

TM-DT2 Series Deployment Guide

Overview

Describes the deployment function of the TM-DT2 Series.

Creating a Settings File

Describes setting files.

Settings from USB Memory

Describes how to execute settings from a USB memory.

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For Safety

Key to Symbols

The symbols in this manual are identified by their level of importance, as defined below. Read the following carefully before handling the product.

	Provides information that must be observed to avoid damage to your equipment or a malfunction.
	Provides important information and useful tips.

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.

Contents

■ For Safety	3
Key to Symbols	3
■ Restriction of Use	3
■ Contents	4

Overview.....5

■ Features	5
■ Operating Environment	6
Supported printer	6
USB Memory	6
■ Contents In the Package	7
Manual	7
Download	7

Creating a Settings File8

■ Settings File	8
■ Editing the setting.ini file	9
■ User Specified Module File	29
Creating a User Specified Module File	29
■ Saving the additional content	30

Settings from USB Memory.....31

■ Setting Method	31
■ Checking the printing result	32
■ Troubleshooting	33

Overview

This chapter describes the deployment function of the TM-DT2 Series.

Features

The deployment function can execute settings for the TM-DT2 Series from setting files on a USB memory. Features are as follows.

- After startup, you just need to connect a USB memory to the TM-DT2 Series to automatically execute the settings. There is no need for a specialized display or keyboard for the settings.
- Edit the setting files beforehand by using a computer.
- Setting results are printed by a printer.

Functions that can be set

The following functions can be set:

- TM-DT2 software settings
- Saving of Web contents files
- Printer network settings
- User module files for automatic execution by the OS

Settings of printer software and logo file registration can be backup and restored by using the TM-DT2 Series Utility.

Operating Environment

Supported printer

- TM-T70II-DT2
- TM-T88VI-DT2

USB Memory

Use a settings USB memory that meets the following conditions.

- USB 1.1 or higher
- 256MB or more space

The necessary space varies based on the size of the Web contents file.

Contents In the Package

The following items are provided in order to use the deployment function.

Manual

- TM-DT2 Series Deployment Guide (This manual):
The package of this guide includes a setting.ini file. Perform editing according to the items specified in this file.
- Technical Reference Guides for each printer:
Please download these separately.

Download

For customers in North America, go to the following web site:

<https://www.epson.com/support/>

For customers in other countries, go to the following web site:

<https://epson.sn>

Creating a Settings File

This chapter describes setting files.

Settings File

The following files are to be prepared.

File	Necessity	Description
setting.ini	Required	File used to configure the TM-DT2 Series. You must edit the contents of the setting.ini file to match the settings. See "Editing the setting.ini file" on page 9.
Web contents ^{*1}	Optional	The web content and style sheet to run on the TM-DT2 Web server.
ePOS-Device system update package ^{*1}	Optional	The TM-DT2 software update package file.
Device control script file ^{*2}	Optional	The script file used to control peripheral devices connected to the TM-DT2.
Device control program ^{*2}	Optional	<p>The program file used to control peripheral devices connected to the TM-DT2. If setting a developed device control program, create a zip file with the following folder configuration.</p> <p>Example folder configuration</p> <pre> programs.zip ├── aaa │ ├── aaa.exe │ └── GGateway.dll ├── bbb │ ├── bbb.exe │ └── GGateway.dll └── ccc ├── ccc.exe └── GGateway.dll </pre>
Certificate file ^{*1}	Optional	The certificate file used for server authentication.
SSL certificate file ^{*1}	Optional	The file used to register the TM-DT2 to act as an SSL server.
User specified module file	Optional	Users can include files to be run by the TM-DT2. See "User Specified Module File" on page 29.

*1 See the Technical Reference Guide of each TM-DT2 for more information.

*2 See the TM-DT Series Peripheral Device Control Guide.

Editing the setting.ini file

The setting.ini file is written as follows. Edit the contents to match your settings.

CAUTION

Delete any areas that are not required for setting.
When deleting, delete parameters as well as values.
Current settings are maintained for items that are not set.

Administrator information settings	<pre>[General] Administrator=T70IIDT2-Administrator Location=NAGANO</pre>
Device control information settings	<pre>[DeviceControl] NetworkDisconnectionDetection=45 ExecutingDeviceControlProgram=Everytime</pre>
Wired LAN settings	<pre>[WiredNetwork] IPAddressSettingMethod=Manual IPAddress=192.168.3.172 SubnetMask=255.255.255.0 Gateway=192.168.192.100 DNSServerSettingMethod=Manual DNSServerAddress1=192.168.3.177 DNSServerAddress2=192.168.3.178 DNSServerAddress3=192.168.3.179</pre>
Settings for registering printers controlled by TM-DT2 software	<pre>[Printer-1] DeviceID=TM-T20II Model=TM-T20II IPAddress=192.168.3.153 RetryInterval=1000 [Printer-2] DeviceID=TM-T70II Model=TM-T70II IPAddress=192.168.3.154 RetryInterval=1000</pre>
Specifying web content to register to the TM-DT2, and update settings	<pre>[WebContents] AutoUpdate=Enable Frequency=Daily Timing=12 UpdateTimeHour=12 UpdateTimeMinute=30 ID=TM-DT2_ver1.0_evaluator Password=DT-3.0_webserver AuthenticateServer=Enable FileURL=https://w2.server.tmi/samplestylesheet2.zip UseProxy=Disable ProxyURL=http://192.168.3.100:8080/ AppliedLocalFile=samplestylesheet2.zip</pre>

