” or the like is specified in the instructions for the discs.



- The product supports discs for inkjet printers. It does not support discs for thermal transfer printers.
- Coated discs other than EPSON specified CDs/DVDs are not supported.
- 80-mm discs are not supported.
- Do not use discs that have lens cleaner, CD/DVD labels or stickers, or condensation on them. Doing so may result in a malfunction or failure.
- Do not use a cracked, warped, or deformed disc. The disc may break into pieces inside the product, resulting in a malfunction, or an injury when the disc is taken out.
- With some discs, ink may get on the recording surface if the discs are stacked immediately after printing. We recommend using a disc you do not need to do a test print to check the print quality. Wait at least 24 hours before checking the color.
- With some discs, the printing position may be shifted. Perform the print head alignment and the printing position correction. See “(Utility) screen” on page 71 in this guide for details on print head alignment and printing position correction.
- If you use discs with a small stack ring (concentric circular projection), the discs may stick to each other before or after printing.
- Even if the same data is printed on identical discs, the same print results may not be able to be achieved because of the individual differences (variations) of each disc.

Notes

Disc quality may affect print quality. We recommend using EPSON specified CDs/DVDs. Epson offers specified CD-R and DVD-R discs for all your printing needs.

Writable disc types

The product can write the following types of disc.

Type	Capacity	Characteristics
CD-R	650/700 MB	The rewriting and deleting of data is not possible once data has been written.
DVD-R	4.7 GB (single sided, single layer)	The rewriting and deleting of data is not possible once data has been written. This is a standard DVD defined by the DVD Forum.
DVD+R	4.7 GB (single sided, single layer)	The rewriting and deleting of data is not possible once data has been written. This is a standard DVD defined by the DVD+RW Alliance.
DVD-R DL	8.5 GB (single sided, double layer)	The rewriting and deleting of data is not possible once data has been written. This disc allows double-layer recording on a single side. This increases the capacity, thus enabling recording for a long time or recording of high-quality video. This is a standard DVD defined by the DVD Forum.
DVD+R DL	8.5 GB (single sided, double layer)	The rewriting and deleting of data is not possible once data has been written. This disc allows double-layer recording on a single side. This increases the capacity, thus enabling recording for a long time or recording of high-quality video. This is a standard DVD defined by the DVD+RW Alliance.



- 80-mm discs are not supported.
- Do not use discs that have lens cleaner, CD/DVD labels or stickers, or condensation on them. Doing so may result in a malfunction or failure.
- Do not use a cracked, warped, or deformed disc. The disc may break into pieces inside the product, resulting in a malfunction, or an injury when the disc is taken out.
- Writing (reading) may not be performed properly if a disc has a slight scratch or is dirty. Be sufficiently careful when handling discs.
- Depending on the discs used, writing may not be able to be performed properly at the speed recommended for the disc. If this happens, write at a slower speed. In particular, we recommend writing to DVD±R DL at a slow speed.

Notes

- Disc quality may affect write quality. We recommend using EPSON specified CDs/DVDs. Epson offers the specified CD-R and DVD-R discs for all your printing needs.
- See EPSON Total Disc Maker Help for details on writable disc types.

Handling discs

Notes on usage



- Do not touch the recording surface when holding a disc.
- Handle discs carefully to ensure fingerprints, dirt, dust, moisture, scratches, etc., do not get on the label surface and recording surface. Gently wipe off any dust, dirt, and the like with a soft dry cloth or a commercially available CD cleaner. Do not use benzene, thinner, or antistatic agents.
- Do not drop a disc, or subject it to an impact.
- Do not apply excessive force by, for example, pinching with a clip or bending.
- Do not attach an adhesive sticker to a disc. Doing so may result in writing, printing, or playing no longer being possible.
- Do not use discs in a place where lots of dirt and dust are present.
- If writing and printing are performed separately, we recommended performing writing before printing.
- Leaving discs stacked may result in them sticking to each other.
- Directly touching or getting moisture on the printing surface immediately after printing may result in blurring.
- Let discs dry sufficiently after printing. However, let them dry naturally. Do not use a dryer or other means.
- Text can only be written on the printing surface. When writing, use a felt tipped pen or other writing instrument with a soft tip. Do not use a ballpoint pen, pencil, or other writing instrument with a hard tip. Also, do not attempt to erase text once it has been written.
- Do not use a disc printed with this product in an auto loading mechanism, a drive with a holding mechanism that has diameter of 33 mm or more, or an in-car drive. Also, do not leave a disc in equipment for a long period of time.
- A published disc may not be able to be recognized if it is incompatible with the drive or player.

Notes on storage



- Do not place discs in a location where they will be subject to high temperature and humidity such as locations under direct sunlight, near heating equipment.
- Do not place discs in locations where temperatures vary greatly. Doing so may result in condensation.
- Do not place an object on a disc.
- When storing discs, keep them in their disc cases and take care that film, card, or other material does not touch the printing surface. Such materials may scratch the printing surface.
- Do not store discs in soft cases or bags which may touch the printing surface directly. Doing so may result in discs sticking, uneven color, or discoloration.
- Do not store discs with part of the printing surface covered. Doing so may cause uneven color or discoloration.
- Back up (copy) important data just in case. When storing data for a long period of time, we recommend backing it up periodically.


Notes

See the handling instructions of the discs for other handling procedures and precautions for discs.

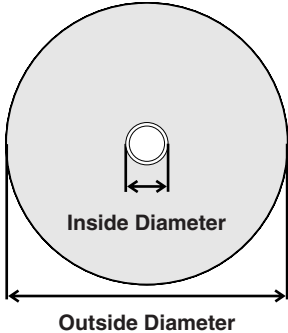
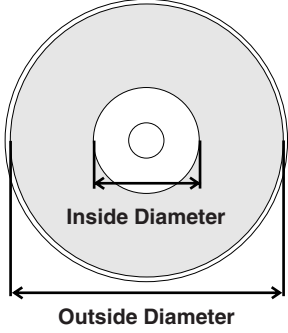
Printable area

The printable area is the area of the label surface on which printing is possible.


The printable area and recommended print area are shown in the table below. Printing will be done in the gray area in the figure below.



- Printing outside of the recommended print area may result in the discs or tray becoming dirty, peeling off or blurring of the print, or discs sticking together.
- If you print outside of the printing range (ink absorbing layer) of the discs you are using, the ink printed outside the printing area will not fix. Check the label print range of the discs you are using before configuring the setting.

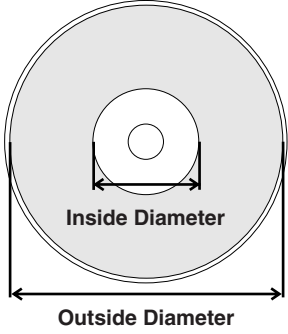
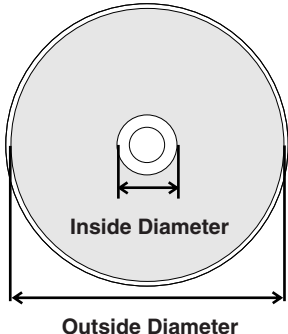
Printable area		Recommended print area	
			
Inside diameter	Outside diameter	Inside diameter	Outside diameter
18.0 mm	119.4 mm	45.0 mm	116.0 mm

Set the print area in [Set Inside/Outside Diameter] of EPSON Total Disc Maker. Select from [Standard] and [Wide], or set an optional size. (See “Changing the print area” on page 78 in this guide for how to set an optional size.)



Printing with (Wide) is only performed when the label type is set to (EPSON Specified CD/DVD Label).

The print areas of [Standard] and [Wide] are shown in the table below. Printing will be done in the gray area in the figure below.

Standard		Wide	
			
Inside diameter	Outside diameter	Inside diameter	Outside diameter
45.0 mm	116.0 mm	25.5 mm	116.0 mm


Changing the print area

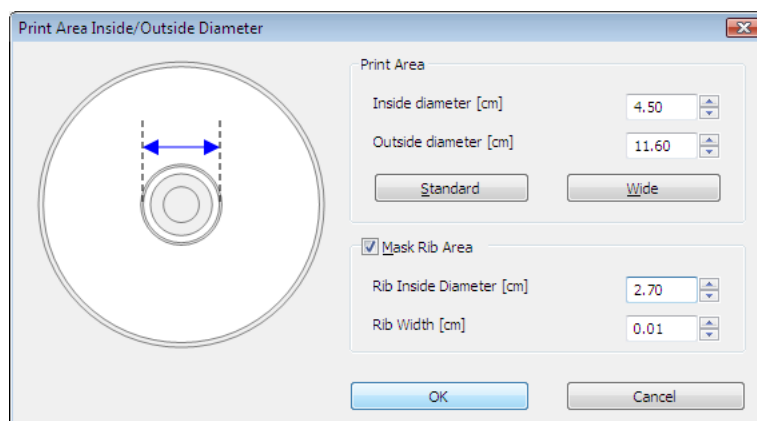
Changing the print area setting allows you to print the label at a size other than standard and wide.



Printing within an inside diameter of 45 mm is only performed when the label type is set to (EPSON Specified CD/DVD Label).

Use the following procedure to set an optional print area.

- 1 Start EPSON Total Disc Maker.
See “Starting EPSON Total Disc Maker” on page 42 in this guide for the start procedure.
- 2 Click [Label].
The label view appears.
- 3 Click  [Set Inside/Outside Diameter] on the toolbar.
The [Print Area Inside/Outside Diameter] dialog box appears.



- 4 Set the inside and outside diameters of the print area, and the rib area.

Setting item	Description
Inside Diameter	Set the inside diameter of the label. You can set a value within the range of 1.80 to 5.00.
Outside Diameter	Set the outside diameter of the label. You can set a value within the range of 7.00 to 11.94.
Mask Rib Area	Select this to mask the rib area. Rib refers to the protruding section of the disc inside circumference. Masking the rib area enables you to prevent ink running onto the rib when a printed disc and rib touch in the output stacker.
Rib Inside Diameter	Set the inside diameter of the rib area. You can set a value within the range of 2.70 to 5.00.
Rib Width	Set the width of the rib area. You can set a value within the range of 0.01 to 1.15.



- Before printing, check that the set print area does not exceed the print area of the discs you are using.
- Printing on the stack ring (concentric circular projection) portion may result in uneven coloring.
- Printing on the stack ring (concentric circular projection) portion may result in ink getting on the discs, peeling off, or discs sticking together after printing.

5 Click [OK].

The set inside and outside diameters are reflected in the edit area.

Flow for publishing discs

This section describes how to publish discs with EPSON Total Disc Maker.

See “Screen configuration of EPSON Total Disc Maker” on page 43 in this guide for the screen configuration of EPSON Total Disc Maker.

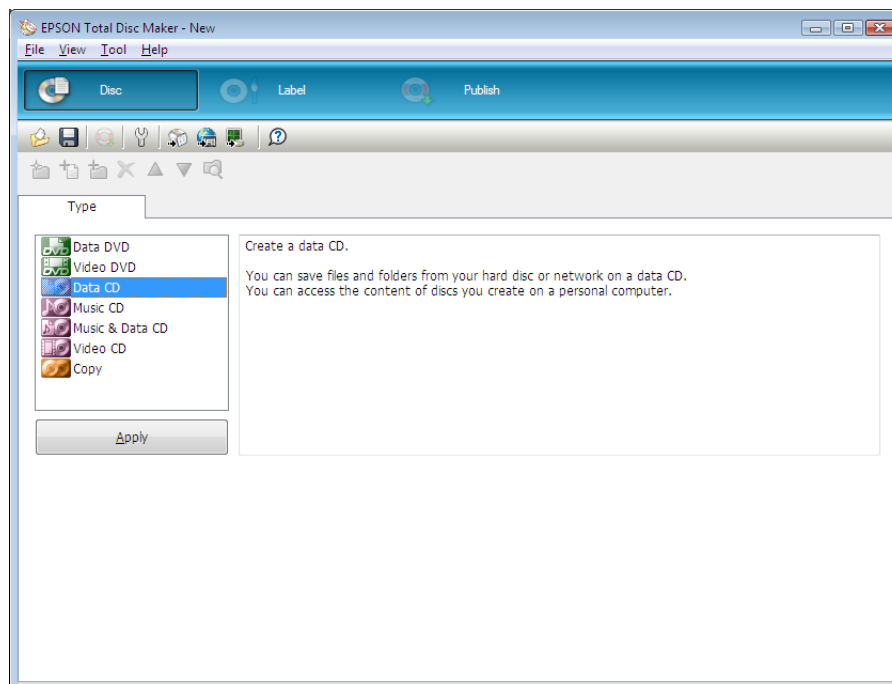
Registering write data

Register write data in the disc view of EPSON Total Disc Maker.

Notes There is no need to register write data if you only want to print disc labels.

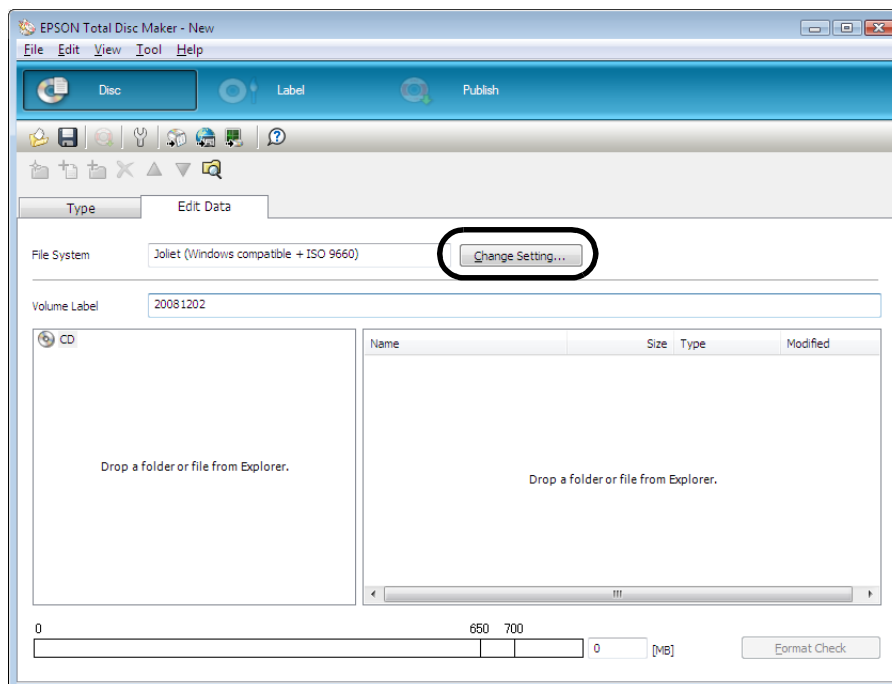
This section describes an example of the procedure to publish photo data CDs.

- 1 Start EPSON Total Disc Maker.
See “Starting EPSON Total Disc Maker” on page 42 in this guide for the start procedure.
The disc view appears.
- 2 Select [Data CD] for [Type], and click [Apply].

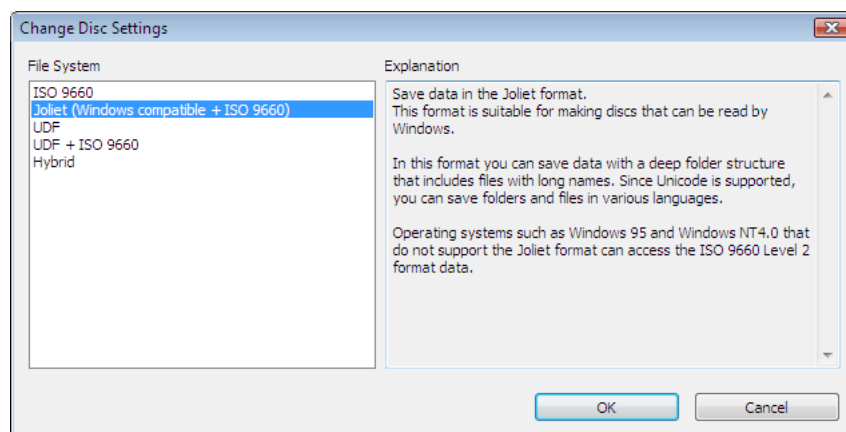


If the disc type you want to publish differs from that set for the input stacker, ask the administrator to change the disc type of the input stacker.

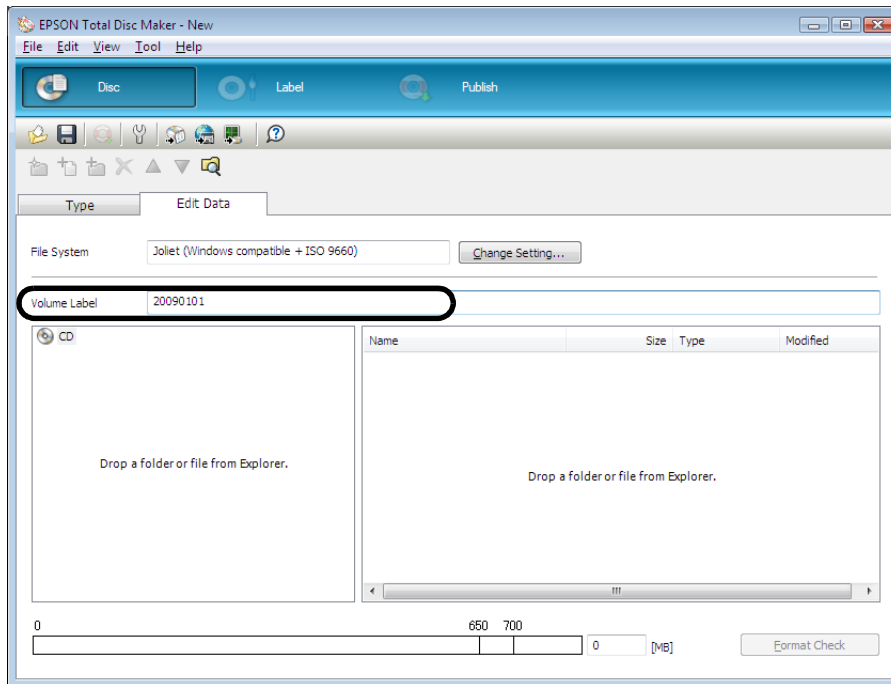
3 Click [Change Setting].



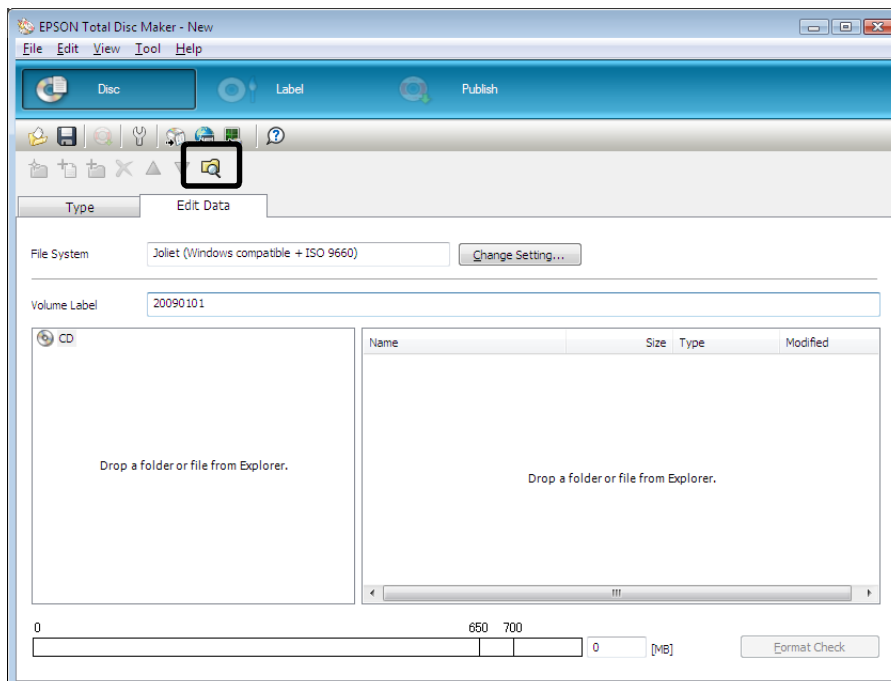
4 Select [File system], and click [OK]. In this example, [Joliet (Windows compatible + ISO 9660)] is selected.



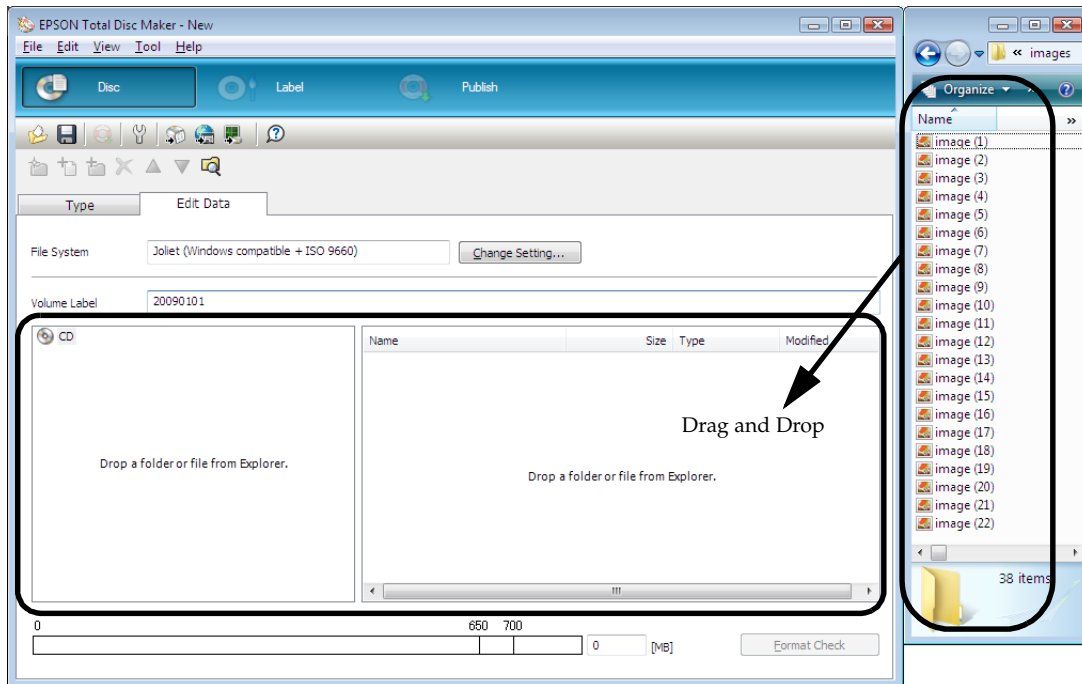
- 5 Enter any name for [Volume Label].
In this example, we enter [20090101].



- 6 Click  [Start Explorer].



7 Drag and drop any image data to write to the CD from Explorer.



The data that you drag and drop appears in the data list.

Notes

- If you changed data after it was registered, click (Format Check).
- When the registered data does not comply with the restrictions of the selected file system, the (File System Restrictions) dialog box appears. Furthermore, depending on the added data, the (File System Restrictions) dialog box may appear before you click (Format Check). See EPSON Total Disc Maker Help for details on file system restrictions.
- If you click (Create Disc Image) of the (File) menu after registering the write data, the registered data is saved as a disc image file. A disc image file is used when creating CD/DVD copies of the registered data. See "Creating copies from disc image files" on page 127 in this guide for the procedure to create CD/DVD copies.

The registration of write data is now finished.

Next, create a label.

Creating labels

Create a label design in the label view of EPSON Total Disc Maker.

Notes There is no need to create a label if you only want to write data to discs.

In the label view, an image of the print results of the label appears. You can edit the label while checking the image of the print results.

Selecting a template

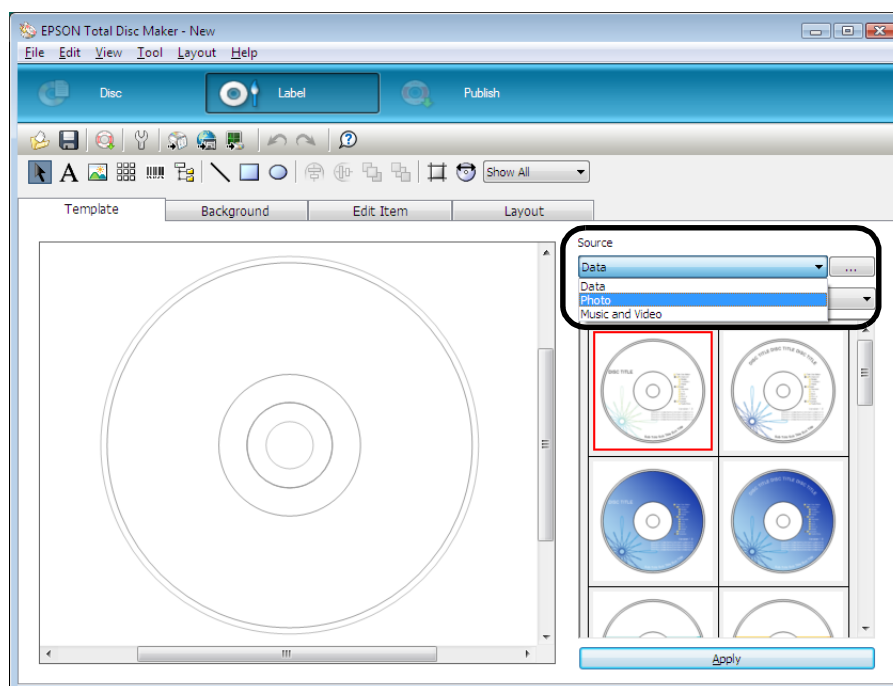
EPSON Total Disc Maker is provided with various types of template. Using templates allows you to easily create labels with sophisticated designs.

In the [Template] screen, you can select a template from [Data], [Photo], and [Music and Video] in accordance with the type of data to write.

Notes If you save the created data as a template, you can also select that template. See "Creating label templates" on page 124 in this guide for the procedure to create templates.

In this example, we use a template for photos.

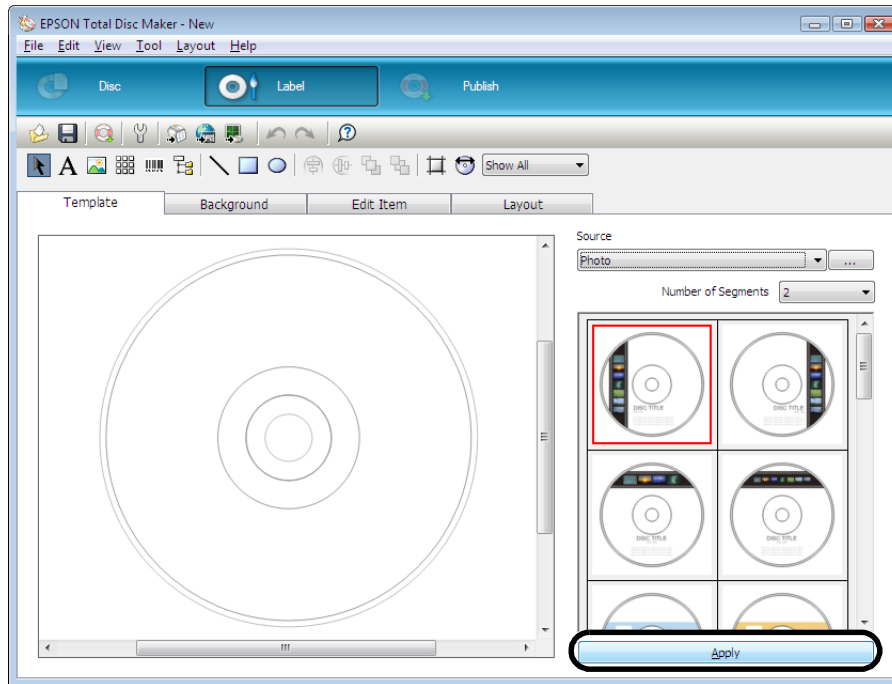
- 1 Click [Label].
The label view appears.
- 2 Select [Source]. To use a template you created, click , and specify the folder in which the template is stored.
In this example, we select [Photo].



