



LabelCLT

User's Guide

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LabelCLT Overview

Overview

LabelCLT is a command line tool that allows you to transfer files and obtain status from the printer using the command line.

To download LabelCLT, go to your model's **Downloads** page on the Brother support website at support.brother.com.

Operating Environment

Supported Operating Systems

Windows only. For the latest list of supported Windows Operating Systems, visit support.brother.com.

Communication Interface

USB, Wired LAN, or Wireless LAN

File Types

File Type	Generated From	Supported Interfaces
BIN	Device Settings, Communication Settings, P-touch Template Settings, and Paper Size Setup	USB, LAN
PDZ	Firmware and P-touch Transfer Manager	USB
BLF	Device Settings, Communication Settings, P-touch Template Settings, Paper Size Setup, P-Touch Transfer Manager, and LabelCLT	USB, LAN
CSV	Windows applications	USB, LAN
OTF	Font file types	USB
TTF		
P12	File format used for security certificates.	USB
PEM	File format used for security certificates.	USB

Transfer the Template Data File with the LabelCLT

For supported commands, usage examples, and errors not listed here, see the LabelCLT manual on the Brother support website at support.brother.com.

Install LabelCLT

1. Download the LabelCLT to your computer.
2. Type “cmd” in the Windows search box to start the command prompt.
3. Type the drive where LabelCLT is saved and press Enter. (In this example, LabelCLT is saved on the “C” drive.)

```
J:\>c:
```

4. Type “cd”, add a space, and then copy and paste the path of the folder where the “LabelCLT.exe” file is located (in this example: “cd c:\LabelCLT”). Press Enter.

```
c:\>cd c:\LabelCLT
```

5. Type “**LabelCLT.exe /eula**” and press Enter to display the License Agreement. If you agree to the terms of the License Agreement, type “y” (for “yes”) on your keyboard and press Enter.

Basic File Transfer Procedure

1. Access the printer using one of the commands below depending on your interface.

Command	Function	Example
/ip:"IP Address"	LAN: Specify IP or node name.	/ip:"192.168.0.250" or /ip:"BRW00AABBFF"
/printer:"Printer Name"	USB: Specify the printer name.	/printer:"Brother TD-2350D (300 dpi)"

NOTE

- If both the IP address and the node name are specified in the ip command, the node name is used.
- The maximum argument length is 259 characters.

2. Transfer files using the commands below:

Command	Function	Extension	Example
/send_pdz:"FilePath"	Send the specified PDZ file (USB only)	.pdz	/printer:"Brother TD-2350D (300 dpi)" / send_pdz:"c:\test \a.pdz"
/send_pd3:"FilePath"	Send the specified PD3 file (USB only)	.pd3	/printer:"Brother TD-2350D (300 dpi)" / send_pd3:"c:\test\a.pd3"
/send_blf:"FilePath"	Send the specified BLF file	.blf	/ip:"192.168.0.250" /send_blf:"c:\test\a.blf"
/send_bin:"FilePath"	Send the specified BIN file	.bin	/ip:"192.168.0.250" /send_bin:"c:\a.bin"
/send_csv:"FilePath"	Send the specified CSV file	.csv	/ip:"192.168.0.250" /send_csv:"c:\test\a.csv"
/send_font:"FilePath"	Send the specified font file (USB only) See *Table 1 for optional commands.	.tff, .otf	/printer:"Brother TD-2350D (300 dpi)" / send_font:"c:\test\a.tff"
/send_client_certificate:"FilePath"	Send the specified client certificate file (USB only) See *Table 2 for optional commands.	.p12	/printer:"Brother TD-2350D (300 dpi)" / send_client_certificate:"c:\test\a.p12"
/send_ca_certificate:"FilePath"	Send the specified CA certificate file.	.pem	/printer:"Brother TD-2350D (300 dpi)" / send_ca_certificate:"c:\test\a.pem"