Server direct printing settings	<pre>[ServerDirectPrint] Use=Enable ID=TM-DT2_ver1.0_evaluator Password=DT-3.0_webserver AuthenticateServer=Enable URL1=https://w2.server.tmi/cgi-bin/nk/OK/server_directprint_1.cgi Interval1=100 URL2=http://w2.server.tmi/cgi-bin/nk/KO/server_directprint_2.cgi Interval2=86400 URL3=https://192.168.3.152/cgi-bin/nk/OK/server_directprint_3.cgi Interval3=200</pre>
Status notification settings	<pre>[StatusNotification] Use=Enable ID=TM-DT2_ver1.0_evaluator Password=DT-3.0_webserver AuthenticateServer=Enable URL=https://w2.server.tmi/cgi-bin/nk/OK/server_statusmonitor_1.cgi Interval=60</pre>
Time server use settings	<pre>[Time] UseTimeServer=Enable TimeServer=time.server.com Timezone="Tokyo Standard Time" DaylightSavingTime=Disable</pre>
Operation settings when pressing the TM-DT2 power button	<pre>[Shutdown] PowerButton=Enable ePOSDevice=Enable RequirePassword=Enable</pre>
SSL settings	<pre>[SSL] UseSSL=Enable CreateSelfSignedCert=Enable PrivateKeyFile=server.key CertificateFile=server.crt CertificateChainFile=chain.crt</pre>
Automatic certificate update settings	<pre>[AutoCertUpdate] Use = Enable UpdateTimeSetting = Enable UpdateTimeHour = 23 UpdateTimeMinute = 59 ConnectionType = Wired</pre>
Certificate file settings	<pre>[ServerAuthentication] AppliedLocalFile=cert.zip</pre>
EPSON TMNet WebConfig password settings	<pre>[Password] Password=* NewPassword=*</pre>

Backup and restore settings
for TM-DT2 Software

```
[Restore]
UseRestore=Disable
AuthenticateServer=Enable
ID=TM-DT2_ver1.0_evaluator
Password=DT-3.0_webserver
FileURL=https://w2.server.tmi/ver3.0_restore_server.dhc
UseProxy=Enable
ProxyURL=http://192.168.3.100:8080/

[Backup]
UseBackup=Enable

[BackupFolderPath-1]
Path=C:\EpsonFiles\
```

Web service function
update settings

```
[WebServiceUpdate]
AuthenticateServer=Enable
ID=TM-DT2_ver1.0_evaluator
Password=DT-3.0_webserver
FileURL=https://w2.server.tmi/cgi-bin/nk/OK/ESUP-SYS300W_auto.bin
UseProxy=Enable
ProxyURL=http://192.168.3.100:8080/
AppliedLocalFile=ESUP-SYS300W.bin
```

Network printer settings

```
[NetworkPrinter-1]
MACAddress=88:30:8A:3B:6D:E0
HostName=192.168.3.153
IPAddressSettingMethod=Manual
APIPA=Disable
IPAddress=192.168.3.15
SubnetMask=255.255.255.0
Gateway=192.168.3.1
Password=epson
```

Proxy settings

```
[Proxy]
UseProxyWebContentsUpdate=Enable
UseProxyServerDirectPrint=Enable
UseProxyStatusNotification=Enable
UseProxyRestore=Enable
UseProxyWebServiceUpdate=Enable
UseProxyDeviceDataNotification=Enable
UseProxyAutoCertUpdate = Enable
ProxyUrl=http://192.168.3.100
ID=TM-DT2_ver1.0_proxy
Password=DT-ver3.0_proxy
Port=8080
```

Customer display settings

```
[CustomerDisplay]
Use=Enable
Baudrate=2400
Databit=7
Parity=None
Brightness=100
```

Key input device settings	<pre>[KeyInputDevice-1] DeviceID=keyinput01 VenderName=Opticon ProductName=BarcodeReader VID=065A PID=A001 ControlScript=Scanner_Generic.js</pre>
Serial communications device settings	<pre>[SerialCommunicationDevice-1] DeviceID=serial01 PortName=COM1 ControlScript=SimpleSerial_Generic.js Baudrate=115200 Databit=8 Parity=None Stopbit=1 FlowControl=None</pre>
Other device settings	<pre>[OtherDevice-1] DeviceID=other01 ControlScript=Other_Device.js</pre>
Settings for the registered device of the control program	<pre>[ProgramDevice-1] DeviceID=programDevice1 ControlProgram=OposCashChangerHandler.exe</pre>
Device script settings	<pre>[DeviceControlScript] AppliedLocalFile=driver.zip</pre>
Device control program settings	<pre>[DeviceControlProgram] AppliedLocalFile=programs.zip</pre>
User specified module file settings	<pre>[AdditionalModules] AppliedLocalFile=addmodules.zip</pre>
Key input device automatic registration settings	<pre>[AutoRegist] Hid=Enable</pre>
Device data notification settings	<pre>[DeviceDataNotification] Use=Enable BoxID=id PrintError=Enable MessageString=DeviceDataNotification Message. Cut=Enable URL=https://w2.server.tmi/cgi-bin/auth/post.cgi ID=TM-DT2_ver1.0_evaluator Password=DT-3.0_webserver AuthenticateServer=Enable Bold=Enable Underline=Enable DoubleWidth=Enable DoubleHeight=Enable Reverse=Enable UpsideDown=Enable [DataNotificationDevice-1] DeviceID=local_keyboard [DataNotificationDevice-2] DeviceID=local_printer</pre>

Spooler settings	<pre>[PrintSpooler] Use=Enable RetryInterval=10 RetryCount=30</pre>
Charge mode settings	<pre>[UsbChargeMode] ChargeMode=standard</pre>
Print forwarding settings	<pre>[PrintForwarding] MessageString=Print Forwarding Bold=Enable Underline=Enable DoubleWidth=Enable DoubleHeight=Enable Reverse=Enable UpsideDown=Enable Cut=Enable Position=Bottom [PrintForwardingRoute-1] Primary=local_printer Secondary=TM-T20II Tertiary=TM-T70II</pre>
Settings when IP address has changed	<pre>[PrintIPAddress] Use=Enable</pre>

- * About the initial setting of password for EpsonNet Config (Web version), refer to the Technical Reference Guide of the TM-DT2.

Description of Elements

A description of the elements and valid values are as follows.

