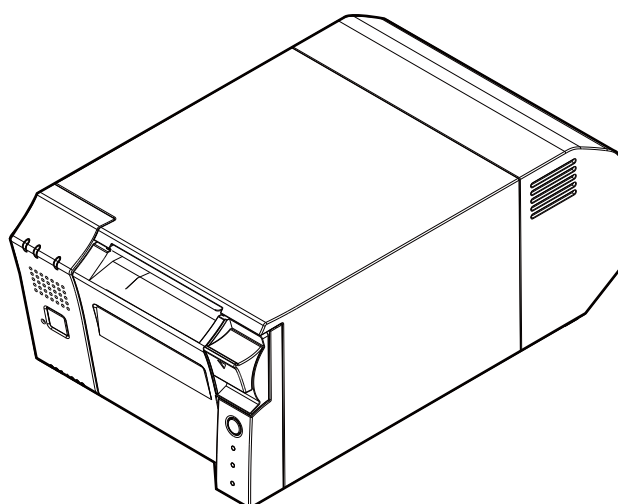


TM-T70II-DT

Manual de usuario

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Información importante sobre la seguridad

En este manual se facilita información importante para garantizar el uso seguro y eficaz de este producto. Lea este manual atentamente y guárdelo en un lugar accesible.

Si desea información sobre el desarrollo de un sistema con este producto y su configuración, consulte también la *Technical Reference Guide* (Guía de referencia técnica). Puede acceder a la *Technical Reference Guide* (Guía de referencia técnica) desde el Manual CD (CD del manual) suministrado.

Si su modelo tiene instalado Windows Embedded POSReady7 o Windows Embedded POSReady 2009, asegúrese de leer “[MICROSOFT SOFTWARE LICENSE TERMS](#)” al final de este manual antes de empezar a utilizar el producto. Si no acepta alguna de las condiciones, no utilice el producto.

Leyenda de los símbolos

Los símbolos incluidos en este manual se identifican por su nivel de importancia, tal y como se define a continuación. Lea cuidadosamente lo siguiente antes de utilizar el producto.



ADVERTENCIA:

Las advertencias deben seguirse estrictamente para evitar lesiones corporales graves.



PRECAUCIÓN:

Se deben tener en cuenta las precauciones para evitar lesiones menores a su persona, daños al equipo o pérdida de datos.



Nota:

Las notas contienen información importante y consejos útiles sobre el uso de su producto.

Precauciones de Seguridad



ADVERTENCIA:

- ☐ **Si el producto produce humo, olor extraño o ruidos inusuales, desenchufe inmediatamente el cable de alimentación y consulte a su distribuidor o a un centro de asistencia Epson. Si sigue utilizando el producto podría producirse un incendio o una descarga eléctrica.**
- ☐ **No use este producto con un voltaje diferente al especificado. En caso de hacerlo, podría producirse un incendio o una descarga eléctrica.**
- ☐ **Asegúrese de usar el adaptador de CA especificado [AC adapter, T (modelo: M284A)]. La conexión a una fuente de alimentación inapropiada puede causar daños al equipo, incendios o descargas eléctricas.**
- ☐ **No conecte los cables de forma diferente a la especificada en el manual. Las conexiones diferentes pueden causar daños al equipo o incendio.**
- ☐ **No bloquee los orificios de ventilación del producto. Ello puede producir un recalentamiento interior del producto y causar un incendio.**
 - No coloque el producto en un lugar estrecho y sin ventilación como por ejemplo una estantería.
 - No coloque el producto sobre tapetes.
 - No cubra el producto con ningún tejido.
- ☐ **No use el producto donde pudiese haber vapores inflamables de gasolina, benceno, disolvente u otros líquidos inflamables en el aire. Hacerlo podría causar una explosión o un incendio.**
- ☐ **No utilice aerosoles que contengan gases inflamables dentro o cerca de este producto. Si lo hace, podría provocarse un incendio.**

- ❑ ***Si se derrama agua o algún otro líquido dentro del producto, desenchufe inmediatamente el cable de alimentación y consulte a su distribuidor o a un centro de servicios Epson. Si sigue utilizando el producto podría producirse un incendio o una descarga eléctrica.***
- ❑ ***No deje caer materiales extraños dentro del producto. La introducción de objetos extraños podría causar un incendio o una descarga eléctrica.***
- ❑ ***Nunca trate de reparar este producto usted mismo. Una reparación incorrecta puede ser peligrosa.***
- ❑ ***Nunca desmonte o modifique este producto. La manipulación de este producto puede causar lesiones, incendios o descargas eléctricas.***
- ❑ ***No trate de abrir o desmontar la batería interna de litio. Pueden ocasionarse quemaduras o escapes de sustancias químicas peligrosas.***
- ❑ ***No deje la batería interna de litio en lugares calientes como por ejemplo cerca de chimeneas o estufas puesto que puede recalentarse y prender fuego.***



PRECAUCIÓN:

- ❑ ***No use el producto en lugares donde haya altos niveles de humedad o polvo. La humedad y polvo excesivos pueden provocar atascos de papel u otros problemas tales como incendios o descargas eléctricas.***
- ❑ ***Coloque este producto sobre una superficie horizontal, firme y estable. El producto puede romperse o causar lesiones si se cae.***
- ❑ ***No pise o coloque objetos pesados encima de este producto. El equipo podría caerse o aplastarse causando roturas y posibles lesiones.***
- ❑ ***Compruebe que al utilizar este producto esté colocada la tapa de conectores. Si no está colocada, pueden introducirse objetos extraños en el producto y causar incendios o daños al equipo.***
- ❑ ***Cuando desplace el producto, aférrelo por el cuerpo principal. Si lo aferra por la tapa de conectores, esta puede salirse y el cuerpo principal puede romperse o causar lesiones al caerse.***
- ❑ ***El cabezal de impresión puede alcanzar una temperatura muy elevada durante la impresión e inmediatamente después de ella. Si debe tocarlo, por ejemplo para limpiarlo, espere hasta que se enfríe. Si lo toca antes, podrían producirse quemaduras.***
- ❑ ***Tenga cuidado con las cuchillas de corte de la unidad impresora.***
- ❑ ***Compruebe que los requisitos totales de energía de todos los dispositivos que reciben energía de este producto no superen su capacidad total de alimentación. En caso contrario, los dispositivos pueden dañarse.***
- ❑ ***Si se conecta un cable LAN aéreo exterior directamente al producto pueden producirse daños por descarga eléctrica. Si necesita colocar dicho cable al producto, el cable debe estar protegido contra aumentos repentinos de voltaje entre el cable y el producto. No deberá conectar el producto a un cable LAN aéreo externo no protegido contra aumentos repentinos de voltaje.***
- ❑ ***No conecte la línea telefónica al conector de apertura de caja de este producto. La línea telefónica o el producto podrían dañarse.***
- ❑ ***Para garantizar la seguridad, desenchufe este producto antes de dejarlo inactivo por un periodo prolongado.***

Etiquetas de precaución

Las etiquetas de precaución del producto indican las siguientes precauciones.