*Table 1. Optional commands related to font file transmission

Optional Command	Function	Example
/font_index:"IndexNo"	Specify the index number you want to register. If not specified, the next available index number in the ascending order will be assigned. The index number can be no greater than 255.	/printer:"Brother TD-2350D (300 dpi)" /send_font:"c:\test\a.tff" /font_index:"1"
/font_name:"name"	Specify the font name you want to register. If not specified, the font's file name will be assigned.	/printer:"Brother TD-2350D (300 dpi)" /send_font:"c:\test\a.tff" /font_name:"times.tff"

*Table 2. Optional command related to client certificate file transmission

Optional Command	Function	Example
/password:"Password"	Specify the password for the client certificate (USB only).	/printer:"Brother TD-2350D (300 dpi)" /send_client_certificate:"c:\test\a.p12" / password:"000000"

3. Transfer multiple files (except for certificate files) at the same time using the commands below:

Command	Function	Extension	Example
/send_multiple_files:"FilePath"	Transfer multiple files in a single CSV file. The files will be transferred in the order they have been listed in the CSV file. Transferable file extensions are listed in Table 1.	.csv	/ip:"192.168.0.250" /send_multiple_files:"c:\test\a.csv"
/send_multiple_files "File Name.***", "FileName2.**", "FileName3.***"	Type individual file paths to transfer multiple files in the order you've typed them in your command.	Transferable file extensions are listed in Table 1.	/ip:"192.168.0.250" /send_multiple_files:"c:\test\a.pdz", "c:\test\b.blf", "c:\test\c.bin"

Table 1. Transferable file extensions.

Extension	USB	LAN
.bin	✓	✓
.blf	✓	✓
.csv	✓	✓
.otf	✓	✗
.ttf	✓	✗
.pdz	✓	✗
.pd3	✓	✗

Example:

The transfer order for the following files is a1 > b2 > c3 > a4 > b5 > c6.

<p>"C:\test\a1.pdz", "C:\test\b2.blf", "C:\test\c3.bin"</p> <p>"C:\test\a4.pdz", "C:\test\b5.blf", "C:\test\c6.bin"</p>

Transferring a PDZ Firmware File via USB: Example

1. Specify the printer with the **LabelCLT.exe /printer** command, and specify the file to be transferred with the **/send_pdz** command, and then press Enter.

```
c:\LabelCLT>LabelCLT.exe /printer:"Brother TD-2350D (300 dpi)" /send_pdz:"c:\test\a.pdz"
```

2. The transfer will start, and the transfer progress will be displayed.
3. When the transfer is complete, LabelCLT will wait until the printer finishes writing the firmware.
4. When the printer has finished writing the firmware, it will restart and LabelCLT will reconnect.
5. After reconnection, compare the transferred firmware version with the current printer firmware version.
6. If the update has been successfully completed, **Succeeded** is displayed.

