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TM-DT Series
Easy Setup Guide

Overview

Preparing the setting file

Easy Setup for the TM-DT

Restore the TMNet WebConfig

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NOTE	Provides important information and useful tips.

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About this Manual

Aim of the Manual

This manual presents information that is necessary for using the TM-DT Easy Setup.

The TM-DT series in this manual is a generic term for the following printers.

- TM-T88V-DT
- TM-T70II-DT
- TM-H6000IV-DT

Manual Content

The manual is made up of the following sections:

Chapter 1   Overview

Chapter 2   Preparing the setting file

Chapter 3   Easy Setup for the TM-DT

Chapter 4   Restore the TMNet WebConfig

Contents

Overview

This section explains the outline for the Easy Setup.

What is Easy Setup?

Easy Setup is a function that saves the settings for the TM-DT EPSON TMNet WebConfig on USB memory, copying it to a different TM-DT. You can perform settings for multiple TM-DT devices quickly and efficiently.

You can use it for systems that use ePOS-Print API, ePOS-Print XML and Server Direct Print.
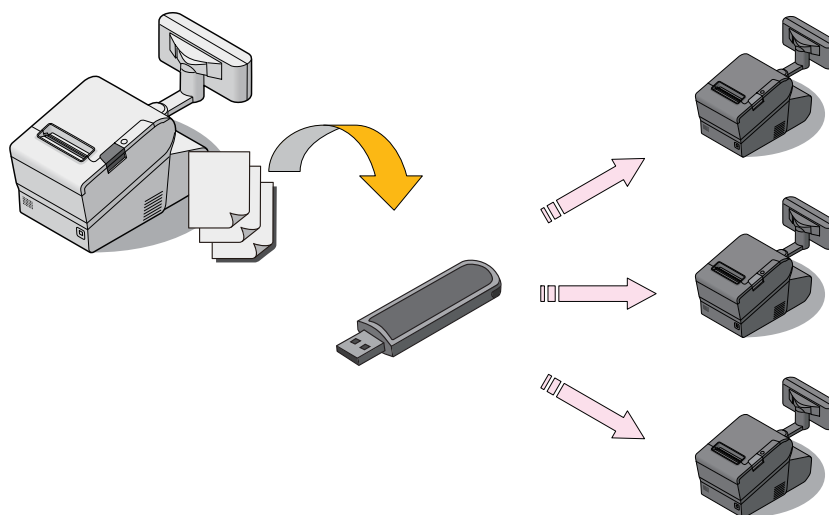
Use the following procedure to save the settings on USB memory.

1   Perform EPSON TMNet WebConfig settings on the TM-DT to be copied from, and save the settings file.

2   For network settings such as the IP address and the EPSON TMNet WebConfig settings, edit the settings.ini file attached to this document.

3   Copy the EPSON TMNet WebConfig setting file and the setting.ini file to the USB memory. Also, copy the Web contents file and the Web service function update file if necessary.

Perform settings on the printer to be copied to, using the following procedure.

1 Set roll paper in the TM-DT, and turn the power on.

2 Insert the USB memory. Settings are started automatically, and the result is printed.

Restore the TMNet WebConfig

You can easily restore the TMNet WebConfig settings from a file on USB memory, without using TMNet WebConfig. You can easily restore the existing settings when switching the TM-DT.

> **NOTE** The TMNet WebConfig setting file cannot be restored unless firmware versions match.
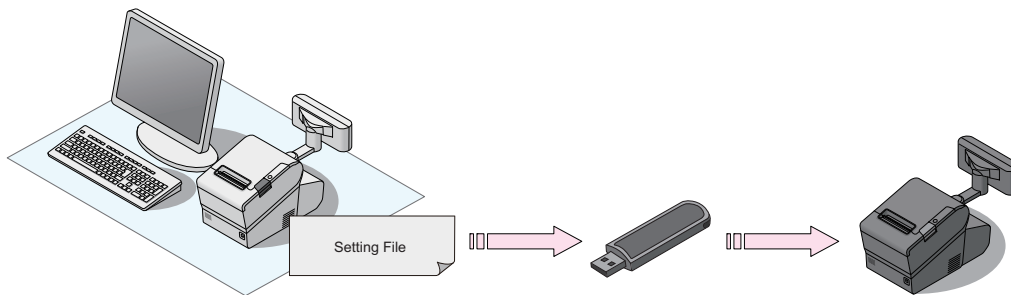
Environment

Supported printer

❏   TM-T88V-DT

❏   TM-T70II-DT

❏   TM-H6000IV-DT

USB memory

❏   USB 1.1 or later

❏   256 MB or more
    The necessary space varies based on the size of the Web contents file.