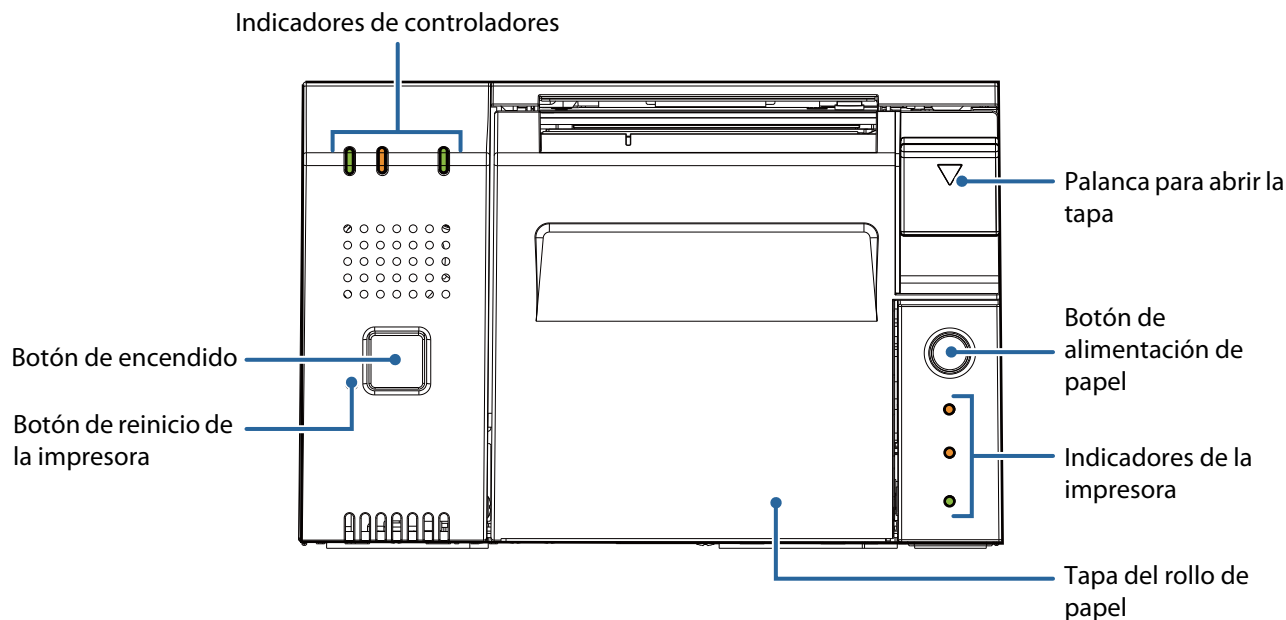


PRECAUCIÓN:

No toque el cabezal térmico ya que puede alcanzar una temperatura muy elevada después de la impresión.

Nombres y funciones de las piezas

Parte frontal



Botón de encendido

Pulse este botón para encender o apagar el producto. Mantenga pulsado este botón para forzar el apagado del producto. (🔌 “Terminación forzada” en la página 15)

Botón de reinicio de la impresora

Mantenga pulsado este botón con un objeto puntiagudo (como la punta de un bolígrafo) hasta que se apague el indicador de ⌚ (Alimentación) para reiniciar la impresora.

Tapa del rollo de papel

Abra esta tapa para cargar/cambiar el rollo de papel.

Botón de alimentación de papel

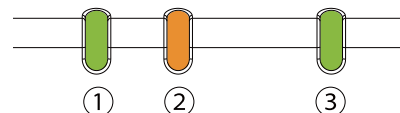
Pulse este botón para alimentar el rollo de papel.

Palanca para abrir la tapa

Apriete esta palanca para abrir la tapa del rollo de papel.

Indicadores de controladores

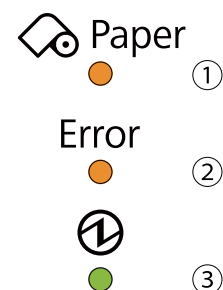
Indica el estado de la unidad controladora.



Indicador LED	Estado de LED	Significado
① Indicador de estado (verde)	Encendido	El aparato está encendido.
	Parpadeo (con intervalos de aprox. 1 s)	Tiempo de espera.
	Apagado	El aparato está apagado.
② Indicador de estado (naranja)	Parpadeo (con intervalos de aprox. 1 s)	Inicio, apagado o actualización de software.
	Parpadeo (con intervalos de aprox. 160 ms)	La temperatura de la CPU es elevada.
③ Indicador de acceso almacenamiento (verde)	Encendido	Acceso al almacenamiento en curso.

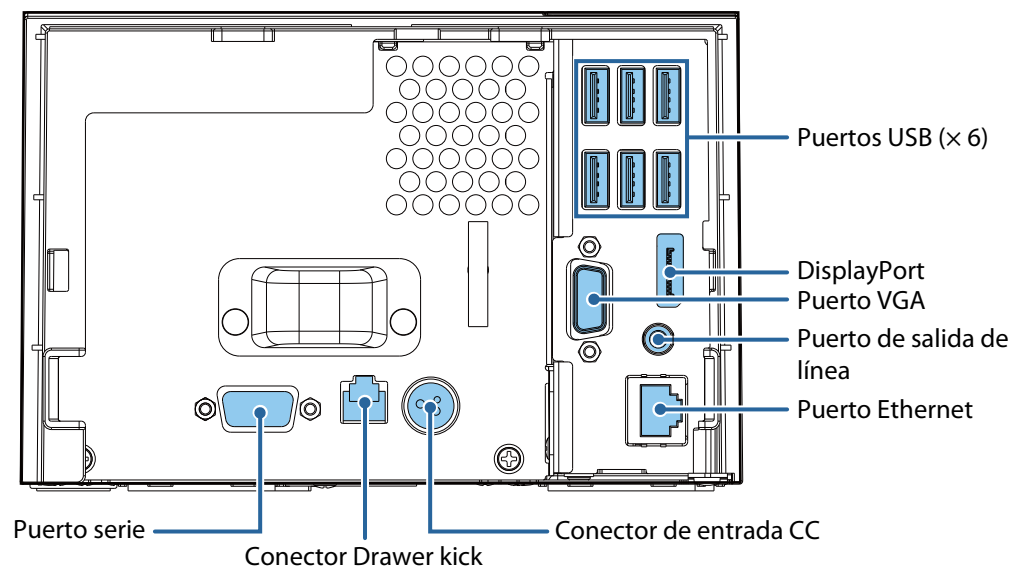
Indicadores de la impresora

Indican el estado de la impresora.



Indicador LED	Estado de LED	Significado
① Indicador de Paper (Papel) (naranja)	Encendido	El rollo de papel está a punto de acabarse.
	Parpadeo	Esperando que continúe la prueba automática de impresión.
	Apagado	Queda una cantidad suficiente de rollo de papel.
② Indicador de Error (Error) (naranja)	Encendido	Desconectado
	Parpadeo	Se ha producido un error.
	Apagado	En estado normal.
③ Indicador de ① (Alimentación) (verde)	Encendido	El aparato está encendido.
	Apagado	El aparato está apagado.

Sección trasera



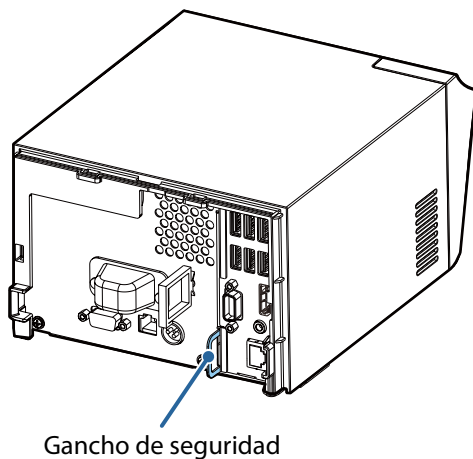
Configuración

Instalación del producto

Instale el producto horizontalmente sobre una superficie firme y estable.

 **Nota:**

- ☐ El gancho de seguridad situado en la parte posterior del producto permite conectarlo a cualquier tipo de cable antirrobo comercialmente disponible.



- ☐ Opcionalmente se ofrece cinta adhesiva para fijar el producto (DF-10). ( "Fijación del producto" en la página 13)

Conexión del adaptador de CA

Proceda tal y como se explica a continuación para conectar el adaptador de CA.