Section name	Parameter	Description
		Valid value
General	Administrator	Designates the administrator name displayed on the WebConfig [Admin information] page.
		Within 255 alphanumeric characters.
	Location	Designates the installation location displayed on the WebConfig [Admin information] page.
		Within 255 alphanumeric characters.
DeviceControl	NetworkDisconnectionDetection	Set the time to detect network disconnection displayed on the WebConfig [Startup settings] page.
		"5"/"15"/"30"/"45"
	ExecutingDeviceControlProgram	Designates the startup timing of the device control program displayed on the EPSON TMNet WebConfig [Start Settings] page.
		"Everytime"/ "Firsttime"
WiredNetwork	IPAddressSetting Method	Designates the method for setting the IP address.
		"Auto" / "Manual"
	IPAddress	Designates the IP address.
		<ul style="list-style-type: none"> This must be set if the value for IPAddressSettingMethod is "Manual". This is ignored if the value for IPAddressSettingMethod is "Auto".
	SubnetMask	Designates the subnet mask.
		<ul style="list-style-type: none"> This must be set if the value for IPAddressSettingMethod is "Manual". This is ignored if the value for IPAddressSettingMethod is "Auto".
	Gateway	Designates the default gateway.
		<ul style="list-style-type: none"> This is ignored if the value for IPAddressSettingMethod is "Auto". Format of [numerical value 1 to 255].[numerical value 0 to 255].[numerical value 0 to 255].[numerical value 0 to 254] The following address cannot be used. 127.0.0.1

Section name	Parameter	Description
		Valid value
WiredNetwork	DNSServerSetting Method	Designates the method for setting the DNS server address. <ul style="list-style-type: none"> If the value for "IPAddressSettingMethod" is "Auto", designate "Auto" or "Manual". If the value for "IPAddressSettingMethod" is "Manual", designate "Manual". "Auto" / "Manual"
	DNSServer Address1 DNSServer Address2 DNSServer Address3	Designates the IP addresses for the DNS servers. "1 - 3" indicates the order of use for the DNS servers. They are used in ascending order, starting with 1. <ul style="list-style-type: none"> If the value for "DNSServerSettingMethod" is "Manual", "DNSServerAddress1" must be designated. This is ignored if the value for "DNSServerSettingMethod" is "Auto". <ul style="list-style-type: none"> Format of [numerical value 1 to 255].[numerical value 0 to 255].[numerical value 0 to 254] The following address(es) cannot be used. 127.0.0.1 224.0.0.0 to 239.255.255.255 240.0.0.0 to 255.255.255.255 You do not have to input any characters.
Printer-%X%		<ul style="list-style-type: none"> Register a TM printer to be used for Epson ePOS SDK or ePOS-Device XML. Enter an integer of 1 or greater for %X%. (Example: Printer-1) Multiple printers can be registered at once by duplicating sections in which the %X% of this section was changed. Setting information for this printer is required. Setting information for additional printers is optional. For this printer's settings, you can designate "" for the IPAddress parameter and change only the device ID.
	DeviceID	Designates the device ID of the printer.
		1 to 29 alphanumeric characters/underscores/periods/hyphens
	Model	Specifies the model number of printers to control with Epson ePOS SDK, ePOS-Device XML.
		See the technical reference guide of each TM-DT2 for more information on controllable printers.
	IPAddress	Designates the IP address.
		<ul style="list-style-type: none"> To register a TM printer, designate the IP address of the TM printer. Format of [numerical value 0 to 255].[numerical value 0 to 255].[numerical value 0 to 255].[numerical value 0 to 254] The following address(es) cannot be used. 127.0.0.1 224.0.0.0 to 239.255.255.255 240.0.0.0 to 255.255.255.255
	RetryInterval	The communication retry interval is designated in units of milliseconds.
		This setting is ignored for this printer. Integer between 100 to 60,000

Section name	Parameter	Description
		Valid value
WebContents	AutoUpdate	Designates whether to enable / disable automatic updates for Web contents.
		"Enable" / "Disable"
	Frequency	Designates the frequency for automatic updates.
		"Hour" / "Daily" / "Weekly" / "Monthly"
	Timing	Designates the timing for automatic updates.
		<ul style="list-style-type: none"> This must be set if the value for "Frequency" is "Hour". This is ignored if the value for "Frequency" is "Daily". This must be set if the value for "Frequency" is "Weekly". This must be set if the value for "Frequency" is "Monthly".
		<ul style="list-style-type: none"> If the value for "Frequency" is "Hour", designate "1", "2", "3", "4", "6", "8", or "12". If the value for "Frequency" is "Weekly", select "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", or "Saturday". If the value for "Frequency" is "Monthly", designate an integer from 1 to 31.
	UpdateTimeHour	Designates the "hour" for the updates.
		<ul style="list-style-type: none"> This must be set if the value for "Frequency" is "Daily", "Weekly", or "Monthly". This is ignored if the value for "Frequency" is "Hour".
		Integer from 0 to 23
	UpdateTimeMinute	Designates the "minute" for the updates.
		<ul style="list-style-type: none"> This must be set if the value for "Frequency" is "Daily", "Weekly", or "Monthly". This is ignored if the value for "Frequency" is "Hour".
		Integer from 0 to 59
	ID	Designates the ID to use for Digest authentication.
		<ul style="list-style-type: none"> Required when the password uses characters other than null characters.
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Password	Designates the password to use for Digest authentication.
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	AuthenticateServer	Designates whether to enable or disable server authentication.
		"Enable" / "Disable"
	FileURL	Designates the URL to obtain Web contents from.
		Within 256 alphanumeric characters.
		<ul style="list-style-type: none"> The protocol is in http or https format. The expansion is zip.
	UseProxy	Designates whether to use a proxy server or not.
		"Enable" / "Disable"
	ProxyURL	Designates the URL of the proxy server.
		Within 255 alphanumeric characters.