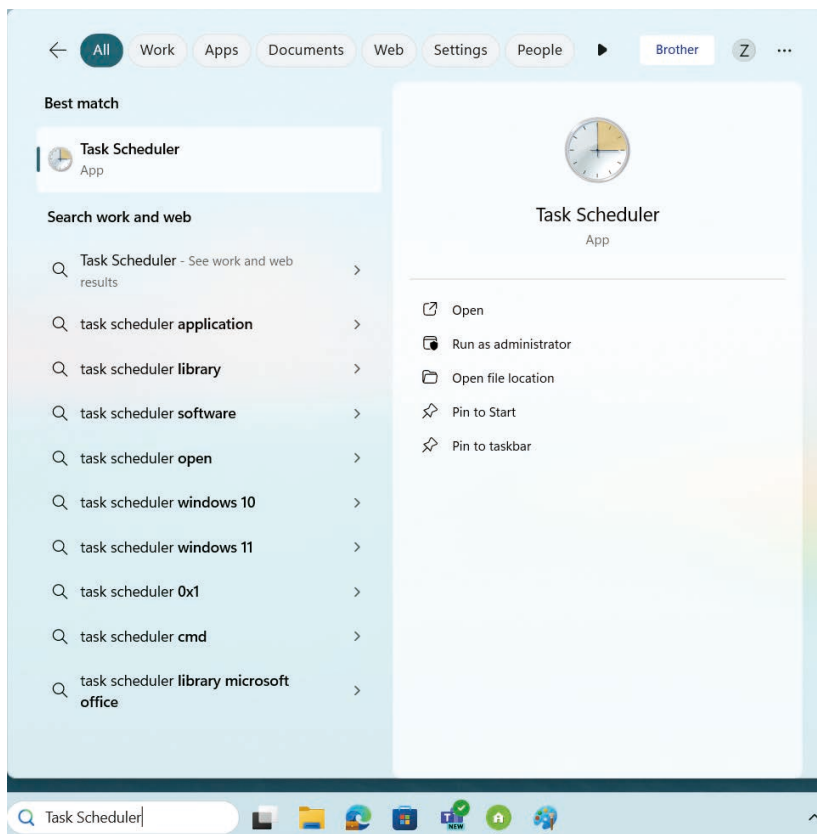
Integration with the **Windows Task Scheduler** allows to implement instructions at specified times or on a regular basis.

1. Prepare a batch file with the command you want to implement - for example, check the firmware version.

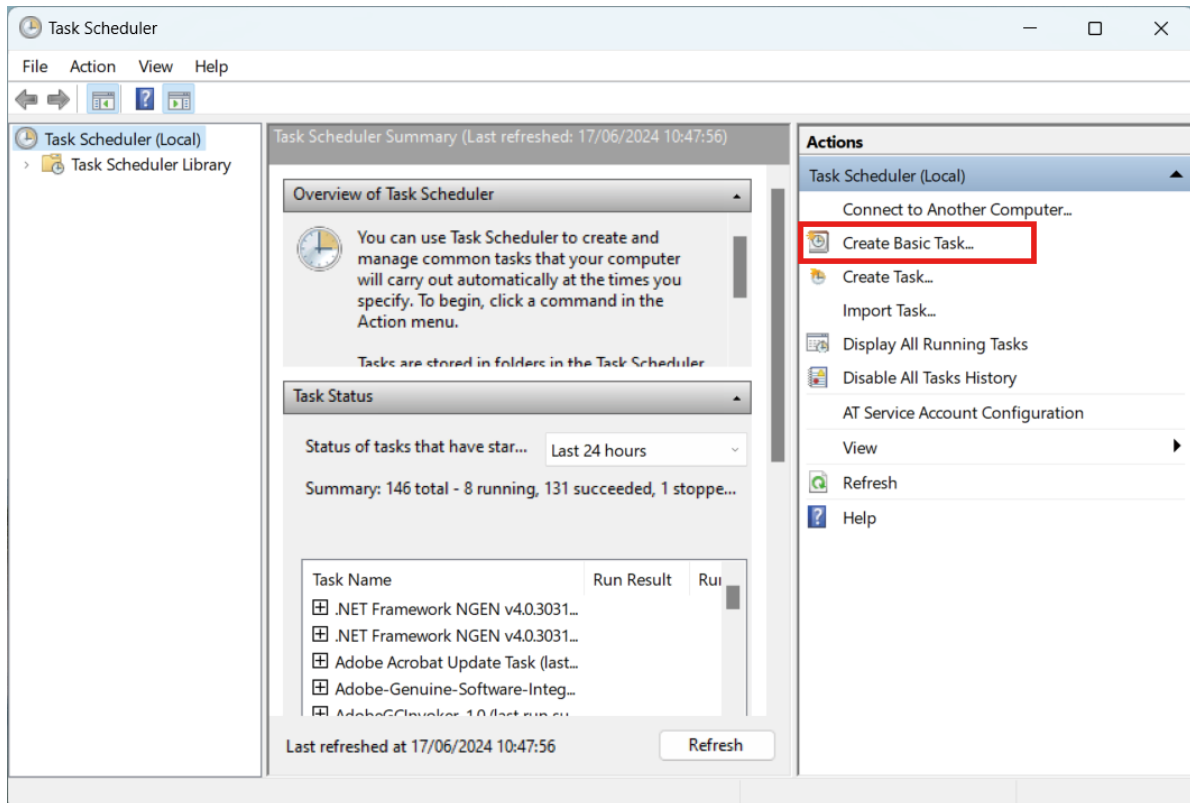
```
Cd /d %~dp0
LabelCLT.exe /printer."Brother TD-2350D (203 dpi)" get_firmwarever
pause
```