ADVERTENCIA:

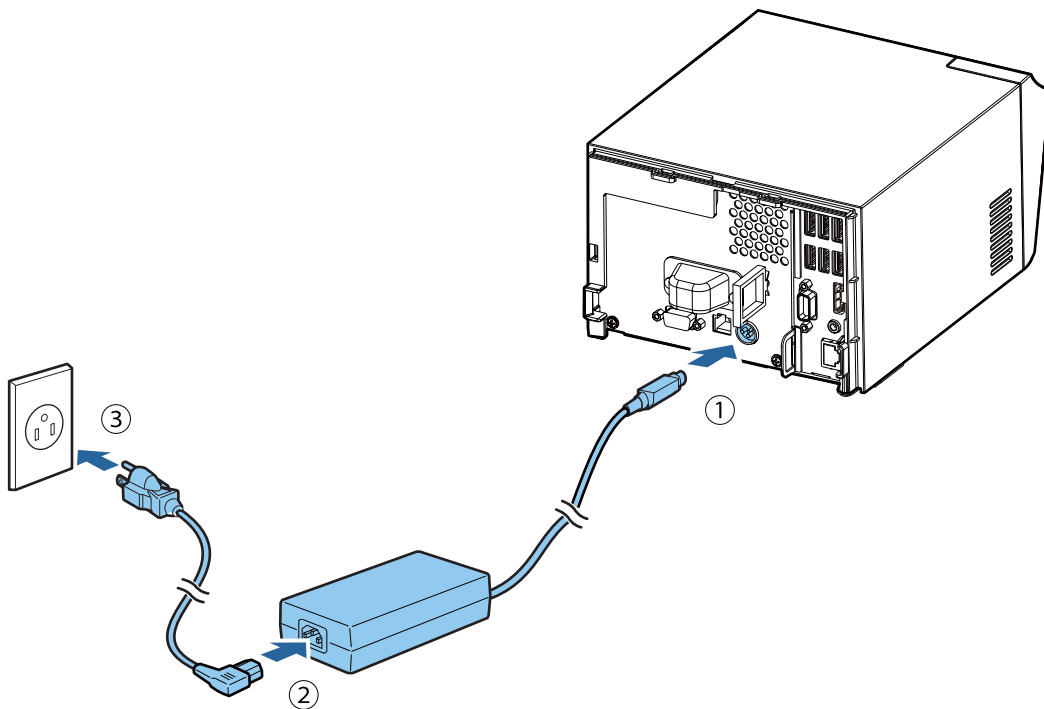
Asegúrese de usar el adaptador de CA especificado [AC adapter, T (modelo: M284A)]. La conexión a una fuente de alimentación inapropiada puede causar daños al equipo, incendios o descargas eléctricas.



PRECAUCIÓN:

Compruebe haber dejado un espacio entre el adaptador de CA y la unidad principal.

1. Inserte con firmeza el conector de CC del adaptador de CA hasta el fondo en los conectores de entrada de CC del producto. (① en la ilustración)
2. Inserte con firmeza el conector del cable de CA hasta el fondo en la entrada de CA del adaptador de CA. (② en la ilustración)
3. Inserte con firmeza el enchufe hasta el fondo en la toma de corriente de pared con conexión a tierra. (③ en la ilustración)
4. Coloque el adaptador de CA para que el lado de la etiqueta mire hacia abajo.

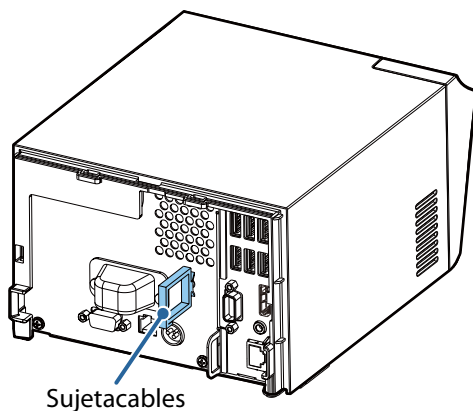


Conexión de dispositivos externos

Si conecta los dispositivos externos, apague el producto y conecte cada cable al puerto o al conector que se encuentra en la parte posterior del producto. (🔗 ["Sección trasera" en la página 7](#))

Nota:

Cuando conecte cables cuyos conectores no queden bloqueados (cables USB y cable de salida de línea), páselos por la brida de cables para evitar que se salgan.

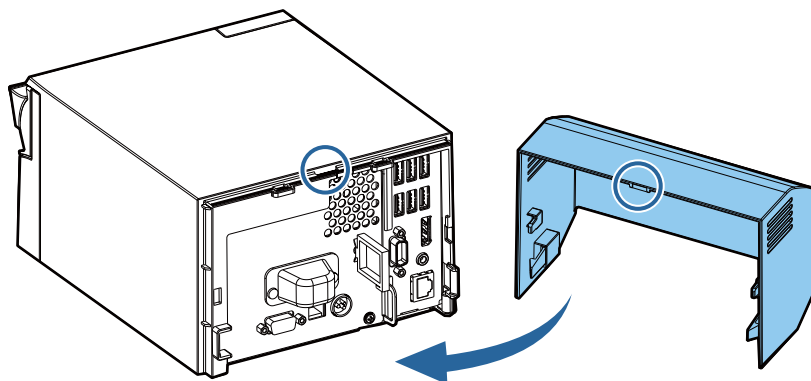


Colocación/extracción de la tapa del conector

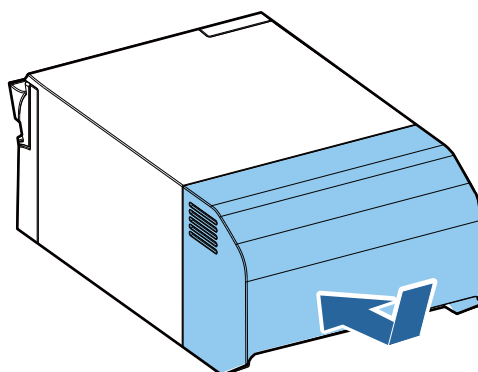
Colocación de la tapa del conector

Siga los siguientes pasos para colocar la tapa del conector, para proteger los cables.

1. Alinee la pestaña de la tapa de conectores con la muesca del cuerpo principal.



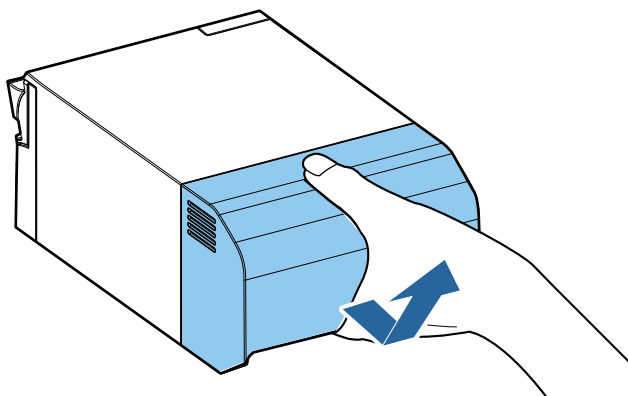
2. Empuje la tapa de conectores hasta que haga clic contra el cuerpo principal.



3. Compruebe que los cables no queden aplastados.

Extracción de la tapa de conectores

Levante la parte inferior de la tapa de conectores mientras empuja hacia abajo el centro de la tapa de conectores para separarlo del cuerpo principal.



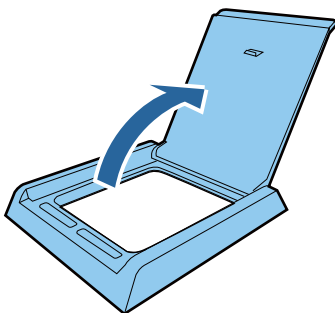
Colocación de la tapa del interruptor de encendido

Coloque la tapa del botón de encendido suministrada con el producto sobre el botón de encendido para evitar el funcionamiento accidental de este botón. Siga los pasos que se indican abajo para colocar la tapa del botón de encendido.

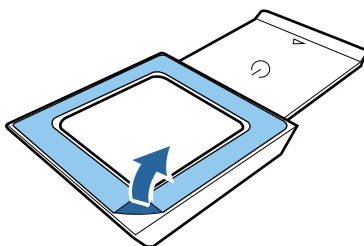
 Nota:

Se recomienda limpiar la suciedad alrededor del botón de encendido antes de colocar la tapa.