Updating the ePOS-Device

Once you have updated the ePOS-Device, you can use the new ePOS-Device functions.

Confirming the ePOS-Device version

You can confirm the version of the ePOS-Device on the EPSON TMNet WebConfig title bar.
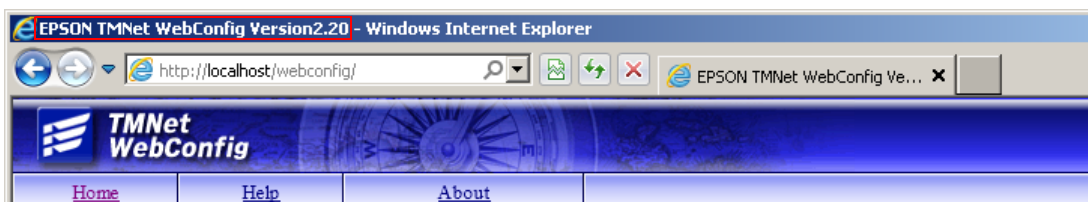
Downloading the ePOS-Device update program

Download the following file from the Epson website and save it in your local environment.

• File name: ePOS-Device System Update Package

For more information about the update method, refer to the Readme file in the ePOS-Device update package.

CAUTION	The ePOS-Device cannot be rolled back to an earlier version.

Preparing the setting file

This section explains the method for creating the setting files to save on the USB memory.

Setting files to save to USB memory

Save the following setting files on the USB memory in order to perform Easy Setup for the TM-DT.

File	Neces-sity	Description
setting.ini	Required	You must edit the contents of the setting.ini file to match the settings. Refer to "Editing the setting.ini file" on page 12.
Additional contents	Optional	Additional contents refer to the Web contents to be saved on the printer if you are using ePOS-Device API, ePOS-Device XML and Server Direct Ptrint.
Update files for the Web service function	Optional	Files provided by EPSON that perform updates, such as firmware, device control script file. Example : ESUP-SYS201W.bin

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Editing the setting.ini file

The setting.ini file is written as follows. Edit the contents to match your settings. Delete any areas that are not required for setting.

Different firmware versions provide different functions. If the setting.ini file from a newer version runs on an older version of the TM-DT, any functions not implemented on the old TM-DT are ignored, but the supported functions are executed.

> NOTE
>
> This file is for the firmware ver.2.5.

```
[General]
Administrator = Tom
Location = Counter001

[WiredNetwork]                                    Wired LAN settings
IPAddressSettingMethod = Manual
IPAddress = 172.150.1.2
SubnetMask = 255.255.255.0
Gateway = 172.150.1.1
DNSServerSettingMethod = Manual
DNSServerAddress1 = 172.150.1.201
DNSServerAddress2 = 172.150.1.202
DNSServerAddress3 = 172.150.1.203

[Wireless]                                        Wireless LAN settings
NetworkMode = Infrastructure
SSID = SSID.ueda
AuthenticationMethod = WPA2
EncryptionMethod = AES
DefaultWEPKey = 1
WEPKey1 = epson
WEPKey2 = 12345
WEPKey3 = 12345
WEPKey4 = 12345
PresharedKey = epson1234

[WirelessNetwork]
IPAddressSettingMethod = Manual
IPAddress = 172.160.20.2
SubnetMask = 255.255.255.0
Gateway = 172.160.20.1
DNSServerSettingMethod = Manual
DNSServerAddress1 = 172.160.20.201
DNSServerAddress2 = 172.160.20.202
DNSServerAddress3 = 172.160.20.203
```

```
[WebContents]
AutoUpdate = Enable
Frequency = Weekly
Timing = Wed
UpdateTimeHour = 23
UpdateTimeMinute = 59
FileURL = http://webcontent.server.jp/dt/webcontents.zip
UseProxy = Enable
ProxyURL = http://proxy.host.jp:8080
AppliedLocalFile = samplestylesheet.zip
```

Settings when registering Web contents

```
[ServerDirectPrint]
Use = Enable
ID = directPrintID-1202
Password = pass
URL = http://direct.print.server.jp/
Interval = 300
```