Section name	Parameter	Description
		Valid value
WebContents	AppliedLocalFile	Designates the save destination for web content.
		Designates the file in the same folder as this file (setting.ini).
		Valid file name with the "zip" extension.
ServerDirectPrint		
	Use	Designates whether to enable / disable the Server Direct Print function.
		"Enable" / "Disable"
	ID	Designates the ID to be used when sending print data requests to the server. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".Required when the "Use" value is "Disable" and the "Password" value uses characters other than "" null characters.
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Password	Designates the password to be used when sending print data requests to the server. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Authenticate Server	Designates whether to enable or disable server authentication.
		"Enable" / "Disable"
	URL	Designates the printing data request destination URL. "URL", "URL1", "URL2" or "URL3" are required when the "Use" value is set to "Enable".
		Within 255 alphanumeric characters. <ul style="list-style-type: none">The protocol is in http or https format.
	Interval	Designates the standby time from the complete acquisition of print data until the next acquisition process.
		Required when the "Use" value is set to "Enable" and the "URL" value is set.
		Integer from 1 to 86,400.
	URL1 URL2 URL3	Designates the printing data request destination URL. <ul style="list-style-type: none">"URL", "URL1", "URL2" or "URL3" are required when the "Use" value is set to "Enable".
		Within 256 alphanumeric characters.
	Interval1 Interval2 Interval3	Sets the standby time (in seconds) from the end of acquiring printing data to the next acquisition operation.
		<ul style="list-style-type: none">Required when the "Use" value is set to "Enable" and the "URL1", "URL2", "URL3" value is set.
		Integer from 1 to 86,400.

Section name	Parameter	Description
		Valid value
StatusNotification		
	Use	Designates whether to enable / disable the status notification function.
		"Enable" / "Disable"
	ID	Designates the ID used when notifying the server of the status. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Password	Designates the password used when notifying the server of the status. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Authenticate Server	Designates whether to enable or disable server authentication.
		"Enable" / "Disable"
	URL	Designates the URL to send the status notification to. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".
		Within 255 alphanumeric characters. <ul style="list-style-type: none">The protocol is in http or https format.
	Interval	Designates the wait period from when a status is notified to the next notification operation. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".
		Integer from 1 to 86,400.
Time		
	UseTimeServer	Designates whether to perform synchronization with TimeServer or not.
		"Enable" / "Disable"
	TimeServer	Designates the timer server setting method. <ul style="list-style-type: none">If the value for "UseTimeServer" is "Enable", this must be set.
		No more than 250 alphanumeric characters.
	Timezone	Designates the timezone.
		Time zone ID get a list in Libtime get time list.
		Integer from -12 to 14
	DaylightSaving Time	Designates whether to enable / disable the daylight saving time. <ul style="list-style-type: none">If the value for "DaylightSavingTime" is "Disable", this is ignored.
"Enable" / "Disable"		
Shutdown		
	PowerButton	Designates whether to enable or disable shutdown when the power button is pressed. <ul style="list-style-type: none">Designates "Enable" and "Shutdown" will enable the shutdown process.Designates "Disable" and "None" will disable the shutdown process.
		"Enable" / "Disable" / "Shutdown" / "None"

Section name	Parameter	Description	
		Valid value	
Shutdown	ePOSDevice	Designates shutdown permissions for shutting down from ePOS-Device XML-compatible applications and Epson ePOS SDK for JavaScript-compatible applications.	
		"Enable" / "Disable"	
	RequirePassword	Designates password authentication when shutting down from ePOS-Device XML-compatible applications and Epson ePOS SDK for JavaScript-compatible applications.	
		"Enable" / "Disable"	
SSL			
	UserSSL	Designates whether to enable / disable SSL communication.	
		"Enable" / "Disable"	
	CreateSelfSignedCert	Designates whether to create a self-signed certificate. <ul style="list-style-type: none">This is ignored if the value for SSL is "Disable".	
		"Enable" / "Disable"	
	PrivateKeyFile	Designates the private key file(*.*).	
		Valid file name any extension <ul style="list-style-type: none">This must be set if the value for SSL is "Enable".This is ignored if the value for SSL is "Disable".This is ignored if the value for CreateSelfSignedCert is "Enable".	
		CertificateFile	Designates the certificate file(*.*).
			Valid file name any extension <ul style="list-style-type: none">This must be set if the value for SSL is "Enable".This is ignored if the value for SSL is "Disable".This is ignored if the value for CreateSelfSignedCert is "Enable".
	CertificateChainFile	Designates the certificate chain file(*.*).	
		Valid file name any extension <ul style="list-style-type: none">This is ignored if the value for SSL is "Disable".This is ignored if the value for CreateSelfSignedCert is "Enable".	
	AutoCertUpdate		
		Use	Enables/disables the automatic updating of certificates.
			"Enable" / "Disable"
		UpdateTimeSetting	Sets a scheduled time for automatically updating certificates.
			"Enable" / "Disable"
		UpdateTimeHour	Specifies the "hour" for the update time. This setting is required if "UpdateTimeSetting" is set to "Enable".
Integer from 0 to 23			
UpdateTimeMinute		Specifies the "minutes" for the update time. This setting is required if "UpdateTimeSetting" is set to "Enable".	
		Integer from 0 to 59	
ConnectionType		Select the connection type for the network to be used.	
		"Wired" / "Wireless"	
ServerAuthentication			
	AppliedLocalFile	Designates the certificate file.	
		Valid file name with the "zip" extension.	

Section name	Parameter	Description
		Valid value
Password	NewPassword	Designates the password to set for the TM-DT2 EPSON TMNet WebConfig.
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Password	Designates the password set for the TM-DT2 EPSON TMNet WebConfig. About the initial setting of password for EpsonNet Config (Web version), refer to the Technical Reference Guide of the TM-DT2.
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
Restore	If you are loading the file that the EPSON TMNet WebConfig settings are saved from another server, designate FileURL, UseProxy, and ProxyURL. These items will be input in the "Designate the file URL" item on EPSON TMNet WebConfig [Settings]-[Admin information]-[Save/restore settings] page. After performing Easy Setup settings, under the set printer's Web-Config, click the "Apply the setting file" button to download the setting file from the designated server and apply those settings.	
	UseRestore	Designates whether to enable or disable auto recovery.
		"Enable" / "Disable"
	Authenticate Server	Designates whether to enable or disable server authentication.
		"Enable" / "Disable"
	ID	Designates the ID used when notifying the server of the status.
		<ul style="list-style-type: none"> Required when the password uses characters other than null characters. 1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Password	Designates the password used when notifying the server of the status.
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	FileURL	Designates the URL for the file to perform the restore.
		Within 255 alphanumeric characters. <ul style="list-style-type: none"> The protocol is in http or https format.
	UseProxy	Designates whether to use a proxy server or not.
		"Enable" / "Disable"
	ProxyURL	Designates the URL of the proxy server.
		Within 255 alphanumeric characters. <ul style="list-style-type: none"> The protocol is in http or https format.
Backup	UseBackup	Designates the (user designated folder) path used to store backup data when backing up with the save settings function.
		"Enable" / "Disable"