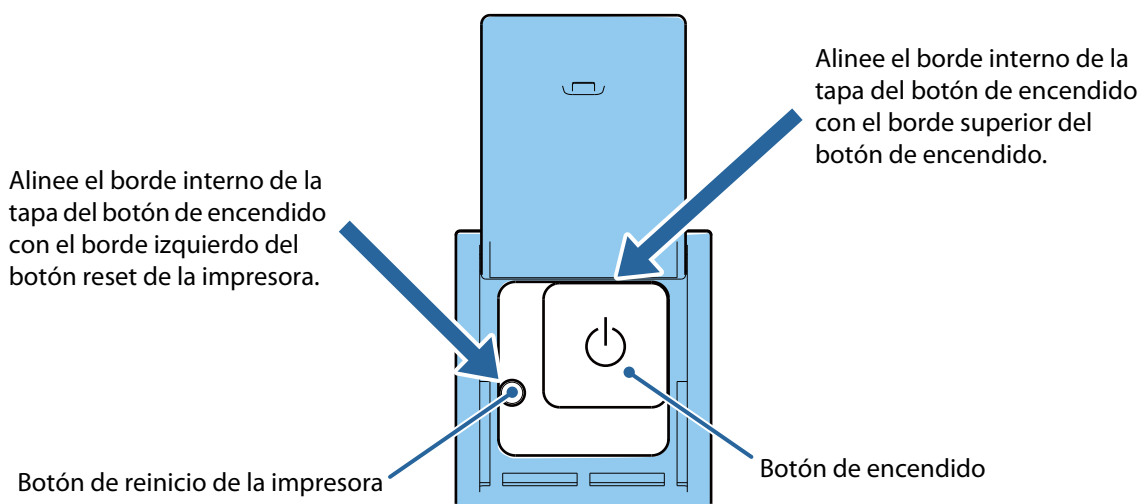
1. Abra la tapa del botón de encendido.



2. Retirar el papel posterior.



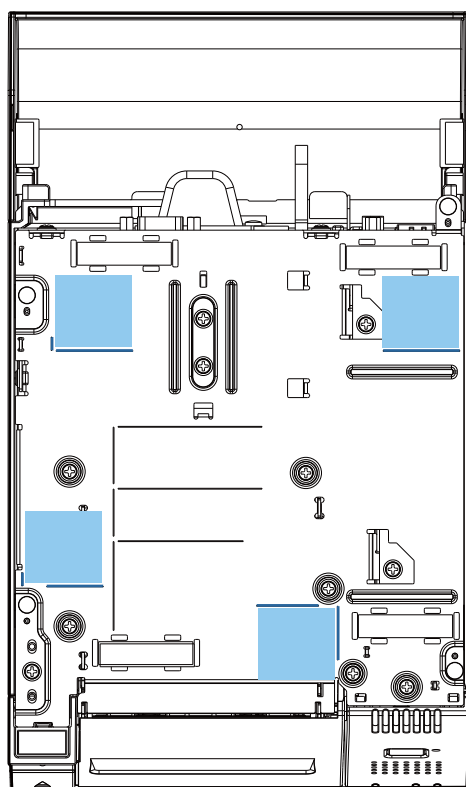
3. Coloque la tapa del botón de encendido como se muestra en la ilustración.



Fijación del producto

La cinta adhesiva opcional (modelo: DF-10) permite fijar el producto en la superficie de instalación. Siga estos pasos para utilizar la cinta adhesiva.

1. De vuelta el producto para ver el fondo.
2. Con dos trozos de cinta adhesiva combinada, retire el papel de la parte posterior de un lado de los trozos y péguelo en una de las posiciones indicadas en la parte inferior del producto.
3. Efectúe la misma operación pegando otros tres trozos de cinta en las posiciones especificadas.
4. Retire el papel posterior de cada trozo del lado opuesto de la cinta adhesiva, vuelva a dar vuelta el producto sobre la parte inferior y colóquelo y fíjelo bien sobre la superficie de instalación.



— Líneas de colocación

Operaciones básicas

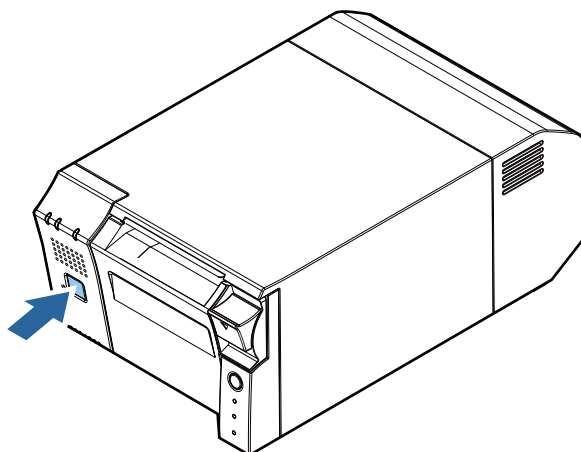
Apagado y encendido



PRECAUCIÓN:

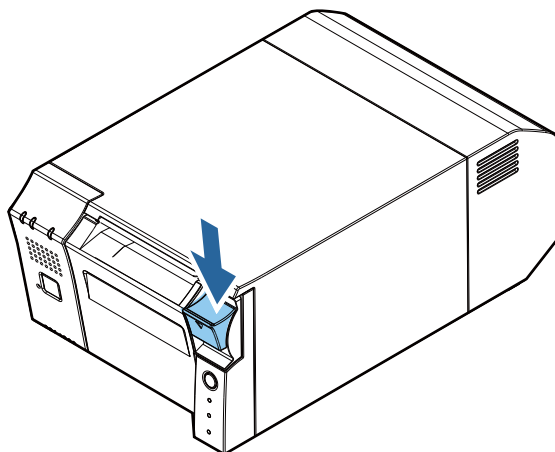
- ❑ Si apaga el producto, espere más de 10 segundos antes de volverlo a encender.
- ❑ Cuando el producto está apagado o en modo de espera, no mantenga pulsado el botón de encendido durante más de 4 segundos.

Pulse el botón de encendido para encender o apagar el producto.



Apertura de la tapa del rollo de papel

Pulse la palanca de apertura de la tapa para abrir la tapa del rollo de papel.



Controlar el volumen del altavoz

Puede controlar el volumen del altavoz con el control de volumen del altavoz del sistema operativo del ordenador.

Terminación forzada



PRECAUCIÓN:

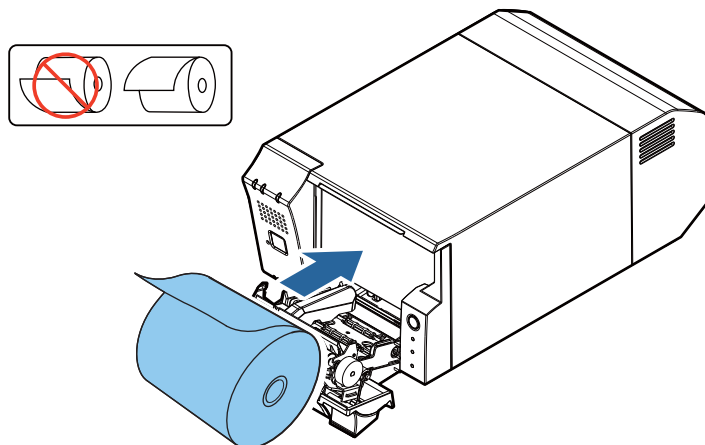
Cuando se realiza la terminación forzada, se pierden todos los datos no guardados y puede ser necesario recuperar el sistema operativo.

Si no puede apagar el producto usando las aplicaciones o el sistema operativo, en última instancia, puede efectuar la terminación forzada manteniendo pulsado el botón de encendido durante aproximadamente 4 segundos.

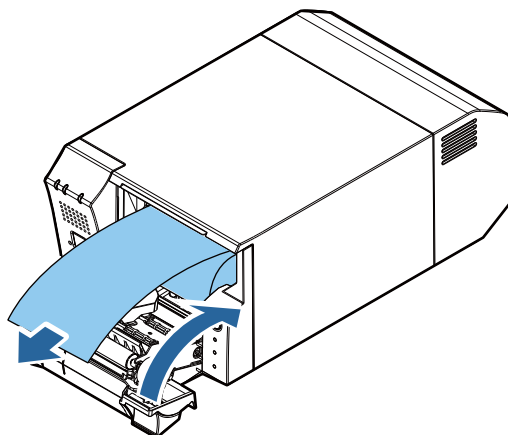
Colocación/Sustitución del rollo de papel

Proceda tal y como se indica a continuación para colocar o sustituir el rollo de papel.