* "cd /d %~dp0" is a command to move a folder to the same location as the BAT file. In this example, this command is used because the BAT file is located at the same level as LabelCLT.exe.

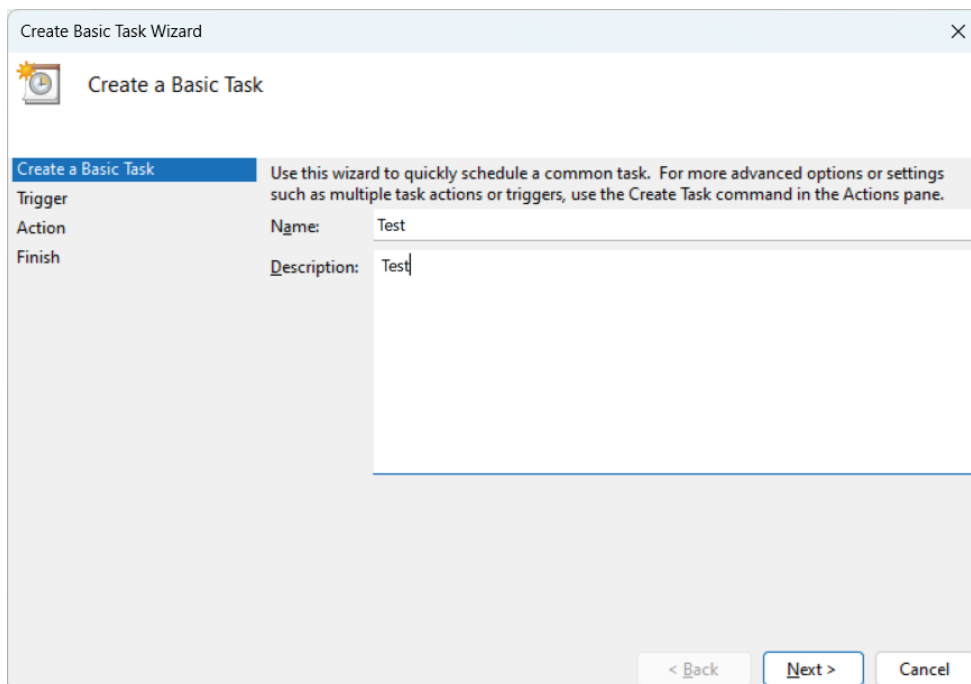
2. Start the **Windows Task Scheduler**.