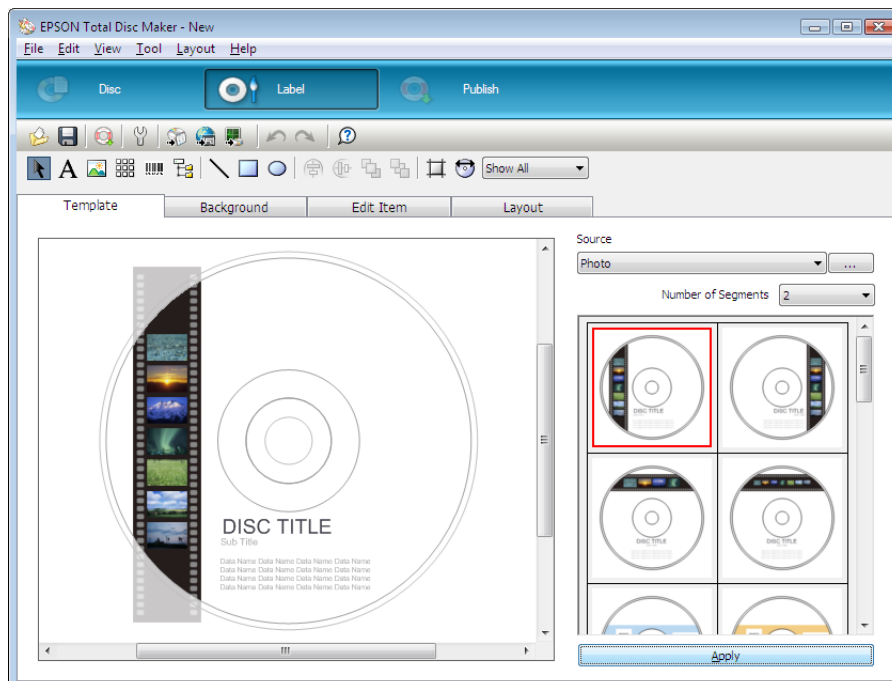
3 Select the template to use, and click [Apply].

In this example, we use the image in the top left of the screen.

Check that the image in the top left of the thumbnail screen is selected, and click [Apply].



A print image of the template appears.

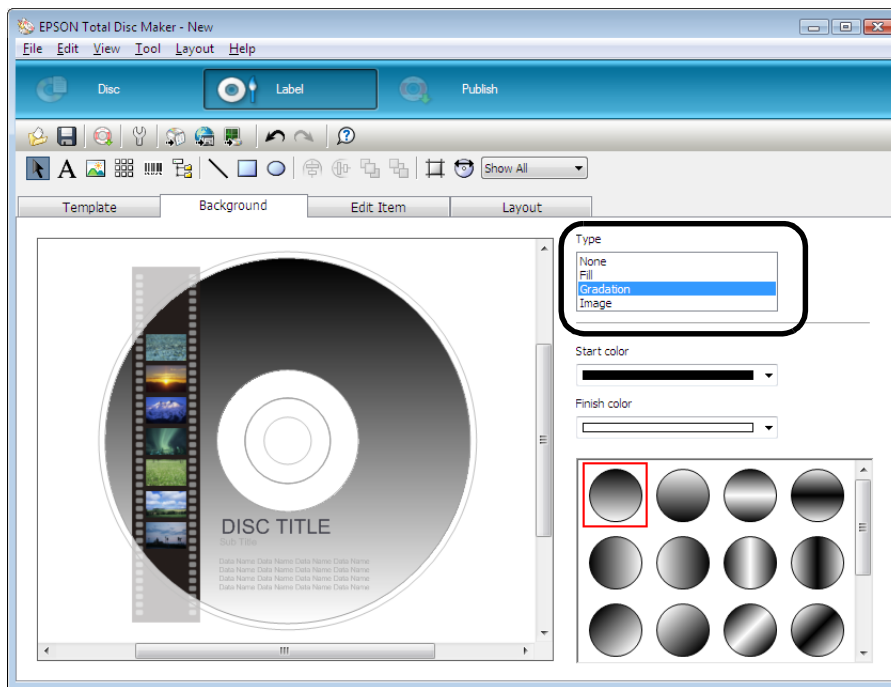


Select a background (see page 86 in this guide), edit the items (see page 87 in this guide), and adjust the layout (see page 95 in this guide) as necessary.

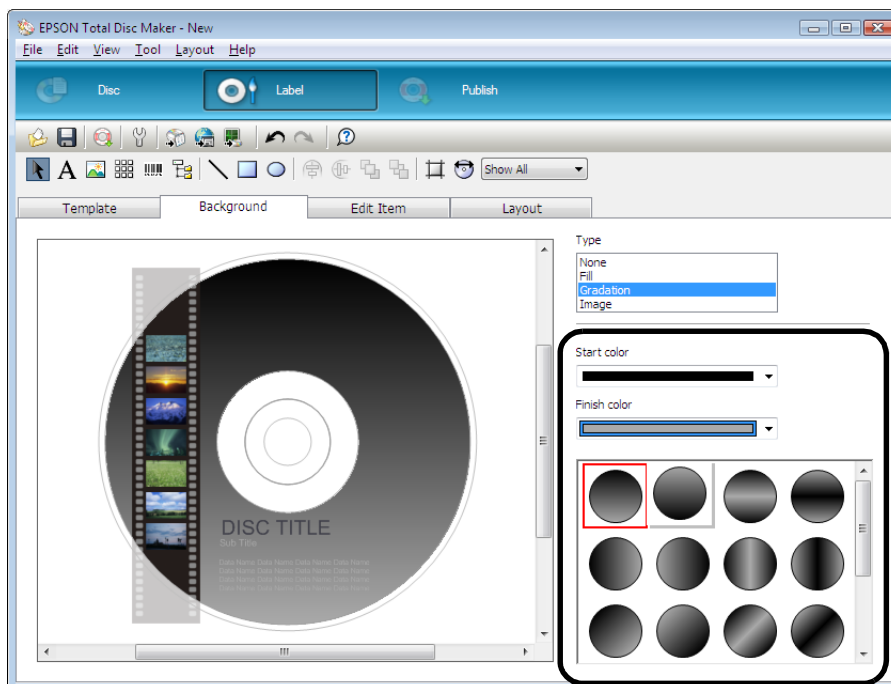
Selecting a background

In the [Background] screen, you can select a background color and gradation. You can also insert an image you like as the background.

- 1 Select [Type].
In this example, we select [Gradation].



- 2 Select the colors for [Start color] and [Finish color], and select the gradation type.
In this example, we select black for [Start color], and gray for [Finish color].



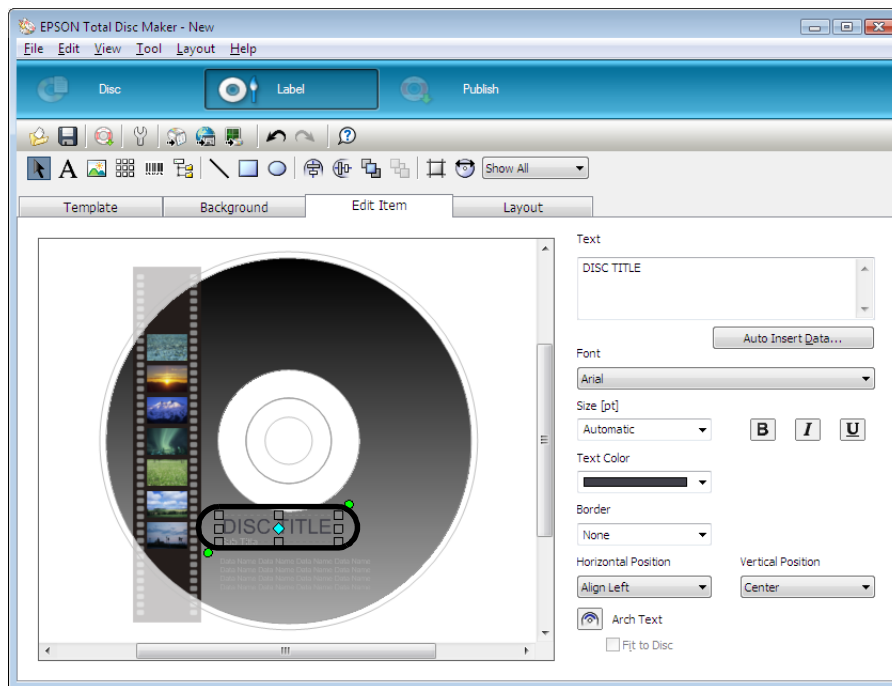
Editing items

In the [Edit Item] screen, you can insert and edit items such as text, images, thumbnails, barcodes, folder trees, and shapes.

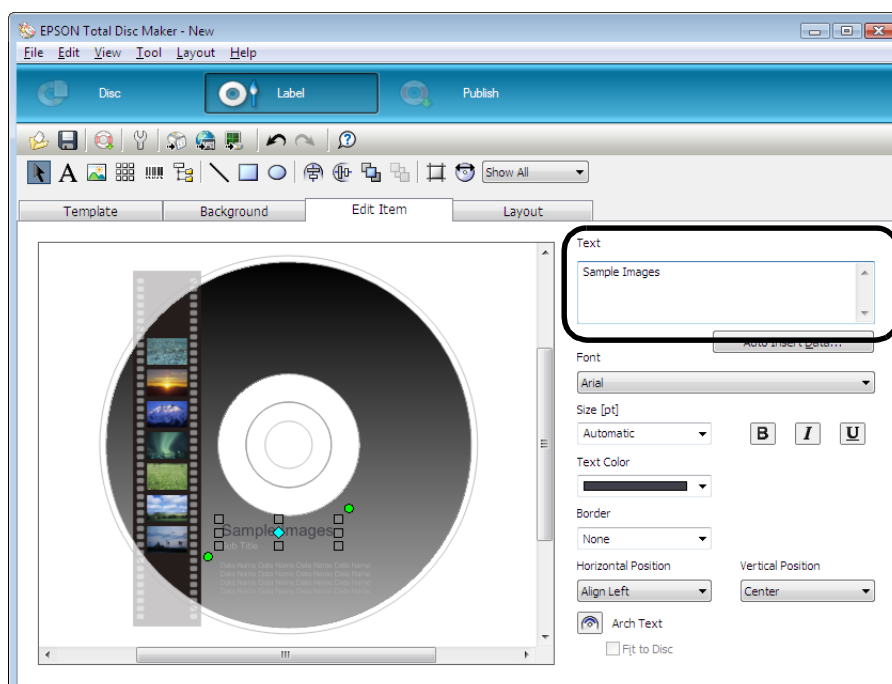
In this example, we edit text, delete an item, and insert a thumbnail and barcode.

Editing text

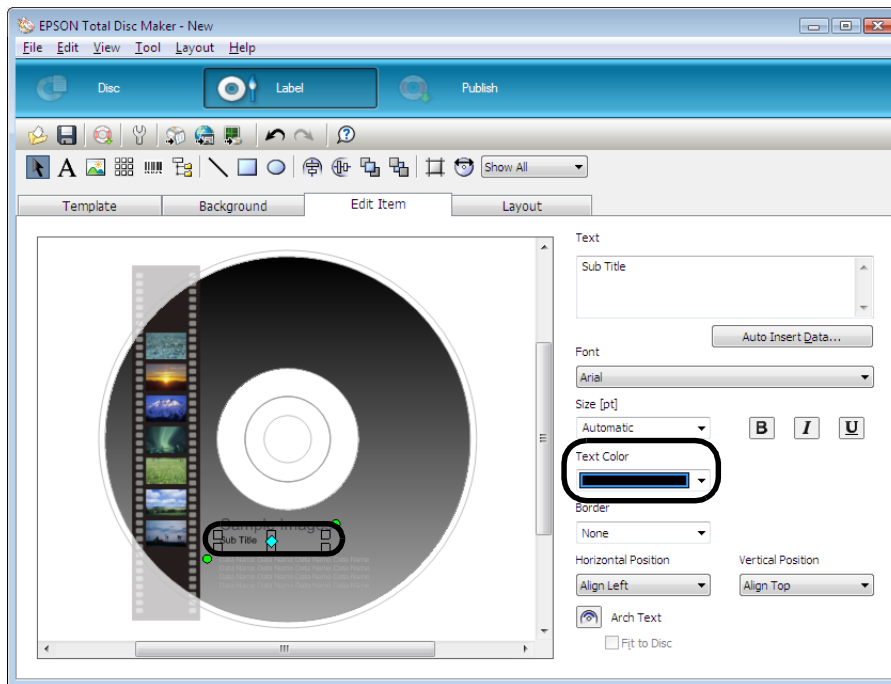
- 1 Click [DISC TITLE] in the edit area.



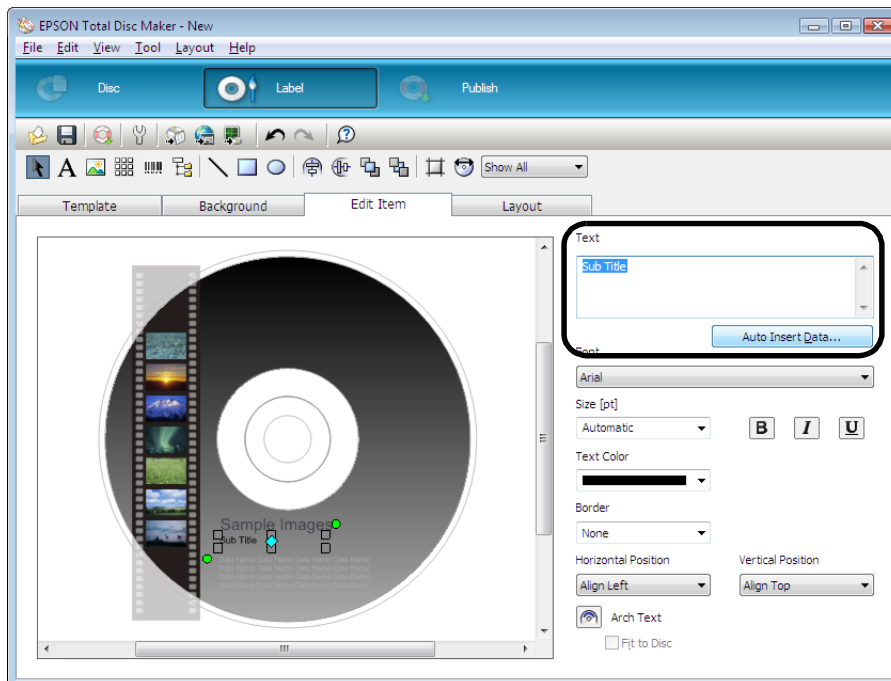
- 2 Enter the text you want to place in [Text].
In this example, we enter "Sample Images".



- 3 Click [Sub Title] in the edit area.
In this example, we set black for [Text Color].

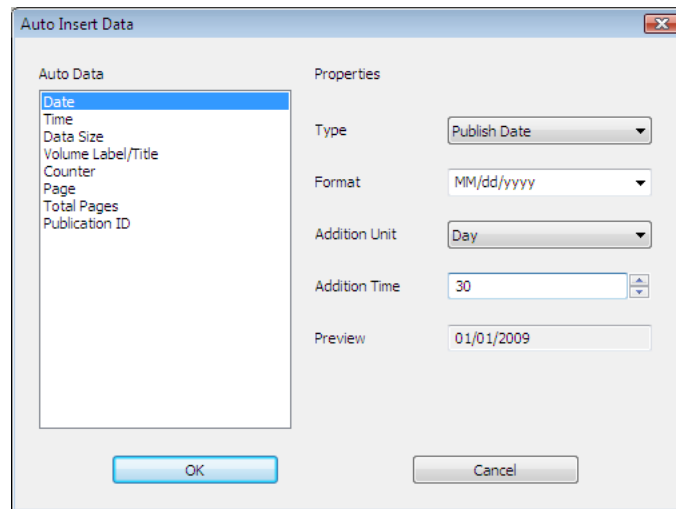


- 4 Delete the "Sub Title" from [Text], and click [Auto Insert Data].

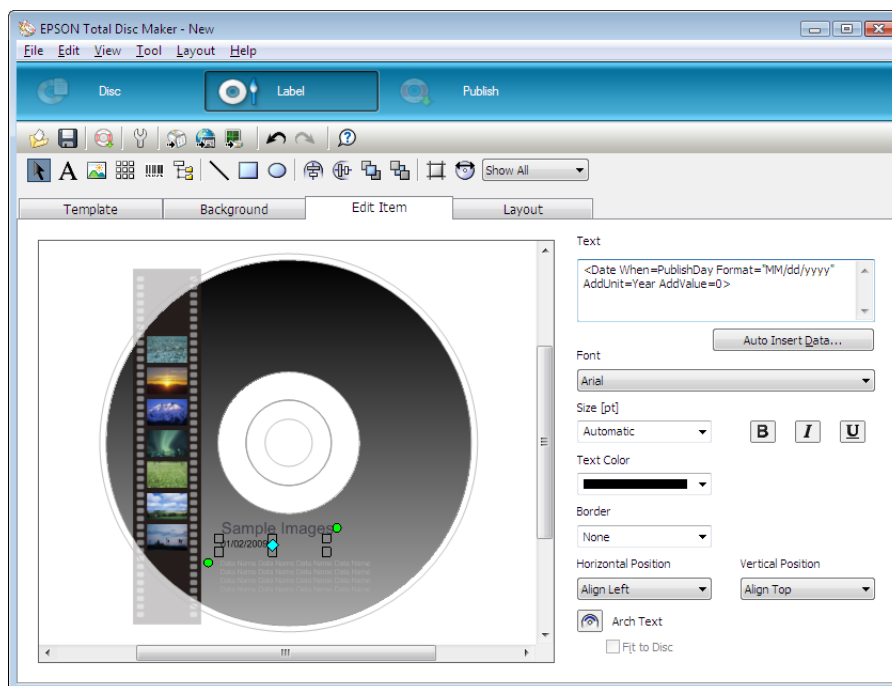


5 Set Auto Data and Properties, and click [OK].

In this example, we select "Date," and set [Addition Unit] to "Day" and [Addition Time] to "30" so that the value becomes "01/01/2009."



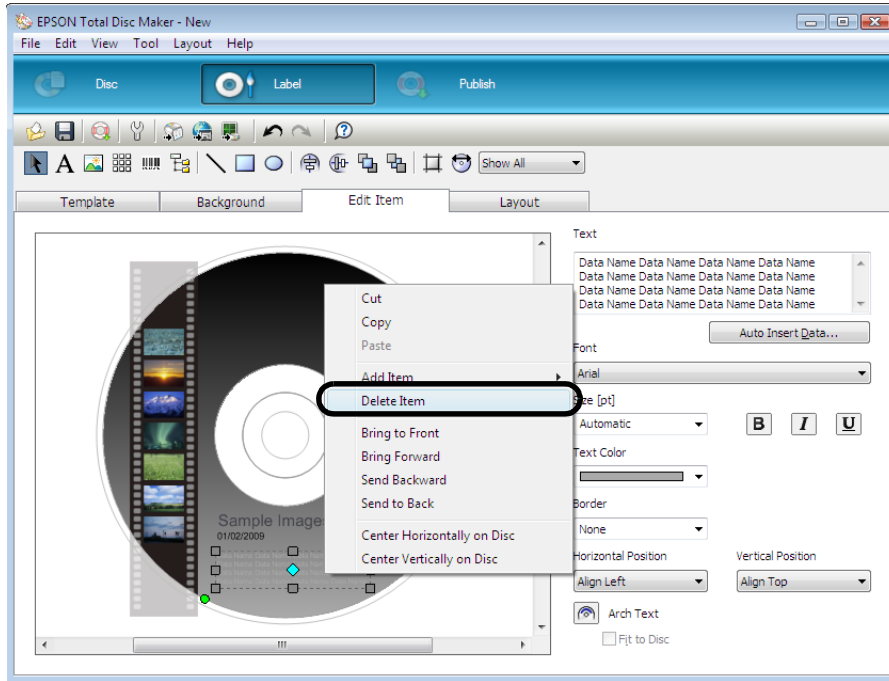
The date appears.



Deleting items

Right-click the item you want to delete in the edit area, and select [Delete Item].

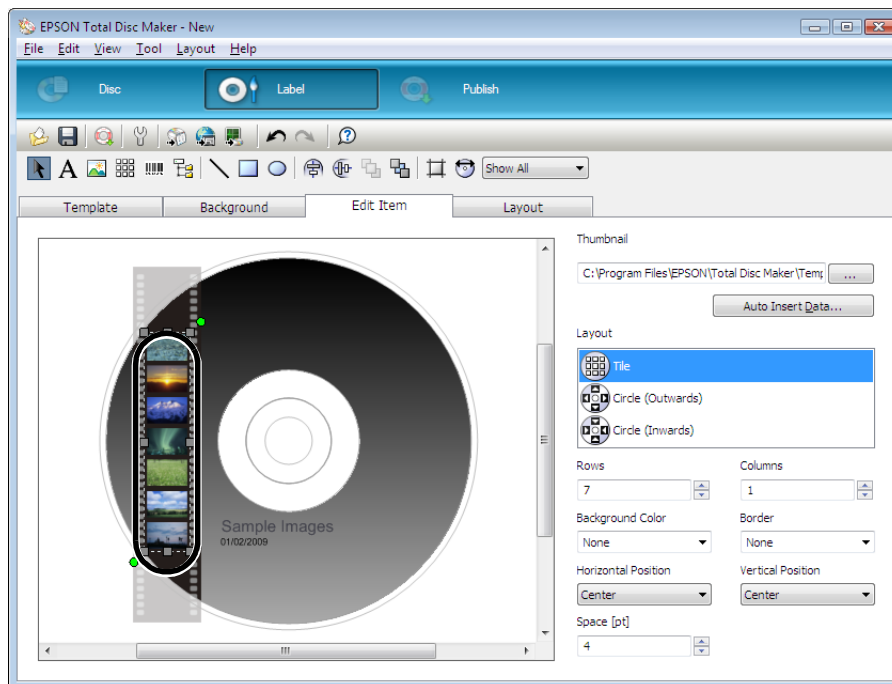
In this example, we delete [Data Name].



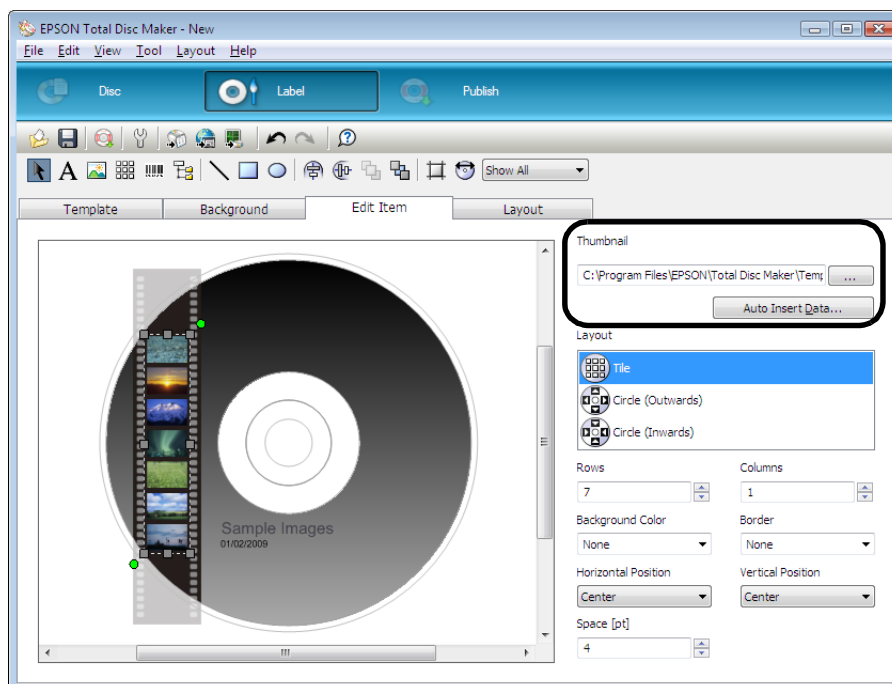
The item is deleted.

Inserting thumbnails

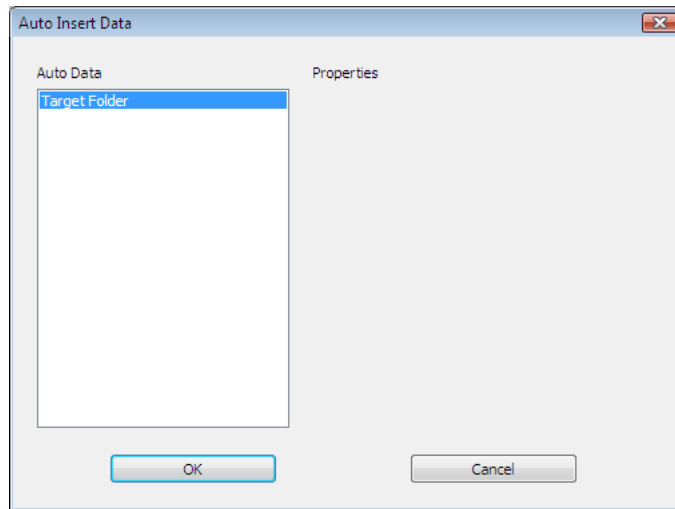
- 1 Click a thumbnail in the edit area.



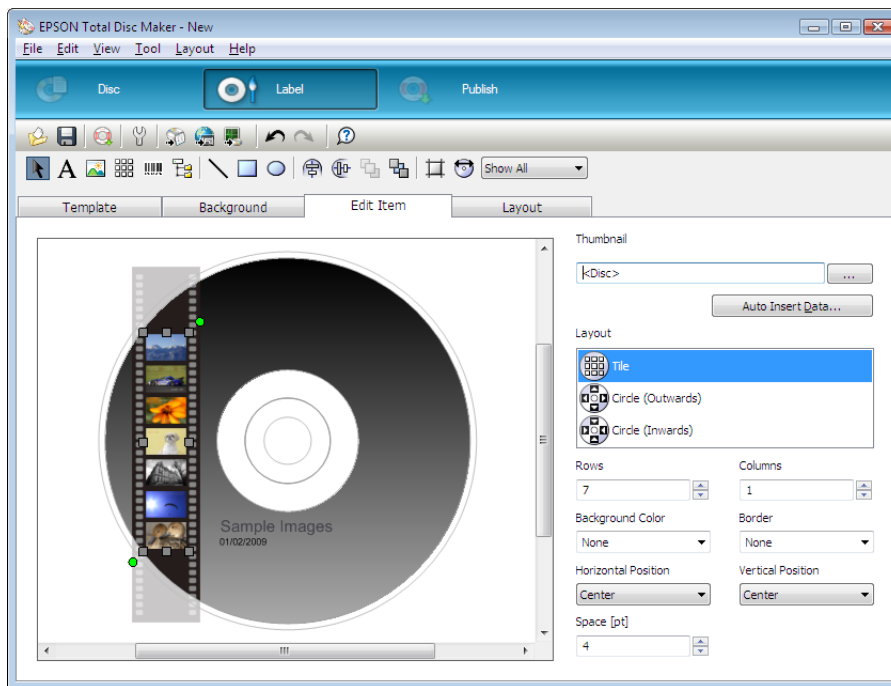
- 2 Click , specify the folder in which the image you want to insert as the thumbnail is stored or click [Auto Insert Data].
In this example, we click [Auto Insert Data].