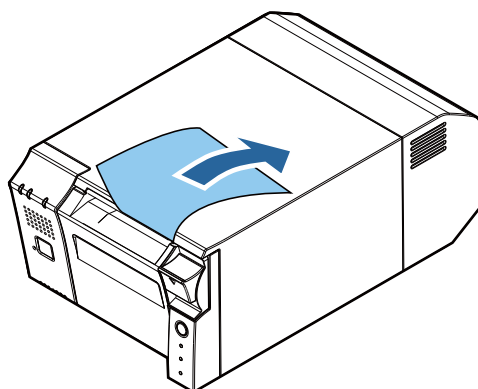
1. Abra la tapa del rollo de papel. (☞ [“Apertura de la tapa del rollo de papel” en la página 14](#))
2. Extraiga el núcleo del rollo de papel usado, si procede.
3. Inserte el rollo de papel en la dirección correcta.



4. Extraiga un poco de papel y cierre la tapa del rollo de papel.



5. Corte el papel.



Limpieza

Limpieza de la carcasa del producto

Compruebe que ha apagado el producto y limpie la suciedad de la carcasa con un paño seco o húmedo. En caso de suciedad persistente, pase un trapo ligeramente humedecido con detergente neutro suave.



PRECAUCIÓN:

No limpie nunca el producto con alcohol, bencina, diluyentes u otros disolventes. Si lo hace puede dañar o romper las piezas de plástico y caucho.

Limpieza del cabezal térmico

Para conservar la calidad de impresión, Epson recomienda limpiar periódicamente el cabezal térmico (normalmente cada 3 meses) tal y como se indica a continuación.

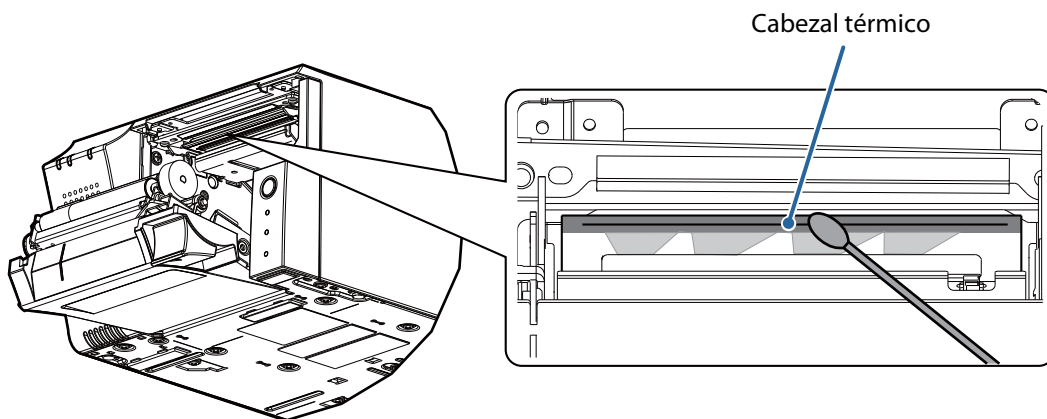


PRECAUCIÓN:

❑ El cabezal de térmico puede alcanzar una temperatura muy elevada después de la impresión. Procure no tocarlo y déjelo enfriar antes de limpiarlo.

❑ No dañe el cabezal térmico tocándolo con los dedos o con algún objeto duro.

1. Apague el producto. (🔌 “Apagado y encendido” en la página 14)
2. Abra la tapa del rollo de papel. (🔌 “Apertura de la tapa del rollo de papel” en la página 14)
3. Limpie los elementos térmicos del cabezal térmico con un bastoncillo de algodón humedecido en una solución alcohólica (etanol o alcohol isopropílico).



Resolución de problemas

El indicador de ① (Alimentación) no se enciende

Compruebe si el adaptador de CA está correctamente conectado. (🔗 ["Conexión del adaptador de CA" en la página 9](#))

El indicador de Error (Error) está encendido

- ❑ Compruebe que la tapa del rollo de papel esté correctamente cerrada.
- ❑ Si el indicador de **Paper** (Papel) está encendido, compruebe que el rollo de papel esté correctamente instalado y de que aún quede papel en el rollo. (🔗 ["Colocación/Sustitución del rollo de papel" en la página 16](#))

El indicador de Error (Error) parpadea

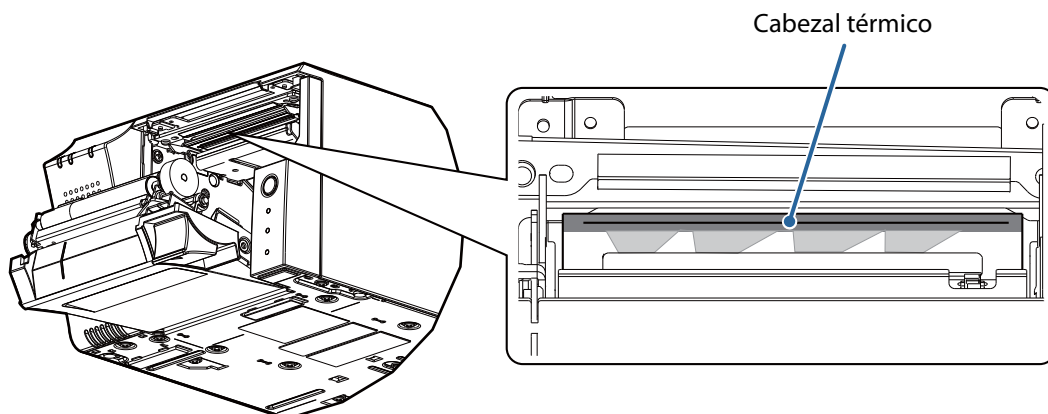
- ❑ Compruebe si hay algún atasco de papel. Si hay algún atasco, elimínelo. (🔗 ["El papel se ha atascado" en la página 18](#))
- ❑ La impresión se detiene si el cabezal se recalienta y se reanuda automáticamente cuando este se enfría.
- ❑ En otros casos, apague el aparato y vuélvala a encender después de 10 segundos.

El papel se ha atascado



PRECAUCIÓN:

No toque el cabezal térmico ya que puede alcanzar una temperatura muy elevada después de la impresión.



Cuando se produzca un atasco de papel, nunca saque el papel forzándolo. Abra la tapa del rollo de papel (🔗 ["Apertura de la tapa del rollo de papel" en la página 14](#)) y retire el papel atascado.

Especificaciones

Elemento		Especificaciones
CPU		Intel® Atom™ D2550 (1 MB de caché, 1,86 GHz)
Memoria principal		4 GB DDR3, ranura SO-DIMM
Almacenamiento de seguridad		SATA SSD* ¹
Interfaz	Ethernet	10BASE-T/100BASE-TX/1000BASE-T
	USB (× 6)	USB 2.0 Alimentación: 5 V CC, 500 mA (máximo: 1A/100ms)
	Serie	D-sub de 9 patillas macho
	VGA	D-sub de 15 patillas hembra
	DisplayPort	DP1.1 hembra (16,1 mm × 4,76 mm)
	Drawer kick	RJ12 de 6 patillas Alimentación: 24 V CC, 1 A
	Salida de línea	Minijack φ 3,5 mm
Batería de seguridad RTC/CMOS		Batería de litio para copia de seguridad RTC
Función de sonido		Altavoz monofónico integrado
Método de impresión		Impresión térmica de líneas
Velocidad de impresión		250 mm/s
Rollo de papel	Anchura del papel	79,5 mm ± 0,5 mm (3,13" ± 0,02")
	Diámetro	83 mm (3,27") en el punto máximo
	Núcleo del rollo de papel	Diámetro interno: 12 mm (0,47") Diámetro externo: 18 mm (0,71")
Software	Sistema operativo	Windows Embedded POSReady7
	Programa de control del dispositivo	Dispositivo ePOS
Alimentación		Adaptador de CA específico (AC adapter, T [modelo: M284A]) 24 V CC, 4,2 A
Adaptador de CA específico		AC adapter, T (modelo: M284A) Entrada: CA 100 V a CA 240 V, 50 Hz a 60 Hz, 2,4 A Salida: 24 V CC, 4,2 A
Consumo de CA	Funcionamiento* ²	62,4 W
	Tiempo de espera	14,9 W
	Apagado	1,4 W
Temperatura	Funcionamiento	5 a 40°C (41 a 104°F)
	Almacenamiento	-10 a 50 °C (14 a 122 °F)
Humedad	Funcionamiento	10 a 90 % (sin condensación)
	Almacenamiento	10 a 90 % (sin condensación)
Dimensiones generales (incluida tapa del conector)		An × D × H: 172 mm × 290 mm × 114 mm (6,77" × 11,42" × 4,49")
Peso (sin rollo de papel)		Aprox. 2,8 kg (6,17 lb)

*1: La capacidad difiere en cada modelo.