Settings when using the Server Direct Print

```
[StatusNotification]
Use = Enable
ID = statusID-1202
Password = pass
URL = http://status.notify.server.jp/
Interval = 300
```

Settings when using the Status notification function

```
[Time]
UseTimeServer = Enable
TimeServer = ntp.jst.mfeed.ad.jp
Timezone = Tokyo Standard Time
DaylightSavingTime = Disable
```

Settings when using TimeServer

```
[Password]
NewPassword = epson
Password = epson

[Restore]
FileURL = http://fileurl.server.jp/dt/restore.dhc
UseProxy = Enable
ProxyURL = http://proxy.host.jp:8081
AppliedLocalFile =
```

```
[WebServiceUpdate]
FileURL = http://fileurl.server.jp/dt/update.bin
UseProxy = Enable
ProxyURL = http://proxy.host.jp:8082
AppliedLocalFile =
```

Settings when using the WebService update function

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```
[Shutdown]
PowerButton = Enable
ePOSDevice = Enable
RequirePassword = Enable
```
Settings when shutting down the product from the ePOS-Device

```
[SSL]
UseSSL = Enable
PrivateKeyFile = server.key
CertificateFile = server.crt
CertificateChainFile = chain.cer
```
Settings when using the SSL

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.
WiredNetwork		Delete this item if you are not using wired LAN.
	IPAddressSetting Method	Designates the method for setting the IP address.
		"Auto" / "Manual"
	IPAddress	Designates the IP address. • This must be set if the value for IPAddressSettingMethod is "Manual". • 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(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

Section name	Parameter	Description
		Valid value
WiredNetwork	SubnetMask	Designates the subnet mask. • This must be set if the value for IPAddressSettingMethod is "Manual". • 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(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. • 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
	DNSServerSettingMethod	Designates the method for setting the DNS server address. • If the value for "IPAddressSettingMethod" is "Auto", designate "Auto" or "Manual". • If the value for "IPAddressSettingMethod" is "Manual", designate "Manual".
		"Auto" / "Manual"
	DNSServerAddress1~3	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. • If the value for "DNSServerSettingMethod" is "Manual", "DNSServerAddress1" must be designated. • This is ignored if the value for "DNSServerSettingMethod" 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(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.
Wireless		Delete this item if you are not using wireless LAN.
	NetworkMode	Designates the operation mode for wireless LAN.
		"Adhoc" / "Infrastructure"

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Section name	Parameter	Description
		Valid value
Wireless	SSID	Designates the SSID.
		1 to 32 alphanumeric characters (excluding half-width spaces, pound signs, and double quotation marks)
	AuthenticationMethod	Designates the authentication method.
		• If the value for "NetworkMode" is "Adhoc", designate "OpenSystem".
		• If the value for "NetworkMode" is "Infrastructure", designate "OpenSystem", "SharedKey", "WPA", "WPA2", "WPAPSK", or "WPA2PSK".
		"OpenSystem" / "SharedKey" / "WPA" / "WPA2" / "WPAPSK" / "WPA2PSK"
	EncryptionMethod	Designates the encryption method.
		• If the value for "Authentication Method" is "OpenSystem", designate "None" or "WEP".
		• If the value for "Authentication Method" is "SharedKey", designate "WEP".
		• If the value for "Authentication Method" is "WPA", "WPA2", "WPAPSK", or "WPA2PSK", designate "TKIP" or "AES".
		"None" / "WEP" / "TKIP" / "AES"
	DefaultWEPKey	Designates the WEP key in use (1 to 4).
		Integer from 1 to 4
	WEPKey1 to 4	Designates the WEP key that corresponds to the WEP key number.
		• For passphrases, use either 5 or 10 alphanumeric characters (0 to 9, a to z, A to Z).
		• For hexadecimals, use either 10 or 26 alphanumeric characters (0 to 9, a to f, A to F).
	PresharedKey	Designates the pre-shared key used when using WPA or WPA2.
		• For passphrases, use 8 to 63 alphanumeric characters (0 to 9, a to z, A to Z).
		• For hexadecimals, use 64 alphanumeric characters (0 to 9, a to z, A to Z).
WirelessNetwork		Delete this item if you are not using wireless LAN.
	IPAddressSettingMethod	Designates the method for setting the IP address.
		"Auto" / "Manual"

Section name	Parameter	Description
		Valid value
WirelessNetwork	IPAddress	Designates the IP address. • This must be set if the value for IPAddressSettingMethod is "Manual". • 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(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. • This must be set if the value for IPAddressSettingMethod is "Manual". • 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(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. • This is ignored if the value for IPAddressSettingMethod is "Auto".
		• 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 cannot be used. 127.0.0.1