- 3 Check that [Target Folder] is selected in [Auto Data], and click [OK].




Thumbnails of the image data registered in "Registering write data" on page 80 in this guide appear.

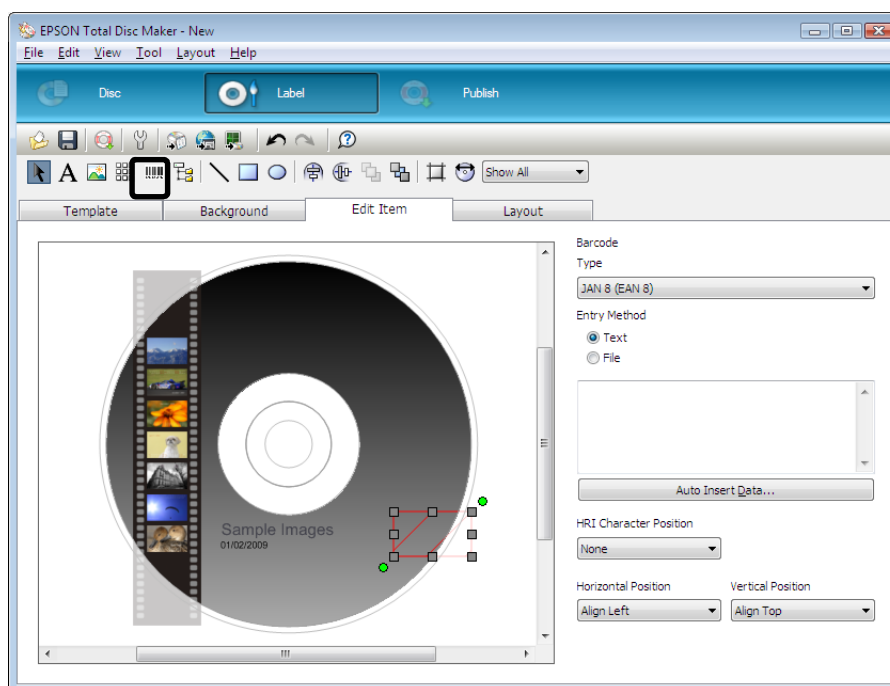


Inserting barcodes

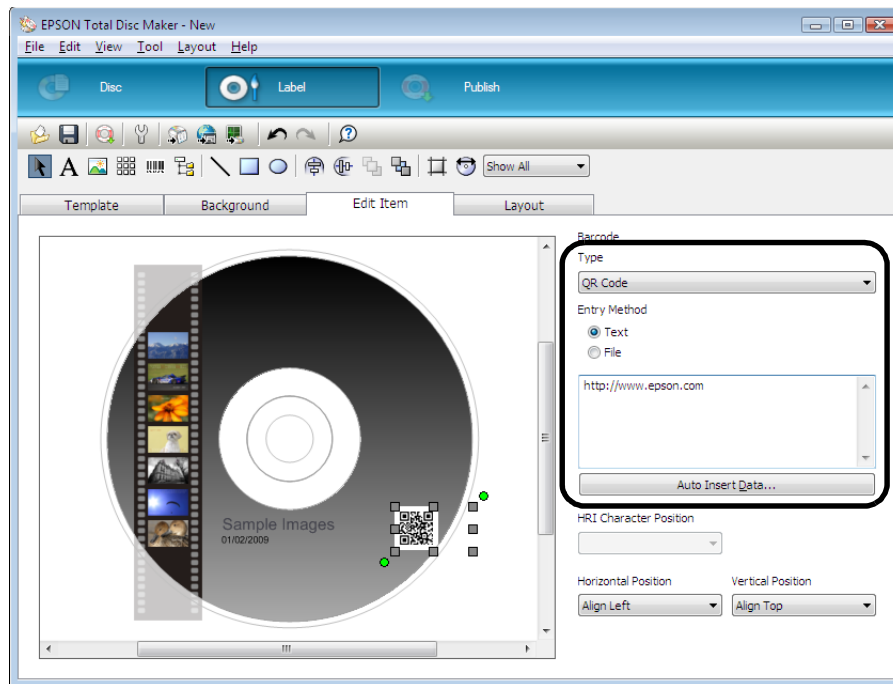


- When printing barcodes and 2D codes, be sure to use Epson brand ink cartridges.
- When printing barcodes and 2D codes on discs that are not EPSON specified CD/DVDs, check whether the printed barcodes or 2D codes can be read correctly by a scanner.
- Do not place barcodes and 2D codes where they overlap with other print data, or where they extend out of the print area.
- Barcodes and 2D codes use the ratio of black to white to indicate information. If ink penetration results in a deterioration in the ratio of black to white, barcodes and 2D codes may not be able to be read correctly. Check whether the printed barcodes and 2D codes can be read correctly by a scanner.
- If a barcode printed with bidirectional printing cannot be read correctly, align the print head (see page 149 in this guide) and then print the barcode, or print the barcode with unidirectional printing.

1 Click  [Barcode], and click the location you want to place the barcode.



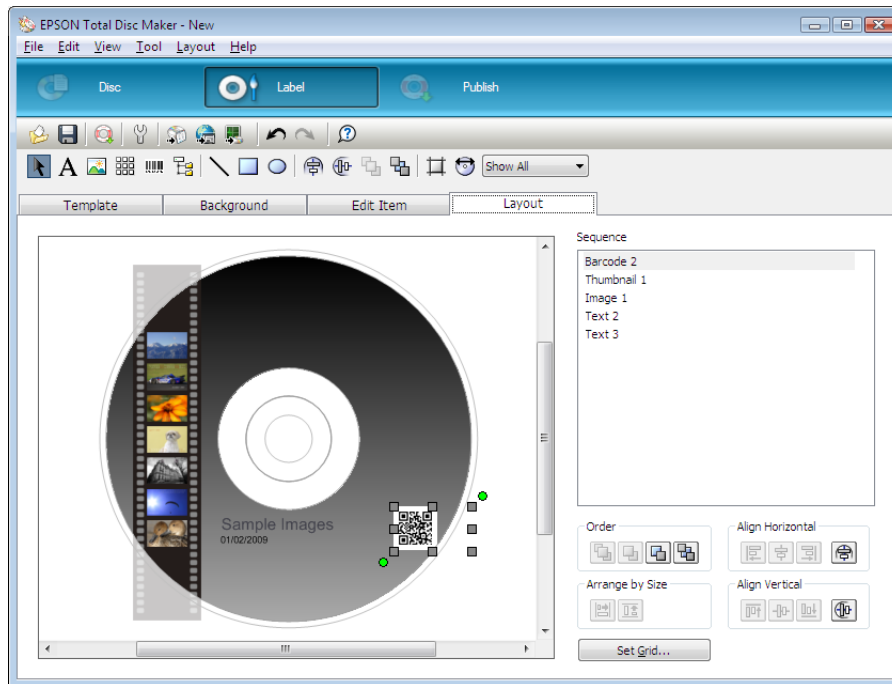
- 2 Select [Type] and [Entry Method].
In this example, we select “QR Code” and enter text.
The barcode appears.



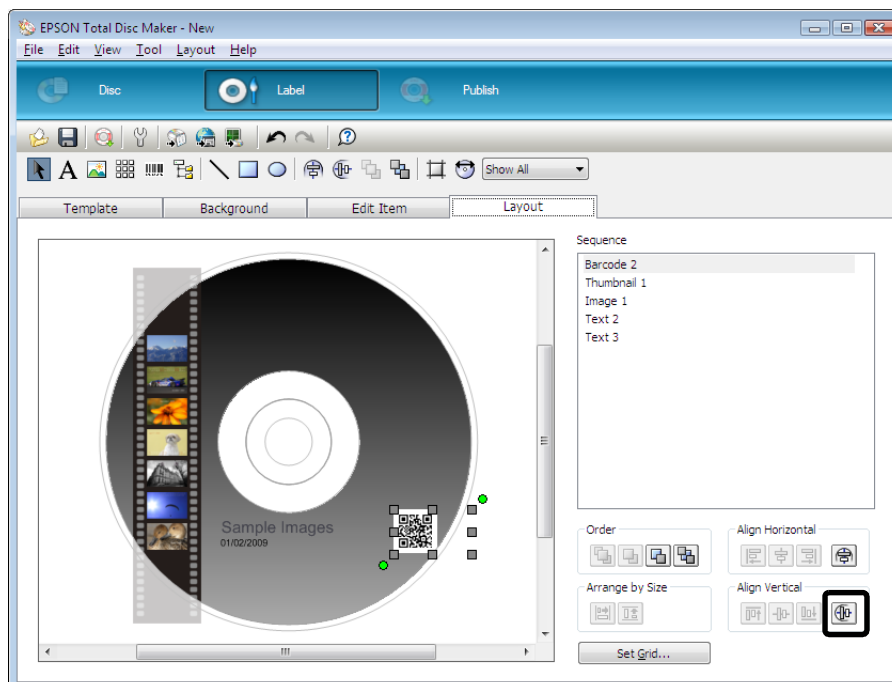
Adjusting layout

In the [Layout] screen, you can make fine adjustments to the layout of the items you inserted.

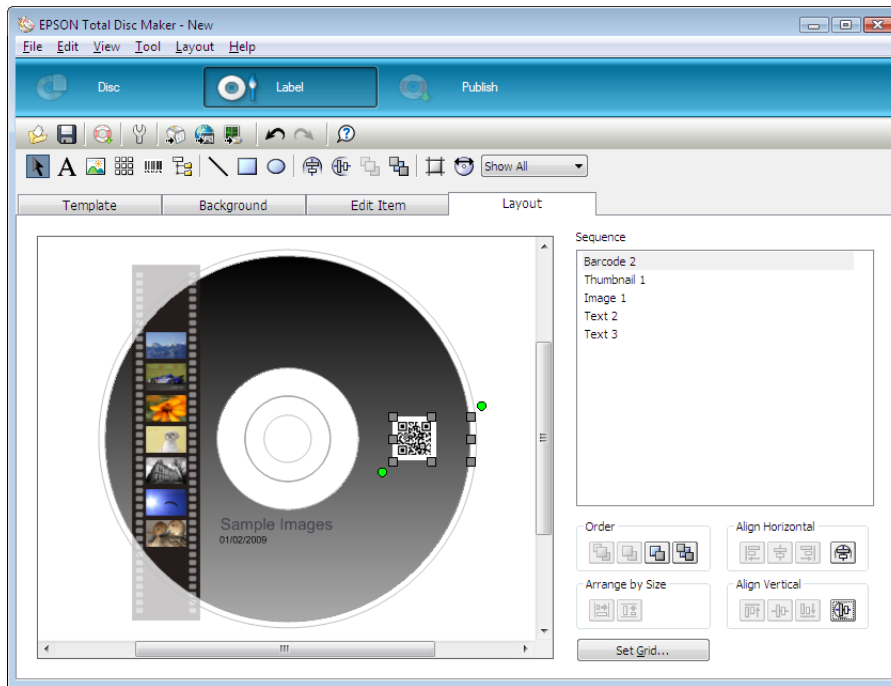
- 1 Select the item for which you want to adjust the layout.
In this example, we select a barcode.



- 2 Click  [Align Vertical Center of Disc].



The barcode appears in the vertical center position of the disc.



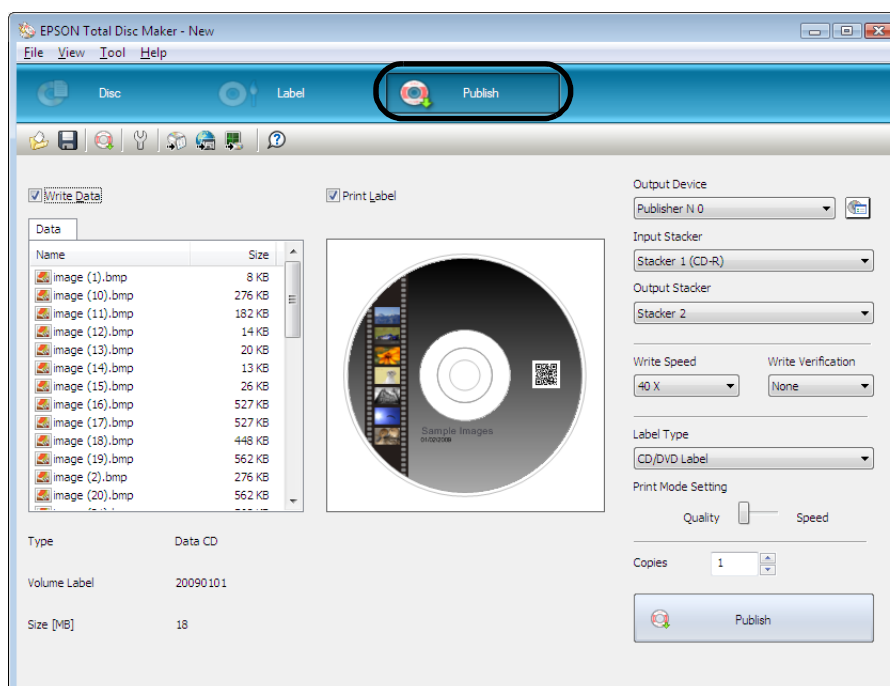
Once the settings for creating a label are complete, publish the disc.

Publishing discs

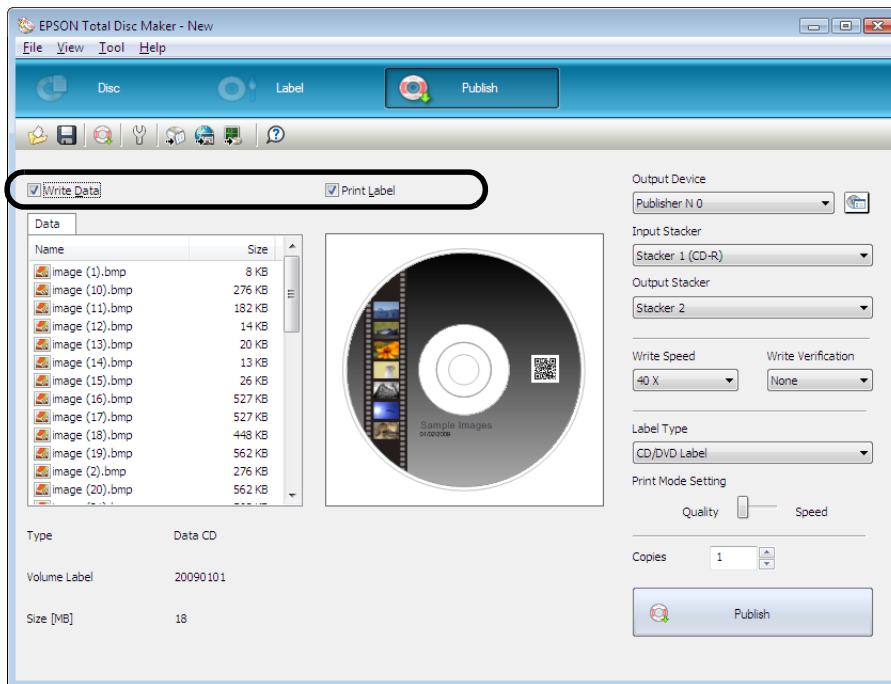


- When the product is used for the first time, after it has been stored for a long time, or after an error occurs, missing dots or ink stains may appear and print quality may be reduced on rare occasions. When publishing multiple discs, publish one disc in advance and check that there are no missing dots. If any dots are missing, perform head cleaning. See “Cleaning the print head” on page 146 in this guide for details on the head cleaning procedure.
- If the file system of your PC is FAT, writing to a DVD may not be possible.
- If writing and printing are performed separately, we recommended performing writing before printing. If writing is performed after printing, ink may cause discs to stick to each other and result in a disc transport error, or dirt, stains, or scratches on discs may result in a write error.

- 1 Click [Publish].
The publish view appears.



- 2 Check either one or both of [Write Data] and [Print Label] are selected.
In this example, we will write data and print a label, so both are selected.



- 3 Set [Output Device], [Write Speed], [Write Verification], [Label Type], [Print Mode Setting], and [Copies] as necessary.

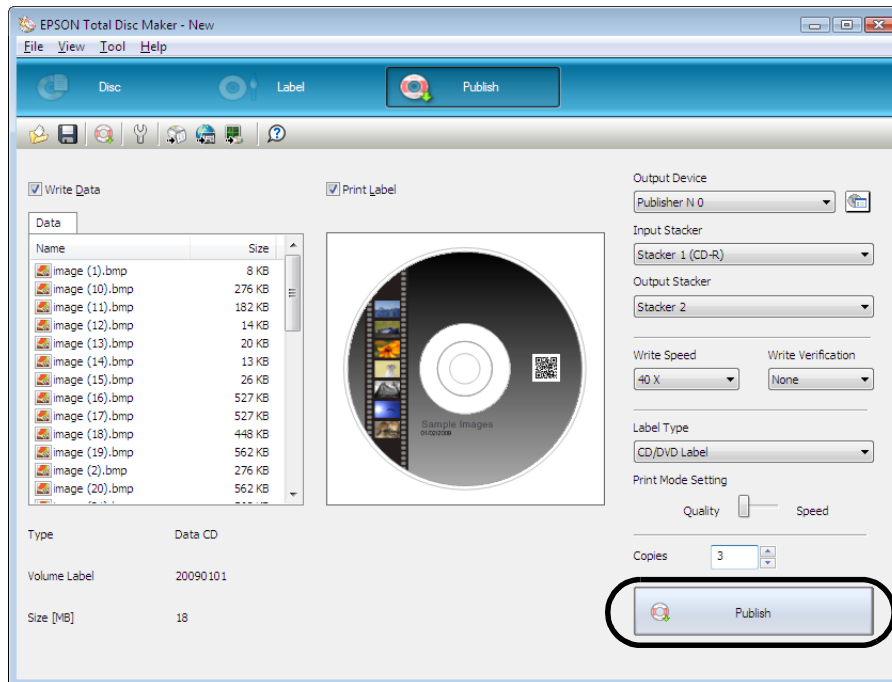


- Depending on the discs used, the writing speed may become slower than the set speed.
- Depending on the discs used, writing may not be able to be performed properly at the speed recommended for the disc. If this happens, write at a slower speed. In particular, we recommend writing to DVD±R DL at a slow speed.
- If (Label Type) is set to "EPSON Specified CD/DVD Label," (Print Mode Setting) is set to "Quality."

Notes

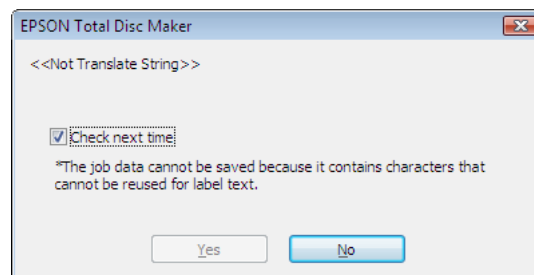
If (Compare) is set for (Write Verification), you can confirm whether data was written to discs properly.

4 Click [Publish].



5 Click [Yes] if you want to save the job data to enable you to use the published job to create the same disc again.

In this example, we click [No] because the job data cannot be saved.



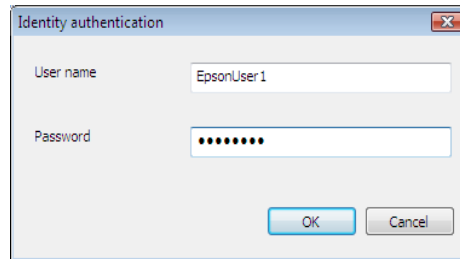
Notes

- If Auto Data (Publish Date or Publish Time) is automatically inserted as label print data, the saving of Job data may not be possible.
- See "Creating same discs as published discs" on page 129 in this guide for the procedure to create the same disc.

6 Enter your user name and password, and click [OK].



If you enter the wrong password three times in a row, the user account is locked and the password can no longer be used. (If notification email transmission is set by the administrator, an email is sent to notify the administrator that the user account is locked.) In such a case, ask the administrator to unlock the lock. The account lock of a user other than an administrator is unlocked automatically after one hour elapses.



In PIN Controlled Mode, the disc publishing process begins.

Notes

- If there are jobs waiting to be processed, the disc publishing process begins in the order with which jobs were published.
- If notification email transmission is set by the administrator, when the discs are finished publishing, an email is sent to notify the publisher that the job is finished.
- See “Taking out discs” on page 114 in this guide for the procedure to take out published discs.

In Security Mode, proceed to the approval workflow.

See “Approval workflow (Security Mode only)” on page 101 in this guide for details.

Approval workflow (Security Mode only)

In Security Mode, the publisher applies for a job to be published with EPSON Total Disc Maker, and discs can only be published if the job is approved by an approver. The workflow from the application to the approval is called the “approval workflow.”

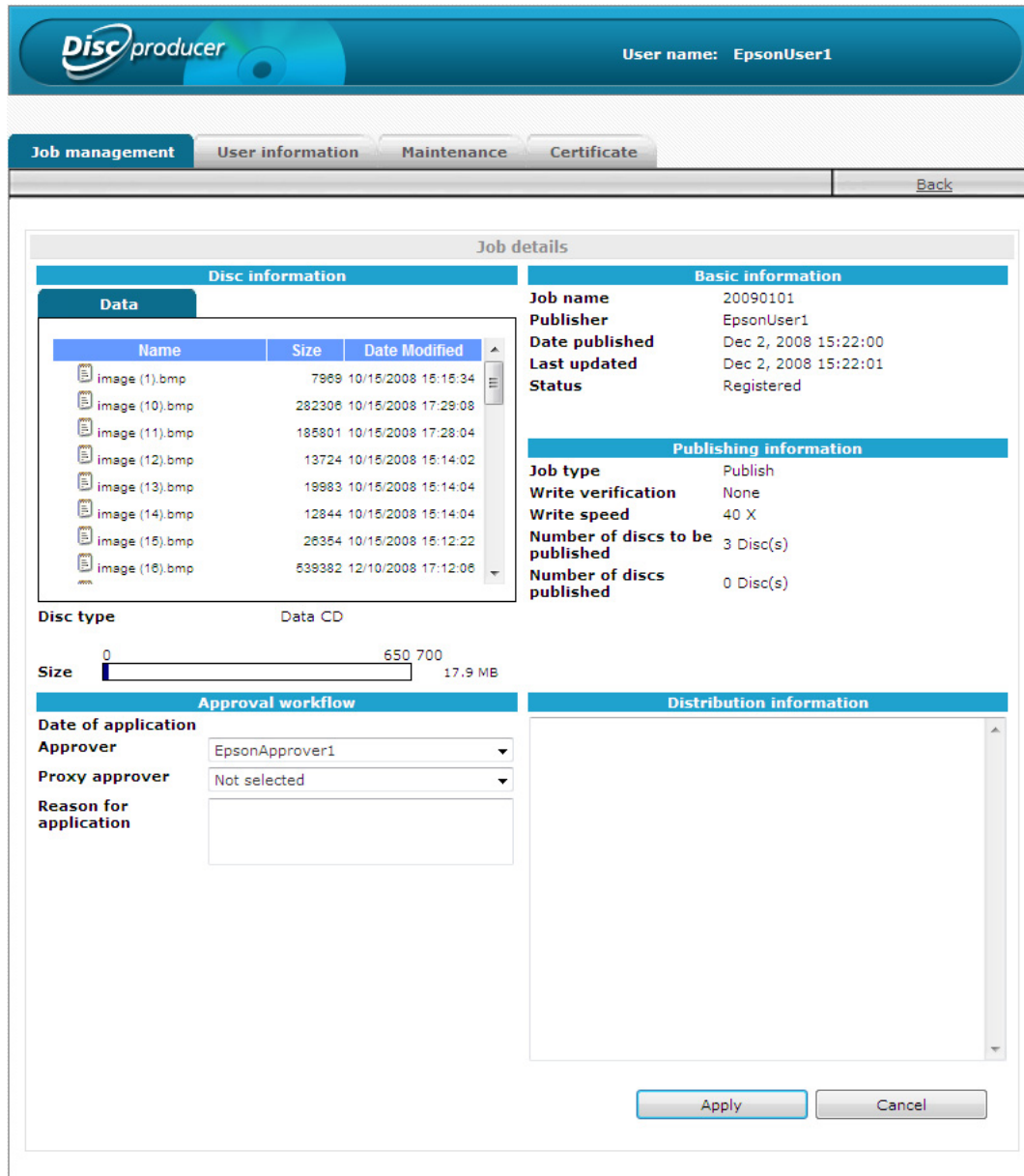
Applying job

In EPSON Total Disc Maker, if you click [Publish] and then enter your user name and password, EPSON Total Disc Net Administrator starts automatically and the [Job details] screen for the published job appears. The publisher should use the following procedure to apply a job. See “Canceling job applications” on page 104 in this guide for the procedure to cancel a job application and delete the job.

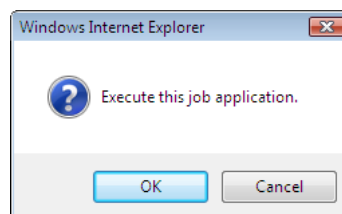
Notes

- When no application is submitted for a job published with EPSON Total Disc Maker, the status of the job becomes Registered.
- You can also display the (Job details) screen by clicking (Details) for the job in the (Job management) screen of EPSON Total Disc Net Administrator.

- 1 Select [Approver], select [Proxy approver] as necessary, enter [Reason for application], and [Distribution information], and click [Apply].



- 2 Click [OK].



Notes

- If notification email transmission is set by the administrator, an email requesting approval to publish discs is sent to the approver and proxy approver.
- In EPSON Total Disc Net Administrator, you can check the status (Waiting for approval, Waiting for publishing, etc.) of a job for which an application has been submitted. See "Checking job information" on page 116 in this guide for the check procedure.

When an application is submitted for a job, the job status display in EPSON Total Disc Net Administrator changes from Registered to Waiting for approval.

If the job is approved by an approver or proxy approver, the disc publishing process begins.

Notes

- If there are jobs waiting to be processed, the disc publishing process begins in the order with which jobs were published.
- If notification email transmission is set by the administrator, when the discs are finished publishing, an email is sent to notify the publisher that the job is finished.
- See "Taking out discs" on page 114 in this guide for the procedure to take out published discs.

Canceling job applications

Use the following procedure to cancel a job application and delete the job.



To cancel an application, the status of the job needs to be Registered or Waiting for approval.

- 1 Log in to EPSON Total Disc Net Administrator.
See “Logging in to EPSON Total Disc Net Administrator” on page 55 in this guide for the login procedure.
The [Job management] screen appears.
- 2 Search for the job for which you want to cancel the application.