Section name	Parameter	Description
		Valid value
BackupFolderPath BackupFolderPath-%X%		Enter an integer of 1 or greater for %X%. (Example: BackupFolderPath-1) Multiple printers can be registered at once by duplicating sections in which the %X% of this section was changed.
	Path	Specifies the (user designated folder) path used to store backup data when backing up with the save settings function.
		Character string of 255 characters or less (excluding the following characters) Asterisks, question marks, double quotation marks, less than signs, greater than signs, vertical lines
WebServiceUpdate	Authenticate Server	Designates whether to enable or disable server authentication.
		"Enable" / "Disable"
	ID	Designates the ID used when notifying the server of the status.
		<ul style="list-style-type: none"> Required when the password uses characters other than null characters. 1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
WebServiceUpdate	Password	Designates the password used when notifying the server of the status.
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	FileURL	Designates the URL for the package that can be applied for the WebService function update.
		Within 255 alphanumeric characters. <ul style="list-style-type: none"> The protocol is in http or https format.
	UseProxy	Designates whether to use a proxy server or not.
		"Enable" / "Disable"
	ProxyURL	Designates the URL of the proxy server.
		Within 255 alphanumeric characters. <ul style="list-style-type: none"> The protocol is in http or https format.
	AppliedLocalFile	Designates the ePOS-Device system update package.
		<ul style="list-style-type: none"> Designates the file in the same folder as this file (setting.ini). Valid file name with the "bin" extension.
NetworkPrinter NetworkPrinter-%X%		<ul style="list-style-type: none"> Change the network settings for the TM printer. For the network settings of the this printer, write to the WiredNetwork section. Enter an integer of 1 or greater for %X%. (Example: NetworkPrinter-1) Multiple printers can be registered at once by duplicating sections in which the %X% of this section was changed. To add this section to the setting.ini file, be sure to perform TM-DT2 settings with the TM printer connected.
	MACAddress	Designates the MACAddress for the TM printer whose settings will be changed. Check the status sheet of the TM printer for the MAC address.
		Use the following format. (00~FF):(00~FF):(00~FF):(00~FF):(00~FF):(00~FF)
	HostName	Specifies the HostName of the TM printer for which settings will be changed.
		This setting is ignored if a MAC address is specified. alphanumeric characters and symbols

Section name	Parameter	Description	
		Valid value	
NetworkPrinter NetworkPrinter- %X%	IPAddressSetting Method	Designates the method for setting the IP address.	
		"Auto" / "Manual"	
	APIPA	Designates whether to enable / disable the APIPA.	
		"Enable" / "Disable"	
	IPAddress	Designates the IP address. <ul style="list-style-type: none">• If the value for "IPAddressSettingMethod" is "Manual", this must be set.• If the value for "IPAddressSettingMethod" is "Auto", this is ignored.	
		<ul style="list-style-type: none">• Format of [numerical value 1 to 255].[numerical value 0 to 255].[numerical value 0 to 255].[numerical value 0 to 254]• The following address(es) cannot be used. 127.0.0.1 224.0.0.0 to 239.255.255.255 240.0.0.0 to 255.255.255.255	
	SubnetMask	Designates the subnet mask. <ul style="list-style-type: none">• If the value for "IPAddressSettingMethod" is "Manual", this must be set.• If the value for "IPAddressSettingMethod" is "Auto", this is ignored.	
		<ul style="list-style-type: none">• Format of [numerical value 0 to 255].[numerical value 0 to 255].[numerical value 0 to 255].[numerical value 0 to 255]• The following address(es) cannot be used. 0.0.0.0 127.0.0.1 255.255.255.255 255.0.255.0	
	Gateway	Designates the default gateway. <ul style="list-style-type: none">• This is ignored if the value for IPAddressSettingMethod is "Auto".	
		<ul style="list-style-type: none">• Format of [numerical value 0 to 255].[numerical value 0 to 255].[numerical value 0 to 255].[numerical value 0 to 255]• The following address(es) cannot be used. 127.0.0.1	
	Password	Designates the password of the TM printer for which the settings are to be edited.	
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters	
	Proxy		
		UseProxyWeb ContentsUpdate	Designates whether proxy use is enabled/disabled for web content updates.
			"Enable" / "Disable"
		UseProxyAutoCert- Update	Designates whether proxy use is enabled/disabled for automatic certificate updates.
			"Enable" / "Disable"
UseProxyServer DirectPrint		Designates whether proxy use is enabled/disabled for Server Direct Print.	
		"Enable" / "Disable"	
UseProxyStatus Notification		Designates whether proxy use is enabled/disabled for status notification.	
		"Enable" / "Disable"	
UseProxyRestore		Designates whether proxy use is enabled/disabled for auto restore.	
		"Enable" / "Disable"	

Section name	Parameter	Description	
		Valid value	
Proxy	UseProxyWebServiceUpdate	Designates whether proxy use is enabled/disabled for web content updates.	
		"Enable" / "Disable"	
	UseProxyDeviceDataNotification	Designates whether proxy use is enabled/disabled for device data notification.	
		"Enable" / "Disable"	
	ProxyUrl	Designates the proxy URL. Required when the following parameter values are set to "Enable". <ul style="list-style-type: none">UseProxyWebContentsUpdateUseProxyServerDirectPrintUseProxyStatusNotificationUseProxyRestoreUseProxyWebServiceUpdate	
		Within 255 alphanumeric characters. <ul style="list-style-type: none">The protocol is in http or https format.	
		ID	Designates the ID to be used for proxy authentication.
			1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Password	Designates the password to be used for proxy authentication.	
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters	
	Port	Designates the port number used for proxy server access. <ul style="list-style-type: none">The value in "Port" is used when it is set in "Port".The port number is acquired from the ProxyURL when the port number is not set in "Port".	
		Integer from 1 to 86,400 or "" null characters	
		CustomerDisplay	
	Use	Designates whether to enable/disable the use of customer displays for local connections.	
		"Enable" / "Disable"	
Baudrate	Designates the communication speed. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".		
	"2400" / "4800" / "9600" / "19200" / "38400" / "57600" / "115200"		
	Databit	Designates the bit length. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".	
"7" / "8"			
Parity	Designates the parity. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".		
	"None" / "Odd" / "Even"		
Brightness	Designates the brightness. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".		
	"100" / "60" / "40" / "20"		