*2: Basado en las condiciones de funcionamiento de Epson.

Apéndice

Restricciones de uso

Cuando este producto se use en aplicaciones que requieran alta fiabilidad/seguridad tales como dispositivos de transporte relacionados con la aviación, los ferrocarriles, la marina, el sector automotor, etc.; dispositivos de prevención de desastres; dispositivos varios de seguridad, etc.; o dispositivos funcionales/de precisión, etc., deberá utilizar el producto únicamente después de evaluar la incorporación de protecciones contra fallos y redundancias en su diseño para mantener la seguridad y la fiabilidad total del sistema. Puesto que este producto no ha sido diseñado para su uso en aplicaciones que requieran una fiabilidad/seguridad sumamente elevadas tales como equipos aeroespaciales, equipos principales de comunicación, equipos de control en plantas nucleares o equipos médicos de tratamientos médicos directos, etc., usted deberá decidir si es adecuado después de realizar una evaluación completa.

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AVISO: El contenido de este manual está sujeto a cambios sin previo aviso.

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- 1) Esta impresora incluye los programas de código abierto citados en la Sección 5) de acuerdo con las condiciones de licencia de cada uno de los citados programas.
- 2) Proporcionamos el código fuente de los programas GPL y los programas LGPL hasta cinco (5) años después de que se interrumpa la fabricación del mismo modelo de impresora. Si desea recibir el citado código fuente, póngase en contacto con el servicio de asistencia al cliente correspondiente a su región. Deberá cumplir las condiciones de la licencia de cada programa de software de código abierto.
- 3) Los programas de software de código abierto no incluyen NINGUNA GARANTÍA; ni siquiera la garantía implícita de COMERCIALIZABILIDAD NI IDONEIDAD PARA UN USO ESPECÍFICO. Para más información, consulte los contratos de licencia de cada uno de los programas de software de código abierto.
- 4) Kit de herramientas OpenSSL
Esta impresora incluye software desarrollado por el proyecto OpenSSL para su uso con el kit de herramientas de OpenSSL (<http://www.openssl.org/>).
Este producto incluye el software criptográfico desarrollado por Eric Young (eay@cryptsoft.com).
- 5) La lista de los programas de software de código abierto que incluye esta impresora y todos los contratos de licencias en su totalidad de cada licencia pueden consultarse en la siguiente URL.
<http://xxx.xxx.xxx.xxx/licenses/>

* En la parte subrayada de la URL anterior, indique la dirección IP de cada impresora.

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT SOFTWARE LICENSE TERMS FOR: Windows Embedded POSReady7

These license terms are an agreement between you and SEIKO EPSON CORPORATION. Please read them. They apply to the software included on this device. The software also includes any separate media on which you received the software.

The software on this device includes software licensed from Microsoft Corporation or its affiliate.

The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

If you obtain updates or supplements directly from Microsoft, then Microsoft, and not SEIKO EPSON CORPORATION, licenses those to you.

As described below, using the software also operates as your consent to the transmission of certain computer information for Internet-based services.

By using the software, you accept these terms. If you do not accept them, do not use the software. Instead, contact SEIKO EPSON CORPORATION to determine its return policy for a refund or credit.

If you comply with these license terms, you have the rights below.

1. USE RIGHTS

Use. The software license is permanently assigned to the device (physical hardware system) with which you acquired the software. You may only use the software on that device.

2. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS

a. Specific Use. You may use the software with a point of service "POS" application.

A POS System means an Embedded System that performs functions substantially similar to that of a point of sale, kiosk (informational or transactional), digital signage, or similar types of devices; and is designed for use solely with a POS Application.

A POS application is a software application which provides any of the following functions;

- process sales and service transactions
- scan and track inventory
- record or transmit customer information
- perform related management functions
- provide information directly and indirectly to customers about available products and services

b. Other Software. You may use other programs with the software as long as the other programs

- directly supports the manufacturer's specific use for the device, or
- provide system utilities, resource management, or anti-virus or similar protection.
- Software that provides consumer or business tasks or processes may not be run on the device. This includes email, word processing, spreadsheet, database, scheduling and personal finance software. The device may use terminal services protocols to access such software running on a server.

c. Storage/Network Use. You may also store or install one (1) copy of the software on a storage device, such as network server, used only to install or run the software on your other POS Systems over an internal network; however, you must acquire and dedicate an additional license for each separate POS System on or from which the software is installed, used, accessed, displayed or run. Except as otherwise permitted by Remote Assistance features described above, a license for the software may not be shared or used concurrently on different POS Systems.

d. Device Connections. You may use terminal services protocols to connect the device to a server running business task or processes software such as email, word processing, scheduling or spreadsheets.

You may permit a maximum of twenty (20) computers or other electronic devices (each a "Device") to connect via Server Message Bloc (SMB) to the POS System to utilize one or more of the following services of the software: File Services, Print Services, Internet Information Services, Internet Connection Sharing and telephony services. The twenty connection maximum includes any indirect connections made through "multiplexing" or other software or hardware which pools or aggregates connections. Unlimited inbound connections are allowed via TCP/IP (Transmission Control Protocol ("TCP") and the Internet Protocol ("IP").

e. Remote Desktop/Remote Assistance. The software may contain Remote Assistance and Remote Desktop technologies that enable the software or other applications installed on the POS System to be used remotely between two or more computing devices, even if the software or application is installed on only one POS System. You may use Remote Assistance and Remote Desktop with all Microsoft products; provided however, use of these technologies with certain Microsoft products may require an additional license. For both

Microsoft products and non-Microsoft products you should consult the license agreement accompanying the applicable product or contact the applicable licensor to determine whether use of Remote Assistance or Remote Desktop is permitted without an additional license.

- f. **Font Components.** While the software is running, you may use its fonts to display and print content. You may only
 - embed fonts in content as permitted by the embedding restrictions in the fonts; and
 - temporarily download them to a printer or other output device to print content.
- g. **Icons, images and sounds.** While the software is running, you may use but not share its icons, images, sounds, and media.
- h. **VHD BOOT.** Additional copies of the software created using the software's Virtual Hard Disk functionality ("VHD Image") may be pre-installed on the physical hard disk of the device. These VHD Images may only be used for maintaining or updating the software installed on the physical hard disk or drive. If the VHD Image is the only software on your device, it may be used as the primary operating system but all other copies of the VHD Image may only be used for maintenance and updating.
- i. **Multiplexing.** Hardware or software you use to
 - pool connections,
 - reroute information, or
 - reduce the number of devices or users that directly access or use the software (sometimes referred to as "multiplexing" or "pooling"), does not reduce the number of licenses of any type that you need.

3. INTERNET-BASED SERVICES. Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

- a. **Consent for Internet-Based Services.** The software features described below connect to Microsoft or service provider computer systems over the Internet. In some cases, you will not receive a separate notice when they connect. You may switch off these features or not use them. For more information about these features, see <http://windows.microsoft.com/en-US/windows7/windows-7-privacy-statement-highlights>. **By using these features, you consent to the transmission of this information.** Microsoft does not use the information to identify or contact you.

Computer Information. The following features use Internet protocols, which send to the appropriate systems computer information, such as your Internet protocol address, the type of operating system, browser and name and version of the software you are using, and the language code of the device where you installed the software. Microsoft uses this information to make the Internet-based services available to you.