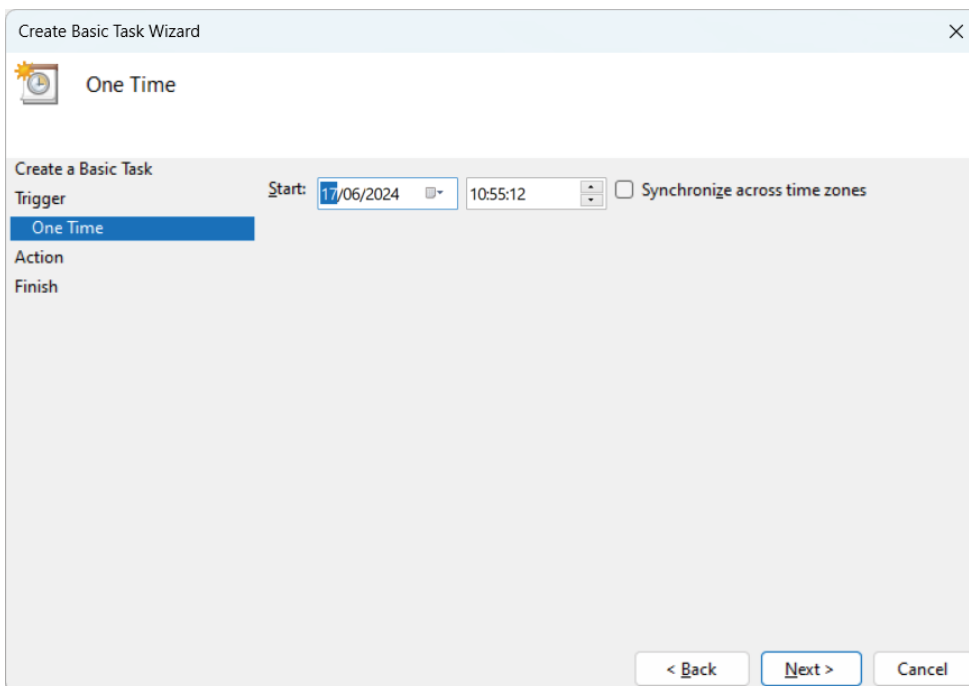
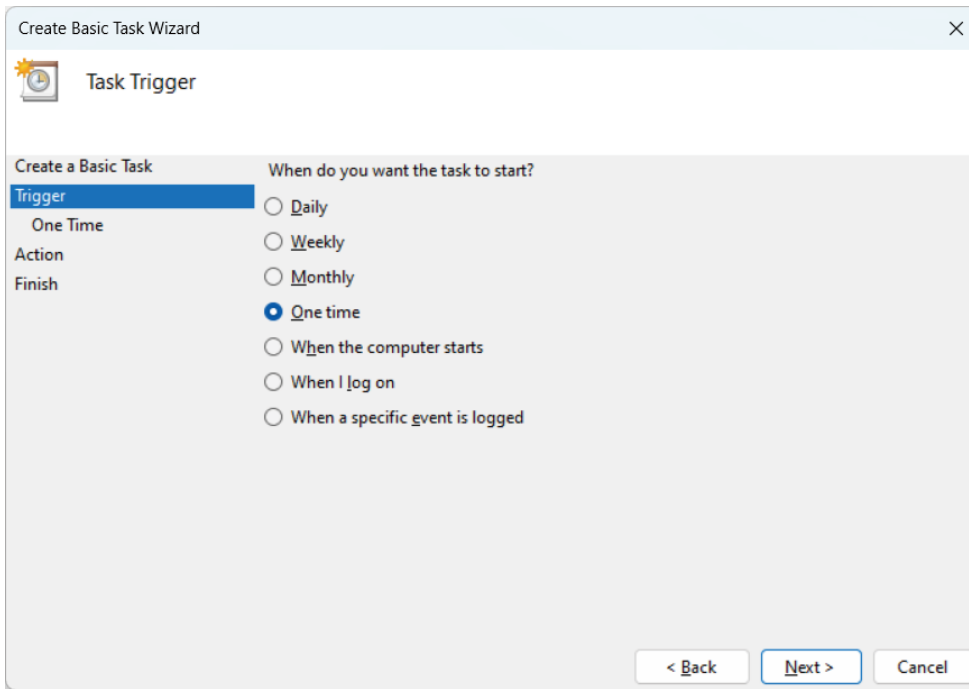
3. Click **Create Basic Task**.