Section name	Parameter	Description
		Valid value
KeyInputDevice KeyInputDevice-%X%	Enter an integer of 1 or greater for %X%. (Example: KeyInputDevice-1) Multiple printers can be registered at once by duplicating sections in which the %X% of this section was changed.	
	DeviceID	Designates the device ID. This element must be set.
		1 to 29 half-width alphanumeric characters, underscores, periods, hyphens
	VendorName	Designates the Vendor Name.
		Within 30 alphanumeric characters
	ProductName	Designates the Product Name.
		Within 30 alphanumeric characters
	VID	Designates the Vendor ID. This element must be set.
		4 hexadecimal digits
	PID	Designates the Product ID. This element must be set.
		4 hexadecimal digits
	ControlScript	Designates the name of the script file required to use the device.
		Valid file name with the ".js" extension
SerialCommunicationDevice SerialCommunicationDevice-%X%	Enter an integer of 1 or greater for %X%. (Example: SerialCommunicationDevice-1) Multiple printers can be registered at once by duplicating sections in which the %X% of this section was changed.	
	DeviceID	Designates the device ID. This element must be set.
		1 to 29 half-width alphanumeric characters, underscores, periods, hyphens
	PortName	Designates the COM port Name.
		COM + Number (1 to 256)
	ControlScript	Designates the name of the script file required to use the device. This element must be set.
		Valid file name with the ".js" extension
	Baudrate	Designates the communication speed. This element must be set.
		"2400" / "4800" / "9600" / "19200" / "38400" / "57600" / "115200"
	Databit	Designates the bit length. This element must be set.
		"7" / "8"
	Parity	Designates the parity.
		"None" / "Odd" / "Even" / "Mark" / "Space"
	Stopbit	Designates the stop bit. This element must be set.
		"1" / "1.5" / "2"
	FlowControl	Designates the flow control. This element must be set.
		"None" / "Hardware" / "XOnXOff"

Section name	Parameter	Description
		Valid value
OtherDevice OtherDevice-%X%	Enter an integer of 1 or greater for %X%. (Example: OtherDevice-1) Multiple printers can be registered at once by duplicating sections in which the %X% of this section was changed.	
	DeviceID	Designates the device ID. This element must be set.
		1 to 29 half-width alphanumeric characters, underscores, periods, hyphens
	ControlScript	Designates the name of the script file required to use the device. This element must be set.
		Valid file name with the ".js" extension
ProgramDevice ProgramDevice-%X%	Enter an integer of 1 or greater for %X%.	
	DeviceID	Designates the device ID. This element must be set.
		1 to 29 half-width alphanumeric characters, underscores, periods, hyphens
	ControlProgram	Designates the name of the program file required to use the device. This element must be set.
		Valid file name with the ".exe" extension
DeviceControlScript	AppliedLocalFile	Designates the device control script file.
		Designates the file in the same folder as this file (setting.ini).
		Valid file name with the ".zip" extension.
DeviceControlProgram	AppliedLocalFile	Designates the zip file including the added device control program file. The designated zip file is located in the same folder as the setting file. The "zip" file contains a folder with the same name as the "exe" file. Example:
		<pre> programs.zip ├── aaa │ └── aaa.exe ├── bbb │ └── bbb.exe └── ccc └── ccc.exe </pre>
		Valid file name with the ".zip" extension.
AdditionalModules	AppliedLocalFile	Designates the user specified module file.
		Designates the file in the same folder as this file (setting.ini).
		Valid file name with the ".zip" extension.
AutoRegist	Hid	Designates whether to enable or disable the automatic registration of key input devices.
		"Enable" / "Disable"

Section name	Parameter	Description
		Valid value
DeviceDataNotification		
	Use	Designates whether to enable or disable device data notification.
		"Enable" / "Disable"
	BoxID	Designates the notification destination ID for device data notification. <ul style="list-style-type: none">• This must be set if the value for "Use" is "Enable".• This is ignored if the value for "Use" is "Disable".
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens
	PrintError	Designates whether to enable or disable printing when an error notification is given. <ul style="list-style-type: none">• This must be set if the value for "Use" is "Enable".• This is ignored if the value for "Use" is "Disable".
		"Enable" / "Disable"
	MessageString	Sets the message printed when an error notification is given. <ul style="list-style-type: none">• This must be set if the value for "Use" is "Enable".• This is ignored if the value for "Use" is "Disable".
		255 bytes or less string (excluding the following strings) \t, \n, \r, \f, \v, %
	Cut	Designates whether to enable or disable paper cuts. <ul style="list-style-type: none">• This must be set if the value for "Use" is "Enable".• This is ignored if the value for "Use" is "Disable".
		"Enable" / "Disable"
	Url	Designates the URL link to the HTTP server and the application path. <ul style="list-style-type: none">• This must be set if the value for "Use" is "Enable".• This is ignored if the value for "Use" is "Disable".
		Within 255 alphanumeric characters <ul style="list-style-type: none">• The protocol is in http or https format.
	ID	Designates the ID used to identify the TM-DT2 on the HTTP server. <ul style="list-style-type: none">• This must be set if the value for "Use" is "Enable". "" (null character) can only be specified when the password value is set to "" (null character).
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Password	Designates the password to use for Digest authentication.
		1 to 30 half-width alphanumeric characters, underscores, periods, hyphens, "" null characters
	Authenticate Server	Designates whether to enable or disable server authentication using registered certificates for https access. <ul style="list-style-type: none">• This must be set if the value for "Use" is "Enable".• This is ignored if the value for "Use" is "Disable".
		"Enable" / "Disable"
	Bold	Designates whether to enable or disable printing in bold. <ul style="list-style-type: none">• This must be set if the value for "Use" is "Enable".• This is ignored if the value for "Use" is "Disable".
		"Enable" / "Disable"