- Auto Root Update. The Auto Root Update feature updates the list of trusted certificate authorities. You can switch off the Auto Root Update feature.
- Digital Certificates. The software uses digital certificates. These digital certificates confirm the identity of Internet users sending X.509 standard encrypted information. They also can be used to digitally sign files and macros to verify the integrity and origin of the file contents. The software retrieves certificates and updates certificate revocation lists using the Internet, when available.
- IPv6 Network Address Translation (NAT) Traversal service (Teredo). This feature helps existing home Internet gateway devices transition to IPv6. IPv6 is next generation Internet protocol. It helps enable end-to-end connectivity often needed by peer-to-peer applications. To do so, each time you start up the software the Teredo client service will attempt to locate a public Teredo Internet service. It does so by sending a query over the Internet. This query only transfers standard Domain Name Service information to determine if your computer is connected to the Internet and can locate a public Teredo service. If you
 - use an application that needs IPv6 connectivity or
 - configure your firewall to always enable IPv6 connectivity
 by default standard Internet Protocol information will be sent to the Teredo service at Microsoft at regular intervals. No other information is sent to Microsoft. You can change this default to use non-Microsoft servers. You can also switch off this feature using a command line utility named "netsh."
- Information Rights Management. The software contains a feature that allows you to create content that cannot be printed, copied or sent to others without your permission. You may need to connect to Microsoft to use this feature for the first time. Once a year, you may need to re-connect to Microsoft to update it. For more information, go to www.office.microsoft.com/en-us/assistance/HA010397891033.aspx. You may choose not to use this feature.
- Windows Media Digital Rights Management. Content owners use Windows Media digital rights management technology (WMDRM) to protect their intellectual property, including copyrights. This software and third party software use WMDRM to play and copy WMDRM-protected content. If the software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect other content. When you download licenses for protected content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their content. Microsoft software that includes WMDRM will ask for your consent prior to the upgrade. If you decline an upgrade, you will not be able to access content that requires the upgrade. You may switch off WMDRM features that access the Internet. When these features are off, you can still play content for which you have a valid license.

- **Windows Media Player.** When you use Windows Media Player, it checks with Microsoft for
 - compatible online music services in your region;
 - new versions of the player; and
 - codecs if your computer does not have the correct ones for playing content.

You can switch off this last feature. For more information, go to go.microsoft.com/fwlink/?LinkId=51331.

- **Windows (or Microsoft) Update Feature. Windows Update Feature.** This is an optional feature that you can enable by selecting the "Opt In" dialogue box. Once enabled, this feature automatically connects to Microsoft or service provider computer systems over the internet to provide updates from Microsoft to your software and Runtime. In some cases, you will not receive a separate notice when they connect. Standard information about your computer is sent each time the feature connects. Standard computer information may include your Internet Protocol address, the type of operating system, browser and name and version of the software you are using and the language code of the device where you installed the software. Microsoft uses this information to make the Internet based service available to you. You may switch off this feature or not use it. **By using this feature, you consent to the transmission of this information.** Microsoft does not use the information to identify or contact you.

- 4. BENCHMARK TESTING.** You must obtain Microsoft's prior written approval to disclose to a third party the results of any benchmark test of the software. However, this does not apply to the Microsoft .NET Framework (see below).
- 5. MICROSOFT .NET FRAMEWORK BENCHMARK TESTING.** The software includes one or more components of the .NET Framework (" .NET Components"). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at go.microsoft.com/fwlink/?LinkId=66406. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at go.microsoft.com/fwlink/?LinkId=66406.
- 6. SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. For more information, see www.microsoft.com/licensing/userights. You may not
 - work around any technical limitations in the software;
 - reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
 - make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;
 - publish the software for others to copy;
 - rent, lease or lend the software; or
 - use the software for commercial software hosting services.
- 7. BACKUP COPY.** You may make one backup copy of the software. You may use it only to reinstall the software.
- 8. DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.
- 9. NOTICE ABOUT THE H.264/AVC VISUAL STANDARD, THE VC-1 VIDEO STANDARD, THE MPEG-4 VISUAL STANDARD AND THE MPEG-2 VIDEO STANDARD.** This software includes H.264/AVC, VC-1, MPEG-4 Part 2, and MPEG-2 visual compression technology. MPEG LA, L.L.C. requires this notice:
THIS PRODUCT IS LICENSED UNDER THE AVC, THE VC-1, THE MPEG-4 PART 2 VISUAL, AND THE MPEG-2 VIDEO PATENT PORTFOLIO LICENSES FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO DECODE AVC, VC-1, MPEG-4 PART 2 AND MPEG-2 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE SUCH VIDEO. NONE OF THE LICENSES EXTEND TO ANY OTHER PRODUCT REGARDLESS OF WHETHER SUCH PRODUCT IS INCLUDED WITH THIS PRODUCT IN A SINGLE ARTICLE. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE WWW.MPEGLA.COM.
- 10. PRODUCT SUPPORT.** Contact SEIKO EPSON CORPORATION for support options. Refer to the support number provided with the device.
- 11. PROOF OF LICENSE.** If you acquired the software on the device, or on a disc or other media, a genuine Certificate of Authenticity label with a genuine copy of the software identifies licensed software. To be valid, this label must be affixed to the device, or included on or in SEIKO EPSON CORPORATION's software packaging. If you receive the label separately, it is not valid. You should keep the label on the device or packaging to prove that you are licensed to use the software. To identify genuine Microsoft software, see <http://www.howtotell.com>.
- 12. TRANSFER TO A THIRD PARTY.** You may transfer the software only with the device, the Certificate of Authenticity label, and these license terms directly to a third party. Before the transfer, that party must agree that these license terms apply to the transfer and use of the software. You may not retain any copies of the software including the backup copy.

- 13. NOT FAULT TOLERANT.** The software is not fault tolerant. SEIKO EPSON CORPORATION installed the software on the device and is responsible for how it operates on the device.
- 14. NO WARRANTIES FOR THE SOFTWARE.** The software is provided "as is." You bear all risks of using it. Microsoft gives no express warranties, guarantees or conditions. Any warranties you receive regarding the device or the software do not originate from, and are not binding on, Microsoft or its affiliates. When allowed by your local laws, SEIKO EPSON CORPORATION and Microsoft exclude implied warranties of merchantability, fitness for a particular purpose and non-infringement.
- 15. LIABILITY LIMITATIONS.** You can recover from Microsoft and its affiliates only direct damages up to two hundred fifty U.S. Dollars (U.S. \$250.00). You cannot recover any other damages, including consequential, lost profits, special, indirect or incidental damages.
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 - claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.
- It also applies even if Microsoft should have been aware of the possibility of the damages. The above limitation may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.
- 16. EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.
- 17. ENTIRE AGREEMENT.** This agreement, additional terms (including any printed-paper license terms that accompany the software and may modify or replace some or all of these terms), and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.
- 18. APPLICABLE LAW**
- a. United States.** If you acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where you live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.
 - b. Outside the United States.** If you acquired the software in any other country, the laws of that country apply.

MICROSOFT SOFTWARE LICENSE TERMS FOR: Windows® Embedded POSReady 2009

These license terms are an agreement between you and SEIKO EPSON CORPORATION. Please read them. They apply to the software included on this device. The software also includes any separate media on which you received the software.

The software on this device includes software licensed from Microsoft Corporation or its affiliate.

The terms also apply to any Microsoft

- Updates,
- Supplements,
- Internet-based services, and
- Support services

for this software, unless other terms accompany those items. If so, those terms apply. If you obtain updates or supplements directly from Microsoft, then Microsoft, and not SEIKO EPSON CORPORATION, licenses those to you.

As described below, using some features also operates as your consent to the transmission of certain standard computer information for Internet-based services.

By using the software, you accept these terms. If you do not accept them, do not use or copy the software. Instead, contact SEIKO EPSON CORPORATION to determine its return policy for a refund or credit.

If you comply with these license terms, you have the rights below.

1. Use Rights

You may use the software on the device with which you acquired the software.

2. Additional Licensing Requirements and/or Use Rights

- a. Specific Use. SEIKO EPSON CORPORATION designed this device for a Point Of Sale Application. You may only use the software for that use.