	DNSServerSetting Method	Designates the method for setting the DNS server address.
		"Auto" / "Manual"

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Section name	Parameter	Description
		Valid value
WirelessNetwork	DNSServerAddress 1 to 3	Designates the IP addresses for the DNS servers. "1 to 3" indicates the order of use for the DNS servers. They are used in ascending order, starting with 1. - If the value for "DNSServerSettingMethod" is "Manual", "DNSServerAddress1" must be designated. - If the value for "DNSServerSettingMethod" is "Auto", this is ignored.
		- 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 - You do not have to input any characters.
Printer-%X% (Firmware version 2.2 or later)		- Register a TM printer to be used for ePOS-Device API 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 30 alphanumeric characters/underscores/periods/hyphens
	Model	Designates the model of the TM printer.
		For more information about printers that can be designated, see "Environment" on page 9.
	IPAddress	Designates the IP address. - To change the device ID for this printer, designate "" (empty string). - 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

Section name	Parameter	Description		
		Valid value		
Printer-%X% (Firmware version 2.2 or later)	RetryInterval	The communication retry interval is designated in units of milliseconds. This setting is ignored for this printer.		
		Integer between 100 and 60,000		
WebContents		Delete this item if you are not registering Web contents in the printer.		
	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. • 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".		
		• 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. • 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		

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Section name	Parameter	Description
		Valid value
WebContents		
	UpdateTimeMinute	Designates the "minute" for the updates. • 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
	FileURL	Designates the URL to obtain Web contents from.
		Alphanumeric characters • The protocol is in http or https format. • The expansion is zip.
	UseProxy	Designates whether to use a proxy server or not. • This is ignored if "FileURL" is not designated.
		"Enable" / "Disable"
	ProxyURL	Designates the URL of the proxy server. • If the value for "UseProxy" is "Enable", this must be set. • This is ignored if "FileURL" is not designated.
		Within 255 alphanumeric characters. • The protocol is in http or https format.
	AppliedLocalFile	This is the zip file for the Web contents to be decompressed. Designates the file in the same folder as this file (setting.ini).
		Valid file name with the "zip" extension
ServerDirectPrint		Delete this item if you are not using the server direct print.
	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. • This must be set if the value for "Use" is "Enable".
		Within 30 alphanumeric characters (only underscores, periods, and hyphens) Null characters can also be designated.
	Password	Designates the password to be used when sending print data requests to the server. • This must be set if the value for "Use" is "Enable".
		Within 30 alphanumeric characters (only underscores, periods, and hyphens) Null characters can also be designated.
	URL	Designates the print data request destination URL. • This must be set if the value for "Use" is "Enable".
		Within 255 alphanumeric characters. • The protocol is in http or https format.

Section name	Parameter	Description
		Valid value
ServerDirectPrint	Interval	Designates the standby time from the complete acquisition of print data until the next acquisition process.
		Integer from 1 to 86,400.
StatusNotification		Delete this item if you are not using the status notification.
	Use	Designates whether to enable / disable the Status notification function.
		"Enable" / "Disable"
	ID	Designates the ID used when notifying the server of the status. • This must be set if the value for "Use" is "Enable".
		Within 30 alphanumeric characters (only underscores, periods, and hyphens) Null characters can also be designated.
	Password	Designates the password used when notifying the server of the status. • This must be set if the value for "Use" is "Enable".
		Within 30 alphanumeric characters (only underscores, periods, and hyphens) Null characters can also be designated.
	URL	Designates the URL to send the status notification to. • This must be set if the value for "Use" is "Enable".
		Within 255 alphanumeric characters. • The protocol is in http or https format.
	Interval	Designates the wait period from when a status is notified to the next notification operation. • This must be set if the value for "Use" is "Enable".
		Integer from 1 to 86,400.
Time		Delete this item if not synchronizing with TimeServer.
	UseTimeServer	Designates whether to perform synchronization with TimeServer or not.
		"Enable" / "Disable"