Section name	Parameter	Description	
		Valid value	
DeviceDataNotification	Underline	Designates whether to enable or disable printing underlines. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".	
		"Enable" / "Disable"	
	DoubleWidth	Designates whether to enable or disable printing double width size characters. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".	
		"Enable" / "Disable"	
	DoubleHeight	Designates whether to enable or disable printing double height size characters. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".	
		"Enable" / "Disable"	
	Reverse	Designates whether to enable or disable printing reverse characters. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".	
		"Enable" / "Disable"	
	UpsideDown	Designates whether to enable or disable printing upside-down characters. <ul style="list-style-type: none">This must be set if the value for "Use" is "Enable".This is ignored if the value for "Use" is "Disable".	
		"Enable" / "Disable"	
	DataNotificationDevice		Enter an integer of 1 or greater for %X%.
	DataNotificationDevice-%X%		(Example: DataNotificationDevice-1) Multiple printers can be registered at once by duplicating sections in which the %X% of this section was changed.
	DeviceID	Designates the device ID. 1 to 29 half-width alphanumeric characters, underscores, periods, hyphens	
PrintSpooler			
	Use	Designates whether to enable or disable the use of the spooler function.	
		"Enable" / "Disable"	
	RetryInterval	Designates the interval between retries when a printing error occurs.	
		Integer from 1 to 60	
	RetryCount	Designates the number of retries when a printing error occurs.	
		Integer from 1 to 60	
PrintForwarding			
	MessageString	Designates the notification message character string printed when print forwarding.	
		255 bytes or less string (excluding the following strings) \\t, \\n, \\r, \\f, \\v	
	Bold	Designates whether to enable or disable printing in bold.	
		"Enable" / "Disable"	
	Underline	Designates whether to enable or disable printing underlines.	
		"Enable" / "Disable"	

Section name	Parameter	Description
		Valid value
PrintForwarding	DoubleWidth	Designates whether to enable or disable printing double width size characters.
		"Enable" / "Disable"
	DoubleHeight	Designates whether to enable or disable printing double height size characters.
		"Enable" / "Disable"
	Reverse	Designates whether to enable or disable printing reverse characters.
		"Enable" / "Disable"
	UpsideDown	Designates whether to enable or disable printing upside-down characters.
		"Enable" / "Disable"
PrintForwardingRoute	Position	Designates the print position of the message
		"Top" / "Bottom"
	Cut	Designates whether or not to cut the paper after printing the notice message.
		"Enable" / "Disable"
	Enter an integer of 1 or greater for %X%. (Example: PrintForwardingRoute-1) Multiple printers can be registered at once by duplicating sections in which the %X% of this section was changed.	
	Primary	Designates the printer to be set for forwarding path.
		1 to 29 half-width alphanumeric characters, underscores, periods, hyphens
	Secondary	Designates the printer a printing job is forwarded to when printing to the (Primary) printer fails.
		1 to 29 half-width alphanumeric characters, underscores, periods, hyphens
PrintIPAddress	Tertiary	Designates the printer a printing job is forwarded to when printing to the (Primary) and (Secondary) printers fail.
		1 to 29 half-width alphanumeric characters, underscores, periods, hyphens
	Use	Designates whether to enable or disable printing functions when the IP address has changed.
		"Enable" / "Disable"
UsbChargeMode	ChargeMode	Designates USB 2.0 Type-C port charging mode.
		"standard" / "fast"

User Specified Module File

The user specified module file is a file that can be run on the TM-DT2 OS (Windows 10).

TM-DT2 processes user specified module files as follows.

- 1** A user specified module file copied from a USB memory is unzipped to a temporary folder of the TM-DT2.
- 2** Search for the update batch file from the folder the user module specified file was unzipped to and run the update batch file.
- 3** When the update batch file is run and the process completes, the TM-DT2 shall acquire the update results from the update batch file.

Creating a User Specified Module File

User Specified Module File Format

Zip files created by 7zip are supported. (Encryption is not supported)

Create a user specified module file using the command prompt.

Make sure to include the update batch file (see "[Update Batch File](#)" on page 30) in the user specified module file.

Example of creating a user specified module file

Create a 7zip file.

7z.exe file name *

Update Batch File

Create an update batch file so that it fulfills the following conditions. Update batch file is executed in the "system privileges".

- Set the file name to "install.bat".
- Specify the path to the unzipped file relative to the update batch file when the path to the unzipped file is required. The current file is moved to the folder with the update batch file when the update batch file is executed.
- Do not set this to a process that requires a user response.
As update batch files are run as a Windows service process any process requiring a user response will suspend the update batch file process with no way to recover it.
- Create the update batch file to return the following values as processing results to the TM-DT2 once the update batch file has finished processing.

Value	Description
0	Successfully completed batch file processing
1 to 98	When setting number definitions unique to the user specified module: Set this as you see fit.

Examples of creating an update batch file

Performs a silent installation of example.exe and returns "0" if the silent installation succeeds.

```
cd /d %~dp0
start /wait ./example.exe /SILENT
exit 0
```

Saving the additional content

Save setting files in a USB memory.

NOTE

The maximum size of the files before zipping is 100 MB.

Settings from USB Memory

This chapter describes how to execute settings from a USB memory.

NOTE

When executing settings, all Web contents data saved in storage is deleted and overwritten.

Setting Method

Set the roll paper beforehand to print the setting result.

- 1 Turn on the TM-DT2.**
- 2 Check whether the Status LED (Orange) is turned off.**
Turning on the TM-DT2 will cause the Status LED (Orange) to flash for a while before turning off.
It may take several moments for the Status LED (Orange) to turn off when first turning on the TM-DT2 as the initial settings process is run internally.
- 3 Connect the settings USB memory to the TM-DT2.**
- 4 Connect a USB memory to execute settings.**
The status LED (orange) will flash while the settings process is ongoing.
- 5 Settings results will be printed out.**
See ["Checking the printing result" on page 32](#).

Checking the printing result

The following is an example of the printing result.