“POS Application” means a software application which provides only the following functions to:

- i. process sales and service transactions, scan and track inventory, record and/or transmit customer information, and perform related management functions; and/or
- ii. provide information directly and indirectly to customers about products and services available.

- b. Other Software. You may use other programs with the software as long as the other programs

- i. directly support the manufacturer’s specific use for the device, or
- ii. provide system utilities, resource management, or anti-virus or similar protection.

Software that provides consumer or business tasks or processes may not be run on the device. This includes email, word processing, spreadsheet, database, networking/internet browsing, scheduling and personal finance software. The device may use terminal services protocols to access such software running on a server.

- c. WIN PE Component. You may use the Microsoft® Windows® Pre-installation Environment component (“WinPE Component”) only for your internal use and solely for purposes of installing the Software on point of service device. During installation you may use the WinPE component and the set-up components included in the Software to modify the Software to do the following:

- i. install device drivers for known device classes that are not supported by the WinPE Component and/or the set-up components included in the Software; and
- ii. add unattended.xml and/or driverinstall.xml files to the setup folder of the Software and the files referred to in unattended.xml and/or driverinstall.xml files to enable unattended mode set up of the Software.

- d. Device Connections

- i. You may use terminal services protocols to connect the device to another device running business task or processes software such as email, word processing, scheduling or spreadsheets.
- ii. You may allow up to 10 other devices to access the software to use
 - File Services,
 - Print Services,
 - Internet Information Services, and
 - Remote access (including connection sharing).

The 10 connection limit applies to devices that access the software indirectly through “multiplexing” or other software or hardware that pools connections. You may use unlimited inbound connections at any time via TCP/IP.

- e. FBReseal

- i. This Product includes tools known as FBReseal.
- ii. Enterprise Customers are permitted to use FBReseal on the Image provided by SEIKO EPSON CORPORATION or on the Embedded Application and to replicate the Image to match the number of runtime licenses purchased by that Enterprise Customer. The Image created by FBReseal may only be installed onto Embedded Systems that already bear the COA for that Licensed Product.

- 3. Scope of License.** The software is licensed, not sold. This agreement only gives you some rights to use the software. SEIKO EPSON CORPORATION and Microsoft reserve all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that allow you to use it only in certain ways. For more information, see the software documentation or contact SEIKO EPSON CORPORATION. Except and only to the extent permitted by applicable law despite these limitations, you may not:

- Work around any technical limitations in the software;
- Reverse engineer, decompile or disassemble the software;
- Make more copies of the software than specified in this agreement;
- Publish the software for others to copy;
- Rent, lease or lend the software; or
- Use the software for commercial software hosting services.

Except as expressly provided in this agreement, rights to access the software on this device do not give you any right to implement Microsoft patents or other Microsoft intellectual property in software or devices that access this device.

You may use remote access technologies in the software such as Remote Desktop to access the software remotely from another device. You are responsible for obtaining any licenses required for use of these protocols to access other software.

- a. **Remote Boot Feature.** If SEIKO EPSON CORPORATION enabled the device Remote Boot feature of the software, you may
- use the Remote Boot Installation Service (RBIS) tool only to install one copy of the software on your server and to deploy the software on licensed devices as part of the Remote Boot process; and
 - use the Remote Boot Installation Service only for deployment of the software to devices as part of the Remote Boot process; and
 - download the software to licensed devices and use it on them.

For more information, please refer to the device documentation or contact SEIKO EPSON CORPORATION.

- b. **Internet-Based Services.** Microsoft provides Internet-based services with the software. Microsoft may change or cancel them at any time.
- i. **Consent for Internet-Based Services.** The software features described below connect to Microsoft or service provider computer systems over the Internet. In some cases, you will not receive a separate notice when they connect. You may switch off these features or not use them. For more information about these features, visit <http://www.microsoft.com/windowsxp/downloads/updates/sp2/docs/privacy.mspx>.
By using these features, you consent to the transmission of this information. Microsoft does not use the information to identify or contact you.
- ii. **Computer Information.** The following features use Internet protocols, which send to the appropriate systems computer information, such as your Internet protocol address, the type of operating system, browser and name and version of the software you are using, and the language code of the device where you installed the software. Microsoft uses this information to make the Internet-based services available to you.
- (1) **Windows Update Feature.** You may connect new hardware to the device where you installed the software. Your device may not have the drivers needed to communicate with that hardware. If so, the update feature of the software can obtain the correct driver from Microsoft and install it on your device. You can switch off this update feature.
 - (2) **Web Content Features.** Features in the software can retrieve related content from Microsoft and provide it to you. To provide the content, these features send to Microsoft the type of operating system, name and version of the software you are using, type of browser and language code of the device where the software was installed. Examples of these features are clip art, templates, online training, online assistance and Appshelp. These features only operate when you activate them. You may choose to switch them off or not use them.
 - (3) **Digital Certificates.** The software uses digital certificates. These digital certificates confirm the identity of Internet users sending X.509 standard encrypted information. The software retrieves certificates and updates certificate revocation lists. These security features operate only when you use the Internet.
 - (4) **Auto Root Update.** The Auto Root Update feature updates the list of trusted certificate authorities. You can switch off the Auto Root Update feature.
 - (5) **Windows Media Player.** When you use Windows Media Player, it checks with Microsoft for
 - compatible online music services in your region;
 - new versions of the player; and
 - codecs if your device does not have the correct ones for playing content.

You can switch off this feature. For more information, go to <http://microsoft.com/windows/windowsmedia/mp10/privacy.aspx>.

- (6) **Windows Media Digital Rights Management.** Content owners use Windows Media digital rights management technology (WMDRM) to protect their intellectual property, including copyrights. This software and third party software use WMDRM to play and copy WMDRM-protected content. If the software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect other content. When you download licenses for protected content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their content. Microsoft software that includes WMDRM will ask for your consent prior to the upgrade. If you decline an upgrade, you will not be able to access content that requires the upgrade. You may switch off WMDRM features that access the Internet. When these features are off, you can still play content for which you have a valid license.
- iii. **Misuse of Internet-based Services.** You may not use these services in any way that could harm them or impair anyone else's use of them. You may not use the services to try to gain unauthorized access to any service, data, account or network by any means.
4. **Windows Update Agent (also known as Software Update Services).** The software on the device includes Windows Update Agent ("WUA") functionality that may enable your device to connect to and access updates ("Windows Updates") from a server installed with the required server component. Without limiting any other disclaimer in this Microsoft Software License Terms or any EULA accompanying a Windows Update, you acknowledge and agree that no warranty is provided by MS, Microsoft Corporation or their affiliates with respect to any Windows Update that you install or attempt to install on your device.
5. **Product Support.** Contact SEIKO EPSON CORPORATION for support options. Refer to the support number provided with the device.
6. **Backup Copy.** You may make one backup copy of the software. You may use it only to reinstall the software on the device.
7. **Proof of License.** If you acquired the software on the device, or on a disc or other media, a genuine Certificate of Authenticity label with a genuine copy of the software identifies licensed software. To be valid, this label must be affixed to the device, or included on or in SEIKO EPSON CORPORATION's software packaging. If you receive the label separately, it is not valid. You should keep the label on the device or packaging to prove that you are licensed to use the software. To identify genuine Microsoft software, see <http://www.howtotell.com>.
8. **Transfer to a Third Party**
You may transfer the software only with the device, the Certificate of Authenticity label, and these license terms directly to a third party. Before the transfer, that party must agree that these license terms apply to the transfer and use of the software. You may not retain any copies of the software including the backup copy.
9. **Not Fault Tolerant. The software is not fault tolerant. SEIKO EPSON CORPORATION installed the software on the device and is responsible for how it operates on the device.**
10. **Restricted Use**
The Microsoft software was designed for systems that do not require fail-safe performance. You may not use the Microsoft software in any device or system in which a malfunction of the software would result in foreseeable risk of injury or death to any person. This includes operation of nuclear facilities, aircraft navigation or communication systems and air traffic control.
11. **No Warranties for the Software**
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