The screenshot shows the 'Disc producer' header with the user name 'EpsonUser1'. Below the header are tabs for 'Job management', 'User information', 'Maintenance', and 'Certificate'. The 'Job management' tab is active. Underneath, there is a 'Job status list' section. A search form is highlighted with a red circle. The search form includes a 'Search options' link, a 'Search target' dropdown menu set to 'Date published', a 'Date' section with dropdowns for 'December', '2', and '2008', a 'Status' dropdown menu set to 'All', and a 'Search' button.

- 3 Click [Details].

The screenshot shows the same interface as the previous one, but now a table of job applications is visible. The 'Details' button in the first row of the table is highlighted with a red circle. The table has columns for 'Date published', 'Job name', 'Status', and 'Publisher'. The first row contains the following data: 'Dec 2, 2008', '20090101', 'Registered', and 'EpsonUser1'. Below the table, the text '1/1' is displayed.

	Date published	Job name	Status	Publisher
Details	Dec 2, 2008	20090101	Registered	EpsonUser1

1/1

- 4 Click [Cancel].

Disc producer User name: EpsonUser1

Job management | User information | Maintenance | Certificate | Back

Job details

Disc information			Basic information	
Name	Size	Date Modified	Job name	20090101
image (1).bmp	7969	10/15/2008 15:15:34	Publisher	EpsonUser1
image (10).bmp	282306	10/15/2008 17:29:08	Date published	Dec 2, 2008 15:22:00
image (11).bmp	185901	10/15/2008 17:28:04	Last updated	Dec 2, 2008 15:22:01
image (12).bmp	13724	10/15/2008 15:14:02	Status	Registered
image (13).bmp	19983	10/15/2008 15:14:04	Publishing information	
image (14).bmp	12844	10/15/2008 15:14:04	Job type	Publish
image (15).bmp	26354	10/15/2008 15:12:22	Write verification	None
image (16).bmp	539382	12/10/2008 17:12:06	Write speed	40 X
			Number of discs to be published	3 Disc(s)
			Number of discs published	0 Disc(s)

Disc type: Data CD

Size: 0 / 650 700 / 17.9 MB

Approval workflow

Date of application: []

Approver: EpsonApprover1

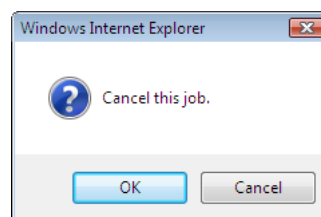
Proxy approver: Not selected

Reason for application: []

Distribution information

Apply | **Cancel**

- 5 Click [OK].



- 6 The job list appears in the [Job management] screen.
The job disappears in EPSON Total Disc Net Administrator when the job application is canceled.

Notes

If notification email transmission is set by the administrator, when a job for which an application was submitted is canceled by the administrator, an email is sent to notify the publisher of job cancellation.

Reapplying job

If an application for a job was denied by an approver or proxy approver, the publisher needs to cancel the job application, or change the application details and then re-apply the job.

Use the following procedure to re-apply an application for a denied job.



The status of a denied job becomes Registered.

Notes

- If notification email transmission is set by the administrator, when a job for which an application was submitted is denied by an approver or proxy approver, an email is sent to notify the publisher of the denying of the job application.
- See "Canceling job applications" on page 104 in this guide for the procedure to cancel a job application.

- 1** Log in to EPSON Total Disc Net Administrator.
See "Logging in to EPSON Total Disc Net Administrator" on page 55 in this guide for the login procedure.
The [Job management] screen appears.
- 2** Search for the job you want to re-apply.

The screenshot shows the EPSON Total Disc Net Administrator interface. At the top, there is a blue header with the "Disc producer" logo on the left and "User name: EpsonUser1" on the right. Below the header is a navigation bar with four tabs: "Job management" (selected), "User information", "Maintenance", and "Certificate". The main content area is titled "Job status list". A search bar is highlighted with a red oval, containing the following fields: "Search target" with a dropdown menu set to "Date published", "Date" with dropdowns for "December", "2", and "2008", and "Status" with a dropdown menu set to "All". A "Search" button is located to the right of these fields.

3 Click [Details].



The screenshot shows the Disc Producer software interface. At the top, the logo "Disc producer" is on the left, and "User name: EpsonUser1" is on the right. Below the logo, there are four tabs: "Job management" (selected), "User information", "Maintenance", and "Certificate".

The main content area is titled "Job status list". It contains a search section with the following fields:

- Search options**
- Search target:** Date published (dropdown)
- Date:** December (month dropdown), 2 (day dropdown), 2008 (year dropdown)
- Status:** All (dropdown)
- Search** button

Below the search section is a table with the following columns:

	Date published	Job name	Status	Publisher	
Details	Dec 2, 2008	20090101	Registered	EpsonUser1	

At the bottom of the table, there is a pagination indicator "1/1".

- 4 Change [Approver], [Proxy approver], [Reason for application], [Number of discs to be published], and [Distribution information] as necessary, and click [Apply].

Disc producer User name: EpsonUser1

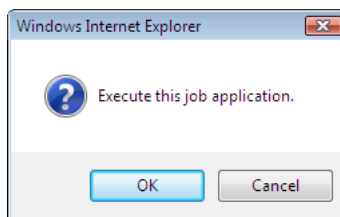
Job management User information Maintenance Certificate Back

Job details

Disc information			Basic information	
Data			Job name	20090101
Name	Size	Date Modified	Publisher	EpsonUser1
image (1).bmp	7989	10/15/2008 15:15:34	Date published	Dec 2, 2008 15:22:00
image (10).bmp	282306	10/15/2008 17:29:08	Last updated	Dec 2, 2008 15:44:09
image (11).bmp	185801	10/15/2008 17:28:04	Status	Registered
image (12).bmp	13724	10/15/2008 15:14:02	Publishing information	
image (13).bmp	19983	10/15/2008 15:14:04	Job type	Publish
image (14).bmp	12844	10/15/2008 15:14:04	Write verification	None
image (15).bmp	28354	10/15/2008 15:12:22	Write speed	40 X
image (18).bmp	639382	12/10/2008 17:12:06	Number of discs to be published	3 Disc(s)
			Number of discs published	0 Disc(s)
Disc type Data CD				
Size 0 650 700 17.9 MB				
Approval workflow			Distribution information	
Date of application Dec 2, 2008 15:36:26				
Date of approval or denial Dec 2, 2008 15:44:09				
Denied by EpsonApprover1				
Reason for denial Please specify distribution location.				
Approver EpsonApprover1				
Proxy approver Not selected				
Reason for application				

Apply Cancel

5 Click [OK].

**Notes**

- If notification email transmission is set by the administrator, an email requesting approval to publish discs is sent to the approver and proxy approver.
- In EPSON Total Disc Net Administrator, you can check the status (Waiting for approval, Waiting for publishing, etc.) of a job for which an application has been submitted. See "Checking job information" on page 116 in this guide for the check procedure.

When an application is submitted for a job, the job status display in EPSON Total Disc Net Administrator changes from Registered to Waiting for approval.

If the job is approved by an approver or proxy approver, the disc publishing process begins.

Notes

- If there are jobs waiting to be processed, the disc publishing process begins in the order with which jobs were published.
- If notification email transmission is set by the administrator, when the discs are finished publishing, an email is sent to notify the publisher that the job is finished.
- See "Taking out discs" on page 114 in this guide for the procedure to take out published discs.

Approving/Denying jobs

When a publisher submits a request for the approval of a published job, an approver or proxy approver checks the application details and then approves or denies the job application.

Use the following procedure to approve/deny a job.




To approve/deny a job, the status of the job needs to be Waiting for approval.

Notes

If notification email transmission is set by the administrator, when a publisher submits an application for a job, an email requesting approval to publish discs is sent to the approver and proxy approver. If you click the URL included in the email, the details screen of the job for which approval was requested is displayed immediately after you log in to EPSON Total Disc Net Administrator.

- 1 Log in to EPSON Total Disc Net Administrator.
See “Logging in to EPSON Total Disc Net Administrator” on page 55 in this guide for the login procedure.
The [Job management] screen appears.
- 2 Search for the job to approve/deny.

The screenshot shows the EPSON Total Disc Net Administrator interface. At the top, there is a blue header with the "Disc producer" logo on the left and "User name: EpsonApprover1" on the right. Below the header is a navigation bar with four tabs: "Job management" (selected), "User information", "Maintenance", and "Certificate". The main content area is titled "Job status list". A search form is visible, with a "Search options" link. The search form has three columns: "Search target" with a dropdown menu set to "Date published", "Date" with dropdown menus for "December", "2", and "2008", and "Status" with a dropdown menu set to "Waiting for approval". A "Search" button is located to the right of the search form.

When a job can be approved/denied by an approver,  appears. When a job can be approved/denied by a proxy approver,  appears.



Disc producer User name: EpsonApprover1


Job management | User information | Maintenance | Certificate

Job status list

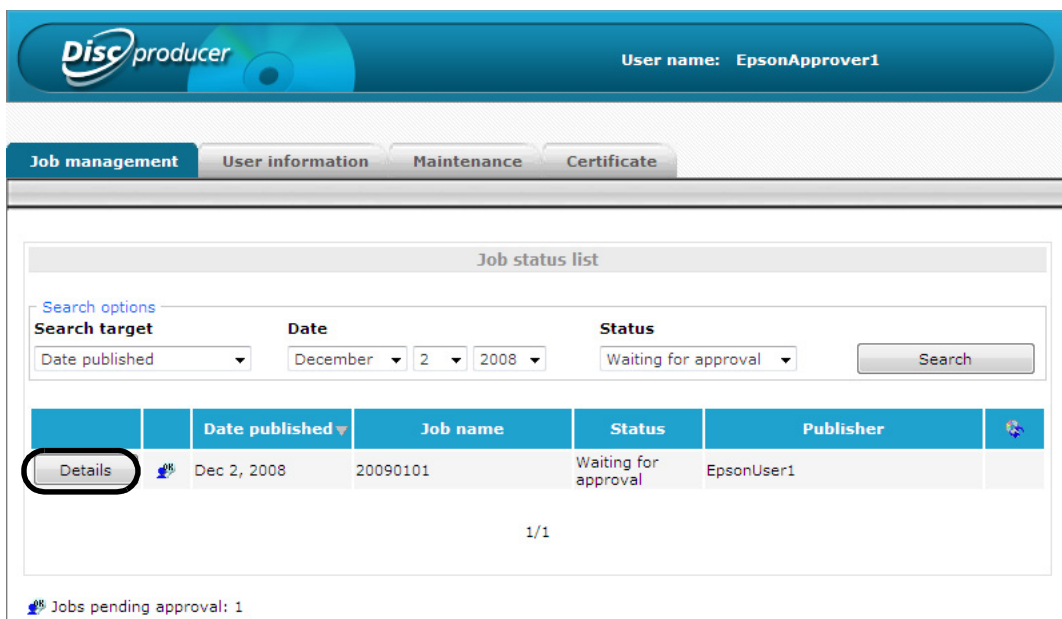
Search options
 Search target: Date published | Date: December 2, 2008 | Status: Waiting for approval | Search

	Date published	Job name	Status	Publisher	
Details 	Dec 2, 2008	20090101	Waiting for approval	EpsonUser1	

1/1

 Jobs pending approval: 1

3 Click [Details].




Disc producer User name: EpsonApprover1


Job management | User information | Maintenance | Certificate

Job status list

Search options
 Search target: Date published | Date: December 2, 2008 | Status: Waiting for approval | Search

	Date published	Job name	Status	Publisher	
Details 	Dec 2, 2008	20090101	Waiting for approval	EpsonUser1	

1/1

 Jobs pending approval: 1

4 Check the application details, and click [Approve] or [Deny].



When you deny an application, you need to enter a reason in (Reason for denial).

Disc producer
User name: EpsonApprover1

Job management User information Maintenance Certificate

[Back](#)

Job details

Disc information			Basic information	
Data			Job name	20090101
Name	Size	Date Modified	Publisher	EpsonUser1
image (1).bmp	7869	10/15/2008 15:15:34	Date published	Dec 2, 2008 15:22:00
image (10).bmp	282306	10/15/2008 17:29:08	Last updated	Dec 2, 2008 15:36:26
image (11).bmp	185801	10/15/2008 17:28:04	Status	Waiting for approval
image (12).bmp	13724	10/15/2008 15:14:02	Publishing information	
image (13).bmp	19983	10/15/2008 15:14:04	Job type	Publish
image (14).bmp	12844	10/15/2008 15:14:04	Write verification	None
image (15).bmp	26354	10/15/2008 15:12:22	Write speed	40 X
image (16).bmp	539382	12/10/2008 17:12:06	Number of discs to be published	3 Disc(s)
			Number of discs published	0 Disc(s)
Disc type Data CD			Approval workflow	
Size <input type="text" value="0"/> <input type="text" value="650 700"/> <input type="text" value="17.9 MB"/>			Date of application Dec 2, 2008 15:36:26	
			Approver EpsonApprover1	
			Proxy approver	
			Reason for application <input style="width: 100%;" type="text"/>	
			Reason for denial <input style="width: 100%;" type="text"/>	
			<input type="button" value="Approve"/> <input type="button" value="Deny"/>	

5 Click [OK] in the approve or deny confirmation message that appears.

When a job is approved, the job status display in EPSON Total Disc Net Administrator changes from Waiting for approval to Publishing or Waiting.

When a job application is denied, the job status display in EPSON Total Disc Net Administrator changes from Waiting for approval to Registered.

Notes

- If notification email transmission is set by the administrator, when the discs are finished publishing, an email is sent to notify the publisher that the job is finished.
- If an application for a job was denied by an approver or proxy approver, the publisher needs to cancel the job application (see page 104 in this guide), or re-apply the job (see page 106 in this guide).

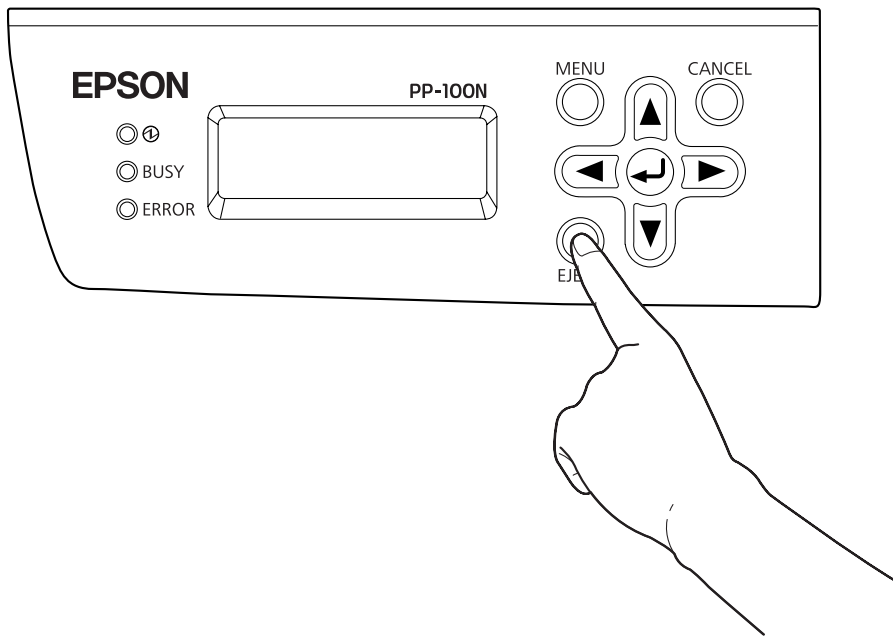
Taking out discs

The published discs are temporarily stored in Stacker 2.

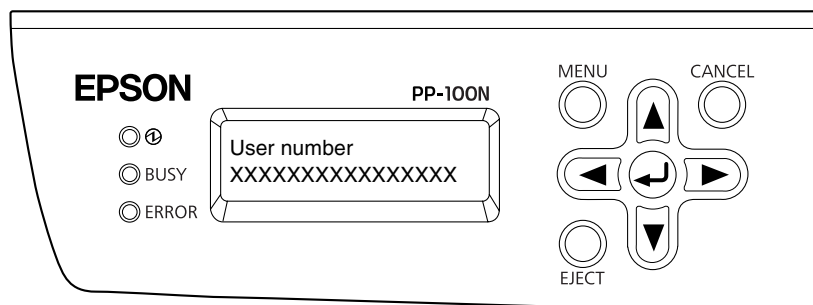
This section describes how to output the published discs from Stacker 2 to Stacker 4, and then take out the published discs.

Notes If notification email transmission is set by the administrator, when the discs are finished publishing, an email is sent to notify the publisher that the job is finished.

- 1 Press the EJECT button.



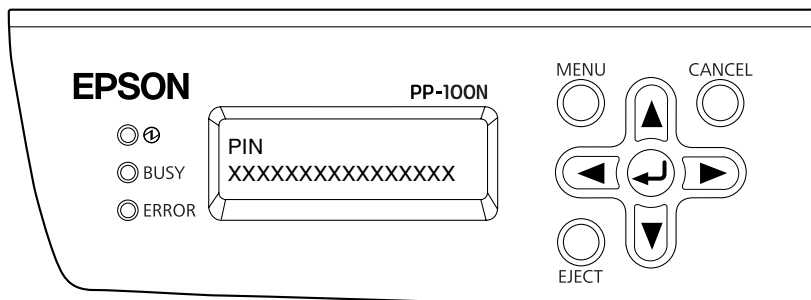
- 2 Use the authentication keypad to enter the user number, and press the Enter key.



3 Use the authentication keypad to enter the PIN, and press the Enter key.



If you enter the wrong PIN three times in a row, the user account is locked and the PIN can no longer be used. (If notification email transmission is set by the administrator, an email is sent to notify the administrator that the user account is locked.) In this case, ask the administrator to unlock the user account lock. The account lock of a user other than an administrator is unlocked automatically after one hour elapses.



The disc output process begins. The number of discs output/total number of discs to be output are displayed on the LCD.

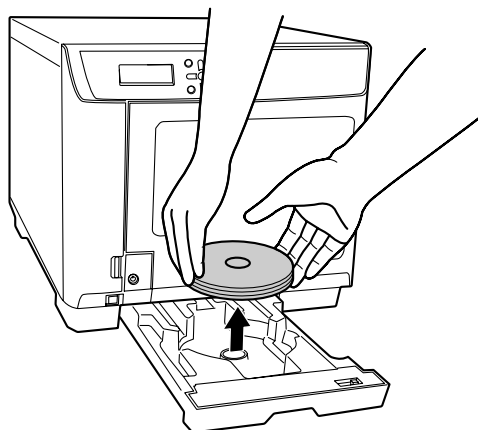
When the BUSY LED goes out, the disc output process is finished.



- When the BUSY LED is flashing quickly, do not pull out Stacker 4 because discs are being output to Stacker 4. Doing so may damage the discs.
- If there is a disc created by the same publisher that has not been output, that disc is also output together with the discs to Stacker 4.

4 Take out the published discs from Stacker 4.

Stacker 4 holds up to approximately five published discs. If the number of published discs exceeds that amount, the remaining discs are output to Stacker 4 automatically when published discs are taken out of Stacker 4.



- Be sufficiently careful not to forget to take out published discs.
- Directly touching or getting moisture on the label surface before or after printing may result in blurring or discs sticking together.
- After printing on the label surface, allow EPSON specified CDs/DVDs to dry for at least one hour, and other types of discs for at least 24 hours. Do not insert discs into a drive or other device until they are completely dry.
- Avoid drying under direct sunlight.

Performing job operations

Checking job information

Use the following procedure to check the history and details of jobs.



Only the following jobs can be checked.

- Publisher: Job published by oneself.
- Approver: Job published by oneself, job approved by oneself in Security Mode, job waiting for approval and whose approver or proxy approver is oneself.

Log in to EPSON Total Disc Net Administrator.

See “Logging in to EPSON Total Disc Net Administrator” on page 55 in this guide for the login procedure.

The [Job management] screen appears.

	Date published	Job name	Status	Publisher	
Details	Dec 3, 2008	DVD_Video	Publishing	EpsonUser1	
Details	Dec 3, 2008	sample_data	Completed	EpsonUser1	
Details	Dec 2, 2008	20090101	Completed	EpsonUser1	

The job list displays all jobs in the following status that were published for this product.

- Registered (Security Mode only)
- Waiting for approval (Security Mode only)
- Waiting
- Publishing
- Waiting to be ejected
- Completed
- Paused
- Pausing
- Canceling
- Standby
- Recovering



The job status display is not updated automatically. To update the display, click (Refresh) on the (View) menu of Internet Explorer.

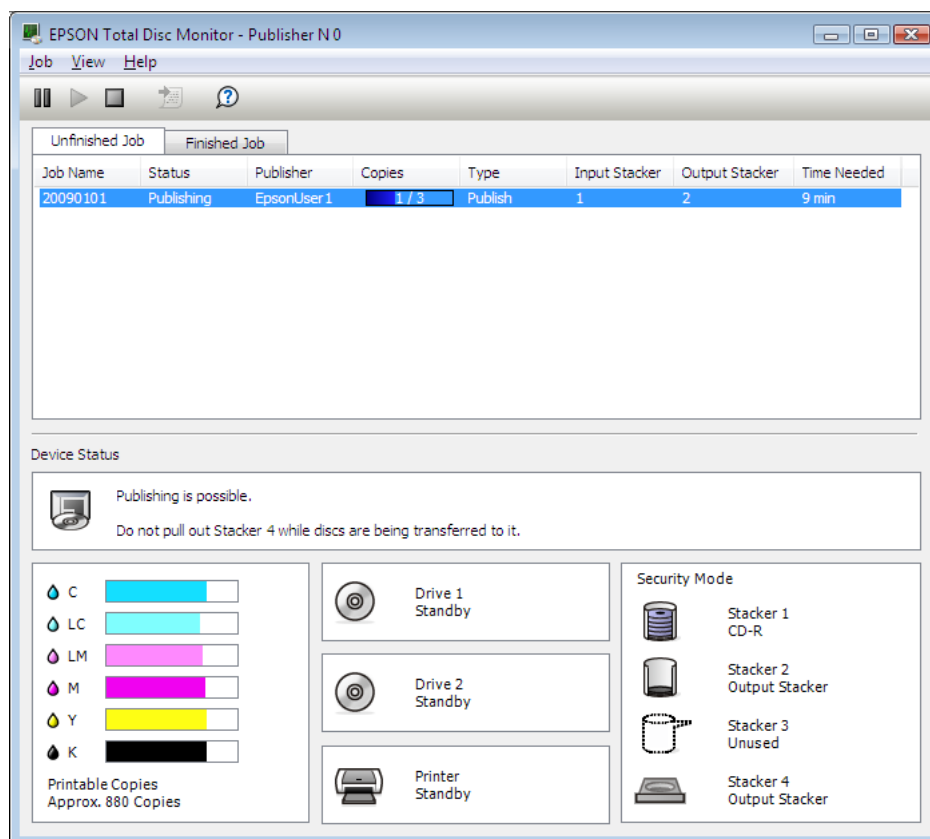
Notes

- If you use search options, a joblist of the search results appears in accordance with the specified search items and status.
- Click (Details) of the job you want to check to display more detailed job information.

Checking the job processing status

Use the following procedure to check the job processing status.

- 1 Starts EPSON Total Disc Monitor.
See “Starting EPSON Total Disc Monitor” on page 50 in this guide for the start procedure.
- 2 Click the [Unfinished Job] tab or [Finished Job] tab.
The [Unfinished Job] screen or [Finished Job] screen appears.



[Unfinished Job] screen: Displays a list of jobs for which the status is Waiting, Publishing, Paused, Pausing, Canceling, Standby, or Recovering.

[Finished Job] screen: Displays a list of jobs for which the status is Published. When the published discs are taken out, the job display disappears.



In Security Mode, jobs not approved in the approval workflow are not displayed.


Pausing jobs

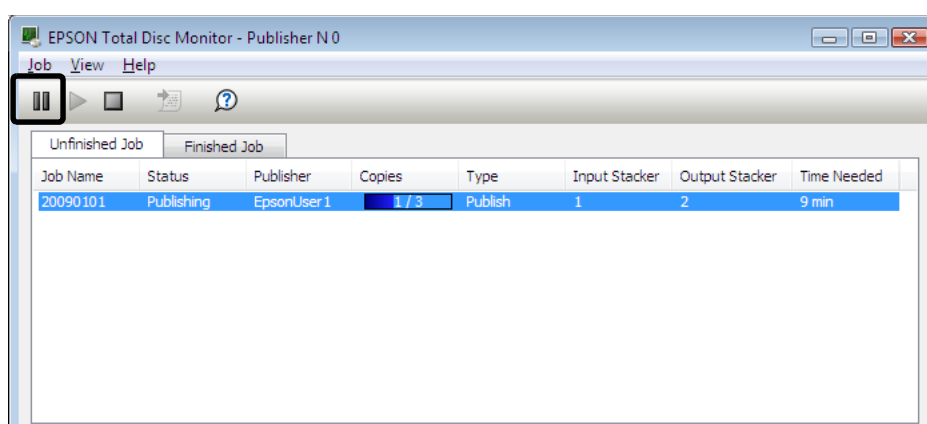
Use the following procedure when you want to pause the processing of a job.



Only a following job for which the status is Waiting, Publishing, Standby, or Recovering can be paused.

- Publisher: Job published by oneself.
- Approver: Job published by oneself and job approved by oneself in Security Mode.

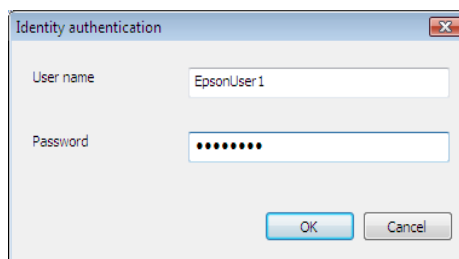
- 1 Start EPSON Total Disc Monitor.
See “Starting EPSON Total Disc Monitor” on page 50 in this guide for the start procedure.
- 2 Select the job for which you want to pause processing, and click  [Pause].



- 3 Enter your user name and password, and click [OK].



If you enter the wrong password three times in a row, the user account is locked and the password can no longer be used. (If notification email transmission is set by the administrator, an email is sent to the administrator to notify that the user account is locked.) In this case, ask the administrator to unlock the user account lock. The account lock of a user other than an administrator is unlocked automatically after one hour elapses.



When the job is paused, the job status display changes from Pausing to Paused.



- If there is a disc being published, the job is paused after the processing is finished.
- The processing of any subsequent job also does not start while the job is paused.

Notes

Selecting a paused job and clicking  (Cancel) allows you to cancel the job without resuming processing.


Resuming jobs

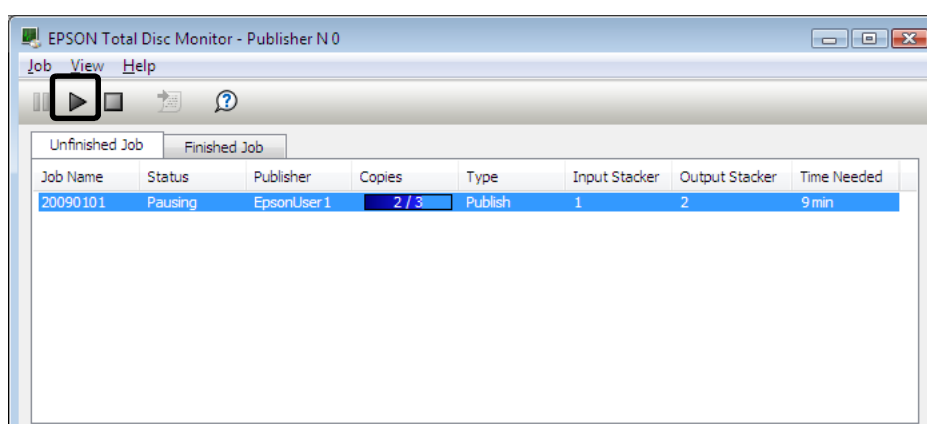
Use the following procedure to resume processing of a paused job.