	***** TM-DT2 Status Sheet *****
TM-DT2 serial number	Serial Number: 1234567890
Preparation of kitting	Start seting. ===== Progress Report =====
Web service function update	<Web Service Update> SKIPPED
Web content update	<Web Content Update> SKIPPED
	<Additional Modules> SKIPPED
Applying new configuration	<Applying New Settings> SUCCESS ===== Setting Result ===== <General Information> Software 5.00 Model TM-T88VI-DT2 Time Nov-30-2018 09:00:00 (UTC-05:00) Eastern Time (US & Canada) Administrator - blank- Location - blank- <Wired TCP/IP> Get IP Address Auto Acquire DNS Server Address Automatically Auto <Time Server Setting> Use Time Server Enable Time Server time.windows.com
Shutdown settings	<Shutdown> Power Button Shutdown ePOS-Device Shutdown Require Password: Enable
	<SSL> Use SSL Disable <Device Control> Network disconnection det_..... 45 Executing device control program Everytime <Device> local_printer: TM-T88VI-DT2 local_display: DM-D <Web Content Update> Use Automatic Update Disable <Server Direct Print> Use Server Direct Print Disable <Status Notify> Use Status Notify Disable <Restore> ID - blank- Authenticate Server Disable File URL - blank- <Backup> User Folder - blank- <Update Web Service function> ID - blank- : ===== Setting done. Nov-30-2018 09:00:00

Troubleshooting

If an error occurs, the contents of the error are printed in the printing result. Refer to the solutions below to solve the issue.

Process	Printing result when an error occurs	Solution
During set-up preparation	SYSTEM ERROR: (4) Setting has been aborted.	<ul style="list-style-type: none"> • Check the specified file location and name. • Confirm access permissions for the file. • Check the available space on the drive.
	ERROR: The setting.ini contains some incorrect format on below items: <Section name> - [Item name which had the error] Setting has been aborted.	The format of the setting.ini is invalid. Check and revise the corresponding section of setting.ini.
	ERROR: Authentication failed. Setting has been aborted.	Failed to verify the password for EPSON TMNet Web-Config. Revise the password for setting.ini.
	SYSTEM ERROR: (99) Setting has been aborted. Error other than the above	Contact customer support for assistance.
Web Service Update	SKIPPED	Processing was omitted.
	SUCCESS	Processing succeeded.
	SYSTEM ERROR: (11)	Check if the update file is corrupted.
	SYSTEM ERROR: (12)	Check if the update file is corrupted.
	ERROR: File not found.	The designated update file could not be found. Check and revise the contents of AppliedLocalFile in the [WebService Update] section of setting.ini.
	ERROR:The installed software version is lower than the required version of update package.	The current software version for the TM-DT2 is lower than the version required for the update package you are trying to apply. Check if the update file you are applying is correct.
	ERROR;The installed software version is higher than the required version of update package.	The current software version for the TM-DT2 is higher than the version required for the update package you are trying to apply. Check if the update file you are applying is correct.
	SYSTEM ERROR: (99)	Contact customer support for assistance.
Restore Configuration	SKIPPED	Processing was omitted.
	SUCCESS	Processing succeeded.
	SYSTEM ERROR: (11)	Check if the update file is corrupted.
	ERROR: File not found.	The designated update file could not be found. Check and revise the contents of AppliedLocalFile in the [Restore] section of setting.ini.
	SYSTEM ERROR: (99) Error other than the above	Contact customer support for assistance.

Process	Printing result when an error occurs	Solution
Web Content Update	SKIPPED	Processing was omitted.
	SUCCESS	Processing succeeded.
	SYSTEM ERROR: (11)	Check if the update file is corrupted.
	ERROR: File not found.	The designated update file could not be found. Check and revise the contents of AppliedLocalFile in the [WebContents] of setting.ini.
	SYSTEM ERROR: (99) Error other than the above	Contact customer support for assistance.
Applying New Configuration	SKIPPED	Processing was omitted.
	SUCCESS	Processing succeeded.
	SYSTEM ERROR: (31)	Check if the setting values (upper/lower case, etc.) in the setting.ini file are correct.
	SYSTEM ERROR: (32)	Check if the setting values (upper/lower case, etc.) in the setting.ini file are correct.
	SYSTEM ERROR: (41)	Check if the password is too long. The password must be no longer than 30 characters. Check if characters that cannot be used are included in the password. Only alphanumeric characters, under scores, periods, and hyphens can be used in the password.
	SYSTEM ERROR: (42)	Check if the setting values (upper/lower case, etc.) in the setting.ini file are correct.
	SYSTEM ERROR: (43)	Check if the setting values (upper/lower case, etc.) in the setting.ini file are correct.
	ERROR: Shutdown settings update failed.	Check if the setting values (upper/lower case, etc.) in the setting.ini file are correct.
	ERROR: Private key file is not found.	The specified private key file is not found. Check and revise the contents of PrivateKeyFile in the [SSL] section of setting.ini.
	ERROR: Certificate file is not found.	The specified certificate file is not found. Check and revise the contents of CertificateFile in the [SSL] section of setting.ini.
	ERROR: Certificate chain file is not found.	The specified certificate chain file is not found. Check and revise the contents of CertificateChainFile in the [SSL] section of setting.ini.
	ERROR: Private key file or certificate file is not matched.	The specified private key file and the certificate file do not match. Check if the correct private key file is specified for the certificate file.
	ERROR: Invalid file was specified for the private key file.	Failed to read the private key file. Check if the private key file is corrupted.
	ERROR: Invalid file was specified for the certificate file.	Failed to read the certificate file. Check if the certificate file is corrupted.
	ERROR: Invalid file was specified for the certificate chain file.	Failed to read the certificate chain file. Check if the certificate chain file is corrupted.
	SYSTEM ERROR: (99) Error other than the above	Contact customer support for assistance.

Process	Printing result when an error occurs	Solution
Network Printer Settings	SUCCESS	Processing succeeded.
	ERROR: Password is not correct.	The password is wrong. Use the correct password.
	ERROR: Connection failed.	Connection with the printer could not be established. Check the printer settings and network status and make sure that the printer is ready for operation.
	ERROR: Device has been locked by another process.	Another process is using (locking) the target printer. Wait until the other process finishes using the printer and try again.
	SYSTEM ERROR: (99) Error other than the above	Contact customer support for assistance.