	TimeServer	Designates the TimeServer name. • If the value for "UseTimeServer" is "Enable", this must be set.
		Within 250 alphanumeric characters.
	Timezone	Designates the timezone. You can acquire a list for the timezone ID using "Libtime get time list".
		Timezone ID defined for each OS / locale
	DaylightSavingTime	Designates whether there is daylight saving time or not. • If "Timezone" is not designated, this is ignored.
		"Enable" / "Disable"

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Section name	Parameter	Description
		Valid value
Shutdown (Firmware version 2.5 or later)	PowerButton	Designates whether to enable / disable shutdown when oressed power button.
		"Enable" / "Disable"
	ePOSDevice	Designates whether to enable / disable shutdown from the ePOS-Device API.
		"Enable" / "Disable"
	RequirePassword	Designates whether shutdown from the ePOS-Device API requires password authentication.
		"Enable" / "Disable"
SSL (Firmware version 2.5 or later)	UserSSL	Designates whether to enable / disable SSL communication.
		"Enable" / "Disable"
	PrivateKeyFile	Designates the private key file(*.*).
		Valid file name any extension • This must be set if the value for SSL is "Enable". • This is ignored if the value for SSL is "Disable".
	CertificateFile	Designates the certificate file(*.*).
		Valid file name any extension • This must be set if the value for SSL is "Enable". • This is ignored if the value for SSL is "Disable".
	CertificateChain-File	Designates the certificate chain file(*.*).
		Valid file name any extension • This is ignored if the value for SSL is "Disable".
Password	NewPassword	Designates the password set in WebConfig for the TM-DT to be copied.
		Within 30 alphanumeric characters.
	Password	For authentication, designates the password set in WebConfig for the TM-DT to be copied. The initial setting is "epson". This is a necessary item for the TM-DT to be copied.
		Within 30 alphanumeric characters.

Section name	Parameter	Description
		Valid value
Restore		• If designating the file name (saved in the same folder of the USB memory) which has the WebConfig settings saved, designate the file name in AppliedLocalFile.
		• If you are loading from another server, designate FileURL, UseProxy, and ProxyURL. These items will be input in the "Designate the file URL" item on WebConfig's (Settings)-(Admin information)-(Save/restore settings) page. After performing Easy Setup settings, under the set printer's WebConfig, click the "Apply the setting file" button to download the setting file from the designated server and apply those settings.
	FileURL	Designates the URL for the file to perform the restore.
		Within 255 alphanumeric characters. • The protocol is in http or https format.
	UseProxy	Designates whether to use a proxy server or not. • If FileURL is not designated, this is ignored.
		"Enable" / "Disable"
	ProxyURL	Designates the URL of the proxy server. • If the value for UseProxy is "Enable", this must be set. • If FileURL is not designated, this is ignored.
		Within 255 alphanumeric characters. • The protocol is in http or https format.
	AppliedLocalFile	Designates the back-up file to be applied. Designates the file in the same folder as this file (setting.ini).
		Valid file name with the "dhc" extension.
WebServiceUpdate		This setting is for updating WebConfig using the WebService update file. If you will not use this function, delete this item.
	FileURL	Designates the URL for the package that can be applied for the WebService function update.
		Within 255 alphanumeric characters. • The protocol is in http or https format.
	UseProxy	Designates whether to use a proxy server or not. • This is ignored if "FileURL" is not designated.
		"Enable" / "Disable"
	ProxyURL	Designates the URL of the proxy server. • If the value for "UseProxy" is "Enable", this must be set. • This is ignored if "FileURL" is not designated.
		Within 255 alphanumeric characters. • The protocol is in http or https format.

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Section name	Parameter	Description
		Valid value
WebServiceUpdate	AppliedLocalFile	Designates the update package to be applied.
		Designates the file in the same folder as this file (setting.ini).
		If two or more update files are specified, the update packages are applied in the order as written.
		To specify two or more update packages, list the file names separated by a comma (,).
		Valid file name with the "bin" extension.
NetworkPrinter-%X% (Firmware version 2.2 or later)		• Change the network settings for the network-connected TM printer. For the network settings of this printer, write to the WiredNetwork section or the WirelessNetwork section.
		• Enter an integer of 1or greater for %X%. (Example: Net-workPrinter-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 kitting with the TM printer connected.
		• To set wireless LAN, set all related parameters.
	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
	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.