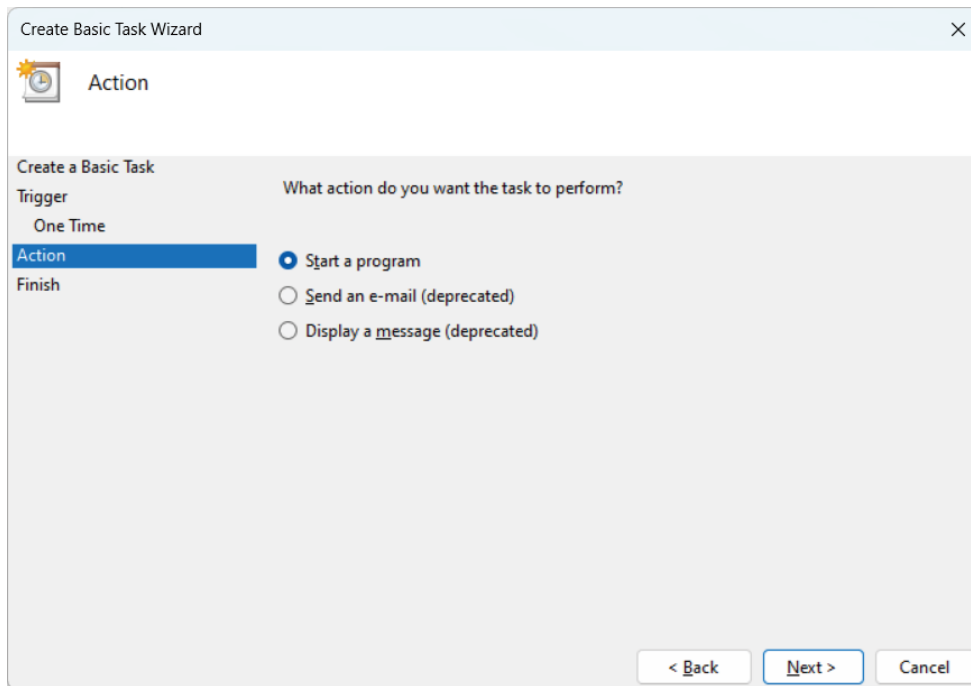
4. Type the task name in the **Name** field, and then click **Next**.



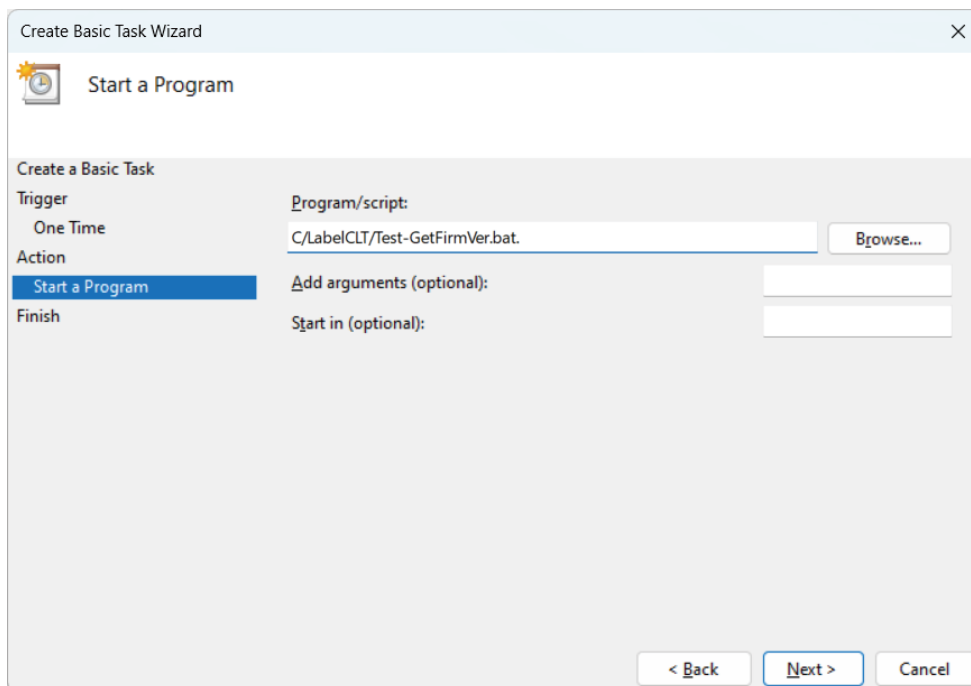
5. Select the trigger for the task, and then click **Next**.