Only a following job for which the status is Paused or Pausing can be resumed.

- Publisher: Job published by oneself.
- Approver: Job published by oneself and job approved by oneself in Security Mode.

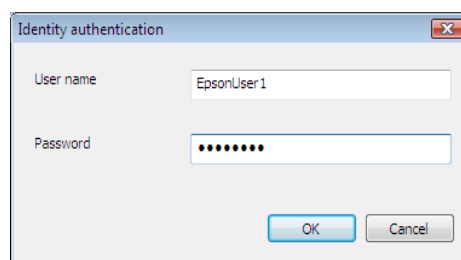
- 1 Start EPSON Total Disc Monitor.
See “Starting EPSON Total Disc Monitor” on page 50 in this guide for the start procedure.
- 2 Select the job for which you want to resume processing, and click  [Resume].



- 3 Enter your user name and password, and click [OK].



If you enter the wrong password three times in a row, the user account is locked and the password can no longer be used. (If notification email transmission is set by the administrator, an email is sent to the administrator to notify that the user account is locked.) In this case, ask the administrator to unlock the user account lock. The account lock of a user other than an administrator is unlocked automatically after one hour elapses.



When the job is resumed, the job status display changes from Paused to Publishing or Waiting.


Canceling jobs

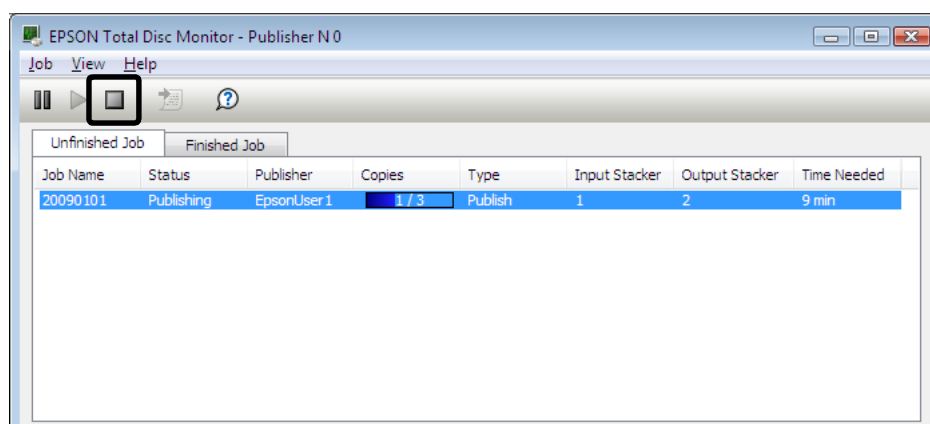
Use the following procedure to cancel processing of a job.



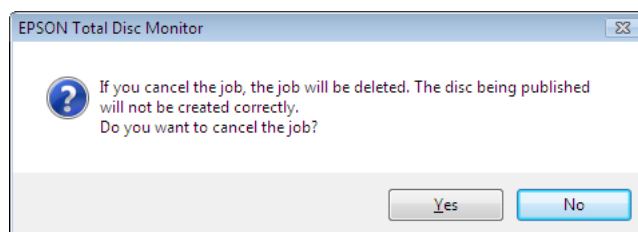
Only a following job for which the status is Waiting, Publishing, Paused, Pausing, Standby, or Recovering can be canceled.

- Publisher: Job published by oneself.
- Approver: Job published by oneself and job approved by oneself in Security Mode.

- 1 Start EPSON Total Disc Monitor.
See “Starting EPSON Total Disc Monitor” on page 50 in this guide for the start procedure.
- 2 Select the job you want to cancel, and click  [Cancel].



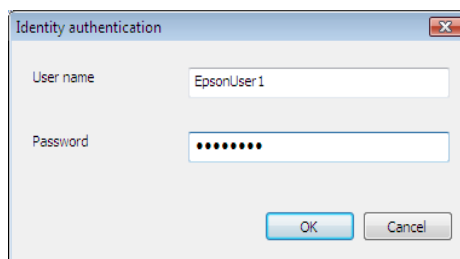
- 3 Click [Yes].



4 Enter your user name and password, and click [OK].



If you enter the wrong password three times in a row, the user account is locked and the password can no longer be used. (If notification email transmission is set by the administrator, an email is sent to the administrator to notify that the user account is locked.) In this case, ask the administrator to unlock the user account lock. The account lock of a user other than an administrator is unlocked automatically after one hour elapses.



When the job is canceled, the job appears in the [Finished Job] screen of EPSON Total Disc Monitor.



If a disc is being published, that processing is stopped, and the disc is output to Stacker 2. Be sure to take out the disc. See "Taking out discs" on page 114 in this guide for the procedure to take out discs.

Notes

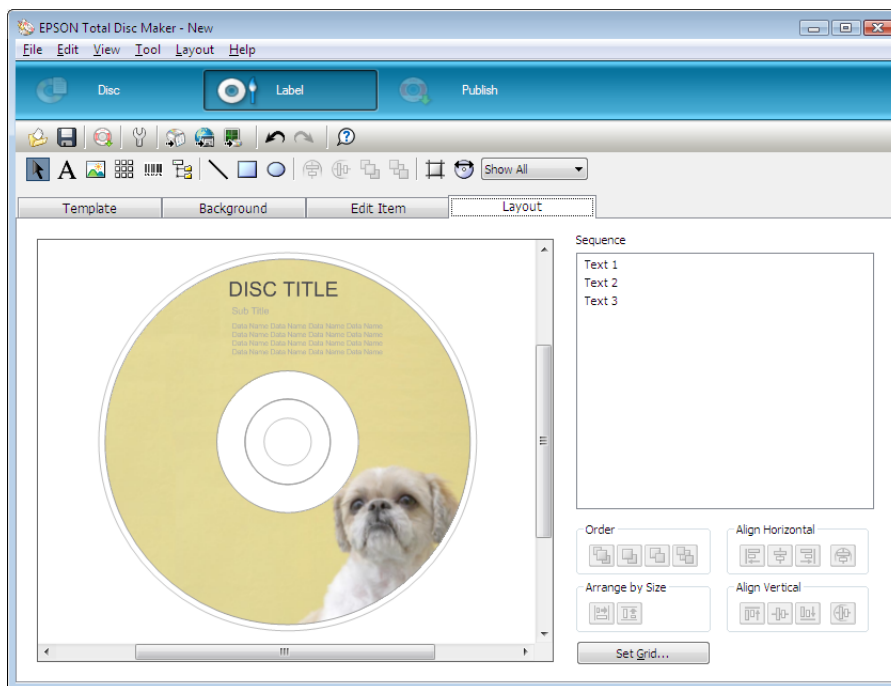
If notification email transmission is set by the administrator, an email is sent to the publisher to notify of the job finishing.

Convenient features

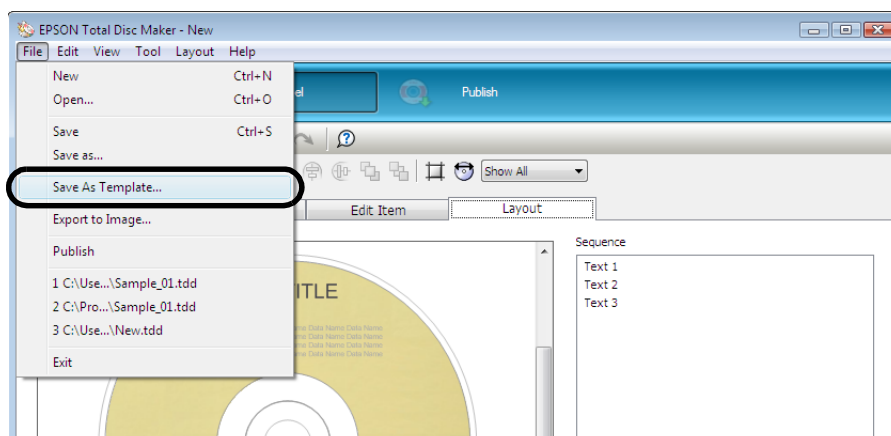
Creating label templates

You can save a label that you have created as a template.

- 1 Create a label in EPSON Total Disc Maker.
See “Creating labels” on page 84 in this guide for the procedure to create labels.



- 2 Click [Save As Template] on the [File] menu, and save the template file.



If you specify the name of the folder in which you saved the template file in [Source] on the [Template] screen, you can select the created template.

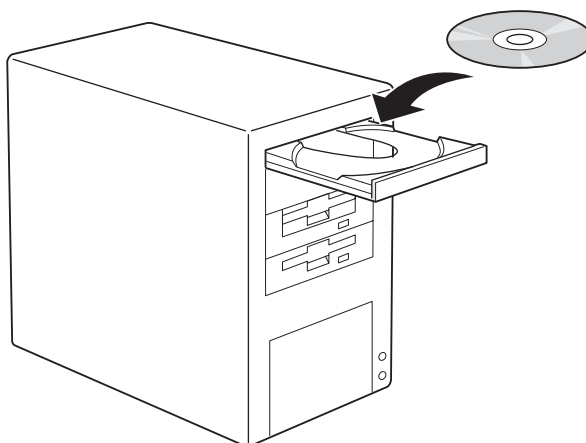
Creating copies directly from discs

You can directly create CD/DVD copies from a CD/DVD disc inserted in the drive of a client PC.



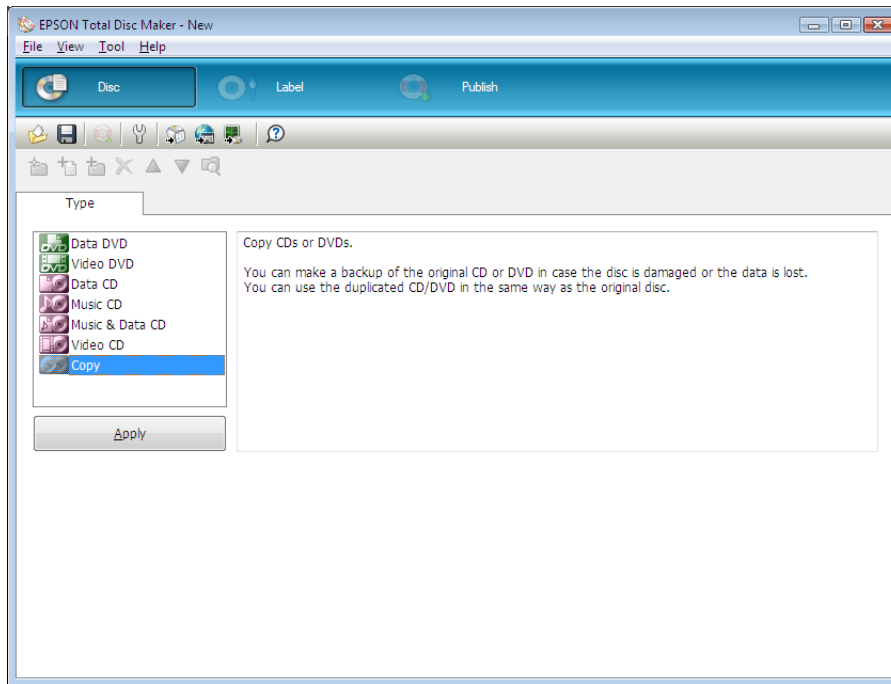
- Log on to Windows with a "computer administrator" account (user who has administrator authority). Since some drives cannot be accessed with user authority, copying is not possible.
- As the copy source, use a CD/DVD drive with support for commands compliant with MMC4, and capable of operations compliant with MMC4. (See Epson website for a list of drives for which operation has been confirmed.)
- CD/DVD copies may not be able to be created depending on the model of CD/DVD drive used as the source. In such a case, try changing the source CD/DVD drive.
- Copying is not possible if the source disc is a multi-session CD/DVD. If the source disc is a packet written CD, it cannot be copied.

- 1 Insert the disc you want to create a copy of in the drive of the PC.

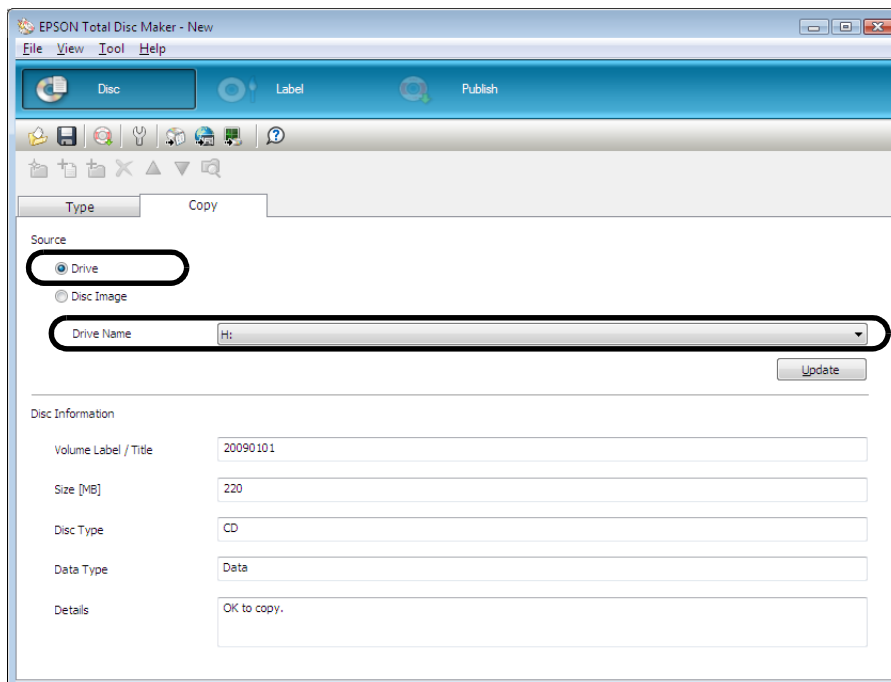


- 2 Start EPSON Total Disc Maker.
See "Starting EPSON Total Disc Maker" on page 42 in this guide for the start procedure.

- 3 Select [Copy] for [Type], and click [Apply].



- 4 Select [Drive] for [Source], and select the name of the drive in which you inserted the disc.



Next, follow the normal procedure for creating a disc, and create the label (see page 84 in this guide) and publish the disc (see page 97 in this guide).

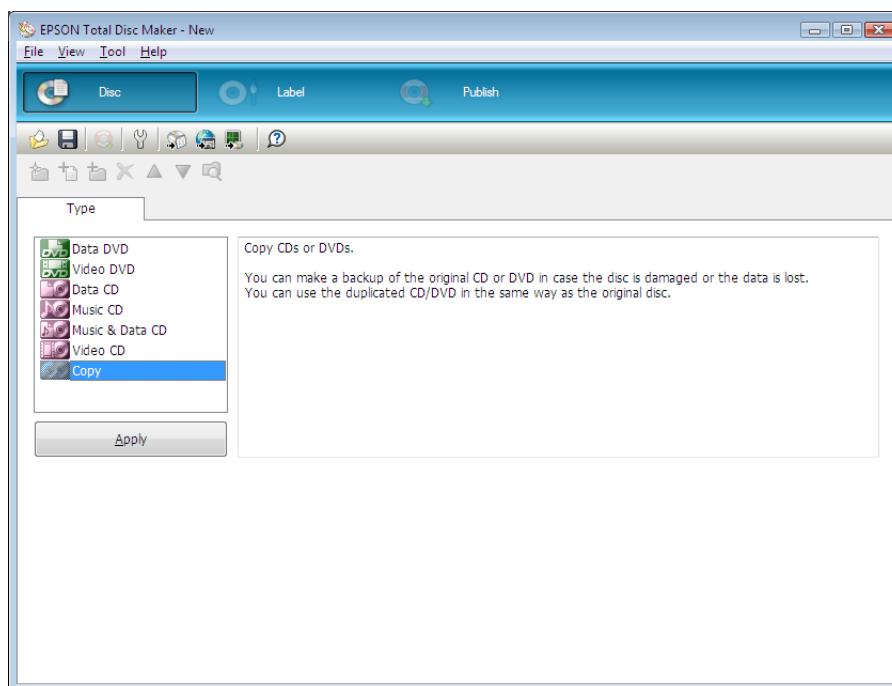
Creating copies from disc image files

You can use a disc image file to create CD/DVD copies.

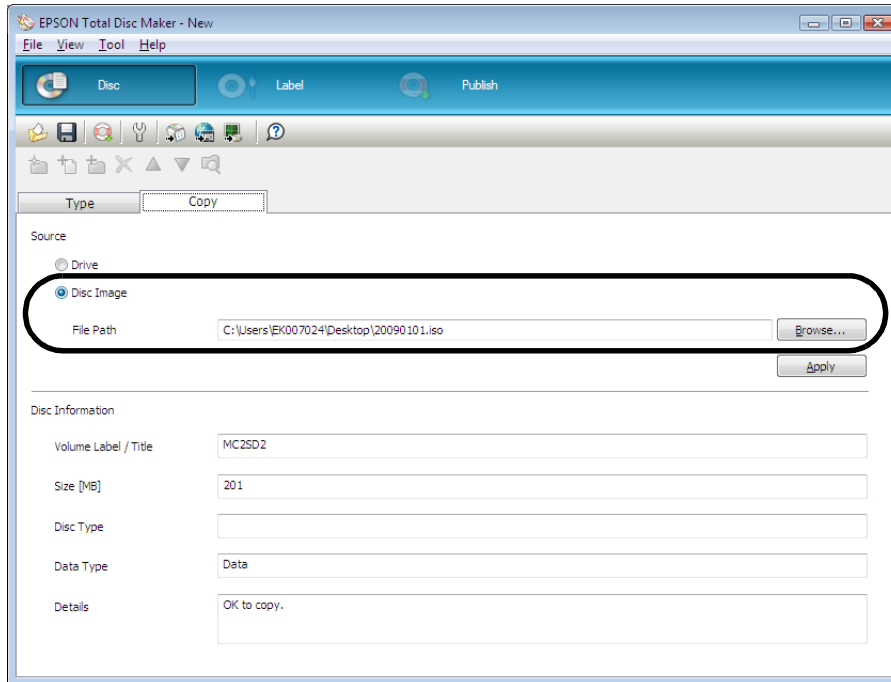
Notes

If you click (Create Disc Image) on the (File) menu after registering write data (see page 80 in this guide), you can create a disc image file.

- 1 Start EPSON Total Disc Maker.
See “Starting EPSON Total Disc Maker” on page 42 in this guide for the start procedure.
- 2 Select [Copy] for [Type], and click [Apply].



- 3 Select [Disc Image] for [Source], click [Browse], and specify the disc image file.



Next, follow the normal procedure for creating a disc, and create the label (see page 84 in this guide) and publish the disc (see page 97 in this guide).

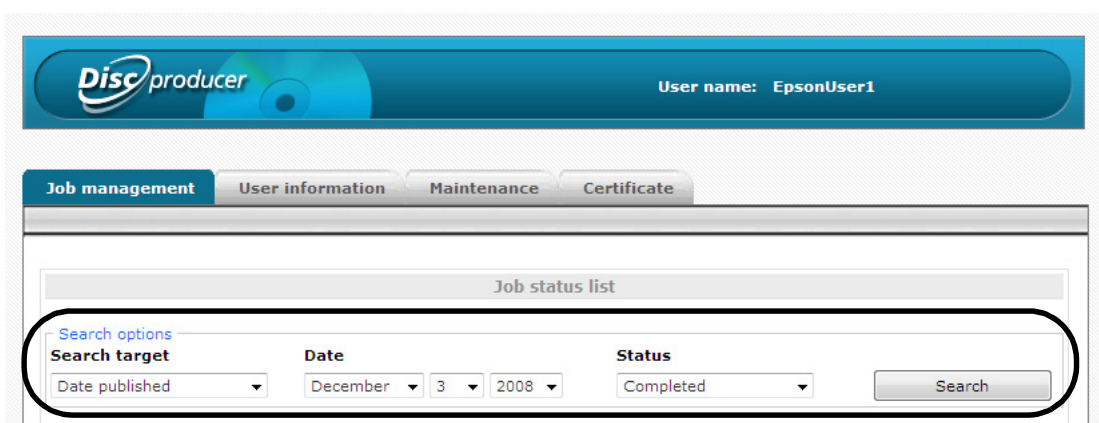
Creating same discs as published discs

Publishing a job again allows you to easily create discs with the same content (data/label) as a disc you have already created.



- Creating the same disc is only possible if the job data was saved when the job was published. (See page 99 in this guide.)
- If Auto Data (Publish Date or Publish Time) is inserted as label print data, the saving of Job data may not be possible.
- As a precaution in case the spool data (job data) is lost because of trouble with the product's internal hard disk, we recommend using the file save function of EPSON Total Disc Maker to save the data file (.tdd file) and write data to a computer.

- 1 Log in to EPSON Total Disc Net Administrator.
See "Logging in to EPSON Total Disc Net Administrator" on page 55 in this guide for the login procedure.
- 2 Use the search options to find the job for which you want to create another disc.



When a job can be created,  is displayed.



The screenshot shows the Disc producer web interface. At the top, the logo and 'User name: EpsonUser1' are visible. Below the navigation tabs, the 'Job status list' section contains search filters and a table of jobs. The table has columns for Date published, Job name, Status, and Publisher. The first row shows a job published on Dec 3, 2008, named 'sample_data', with a status of 'Completed' and publisher 'EpsonUser1'. A red box highlights a disc icon in the rightmost column of this row. Below the table, it indicates '1/1' jobs and 'Jobs that can be republished: 1'.



- The same disc can only be created when the status of the job is Waiting to be ejected or Completed.
- The same disc cannot be created if a different disc type is set in the output device settings. Ask the administrator to change the setting.

3 Click [Details].



This screenshot is identical to the previous one, but the 'Details' button in the first row of the job status list is now highlighted with a red box, indicating the next step in the process.

4 Click [Republish].

<PIN Controlled Mode Screen>

The screenshot shows the Discproducer software interface. At the top, the logo 'Discproducer' is on the left and 'User name: EpsonUser1' is on the right. Below the logo is a navigation bar with tabs: 'Job management' (selected), 'User information', 'Maintenance', and 'Certificate'. A 'Back' button is located to the right of the navigation bar. The main content area is titled 'Job details' and is divided into several sections:

- Disc information**: A sub-section titled 'Data' containing a table with columns 'Name', 'Size', and 'Date Modified'. It lists three folders: 'sample_data_1', 'sample_data_2', and 'sample_data_3'.
- Basic information**: A table with the following entries:

Job name	sample_data
Publisher	EpsonUser1
Date published	Dec 3, 2008 17:02:58
Last updated	Dec 3, 2008 17:28:15
Status	Completed
- Publishing information**: A table with the following entries:

Job type	Publish
Write verification	None
Write speed	40 X
Number of discs to be published	1 Disc(s)
Number of discs published	1 Disc(s)
- Finished Job Details**: A section stating 'Publishing was completed.' and a 'Republish' button.

At the bottom left, there is a 'Disc type' dropdown set to 'Data CD' and a 'Size' progress bar showing 0 out of 650,700 bytes (11.1 MB).

<Security Mode Screen>

The screenshot displays the 'Disc producer' software interface. At the top, the user name is 'EpsonUser1'. The main menu includes 'Job management', 'User information', 'Maintenance', and 'Certificate'. The 'Job details' screen is active, showing a table of data folders and various job parameters.

Data		
Name	Size	Date Modified
+ sample_data_1		
+ sample_data_2		
+ sample_data_3		

Disc type: Data CD
Size: 0 / 650 700 (11.1 MB)

Basic information	
Job name	sample_data
Publisher	EpsonUser1
Date published	Dec 3, 2008 16:29:29
Last updated	Dec 3, 2008 16:32:41
Status	Completed

Publishing information	
Job type	Publish
Write verification	None
Write speed	40 X
Number of discs to be published	1 Disc(s)
Number of discs published	1 Disc(s)

Approval workflow	
Date of application	Dec 3, 2008 16:29:55
Date of approval or denial	Dec 3, 2008 16:30:20
Approved by	EpsonApprover1
Reason for application	<input type="text"/>

Finished Job Details	
Publishing was completed.	

Republish

In PIN Controlled Mode, proceed to Step 5.

In Security Mode, proceed to the approval workflow. See "Flow for publishing discs" on page 80 in this guide for details.

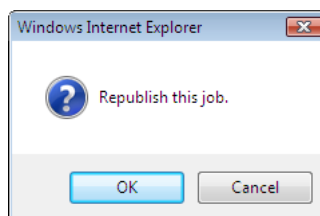
Notes

When making a job application in the approval workflow, you can change (Number of discs to be published) in the (Details) screen of the job.

- 5 Change [Number of discs to be published] as necessary, and click [Publish].

The screenshot shows the 'Disc producer' application window. At the top right, the user name is 'EpsonUser1'. Below the navigation tabs (Job management, User information, Maintenance, Certificate), the 'Job details' section is active. It is divided into 'Disc information' and 'Basic information'. Under 'Disc information', a 'Data' folder contains three sub-folders: 'sample_data_1', 'sample_data_2', and 'sample_data_3'. The 'Basic information' section lists: Job name (sample_data), Publisher (EpsonUser1), Date published (Dec 3, 2008 20:11:09), Last updated (Dec 3, 2008 20:11:09), and Status (Registered). The 'Publishing information' section includes: Job type (Publish), Write verification (None), Write speed (40 X), Number of discs to be published (3 Disc(s)), and Number of discs published (0 Disc(s)). The 'Number of discs to be published' field is highlighted with a red circle. At the bottom, there are 'Publish' and 'Cancel' buttons.

- 6 Click [OK].



The disc publishing process begins.



If there are jobs waiting to be processed, the disc publishing process begins in the order with which jobs were published.

- 7 When the publishing process finishes, take out the published discs.
See "Taking out discs" on page 114 in this guide for details.

Notes

If notification email transmission is set by the administrator, when the discs are finished publishing, email is sent to the publisher to notify of the job finishing.

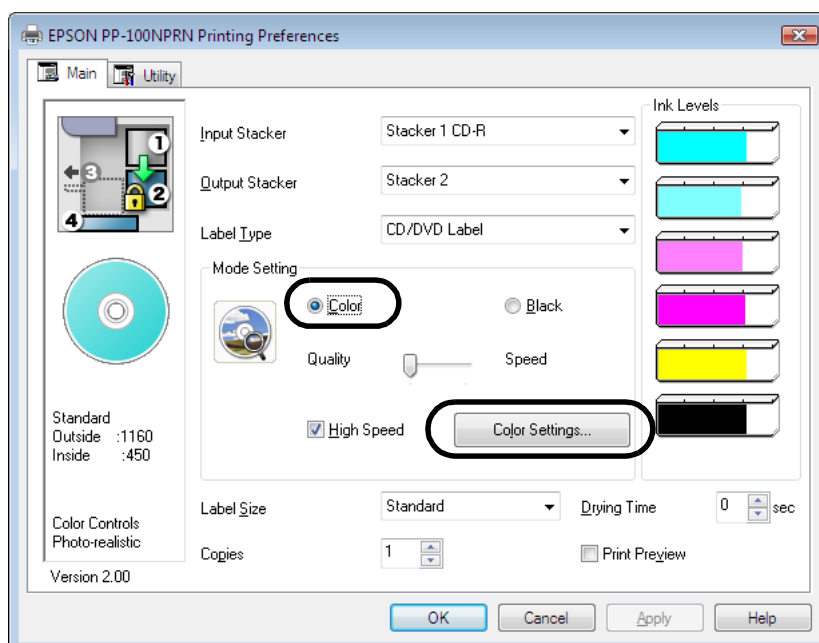
Adjusting print colors

This section describes how to adjust the colors of print data and then print a label.