		• If the value for "IPAddressSettingMethod" is "Manual", this must be set.
		• If the value for "IPAddressSettingMethod" is "Auto", this is ignored.
		• 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

Section name	Parameter	Description
		Valid value
NetworkPrinter-%X%	SubnetMask	Designates the subnet mask. • If the value for "IPAddressSettingMethod" is "Manual", this must be set. • If the value for "IPAddressSettingMethod" is "Auto", this is ignored.
		• 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. • This is ignored if the value for IPAddressSettingMethod is "Auto".
		• 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
	NetworkMode	Designates the operation mode for wireless LAN.
		"Adhoc" / "Infrastructure"
	SSID	Designates the SSID.
		1 to 32 alphanumeric characters and symbols (excluding spaces)
	AdhocChannel	Designates the adhoc channel used when the wireless LAN operation mode is "Adhoc". If "Infrastructure" is used for the wireless LAN operation mode designates "1".
		"1" to "11"
	Communication-Standard	Designates the communication standard for wireless LAN.
		"802.11b" / "802.11b/g/n" / "802.11b/g/n"
	Authentication-Method	Designates the authentication method. • If the value for "NetworkMode" is "Adhoc", designate "OpenSystem" or "SharedKey". • If the value for "NetworkMode" is "Infrastructure", designate "OpenSystem", "SharedKey", "WPA", "WPA2", "WPAPSK", or "WPA2PSK".
		"OpenSystem" / "SharedKey" / "WPA" / "WPA2" / "WPAPSK" / "WPA2PSK"

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Section name	Parameter	Description	
		Valid value	
NetworkPrinter-%X%	Encryption-Method	Designates the encryption method. • If the value for "Authentication Method" is "OpenSystem", designate "None" or "WEP". • If the value for "Authentication Method" is "SharedKey", designate "WEP". • If the value for "Authentication Method" is "WPA", "WPA2", "WPAPSK", "WPA2PSK", designate "TKIP" or "AES".	
		"None" / "WEP" / "TKIP" / "AES"	
	DefaultWEPKey	Designates the WEP key in use (1 to 4).	
		"WEPKey1" / "WEPKey2" / "WEPKey3" / "WEPKey4"	
	WEPKey1 to 4	Designates the WEP key that corresponds to the WEP key number.	
		• For the pass phrase, designates 5 or 13 alphanumeric characters and symbols (excluding spaces) . • For hexadecimals, use either 10 or 26 alphanumeric characters (0 to 9, a to f, A to F).	
	PresharedKey	Designates the pre-shared key used when using WPAPSK or WPA2PSK.	
		• For the pass phrase, designate between 8 and 63 alphanumeric characters and symbols (excluding spaces).	
	Password	Designates the password of the TM printer for which the settings are to be edited.	
		Within 30 alphanumeric characters.	

Saving the additional content

The additional contents vary depending on the environment you are constructing. Save the necessary files for your environment on the USB memory.

> **CAUTION**
> • When execute Easy Setup, the existing contents are deleted, and overwritten by additional contents in the USB memory.
> Zip the contents to be saved all together.
> • The maximum size of the files before zipping is 100 MB.
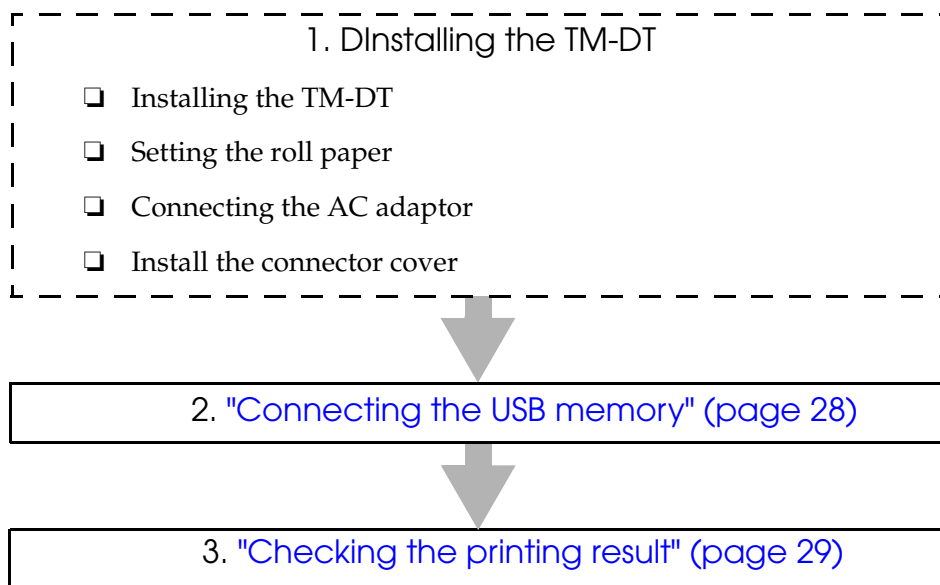
Easy Setup for the TM-DT

This section explains the method for setting up a TM-DT using the Easy Setup.

Flow of the Easy Setup

NOTE	In this set-up flow, items explained in this manual are framed in an solid line, while items where you must refer to the user's manual for each TM-DT are framed in a dotted line.

Install TM-DT using this Easy Setup through the following flow.

---

1. DInstalling the TM-DT

❏   Installing the TM-DT

❏   Setting the roll paper

❏   Connecting the AC adaptor

❏   Install the connector cover

---

2. "Connecting the USB memory" (page 28)

3. "Checking the printing result" (page 29)

Connecting the USB memory

CAUTION	• Remove the wireless LAN module before implementing the Easy Setup. • Set the roll paper beforehand to print the setting result. • If Easy Setup is not started, remove the USB memory, wait 30 seconds or more, then re-insert the USB memory.

1 Turn on the TM-DT.

2 Confirm that the status LED (orange) is off.

When you turn on the TM-DT, the status LED (orange) blinks, then turns off after a short time. If turning on the printer for the first time, initial settings are executed inside the device, so it will take some time for the status LED (orange) to turn off.

3 Connect the USB memory you prepared in Section 2.

4 When you connect the USB memory, setting processing is automatically started. The status LED (orange) blinks during setting processing.

5 After setting processing is completed, the setting result is printed. Check the printing result.

Refer to "Checking the printing result" on page 29.

Checking the printing result

The following is an example of the printing result.

TM-DT's serial number

Preparation of kitting

Web service fuction update

Restore settings

Web content update

Applying new configuration

Child printer's network settings