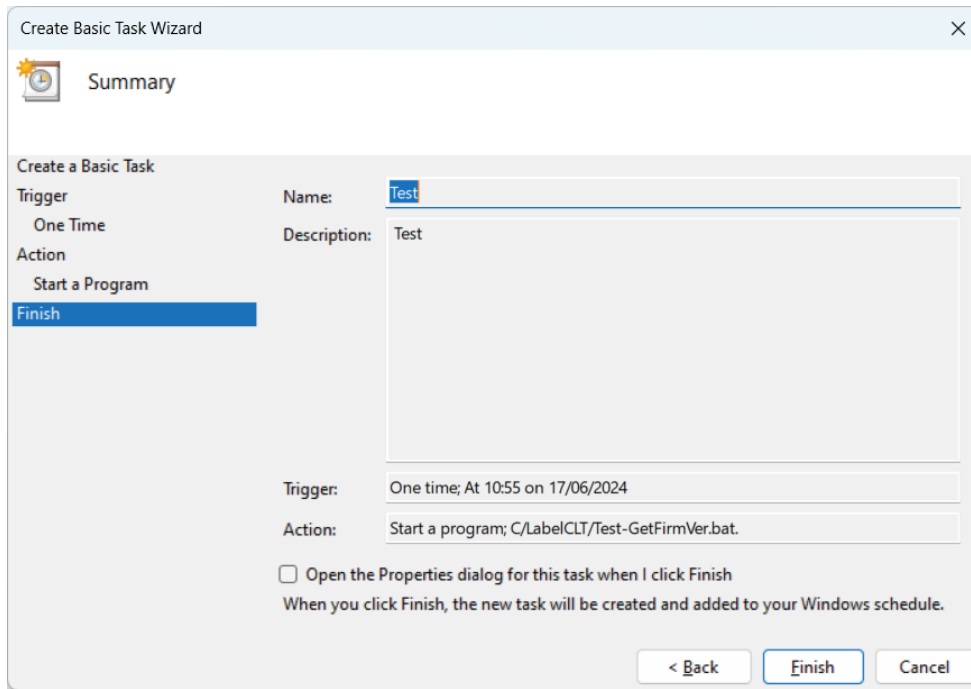
6. Select what you want to perform in the task (in this example, we have selected to **Start a program**), and then click **Next**.



7. Specify the prepared batch file in the **Program/script** field, and then click **Next**.



8. Click **Finish** to complete creating the task.



9. The task of checking the target printer's firmware will be completed at the specified time and using the specified batch file.

Operating Instructions

1. Commands to reboot and delete

Function	Command	Description	Example
Reboot printer	/reboot	Reboot the printer.	/ip:"192.168.0.250" /reboot
Remove font	/remove_font:"IndexNo"*	Remove the font you specify (USB only).	/printer:"Brother TD-2350D (300 dpi)" /remove_font:"*"
Remove certificate	/remove_client_certificate:"IndexNo"	Remove a specific client certificate (USB only).	/printer:"Brother TD-2350D (300 dpi)" /remove_client_certificate:1
	/remove_ca_certificate:"IndexNo"	Remove a specific CA certificate (USB only).	/printer:"Brother TD-2350D (300 dpi)" /remove_ca_certificate:1

* The font corresponding to the specified index number will be removed.

If you type "*" for the index number, all fonts will be removed.