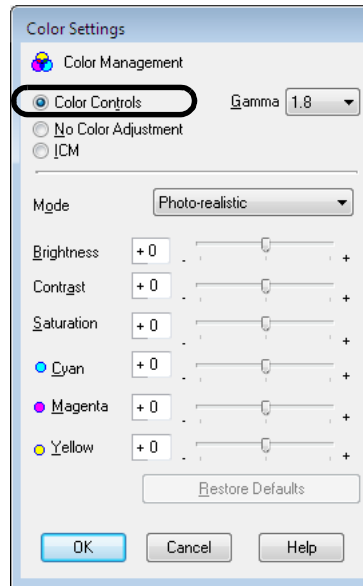
Notes

- You can just make color adjustments at the time of printing without making color adjustments to the actual data.
- If (Mode Setting) is set to (Black) on the (Main) screen of the printer driver, color adjustments cannot be made.

- 1 Display the setting screen of the printer driver.
See “Displaying the printer driver screen” on page 65 in this guide for the display procedure.
- 2 Select [Color], and click [Color Settings].



3 Select [Color Controls], set each color item, and click [OK].



	Adjust the color balance of the data to print in accordance with the following (Mode) settings.	
Mode	Photo-realistic	Uses the standard color correction of the printer driver for printing. Performs color processing to create a more natural color state.
	Vivid	Performs color processing to increase color saturation to strengthen the intensity of colors.
	EPSON Standard	Performs color processing to obtain the standard colors of Epson.
	Adobe RGB	Performs color processing with Adobe RGB for wider color space. Select this options when, for example, printing print data that includes Adobe RGB color space information.
Brightness	Adjusts the brightness of the whole image. This is effective when the whole image is dark or bright.	
Contrast	Adjusts the contrast ratio of the image. The standard is 0. Sliding the slider in the plus (+) direction raises the contrast to make the brighter parts brighter and the darker parts darker. Sliding the slider in the minus (-) direction lowers the contrast to reduce the difference between the bright parts and dark parts of the image.	
Saturation	Adjusts the color saturation of the image. The standard is 0. Sliding the slider in the plus (+) direction raises the saturation to strengthen the colors. Sliding the slider in the minus (-) direction lowers the saturation, resulting in achromatic color close to gray.	
Cyan	- setting: Strengthens red. + setting: Strengthens cyan.	
Magenta	- setting: Strengthens green. + setting: Strengthens magenta.	
Yellow	- setting: Strengthens blue. + setting: Strengthens yellow.	

Maintenance


Checking maintenance information

This section describes how to check information that is useful when carrying out maintenance and providing support for this product.

Checking device information

Use the following procedure to check the usage status of the internal drives and the number of published discs.

- 1 Log in to EPSON Total Disc Net Administrator.
See “Logging in to EPSON Total Disc Net Administrator” on page 55 in this guide for the login procedure.
- 2 Click the [Maintenance] tab.



The screenshot shows the EPSON Total Disc Net Administrator interface. At the top, the 'Disc producer' logo is visible on the left, and the user name 'EpsonUser1' is displayed on the right. Below the header, there are four tabs: 'Job management', 'User information', 'Maintenance', and 'Certificate'. The 'Maintenance' tab is currently selected and highlighted with a black circle. The main content area is titled 'Job status list' and contains a search section with the following options:

- Search target: Date published
- Date: December 3, 2008
- Status: All
- Search button

Below the search section is a table with the following data:

	Date published	Job name	Status	Publisher	
Details	Dec 3, 2008	DVD_Video	Publishing	EpsonUser1	
Details	Dec 3, 2008	sample_data	Completed	EpsonUser1	
Details	Dec 2, 2008	20090101	Completed	EpsonUser1	

At the bottom of the table, it shows '1/1' indicating one page of results. Below the table, there is a note: 'Jobs that can be republished: 1'.

The usage statuses of drivers 1 and 2, and the number of published discs appear in the [Device] screen.

The screenshot displays the 'Disc producer' software interface. At the top, the user name is 'EpsonUser1'. The main navigation bar includes 'Job management', 'User information', 'Maintenance' (selected), and 'Certificate'. The 'Device' tab is active, showing 'Data' for three categories: Drive1 Information, Drive2 Information, and Printer Information. Drive1 and Drive2 both show 0% service life, while the printer has printed 455 discs.

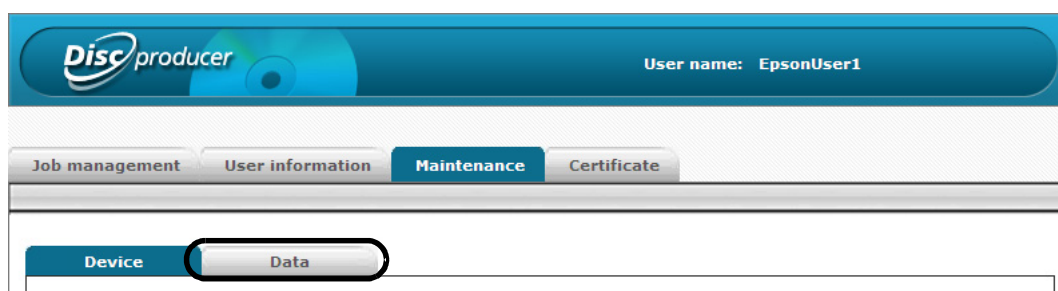
Category	Item	Value
Drive1 Information	Service Life of Drive	0 %
Drive2 Information	Service Life of Drive	0 %
Printer Information	Number of Printed Copies	455 Disc(s)

Downloading operation log

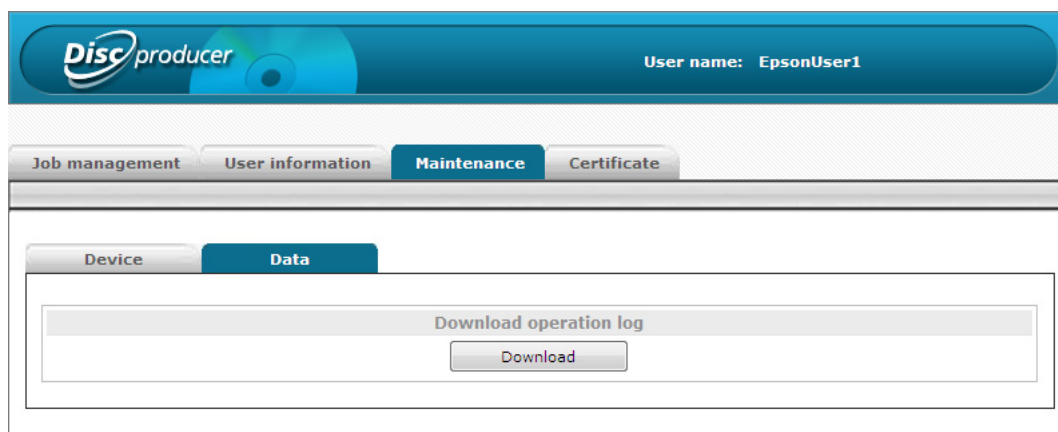
The history of this product's operations and actions are recorded as an operation log. You can download an operation log file for 30 days of operation. Use the operation log file for maintenance and support.

Use the following procedure to download the operation log file.

- 1 Log in to EPSON Total Disc Net Administrator.
See "Logging in to EPSON Total Disc Net Administrator" on page 55 in this guide for the login procedure.
- 2 Click the [Data] tab of the [Maintenance] screen.



- 3 Click [Download].



- 4 Specify the save location for the operation log file, and then save the operation log file.

Changing the ink cartridge

Checking the ink levels

When it becomes time to replace even one of the ink cartridges, printing is no longer possible.

When it is almost time to replace the ink cartridges, a message is displayed on the LCD notifying you that the ink cartridges need to be replaced soon. If this message is displayed, prepare new ink cartridges.

When it is time to replace the ink cartridges, printing stops immediately before the ink runs out, and a message saying that the ink cartridges need to be replaced is displayed on the LCD. See "Replacing the ink cartridges" on page 140 in this guide for the ink cartridge changing procedure.

Notes

If an administrator has set notification email transmission, an email is sent to notify each administrator that the ink cartridges need to be replaced soon or that the ink cartridges need to be replaced.

You can check the ink levels in EPSON Total Disc Monitor. See the Help file for EPSON Total Disc Monitor for details.

Notes

- When the ink cartridges are installed for the first time (during setup), ink is consumed for filling, and so the time to replace the cartridges is earlier than normal.
- Even when Black is selected in the printer driver, all the ink colors are used in an operation designed to maintain the printing and print head quality.
- The product stops running before the ink is completely empty to maintain print head quality. Therefore, some ink will be left in the ink cartridge.

Replacing the ink cartridges

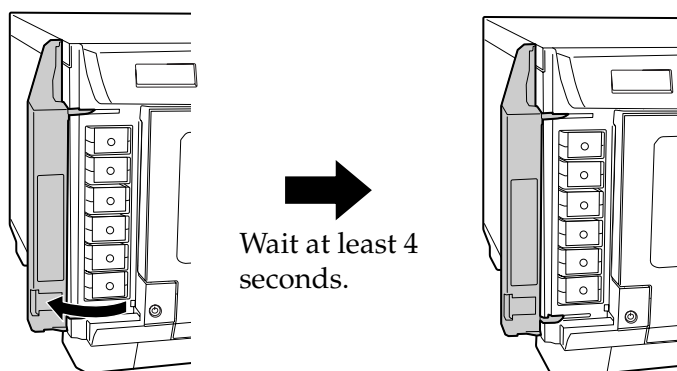
This section describes how to replace the ink cartridges, using light magenta as an example. The replacement positions differ for the other colors, but the procedure is the same.

See “Ink cartridge” on page 176 in this guide for the ink cartridge model numbers.



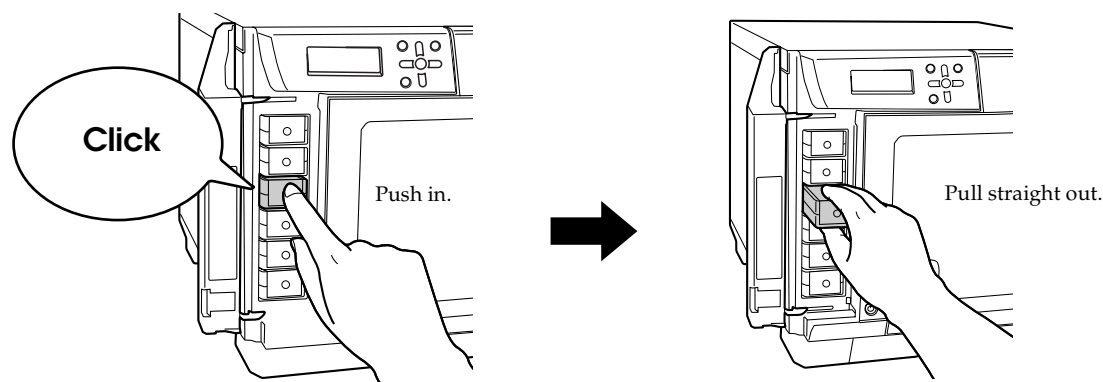
- Use of Epson brand ink cartridges is recommended. Use of non-Epson brand ink cartridges can result in problems that will not be covered by the warranty.
- Epson cannot guarantee the quality and reliability of non-Epson brand products. Repairs for any damage or breakdown of this product due to the use of non-Epson brand products will not be free of charge even if the warranty period is still valid.
- This product performs color adjustment based on use of Epson brand ink cartridges. Use of non-Epson brand ink products can adversely affect the printing quality and prevent the product from realizing its maximum performance.
- The ink level for non-Epson brand inks is not displayed in the printer driver or other indicators.
- Do not place the ink cartridge with the ink supply holes facing downward. This could cause stains on a desk or other surface. In addition, dirt stuck on this product may prevent it from functioning properly.
- Do not store ink cartridges in environments exposed to high temperatures, freezing or direct sunlight.

- 1 Open the ink cartridge cover, and wait at least 4 seconds until internal operations stop.



If you take out the ink in less than 4 seconds, there is a risk that the ink may spurt out.

- 2 Gently push in the ink cartridge until you hear a click, unlock the lock, and then slowly pull it straight out.



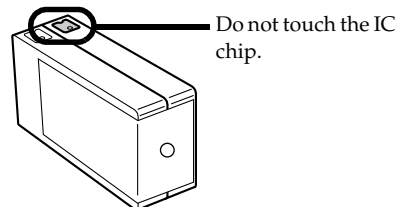


- Ink may leak from the ink supply port on the ink cartridge you pulled out.
- Once an ink cartridge is used, there may be some ink around the ink supply port, so do not touch it.

3 Take the ink cartridge out of its package.

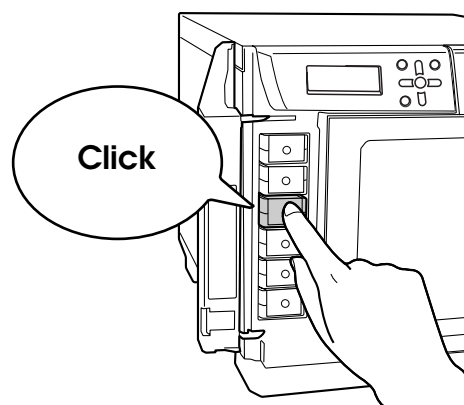


- For optimum printing quality, only open the clear plastic package immediately before installing. After opening the cartridge, try to use it up within six months. If you use an ink cartridge that has been left open for a long time, the print quality may decline.
- When you open the plastic package, be careful not to drop the ink cartridge. The ink may leak out.
- Do not leave the ink supply port on an ink cartridge facing downward. This could stain the desk or other surface. In addition, dirt stuck on this product may prevent it from functioning properly.
- Do not shake the ink cartridge too hard. The ink cartridge may leak if you shake it around too much.
- Do not touch the green IC chip attached to the ink cartridge. Also, never peel off the labels and film attached to the ink cartridge. This could prevent you from properly setting, operating, or printing with the ink cartridge, or ink could leak out.



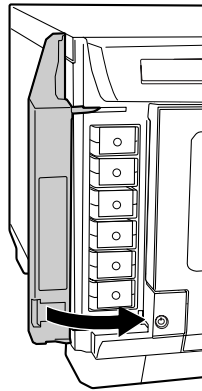
- Use up the ink cartridge before the expiration date printed on the box.

4 Use the label color to check where to set the ink cartridge, and gently push the new ink cartridge into the ink cartridge holder on this product until you hear a click.



- Do not repeatedly take out and put in an ink cartridge which has been set. Ink could stain the ink cartridge or the product.

5 Close the ink cartridge cover.



- Do not turn off the power or open the ink cartridge cover while the power LED is flashing. These actions make the ink be charged again, which results in a noticeable consumption of ink. In addition, there is a risk that you will not be able to print properly.
- If the ink cartridges are not recognized even though they are set properly, dirt may be stuck on the green IC chip surface. Wipe it off with a soft cloth, and then set it again.
- If you cannot print even though the ink cartridges are set properly, run print head cleaning. See "Cleaning the print head" on page 146 in this guide for head cleaning procedure.
- If you turn the power off using the power button on the unit, the print head is automatically capped, which prevents the ink from drying. After installing the ink cartridges, be sure to turn the power off using the power button on the unit when you are not using the product. Do not pull out the power plug or trip the breaker while the power is on. Do not pull out the power plug or trip the breaker while the power is on.
- If you move or transport this product after you have installed the ink cartridges, leave the ink cartridges as they are when you move or transport it.
- Do not take out the ink cartridges unless you are replacing them.

Checking the print head nozzles

If the print head nozzles are clogged, the printing may be faint even though there is ink, or unusual colors may be printed. The nozzle check prints a pattern for checking the status of the nozzles, and you can check if the nozzles are clogged by looking at this pattern.

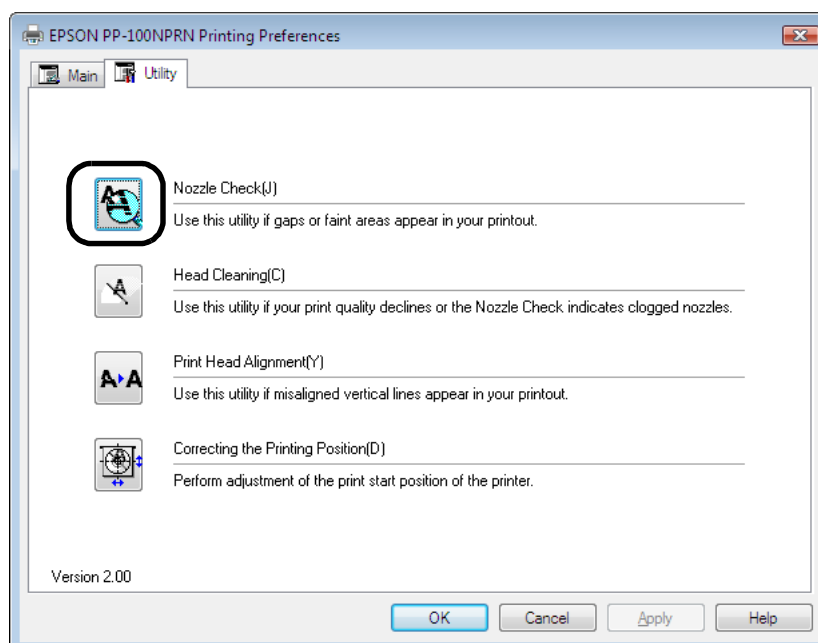
How to perform a nozzle check

There are the following two ways to run a nozzle check.

- Run it using a PC
- Run it using the control panel on the product

Running it from a PC

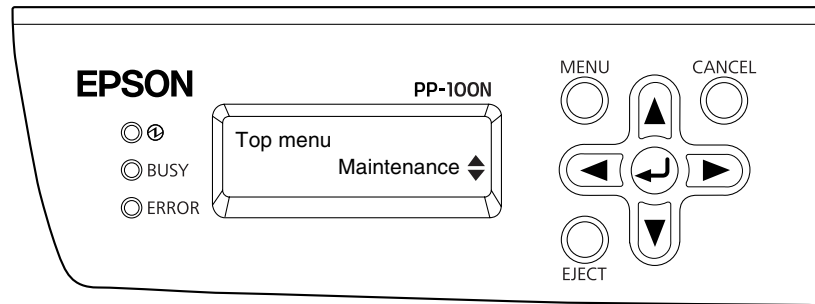
- 1 Turn the product on.
- 2 Set one unprinted disc into Stacker 1.
- 3 Display the setting screen of the printer driver.
See “Displaying the printer driver screen” on page 65 in this guide for display procedure.
- 4 Click [Nozzle Check] in the [Utility] tab.
Then, follow the on-screen instructions.



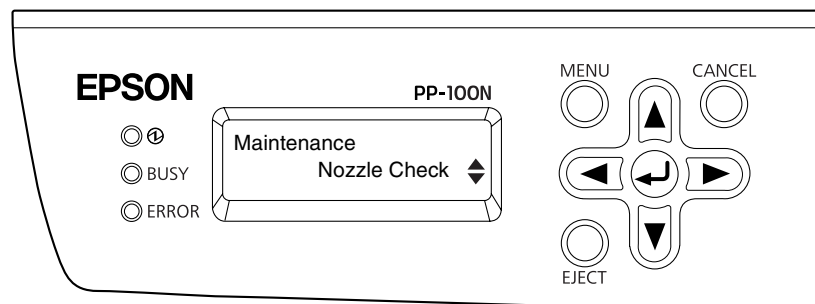
The disc on which the nozzle check pattern was printed is output to Stacker 4.
See “Checking the nozzle check results” on page 145 in this guide for how to check the nozzle check results.

Running it using the control panel on the product

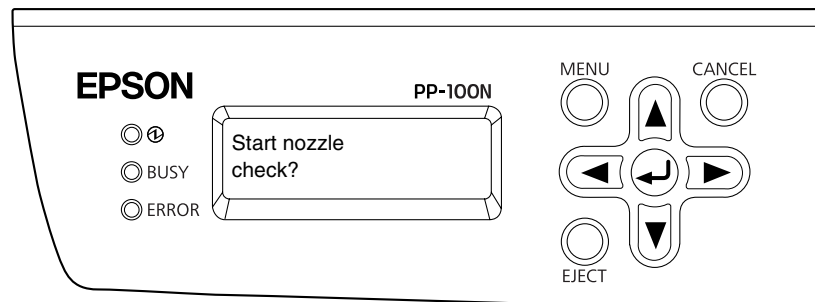
- 1 Turn on the power of this product.
- 2 Press the [MENU] button.
The top menu appears.
- 3 Use the ▲/▼ buttons to display the maintenance screen, and then press the ↵ button.



- 4 Use the ▲/▼ buttons to display [Nozzle Check], and then press the ↵ button.



- 5 When the nozzle check confirmation screen appears, press the ↵ button.



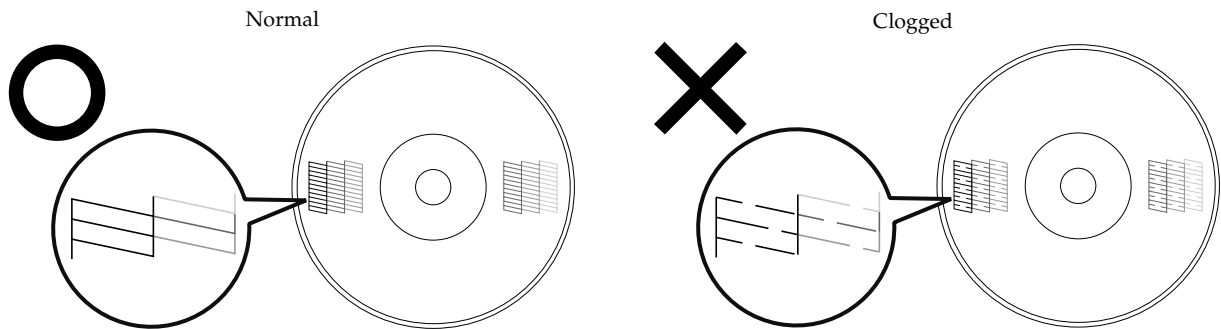
The disc on which the nozzle check pattern was printed is output to Stacker 4.
See "Checking the nozzle check results" on page 145 in this guide for how to check the nozzle check results.

Checking the nozzle check results

Look at the pattern printed during the nozzle check, and see whether or not print head cleaning is necessary.

If it is normal, all of the lines are printed as shown in the illustration on the left below.

If there are lines that were not printed, as shown in the illustration on the right below, the nozzles are clogged. Run print head cleaning. See “How to clean the print head” on page 147 in this guide for details on head cleaning.



Cleaning the print head

If the print head nozzles are clogged, the printing may be faint even though there is ink, or unusual colors may be printed. If this happens, run print head cleaning. (See “How to clean the print head” on page 147 in this guide.)

Notes

Print head cleaning consumes ink. Before running print head cleaning, you can run a nozzle check to check whether or not the nozzles are clogged. This makes it possible to prevent consuming extra ink during print head cleaning. See “Checking the print head nozzles” on page 143 in this guide for details on the nozzle check.

Normal



Clogged



Causes and Solutions for Print Head Drying

Cause	Prevention
This product has a print head cap to prevent it from drying, the same way there are caps for fountain pens or ballpoint pens. Normally, the print head is automatically capped after printing finishes, but if the power suddenly goes off while the product is running, it is not capped properly and it dries out.	<ul style="list-style-type: none"> • Plug the power plug into an outlet directly attached to the wall. Do not connect it to a power strip with a switch. • Be sure to turn the power on and off using the power button.
If you do not use this product for a long time, the print head may dry out and become clogged, the same way a fountain pen dries up and no longer writes if it has been left open for a long time.	We recommend that you print regularly. You can maintain the print head in optimal condition by printing regularly.
If you take the ink cartridges out and leave them out, the print head dries out.	Do not take out the ink cartridges and leave them out.

How to clean the print head

Head cleaning is a function for cleaning the surface of the print head to maintain the print quality. Run head cleaning if the printing becomes faint or gaps appear in the printing.

There are the following two ways to run head cleaning.

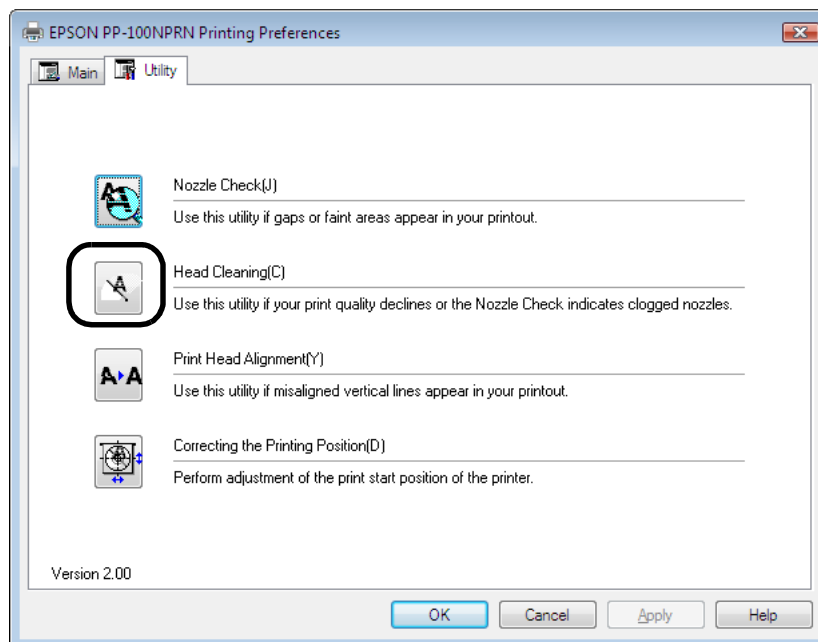
- Running it from a PC
- Running it using the control panel on the product



- Do not open the ink cartridge cover while cleaning the print head. Print head cleaning stops if the cover is opened.
- Print head cleaning consumes ink. Note that if you run head cleaning more than necessary, the lifetime of the ink cartridges is reduced.
- If there is a job being published, head cleaning starts after processing of the job is finished.