```
******************************
EPSON Status Sheet
******************************

Serial Number: 1234567890

====== Progress Report ======

EasySetup has been started.

----------------------------
Error has occured during parsing
setting.ini.
Below items are something wrong;
[WiredNetwork]
SubnetMask
Gateway
...
EasySetup has been aborted.
----------------------------

<Web Service Update>
SKIPPED
[dtPackage.bin]

<Restore Settings>
SKIPPED

<Web Content Update>
SKIPPED

<Applying New Configuration>
SUCCESS

<Network Printer Settings>
SUCCESS

====== Setting Result =======

<General Information>
Software
2.00
Model
TM-T88V-DT
Time
2012-10-10 09:00:00
GMT+09:00

<Wired TCP/IP>
Get IP Adress
Manual
IP Address
192.168.192.168
Subnetmask
255.255.255.0
Default Gateway
192.168.192.168
Acquire DNS Server Address Automatically
Disable
DNS Server Address
192.168.192.254
192.168.192.253
192.168.192.252

<Wireless>
Network Mode
Infrastructure
SSID
EpsonNet
Authentication Method
Open System
Security Mode
None

<Wired TCP/IP>
Get IP Address
Manual
IP Address
192.168.1.168
Subnetmask
255.255.255.0
Default Gateway
192.168.1.1
Acquire DNS Server Address Automatically
Disable
DNS Server Address
-
```

Shutdown settings

```
<Time Server Setting>
Use Time Server
Enable
Time Server
time.windows.com

<Shutdown>
Power Button
Enable
ePOS-Device
Shutdown: Enable
Require Password: Enable

<SSL>
SSL
Enable
Domain name in certification
aaa.bbb.com
Expiration date in certification
2013/01/02 05:06:07 GMT

<Device>
local_printer: TM-T88V-DT
local_display: DM-D110
local_keyboard: FFFF/FFFF
local_scanner: FFFF/FFFF
cat01: FFFF/FFFF
cat02: FFFF/FFFF
mst: custom

<Web Content Update>
Use Automatic Update
Enable
Schedule
Weekly - Sunday 08:00
File URL
http://example.com/webapp.zip
Use of proxy
Enable
Proxy URL and port no.
8080

<Server Direct Print>
Use Server Direct Print
Enable
ID
ABCDEFG
URL
http://example.com/order.cgi
Interval
5

<Status Notify>
Use Status Notify
Enable
ID
ABCDEFG
URL
http://example.com/status.cgi
Interval
5

<Restore>
File URL
http://example.com/update.bin
restore.dhc
Use of proxy
Enable
Proxy URL and port no.
8080