Example:

To remove the tahoma.ttf font file, use the number assigned to it, in this case, "2".

```
C:\TEST> LabelCLT.exe/printer:"Brother TD-2350D (300 dpi)" /remove_font:"2"
```

```
0 times.ttf 1,220,872 byte
1 FontAwesome.oft 124.580 byte
2 tahoma.ttf 838,968 byte
```

2. Commands to learn printer information

Function	Command	Description	Example
Obtain device name	/get_devicename	View the device name.	/ip:"192.168.0.250" /get_devicename <Example Response> Brother TD-2350D (300 dpi)
Obtain firm version	/get_firmwarever	View the firmware version.	/ip:"192.168.0.250" /get_firmwarever <Example Response> Main V0.01
Obtain destination	/get_countrycode	View the destination information.	/ip:"192.168.0.250" /get_countrycode <Example Response> USA
Obtain capacity	/get_total_memory	View the total memory capacity.	/ip:"192.168.0.250" /get_total_memory <Example Response> All Storage Space 40,960KB
	/get_free_memory	View the total available memory capacity.	/ip:"192.168.0.250" /get_free_memory <Example Response> Storage Available 40,718KB
Obtain paper information	/get_current_medaiinfo	View the current paper information.	/ip:"192.168.0.250" /get_current_medaiinfo <Example Response> [Indefinite length/Die-cut] [width] mm x [length] mm

Function	Command	Description	Example
Obtain total number of printed pages	/get_totalpage	View the total number of printed pages.	/ip:"192.168.0.250" /get_totalpage <Example Response> Print Page Count 521
Obtain fonts	/get_fonts	View a list of fonts.	/printer:"Brother TD-2350D (300 dpi)" / get_fonts <Example Response> Index Font file name Size 0 f011003t_2.ttf 131KB 1 f005000d_2.ttf 55KB
Obtain certificate information	/get_client_certificates	View a list of client certificates.	/printer:"Brother TD-2350D (300 dpi)" / get_client_certificates <Example Response> Total number: 2 Index Certificate Name Validity Period 0 ABC-Certificate 2023/10/24 1 10.1.2.145 2025/4/1 "Total number" is the number of certificates on your printer.
	/get_ca_certificates	View a list of CA certificates.	/printer:"Brother TD-2350D (300 dpi)" / get_ca_certificates <Example Response> See example response above: /get_client_certificates.
Obtain Mobile Device Management (MDM) status	/get_mdm_status	View MDM mode status.	/ip:"192.168.0.250" /get_mdm_statu <Example Response> Direct Mode : ON Server : 10.244.5.66 SNTP : Synchronized State : Non-activated(-100)

Stand-alone Functions

You can use the following functions without communicating with the printer. Use LabelCLT alone to:

Function	Command	Description	Example
Display App information	/version	View the App version.	/version
Display command error list	/help	View a command list.	/help
	/error	View an error list.	/error
Display license	/license	View the OSS License.	/license
Display EULA	/eula	View the EULA. If user has not yet agreed to the terms and conditions of the EULA, they will be prompted to confirm their agreement.	/eula
Toggle log output ON/OFF	/enable_debug	Set the log output in the registry to ON. Executing the command will create the log folder "LabelCLT_debug" at the same level as the executable file (.exe) and output the logs.	/enable_debug
	/disable_debug	Set the log output in the registry to OFF. This stops automatic log output.	/disable_debug
Specify MIB attempt count	/mib_try_count:Count	Set the number of attempts to obtain information when communicating across a network.	/mib_try_count:10
Specify time-out for USB transfer	/usb_timeout:Count	Set the transfer time-out period (in milliseconds) for default data volume when using the USB Transfer API.	/usb_timeout:5000
Save files in BIN format	/save_bin:"FilePath"	Save files in BIN format. (Only for the extensions TTF and OTF)	/save_bin:"c:\test\arial.ttf"

brother