Running it from a PC

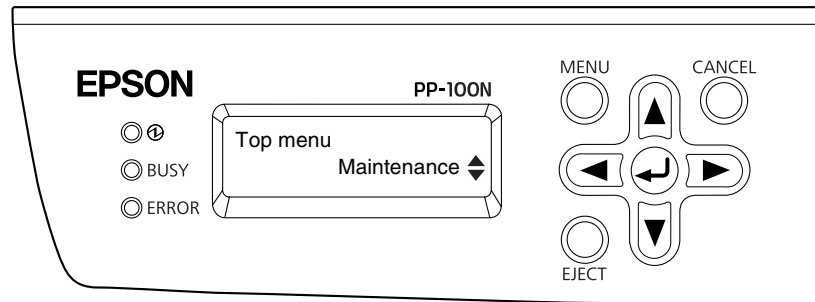
- 1 Display the printer driver setup screen.
See “Displaying the printer driver screen” on page 65 in this guide for details on how to display the printer driver screen.
- 2 Click [Head Cleaning] in the [Utility] tab.
Then, follow the on-screen instructions.



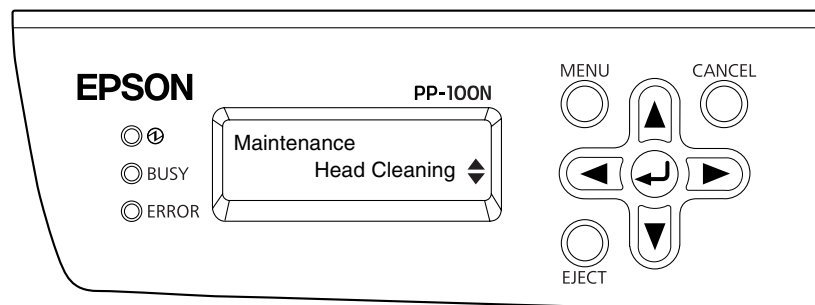
The BUSY LED flashes, and head cleaning starts.
When head cleaning is finished, the BUSY LED goes off.

Running it using the control panel on the product

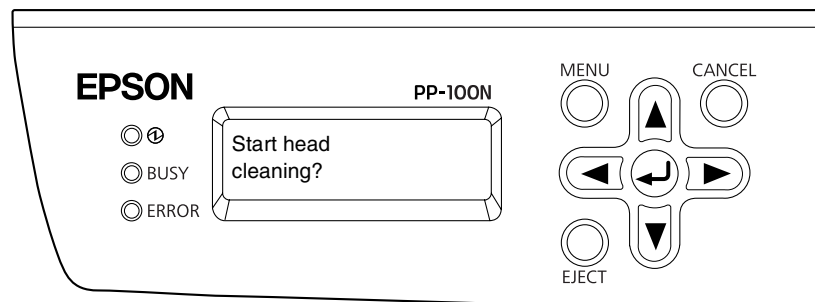
- 1 Turn the product on.
- 2 Press the [MENU] button.
The top menu appears.
- 3 Use the ▲/▼ buttons to display the maintenance screen, and then press the ↵ button.



- 4 Use the ▲/▼ buttons to display [Head Cleaning], and then press the ↵ button.



- 5 When the head cleaning confirmation screen appears, press the ↵ button.

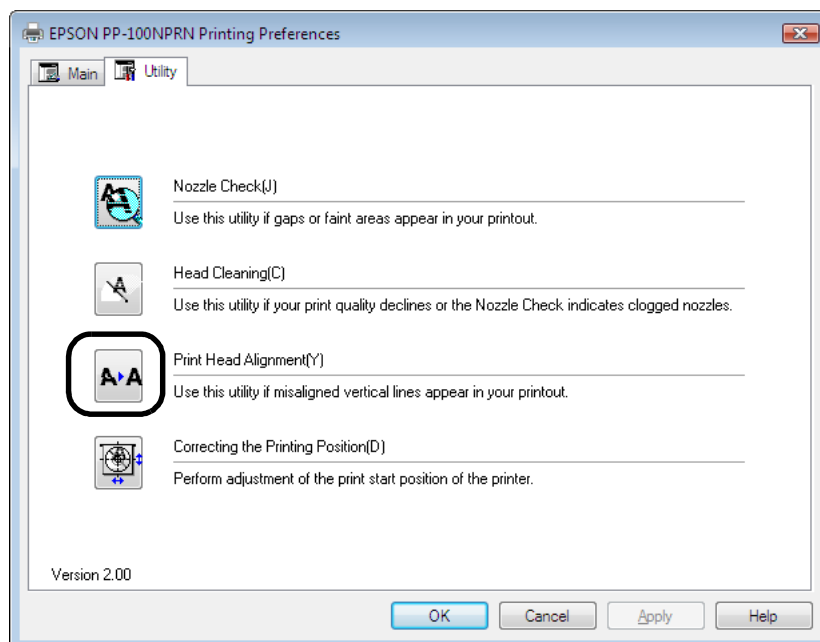


The BUSY LED flashes, and head cleaning starts.
When head cleaning is finished, the BUSY LED goes off.

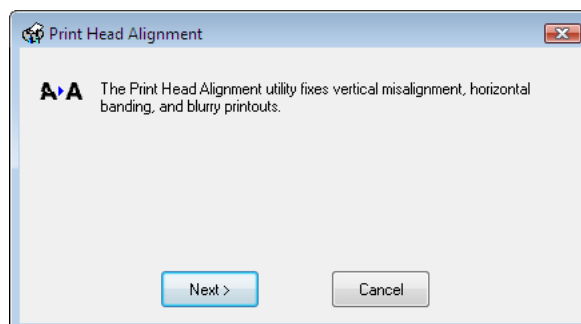
Print head alignment

If the print position when the print head moves from right to left is not aligned with the print position when the print head moves from left to right, gaps may appear in vertical lines, and the print results may become blurry. If this happens, run print head alignment.

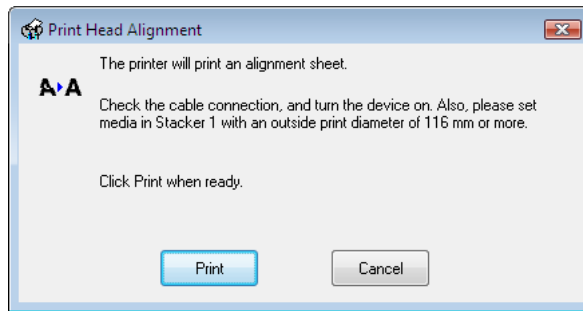
- 1 Turn the product on.
- 2 Set one unprinted disc into Stacker 1.
- 3 Display the printer driver setup screen.
See “Displaying the printer driver screen” on page 65 in this guide for how to display the printer driver screen.
- 4 Click [Print Head Alignment] in the [Utility] tab.



- 5 Click the [Next] button.



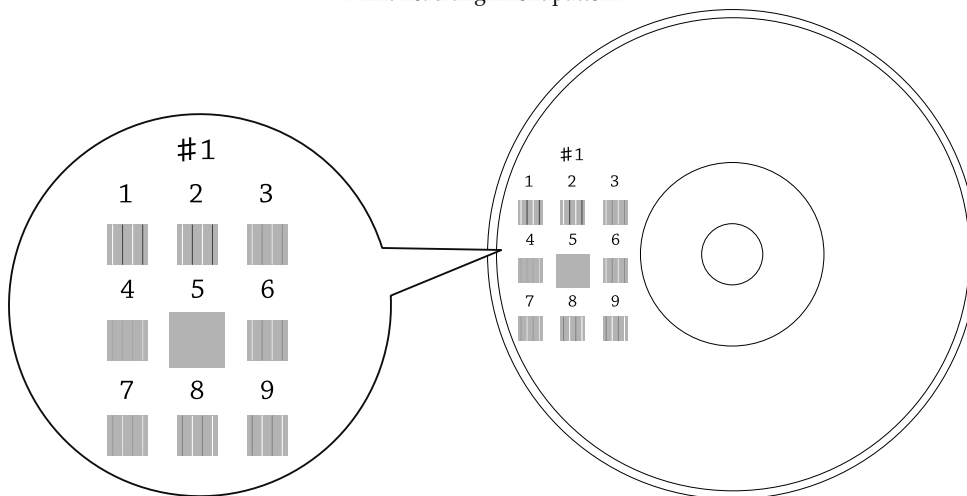
- 6 Click the [Print] button.



The disc on which the print head alignment pattern was printed is output to Stacker 4.

- 7 Check the printed print head alignment pattern.

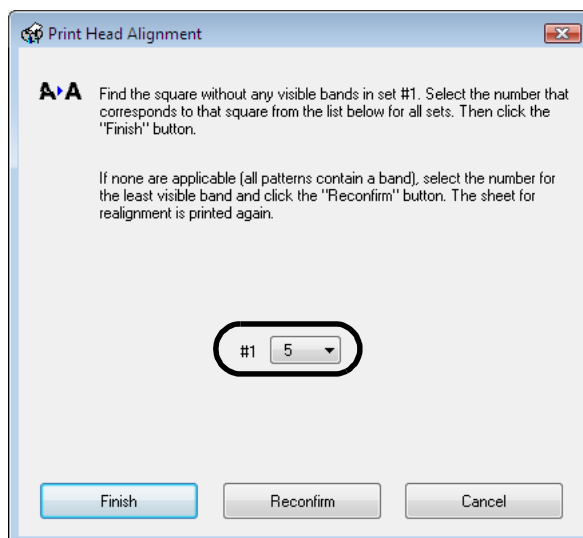
Print head alignment pattern



- 8 Select the number of the pattern with the fewest vertical lines.

In the illustration above, the pattern with the fewest vertical lines is "5", so select "5."

If you want to print the print head alignment pattern again, to check it, set a disc in Stacker 1, and click the [Reconfirm] button.

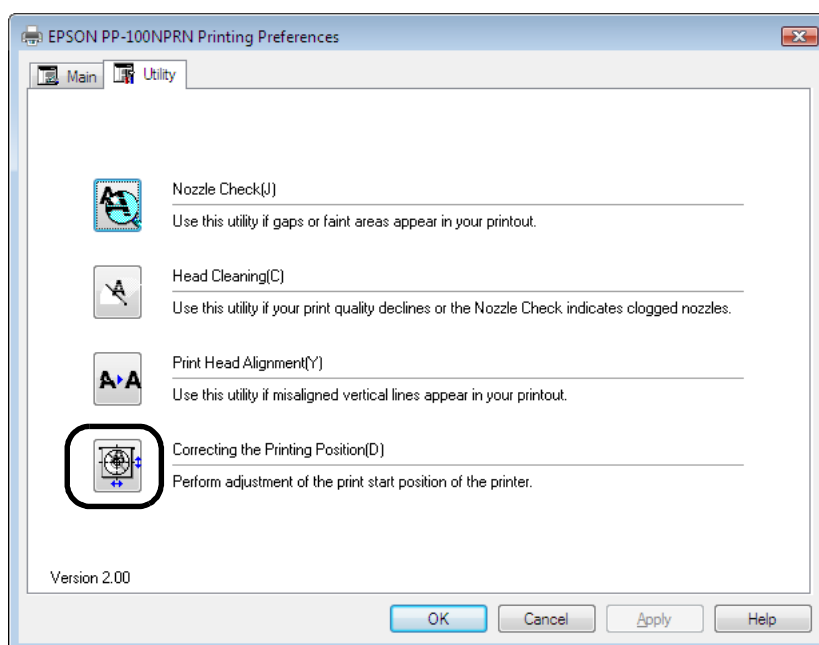


- 9 Click [Finish].

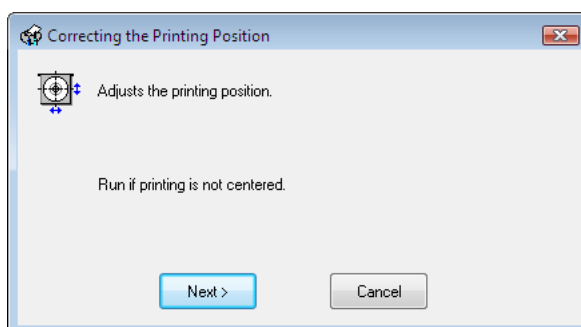
Correcting the printing position

Adjust the printing position if it has shifted towards the top, bottom, left, or right.

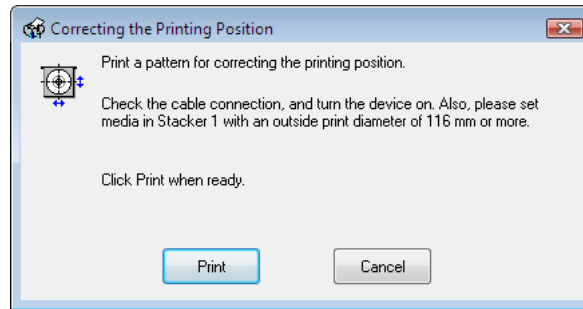
- 1 Turn the product on.
- 2 Set one unprinted disc into Stacker 1.
- 3 Display the printer driver setup screen.
See "Displaying the printer driver screen" on page 65 in this guide for how to display the printer driver screen.
- 4 Click [Correcting the Printing Position] in the [Utility] tab.



- 5 Click [Next].



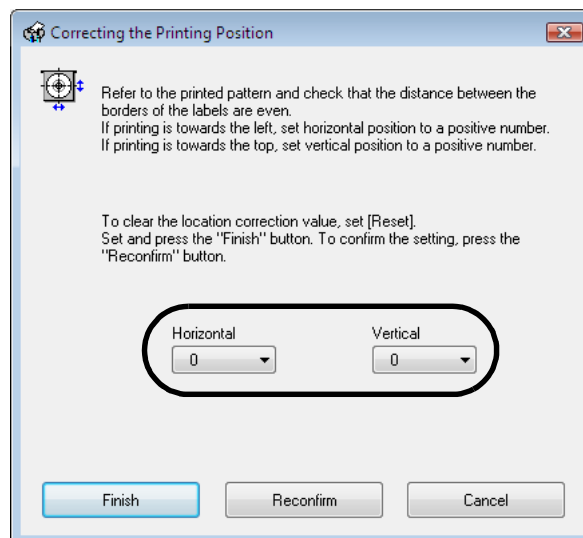
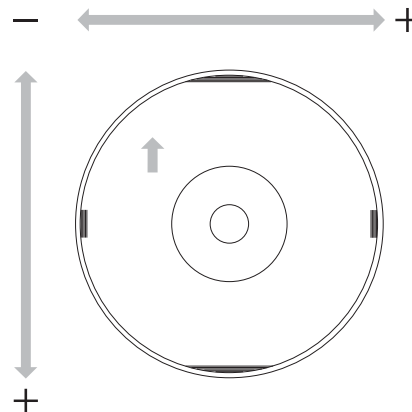
6 Click the [Print] button.



The disc on which there are five lines printed on the top, bottom, left and right respectively as well as one blue upward-pointing arrow is output to Stacker 4.

7 Click [Finish] if the lines on the top, bottom, left and right are evenly printed on the label surface. If they are not printed evenly, adjust the alignment in one of the following ways.

- If the printing has shifted to the left: Select a positive correction value in [Horizontal].
- If the printing has shifted to the right: Select a negative correction value in [Horizontal].
- If the printing has shifted to the top: Select a positive correction value in [Vertical].
- If the printing has shifted to the bottom: Select a negative correction value in [Vertical].



8 Set one unprinted disc into Stacker 1, and click [Reconfirm].

After this, repeat Steps 6 through 8 until the lines are printed evenly on the disc on the top, bottom, left, and right.

9 Click [Finish].



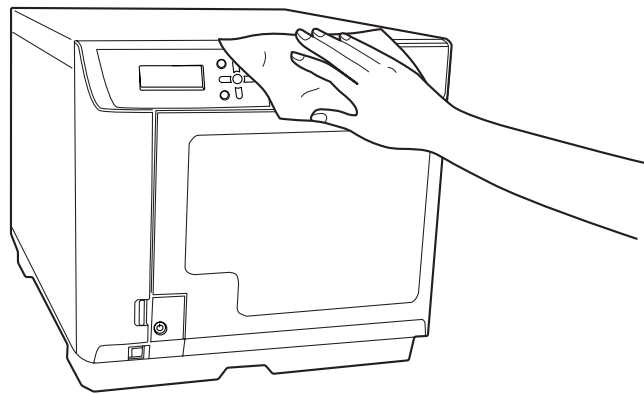
- If you reconfirm and enter a correction value after the first adjustment, the printing position is corrected using a correction value combined with the adjusted value from the first time. If you want to clear the printing position correction value, select (Reset), and then click (Finish).
- If you adjust the printing position using the steps above and the label application is still not centered on the disc, the printing appears to have shifted with respect to the label application.

Cleaning your product

To keep your product operating at its best, clean it by using the following procedure.

Cleaning the exterior

- 1 Turn the product off.
- 2 When the power LED is off, unplug the power plug from the outlet.
- 3 Use a soft cloth to wipe off the dust and dirt.
When the exterior is very dirty, soak a soft cloth in water with a small amount of mild detergent, wring it out, and then wipe off the dirt. Finally, wipe off the moisture using a soft, dry cloth.



- Wipe with the cover closed so that moisture does not enter the inside of the product. If the inside becomes wet, there is a risk that the electrical circuits will short out.
- Do not use benzine, paint thinner, alcohol, or other volatile chemicals. There is a risk that the inside or outside of the product may change properties or shape.
- Do not use a stiff brush. There is a risk of scratching the exterior of the product.

- 4 Plug the power plug into the outlet, and turn the power on.

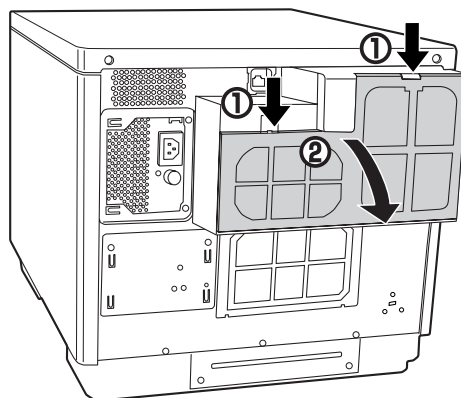
Cleaning the interior

If dirt or dust collects in the inside of this product or the stackers, or if dirt adheres to it, use a soft cloth to wipe off the dirt.

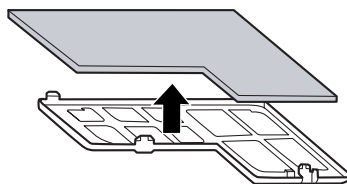
Ink may sometimes stain stackers. Remove the stains by soaking a soft cloth in water or mild detergent, wringing it out, and then wiping them off.

Cleaning the air vents

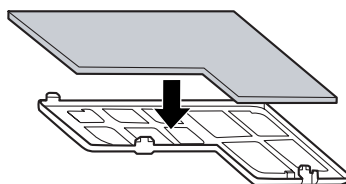
- 1 Press the power button to turn off the power.
- 2 When the power LED is off, unplug the power plug from the outlet.
- 3 Open the filter cover.



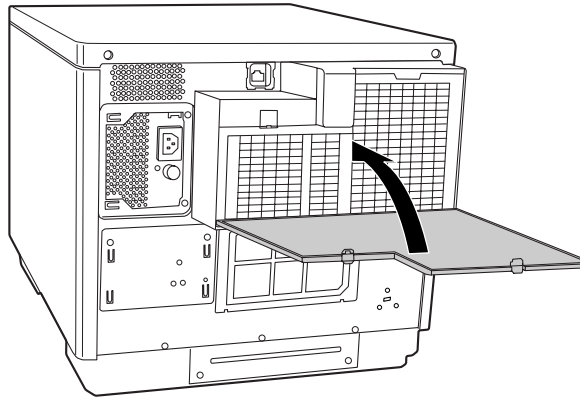
- 4 Take the filter off the filter cover.



- 5 Use a vacuum cleaner to clean the dust off the filter.
- 6 Put the filter back on the filter cover.



7 Close the filter cover.



8 Plug the power plug into the outlet, and turn the power on.



Clean the air vents regularly (once every six months).

Replacing the ink pad

The ink pad is a part that absorbs waste ink ejected during head cleaning or printing. When it becomes time to replace the ink pad, publishing becomes no longer possible.

How to check when it is time to replace the ink pad

You can replace the ink pad in one of the following two ways.

- In EPSON Total Disc Monitor, a message says “It is almost time to replace the ink pad. Early replacement is recommended. For information on replacement, please contact customer support.” The message is displayed once per day when EPSON Total Disc Monitor starts up. See “EPSON Total Disc Monitor” on page 50 in this guide for EPSON Total Disc Monitor.
- A message notifying you that it is almost time to replace the ink pad is displayed on the LCD.

When it is time to replace the ink pad, disc publishing stops, and a message notifying you that it is time to replace the ink pad is displayed on the LCD. The ink pad cannot be replaced by the customer. Please contact Customer Support.

Notes

If an administrator has set notification email transmission, an email is sent to notify each administrator that the ink pad needs to be replaced soon or the ink pad needs to be replaced.

Troubleshooting



A beeping warning tone sounds if there is a possibility of a security breach. If this happens, quickly report to an administrator.

Notes

Refer to this information together with the Help file for EPSON Total Disc Monitor and the information available on the Epson website.

Error messages and remedies

When a problem occurs with this product, the ERROR LED turns on or flashes, and an error message appears on the LCD. Check the message, and perform the proper remedy.









The alarm tone sounds.





The warning tone sounds.

Error Message	Remedy	Notification Sound
Arm move error	The arm cannot be moved. Please ask the administrator for the proper remedy.	
Check Stackers 1 & 2	The power was not turned off correctly the previous time. Please ask the administrator for the proper remedy.	
CMOS checksum error	If the same error message appears repeatedly, repair is required. Please contact Customer Support. Also, in some cases, the product's internal clock may not be operating correctly. Please ask the administrator for the proper remedy.	
Cover unlocked Cannot turn off	Please ask the administrator for the proper remedy.	
Disc cover open	The disc cover is open when the power is turned on. Please ask the administrator for the proper remedy.	
	The disc cover has been left open for 60 seconds. Please ask the administrator for the proper remedy.	
Disc cover unlocked	A period of 10 seconds has elapsed with the disc cover unlocked. Please ask the administrator for the proper remedy.	
Disc drop error	The arm dropped the disc while transferring it. Please ask the administrator for the proper remedy.	
Disc feed error DRV 1/2	The disc was not transferred properly to the drive. Please ask the administrator for the proper remedy.	
Disc feed error PRN	The disc was not transferred properly to the printer. Please ask the administrator for the proper remedy.	

Error Message	Remedy	Notification Sound
Disc is not writable	Processing of the job is paused. Please ask the administrator for the proper remedy.	
Disc is wrong type	Processing of the job is paused. Please ask the administrator for the proper remedy.	
Disc left in Stacker 2	A published disc was left inside the product when the power was turned on. Please ask the administrator for the proper remedy.	
	An operator forgot to remove a disc in Stacker 2. Please ask the administrator for the proper remedy.	
Disc pickup error (DRV1/2)	Please ask the administrator for the proper remedy.	
Disc pickup error (PRN)	Please ask the administrator for the proper remedy.	
Disc pickup error (ST1/2)	The arm cannot pick up the disc in the stacker. Please ask the administrator for the proper remedy.	
Disc release error	The arm does not release the disc. Please ask the administrator for the proper remedy.	
Disc remaining Cannot turn off	Please ask the administrator for the proper remedy. The power cannot be turned off when a published disc is left inside the product.	
Drive tray open/close error	Please ask the administrator for the proper remedy.	
Fan control error	Please ask the administrator for the proper remedy.	
Ink cartridge cover open	Close the ink cartridge cover.	
	This product is currently operating. Close the ink cartridge cover.	
Ink problem (C,LC,LM,M,Y,K)	An invalid ink cartridge is installed. Replace the cartridge of the displayed color. (See "Changing the ink cartridge" on page 139 in this guide.)	
Internal autoloader error	Please ask the administrator for the proper remedy.	
Internal drive error (DRV1/2)	Please ask the administrator for the proper remedy.	
Internal printer error	Please ask the administrator for the proper remedy.	
Invalid state error	Please ask the administrator for the proper remedy.	

Error Message	Remedy	Notification Sound
Keypad connection error	Please ask the administrator for the proper remedy.	
No disc ST1	Please ask the administrator for the proper remedy.	
No ink cartridge (C,LC,LM,M,Y,K)	The ink cartridge of the displayed color is not installed, or is not installed correctly. Correctly install the cartridge of the displayed color. (See "Changing the ink cartridge" on page 139 in this guide.)	
No stacker ST1,ST2	Please ask the administrator for the proper remedy.	
Non-standard ink Continue?	To use the ink cartridge, press the  button (Yes). To change to a Epson brand ink cartridge, press the CANCEL button (No), and change the ink cartridge. Use of non-Epson brand ink cartridges is not recommended. <ul style="list-style-type: none"> • Use of non-Epson brand ink cartridges can result in problems that will not be covered by the warranty. • Epson cannot guarantee the quality and reliability of non-Epson brand products. Repairs for any damage or breakdown of this product due to the use of non-Epson brand products will not be free of charge even if the warranty period is still valid. • This product performs color adjustment based on use of Epson brand ink cartridges. Use of non-Epson brand ink products can adversely affect the printing quality and prevent the product from realizing its maximum performance. • The ink level for non-Epson brand ink products is not displayed in the printer driver or other indicators. See "Changing the ink cartridge" on page 139 in this guide for the ink cartridge changing procedure. 	
Print tray open/close error	Please ask the administrator for the proper remedy.	
Printer maint. error	Repair is required. Please contact Customer Support.	
Processing job Cannot turn off	Press the  button or the CANCEL button, and turn off the power after job processing is completed. The power cannot be turned off while a job is being processed.	
Replace ink (C,LC,LM,M,Y,K)	The ink in the cartridge is out. Replace the cartridge of the displayed color. (See "Changing the ink cartridge" on page 139 in this guide.)	

Error Message	Remedy	Notification Sound
Replace inkpad	It is time to replace the ink pad. Please contact Customer Support. The ink pad cannot be replaced by the customer.	
Stacker 2 disc height error	The Stacker 2 disc height has changed compared to before the disc cover was opened. Please ask the administrator for the proper remedy.	
Stacker 3 installed	Please ask the administrator for the proper remedy. Stacker 3 is not used in PIN Controlled Mode and Security Mode.	
Stacker 4 full	The initialization operation cannot be performed because Stacker 4 is full. Remove the discs from Stacker 4.	
	The disc cannot be ejected because Stacker 4 is full. Remove the discs from Stacker 4.	
Stacker 4 open	Close Stacker 4.	
Too many discs ST1,ST2	Please ask the administrator for the proper remedy.	
Too many discs Stacker 1 & 2	The total disc height of Stacker 1 and Stacker 2 exceeds the red line in the stacker. Please ask the administrator for the proper remedy.	
Transferred disc detection error	Please ask the administrator for the proper remedy.	
Wait a moment and try again	Press the  button or CANCEL button. Do not unlock the disc cover repeatedly within a short time. Wait a moment before unlocking.	
Write error	Processing of the job is paused. See “Disc writing problems” on page 163 in this guide, and after removing the cause of the error, restart the job. (See “Resuming jobs” on page 121 in this guide for the job restarting procedure.)	