<Network Printer Settings>
NetworkPrinter-1: Success
NetworkPrinter-2: Failure
:
------------------------
Setting done.
2013/01/02 01:23:45
```

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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.	• 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 WebConfig. 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-DT 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-DT 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.

Process	Printing result when an error occurs	Solution
Restore Settings	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.
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 settings	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.

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Process	Printing result when an error occurs	Solution
Applying New settings	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.
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.

Restore the TMNet WebConfig

This section explains the method for using TMNet WebConfig for the Easy Setup.

Setting files to save to USB memory

Save the following setting files on the USB memory in order to restore the TMNet WebConfig.

File	Neces-sity	Description
TMNet WebConfig setting file	Required	The UserAppSnapshot.dhc file is created by (Save/restore settings) under (Admin information) in EPSON TMNet WebConfig. Default file name: UserAppSnapshot.dhc Refer to "Creating the Setting file" on page 34.
setting.ini	Required	You must edit the contents of the setting.ini file to match the settings. Refer to "Restore Settings" on page 35.

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Creating the Setting file

The Setting file is created by the TM-DT. Create the file using the following procedure.

1 Start the printer to be copied from.

2 Connect the USB memory.

3 Start EPSON TMNet WebConfig.

4 Use EPSON TMNet WebConfig to perform settings for the printer.
For how to perform settings for the printer, refer to the user's manual for each TM-DT.

5 After performing settings, use EPSON TMNet WebConfig to create the Setting file. Select (Admin information), then (Save/restore settings).
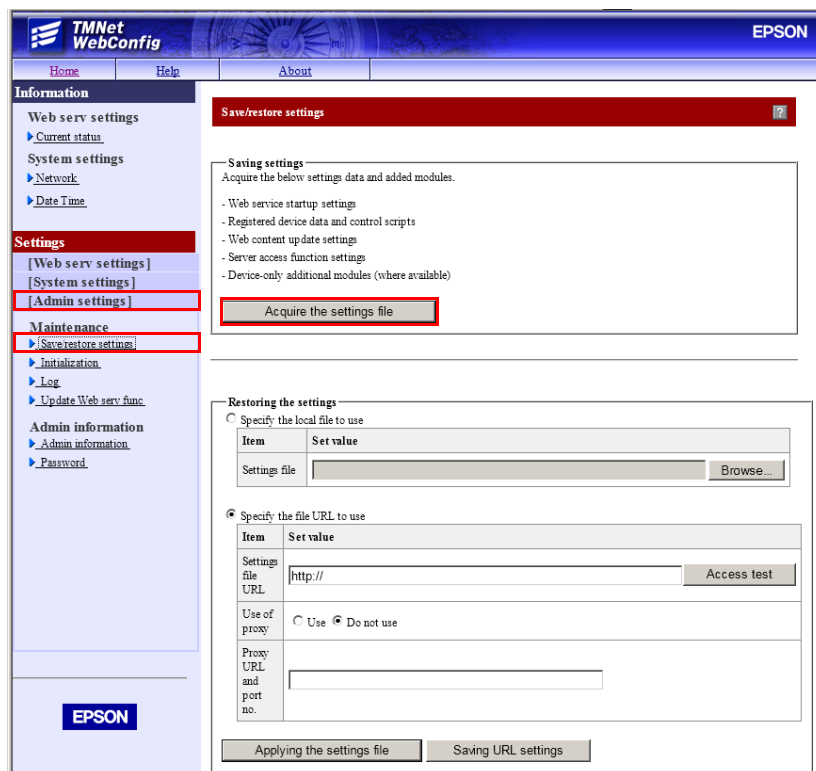
6 The "Save/restore settings" window is displayed. Click the (Acquire the settings file) button to set the location to save to.

Editing setting.ini file

The following is an example of specifying a value in a setting.ini file. To restore from a settings file, save the file into the folder that contains the setting.ini file, and specify the name of the settings file in the setting.ini file. Simply doing this will restore the settings from the settings file. Edit the contents to match your settings.

```
[Restore]
AppliedLocalFile = userAppSnapshot_0101.dhc
```

Section name	Parameter	Description
		Valid value
Restore	AppliedLocalFile	Designates the back-up file to be applied.
		Designates the file in the same folder as this file (setting.ini).
		Valid file name with the "dhc" extension.

Restore Settings

Designate the method for restoring settings by using the same procedure as for normal Easy Setup.

For detail, refer to .

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