Problems and their remedies

Power/control panel problems

Symptom/Problem Status	Check/Remedy Procedure
The power does not turn on.	Hold down the power button for a moment.
	Is the power plug disconnected from the outlet? Check if the plug is inserted only half-way or inserted at a slant.
	Are you using a power strip or similar device? Insert the power plug directly into the wall outlet.
	Is power being supplied from the outlet? Insert the power cable plug for another electronic product to check if power is being supplied.
The power does not turn off.	Is the product in one of the states below? The power cannot be turned off when in one of the states below. <ul style="list-style-type: none"> • A job is currently being processed. • A published disc is left in Stacker 2. • The disc cover is open. • The disc cover is not locked.
	Did you just turn on the power? The power cannot be turned off for about 15 minutes once the power is turned on. The power turns off automatically 15 minutes after "Power off Please wait" appears on the LCD. If you want to turn the power off immediately, ask the administrator.
	Are the power LED and ERROR LED flashing? Ask the administrator.
A rattling sound is made when the power is turned on.	Is there a foreign object (such as blue protective tape for transporting) inside the product? Press the power button to turn off the power, and then open the disc cover and check that there are no foreign objects inside.
"EPSON PP- 100N" remains displayed and the product does not work when the power is turned on.	Repair is required. Please contact Epson Information Center.
ERROR LED flashes/turns on.	An error has occurred. See "Error messages and remedies" on page 158 in this guide.

Disc writing problems

Symptom/ Problem Status	Check/Remedy Procedure
A writing error has occurred.	<p>Is the disc scratched or dirty? Scratched or dirty discs cannot be used. Replace with another disc.</p>
	<p>The quality of the data recording surface may vary depending on the disc. Replace with another disc and try again.</p>
	<p>Is there dust adhering to the filter of the product rear fan? Clean the filter. See "Cleaning the air vents" on page 155 in this guide for the fan filter cleaning procedure.</p>
Unable to write to disc/ Unable to read disc	<p>Is the disc being handled correctly?</p> <ul style="list-style-type: none"> • Handle the disc correctly by following the disc user's guide. • Do not affix adhesive stickers to the disc. This may make recording and playback of data no longer possible. • Do not use this product in locations with large amounts of dust or smoke. This can cause drive writing errors. <p>See "Handling discs" on page 75 in this guide for details on disc handling.</p>
	<p>Was the product jolted during publishing? Do not subject the product to jolts or impacts during disc publishing. The drive may malfunction, or the disc may become unusable.</p>
	<p>Is your computer compatible with the operating environment of this product? Use and connect this product to a computer compatible with the operating environment. See "Before installation" on page 25 in this guide for details.</p>
	<p>When copying a disc from the drive, are you logged on with a "computer administrator" account (user with administrator privilege)? If you do not log on with a "computer administrator" account, disc copying from the drive cannot be performed. Log on to Windows with a computer administrator account, and perform disc copying from the drive.</p>
	<p>Is the printer tray dirty? Clean the printer tray. Please ask the administrator about cleaning the printer tray.</p>

Notes

In disc publishing in EPSON Total Disc Maker, (Compare) can be set under (Write Verification). See the Help file for EPSON Total Disc Maker for details.

Label printing problems

Symptom/Problem Status	Check/Remedy Procedure
<ul style="list-style-type: none"> • Rubbing • Lines or streaks are formed • Blurriness • Text or lines are shaky • Incorrect color tones • Some colors are not printed • Unevenness in the printing • Mosaic-like patterns are printed • Printing is grainy (jagged) 	<p>Are the print head nozzles clogged?</p> <p>Perform a nozzle check to confirm the status of the print head, and if it is clogged, perform head cleaning.</p> <p>See the information below for details.</p> <ul style="list-style-type: none"> • This guide "Print head alignment" on page 149 • This guide "Cleaning the print head" on page 146
	<p>Are you using a recommended ink cartridge (Epson brand product)?</p> <p>This product performs color adjustment based on use of Epson brand ink cartridges. Use of non-Epson brand products can result in poor printing quality. Use of Epson brand ink cartridges is recommended.</p>
	<p>Are you using an old ink cartridge?</p> <p>Use of an old ink cartridge can result in poor printing quality. The usage period for ink cartridges is printed on the packaging of individual ink cartridges. After opening the cartridge, try to use it up within six months.</p>
	<p>Is there a difference in the print head gaps during bidirectional printing?</p> <p>When bidirectional printing is set, printing is performed at a high speed, and ink is discharged as the print head moves to both the left and right. On rare occasions, however, the printing position when moving from right to left is shifted from the printing position when moving from left to right, leading to shifting of the vertical rule lines and blurred printing results. Use the print head alignment function to check and adjust for differences in the gap.</p> <p>See "Print head alignment" on page 149 in this guide for details.</p>
	<p>Are you using discs with different thicknesses?</p> <p>The thickness varies depending on the disc product. When discs with different thicknesses are used, the gaps of the print head can be shifted. Use the print head alignment function to check and adjust for differences in the gap. When publishing multiple discs, the use of the same disc product type is recommended.</p> <p>See "Print head alignment" on page 149 in this guide for details.</p>
	<p>Are you printing on inkjet printer discs?</p> <p>The product supports discs for inkjet printers. This product does not support thermal transfer printer discs. Also, the printing quality may vary depending on the quality of the printing discs. Use of Epson-authorized CD and DVD discs is recommended.</p> <p>Epson offers specified CD-R and DVD-R discs for all your printing needs.</p>

Symptom/Problem Status	Check/Remedy Procedure
<ul style="list-style-type: none"> • Rubbing • Lines or streaks are formed • Blurriness • Text or lines are shaky • Incorrect color tones • Some colors are not printed • Unevenness in the printing • Mosaic-like patterns are printed • Printing is grainy (jagged) 	<p>Is there dirt on the disc? Gently wipe off any dust or dirt adhering to the label side using a soft cloth or commercial CD cleaner. Do not use benzene, thinner, or antistatic agents. See "Handling discs" on page 75 in this guide for details.</p> <p>Is the printing surface fully dry? Do not let other discs get in contact with the printing surface until the ink on the published disc is dry. Otherwise, marks can be left where contact is made.</p> <p>Is the ink drying time set too short? The ink drying time is the time after label printing is completed until the disc ink is dried in the printer tray. Set a longer ink drying time. See "Setting up the printer driver" on page 69 in this guide for details.</p> <p>Are you comparing the display on the computer to the printing results? The colors shown on the display and the results printed by the printer use different coloring methods, and this produces differences in color tones.</p>
<p>Unable to print correctly in the print area of the disc.</p>	<p>Set the inside diameter and outside diameter of the print area so that they match the print area of the disc to be printed. See "Printable area" on page 77 in this guide for details. See "Changing the print area" on page 78 in this guide for the inside diameter and outside diameter setting procedure.</p>
<p>Printing position is shifted.</p>	<p>Correct the printing position if it is shifted. See "Correcting the printing position" on page 151 in this guide for details.</p>
<p>The disc recording surface is stained with ink.</p>	<p>Is the ink drying time set too short? The ink drying time is the time after label printing is completed until the disc ink is dried in the printer tray. Set a longer ink drying time. See "Setting up the printer driver" on page 69 in this guide for details.</p> <p>Is the printer tray dirty? When the disc recording surface is stained by ink, the printer tray may be dirty. Clean the printer tray. Please ask the administrator about cleaning the printer tray.</p>
<ul style="list-style-type: none"> • After printing, the label surface ink is sticky or peels off • Discs stick together 	<p>Was printing performed outside the recommended print area? If printing is performed outside the recommended print area, after printing, the label surface ink is sticky or peels off, or discs stick to each other. See "Printable area" on page 77 in this guide for details.</p>

Password/PIN problems

Symptom/Problem Status	Check/Remedy Procedure
(Incorrect User number or PIN) is displayed on the LCD.	<p>Was the user number or PIN entered incorrectly? Enter the correct user number and PIN.</p>
	<p>Is the account locked? After three unsuccessful attempts at entering the password or PIN, the account is locked, and the password and PIN cannot be used. Please ask the administrator to remove the account lock. Also, the account lock of a user other than an administrator is unlocked automatically after one hour elapses.</p>
(Expired PIN) is displayed on the LCD.	<p>Are the validity periods for the password and PIN expired? Log onto EPSON Total Disc Net Administrator, and change the password and PIN on the Change Password screen that is displayed. See "Changing password and PIN" on page 38 in this guide for the password and PIN changing procedure.</p>
(Access not permitted) is displayed on the LCD.	<p>Only administrators can unlock disc covers, change network settings, and return to the factory default state. Please ask the administrator to perform the necessary operation.</p>
User name or password cannot be used.	<p>Were the user name or password entered incorrectly? Enter the correct user name and password. These entries are case sensitive.</p>
	<p>Are the validity periods for the password and PIN expired? Log onto EPSON Total Disc Net Administrator, and change the password and PIN on the Change Password screen that is displayed. See "Changing password and PIN" on page 38 in this guide for the password and PIN changing procedure.</p>
	<p>Is the account locked? After three unsuccessful attempts at entering the password or PIN, the account is locked, and the password and PIN cannot be used. Please ask the administrator to remove the account lock. Also, the account lock of a user other than an administrator is unlocked automatically after one hour elapses.</p>
You forgot the password or PIN	<p>Please ask the administrator to change the password or PIN.</p>

Other problems

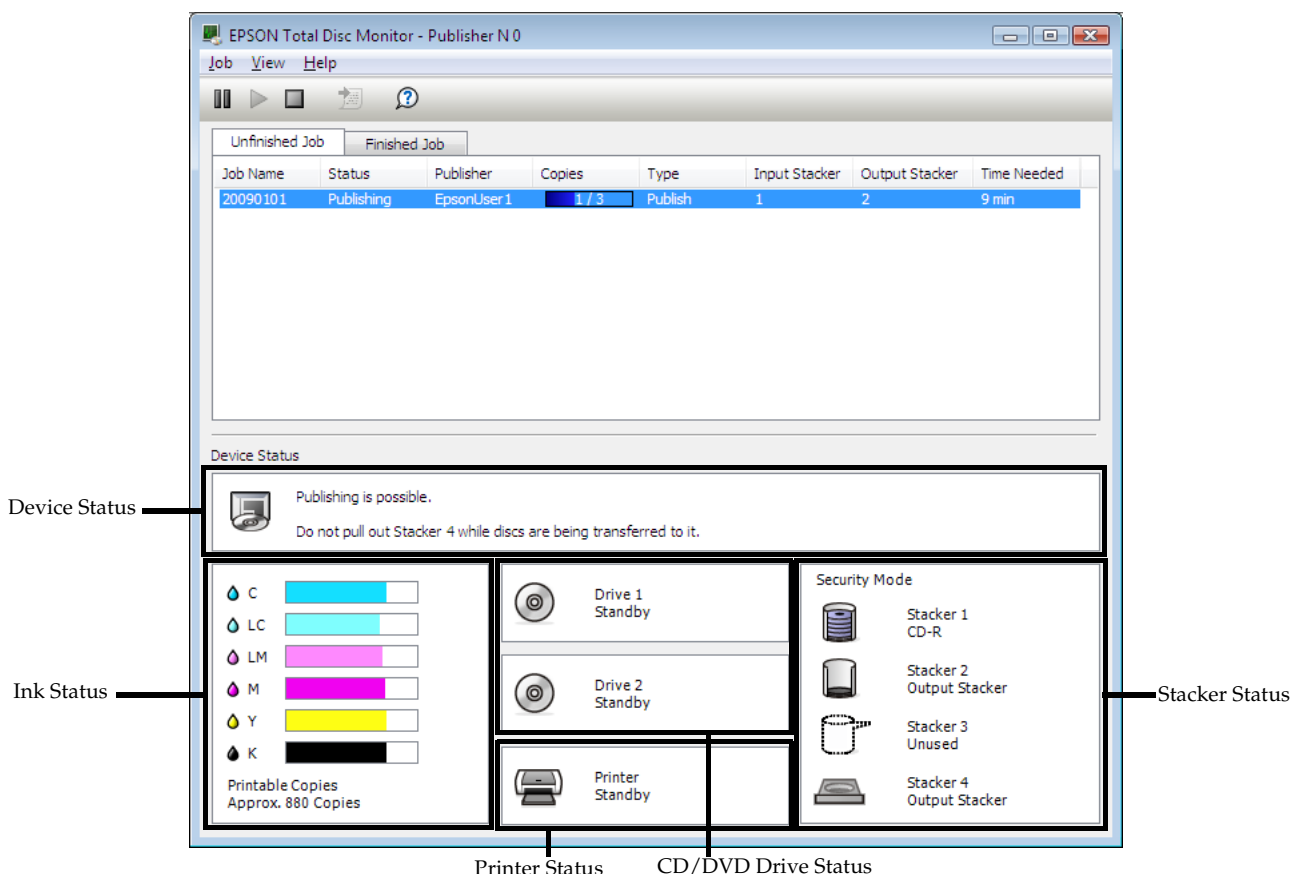
Symptom/Problem Status	Check/Remedy Procedure
<p>Cannot install software</p>	<p>Is there enough available HDD space?</p> <p>The software cannot be installed unless there is at least 10 GB of available HDD space. Check the amount of available HDD space, and if there is not enough space, increase the amount of available space.</p> <p>In Windows Vista, at least 25 GB of available HDD space is needed to enable the software to run normally.</p>
	<p>Are you logged on to Windows with a “computer administrator” account (user with administrator privileges)?</p> <p>When using Windows XP or Windows Vista, you must log on with a “computer administrator” account (user with administrator privileges). In Windows Vista, you may be asked for an administrator password or confirmation. When asked for a password, enter the password to proceed with operation.</p> <p>In Windows 2000, log on as a user with administrator privileges (user in the Administrators group).</p>
<p>The EPSON Total Disc Net Administrator login screen is not displayed.</p>	<p>Is the power of the product turned off?</p> <p>Turn on the power of the product.</p>
	<p>Is the product connected to the network correctly?</p> <p>Check that this product and the client computer are connected correctly to the network.</p>
	<p>Is the correct address entered?</p> <p>Check that the IP address, host name, or FQDN of the product was correctly entered in the Internet Explorer address bar. Be sure to always enter this information after “https://”.</p>
<p>A security warning screen is displayed when you try to log into EPSON Total Disc Net Administrator.</p>	<p>Was the certificate issued by the certificate authority imported correctly to the client computer?</p> <p>Confirm with the administrator.</p>
	<p>Is the validity period for the certificate expired?</p> <p>Confirm with the administrator.</p>
	<p>Is the publish destination of the certificate being accessed?</p> <p>When you attempt to log in to EPSON Total Disc Net Administrator, a security warning screen appears if the product’s IP address, host name, or FQDN entered in the Internet Explorer address bar differs from that of the publish destination. Confirm the publish destination with the administrator.</p>
<p>The drive cannot be used.</p>	<p>Is use of the drive stopped?</p> <p>When a write error occurs based on a preset retry write count, use of the drive is automatically stopped, and (Drive operation paused DRV 1/2) is displayed on the LCD. Please ask the administrator about restarting use of the drive.</p>

Symptom/Problem Status	Check/Remedy Procedure
<p>Head cleaning does not work.</p>	<p>Has an error occurred in the product? If an error has occurred, clear the error.</p>
	<p>Is there enough ink? Head cleaning cannot be performed unless there is enough ink. Replace with a new ink cartridge. See "Changing the ink cartridge" on page 139 in this guide for the ink cartridge changing procedure.</p>
<p>The printing speed slowed down during continuous printing.</p>	<p>When printing is performed for an extended period of time, disc transfer and printing may be stopped temporarily. This is for slowing the printing speed to prevent overheating and damage to the product. Although printing can be continued when this occurs, it is recommended that you stop product operation and leave it with the power on for about 30 minutes. (Note that the product does not return to the normal status when the power is turned off.)</p>
<p>Cannot publish discs.</p>	<p>See "When discs cannot be published" on page 171 in this guide.</p>




Checking with EPSON Total Disc Monitor

EPSON Total Disc Monitor is a utility that enables checking of the status of this product (PP-100N) and the remedy procedures for errors.

See “Starting EPSON Total Disc Monitor” on page 50 in this guide for EPSON Total Disc Monitor start procedure.



Device Status	This displays the status of this product (PP-100N) and error descriptions and messages. When or is displayed, check the product (PP-100N) by referring to the displayed remedy procedure.
Ink Status	This displays the remaining ink level. The ink level is low when is displayed. Obtain a replacement ink cartridge. The ink should be replaced when is displayed. Replace with a new ink cartridge. See “How to perform a nozzle check” on page 143 in this guide for the ink cartridge changing procedure. The number of printable labels is an estimated value of how many more the same labels as the labels printed before can be printed. This value may differ slightly from the actual value due to factors such as the printing data and printing environment. Values of 1000 or more are displayed as “1000 or more, ” and quantities fewer than 1000 discs are displayed in 10-disc units.
CD/DVD Drive Status	This displays the CD/DVD drive status. When is displayed on the drive icon, check the product drive by referring to the displayed message.

Printer Status	<p>This displays the printer status.</p> <p>When  is displayed on the printer icon, check the product printer by referring to the displayed message.</p>
Stacker Status	<p>This displays the stacker status.</p> <p>When  is displayed, either the number of discs in the input stacker is low, or the discs in the output stacker are nearly full.</p> <p>If the number of discs in the input stacker is low, obtain new discs.</p> <p>If the discs in the output stacker are nearly full, the ejecting of discs is recommended before publishing the next job.</p> <p>When  is displayed, check the stacker and discs by referring to the displayed message.</p>

When discs cannot be published

If the disc is not published by clicking [Publish] in the Publish view of EPSON Total Disc Maker, or if the product does not work, check the points below.

Check 1: Check of EPSON Total Disc Monitor

Is an error message displayed in EPSON Total Disc Monitor?

Check the status of this connected product in EPSON Total Disc Monitor, and perform the remedy if an error has occurred.

See the references below for details on EPSON Total Disc Monitor.

- “EPSON Total Disc Monitor” on page 50 in this guide
- Help file for EPSON Total Disc Monitor

If performing the above checks still does not fix the problem, check the items below.

Check 2: Check of the product

Is the power LED turned on?

If the power LED is not turned on, the power for the product is turned off.

Turn on the power by referring to “Power/control panel problems” on page 162 in this guide.

Is the ERROR LED flashing or turned on?

If the ERROR LED is flashing or turned on, an error has occurred in this product.

See “Checking with EPSON Total Disc Monitor” on page 169 in this guide for the error checking and remedy procedures.

If performing the above checks still does not fix the problem, check the items below.

Check 3: Check of connection between the product and computer

Is the Ethernet cable disconnected?

Check that the Ethernet cable is connected. Also, check that the Ethernet cable does not have a broken wire or is bent.

Is the Ethernet cable compatible with the computer and product specifications?

Check that the Ethernet cable being used is compatible with one of the specifications below.

- 100Base-TX
- 1000Base-T

Are the link speed and Jumbo Frame set correctly?

If the link speed and Jumbo Frame are set, check that the product settings match the client computer settings.

If performing the above checks still does not fix the problem, check the items below.

Check 4: Check of printer driver settings

Is the printer driver installed?

- 1** Open [Printers and Faxes] (or [Printers]).

Windows Vista:

 Click [Start] - [Control Panel] - [Printers], in this order.

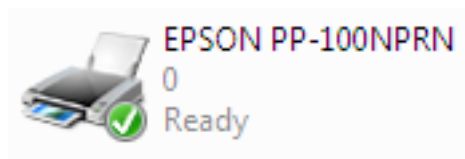
Windows XP:

In Windows XP Professional, click [Start] - [Printers and Faxes]. In Windows XP Home Edition, click [Start] - [Control Panel] - [Printers and Faxes], in this order.

Windows 2000:

Click [Start] - [Settings] - [Printers], in this order.

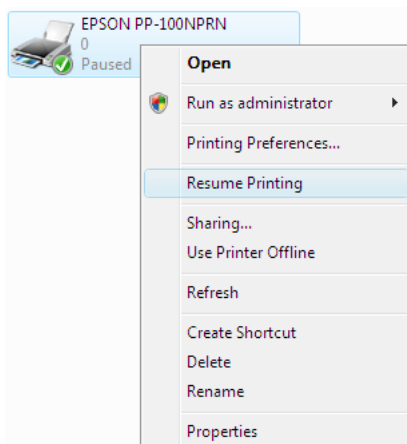
- 2** Check that this product icon (EPSON PP-100NPRN) is found in [Printers and Faxes] (or [Printers]).



If the icon is not found, the printer driver is not installed. See "Installation" on page 27 in this guide to install the printer driver.

Is the Print Manager status set to Pause?

If [Paused] is displayed for the product's icon (EPSON PP-100NPRN), right-click the icon and click [Resume Printing].



If performing all of the above checks still does not resolve the problem, the software may not be installed correctly. Uninstall (delete) the software, and then reinstall.

See "Uninstalling the software" on page 40 in this guide for the software uninstallation procedure.

See "Installation" on page 27 in this guide for the software installation procedure.

Please contact Customer Support if this still does not resolve the problem. When making inquiries, please provide information about your operating environment (including the computer model, names and versions of software applications, and other peripheral models), name of this product, and its serial number.

Appendix

Product specifications

Basic specifications

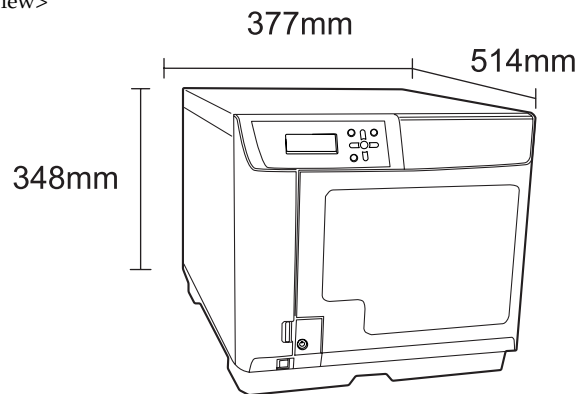
External dimensions and weight

Item	Description
External dimensions	377 mm (W) x 514 mm (D) x 348 mm (H)
Weight	Approx. 25.0 kg (including the stackers and ink cartridges, but not including the power cord and discs)



Since this product uses galvanized sheet metal, rusting may occur at the edges, but this will not harm the functionality of the product.

<External View>



Overall specifications

Item		Description
Job processing capacity	Write and print	CD 30 discs per hour Conditions: When using Epson specified CD-Rs, drive speed of 40x, writing data of 600 MB, and speed/bidirectional printing
		DVD 15 discs per hour Conditions: When using Epson specified DVD-Rs, drive speed of 12x, writing data of 3.8 GB, and speed/bidirectional printing
	Print only	Speed 60 discs per hour Condition: When bidirectional printing
		Quality 40 discs per hour Condition: When bidirectional printing



- The above processing capacities do not include the time for transferring a job via the network.
- Depending on the operating environment and discs used, the writing speed may become slower than the set speed.

Printing specifications

Item		Description
Printing method		On demand inkjet
Head	Number of nozzles	Black : 180 nozzles Cyan : 180 nozzles Magenta : 180 nozzles Yellow : 180 nozzles Light cyan : 180 nozzles Light magenta : 180 nozzles
Printing resolution		Speed 1,440 x 720 dpi* Quality 1,440 x 1,440 dpi
Printing direction		Bidirectional, unidirectional

* dpi: number of dots every 25.4 mm (dots per inch)

Ink cartridge

Item		Description	
Form		Separate ink cartridge for each color	
Color		Black, cyan, magenta, yellow, light cyan, light magenta	
Recommended expiration date		Use within the expiration date written on each individual packaging box. Use within 6 months of opening the package.	
Temperature	When stored packaged individually	-20°C~40°C	Within 1 month at 40°C
	When installed in the product	-20°C~50°C	Within 1 month at 50°C
	When transported packaged individually	-20°C~60°C	Within 5 days at 60°C
Dimensions		42.0 mm (W) x 83.0 mm (D) x 26.4 mm (H)	
Ink		Dye-based ink	

Drive specifications

Item	Description	
Number of drives installed	2 drives	
Loading type	Tray	
Write speed	CD-R	40x/32x/24x/16x/10x/4x
	DVD-R	12x/8x/6x/4x/2x/1x
	DVD+R	12x/8x/6x/4x/2.4x
	DVD-R DL	8x/6x/4x/2x
	DVD+R DL	8x/6x/4x/2.4x



- CD/DVD discs created with this product's drive may not be able to be recognized, played, and read depending on the compatibility of the drive or player.
- Do not subject the product to vibration or impacts while a disc is being read or written. The drive may malfunction, or the disc may become unable to be played.
- Do not insert a flat-tip screwdriver, clip or other foreign object into the CD/DVD drive. Doing so may result in a malfunction.
- Depending on the operating environment and discs used, the writing speed may become slower than the set speed. (This is to ensure recording quality is maintained.)

Electrical specifications

Item		Description
Rated voltage		AC 100 to 240 V
Rated frequency		50 to 60 Hz
Rated current		1.5 A
Power consumption	Average during operation	Approx. 86 W
	Average during standby	Approx. 55 W
Power cord		power cord (supplied with product)

Standards and approvals

Item	Description
Safety	UL60950-1 CAN/CSA-C22. 2 No. 60950-1
EMC	FCC Part 15 Subpart B Class A CAN/CSA-CEI/IEC CISPR 22 Class A
Low voltage directive 2006/95/EC	EN60950-1
EMC directive 2004/108/EC	EN55022 Class A EN61000-3-2 EN61000-3-3 EN55024

Lifetime

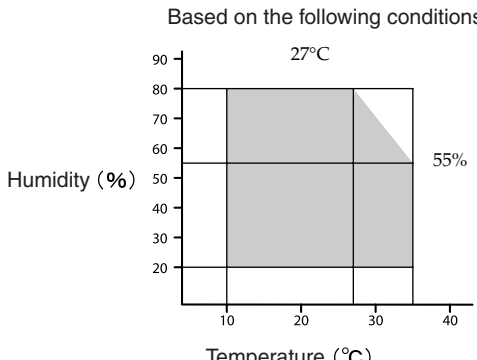
Epson estimates lifetime for components of this product to be as follows:

Expected Lifetime:

- Ink pad life: About 10,000 to 40,000 discs printed
- Burner life: About 8,000 to 30,000 discs burned

The product's ink pad is expected to become saturated and need replacing after printing about 10,000 to 40,000 discs. The burner life estimate is the combined life for the two burners, with the low estimate based on burning DVDs only, and the high estimate based on burning CDs only. Expected lifetimes are only estimates. Actual results will vary based on such factors as images printed, print settings, disc type, frequency of use, temperature, and mix of CDs vs. DVDs burned.

Environmental conditions

Item		Description	
Temperature/ humidity	During operation	10°C~35°C	Within 1 month at 40°C Within 120 hours at 60°C
	During storage	-20°C~40°C	
	During transportation	-20°C~60°C	
	During operation	20%~80%RH	No condensation
	During storage	5%~85%RH	No condensation
	During transportation	5%~85%RH	No condensation
	Guaranteed operating range	<p>Based on the following conditions</p> 	

Interfaces

Item	Description	
Ethernet	1	<ul style="list-style-type: none"> • 100Base-TX • 1000Base-T
Authentication keypad	2	USB 2.0

Ink and Disc

Ink cartridges

You can use the following ink cartridges with this product:

Ink cartridge	Part numbers
Cyan	C13S020447
Light Cyan	C13S020448
Light Magenta	C13S020449
Magenta	C13S020450
Yellow	C13S020451
Black	C13S020452

To purchase a PP-100N Series exclusive ink cartridge, check with the dealer where you purchased your PP-100N or access either of the following urls:

<http://www.discproducer.epson-europe.com> (Europe)

<http://www.discproducer.epson.com> (United States and Canada)

Discs

Epson offers the specified CD-R and DVD-R discs for all your printing needs.