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USER MANUAL

Elo Touch Solutions Elo[®] PayPoint for Windows

UM600039 Rev B

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Chapter 1: Product Overview

Product Description

The Elo PayPoint for Windows register is an all-in-one Windows based cash register that comes equipped with built-in receipt printer, magnetic stripe reader, barcode reader, cash drawer, and customer facing display. In addition to its built-in peripherals, the system has three USB ports and an RJ45 serial port that allows for third party peripherals and connectivity.

Chapter 2: Register Operation

Elo PayPoint for Windows Register Layout

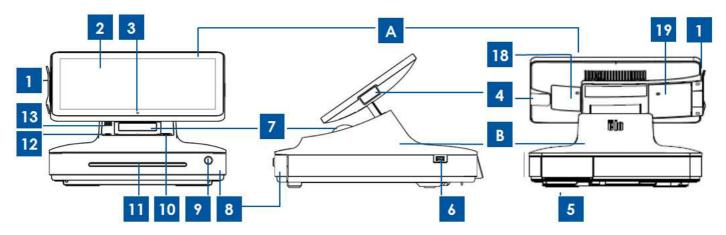


Figure 1. Elo PayPoint for Windows Register front view (left), cashier right side view (middle), and back view (right)

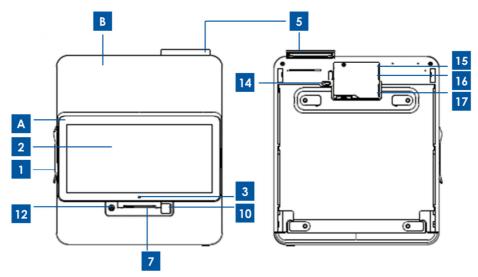


Figure 2. Elo PayPoint for Windows Register top view (left) and bottom view (right)

A. Register Display Head					
1	Magnetic Swipe Reader (MSR)	3	Camera		
2	Touchscreen		Barcode scanner		
	B. Register Base				
5	Customer Facing Display	12	Power button		
6	Side USB port	13	Speakers (built-in)		
7	Receipt printer	14	Cash drawer manual release latch		
8	Cash drawer	15	USB 2.0 port + RJ45		
9	Cash drawer lock*	16	USB 2.0 + Ethernet port		

10	Printer head release button	17	Power Port
11	Check compartment slot	18	Access door for RAM Access
-	-	19	Access door for HDD/SSD Access

^{*}The Elo PayPoint Register comes with a set of two keys for easy locking/unlocking.

A. Register Display Head

The Elo PayPoint for Windows Register display head can be flipped to allow customers to complete purchase transactions by self-swiping payment cards, and to authorize transactions by signing directly onto the touchscreen.

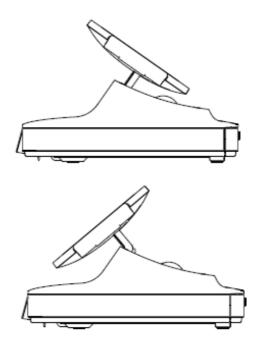


Figure 3. Elo PayPoint for Windows display head can be flipped and supports two configurations: Elo PayPoint for Windows Register cashier-facing view (top) and customer-facing view (bottom)

1. Magnetic Stripe Reader (MSR)

The register has a built in encryptable magnetic stripe reader. It is the responsibility of the software provider to encrypt the MSR.

When the register is in merchant view, the MSR will be on the left of the register display head. When register is in customer view, the MSR will be on the right of the register display head.

2. Touchscreen

The Elo PayPoint for Windows Register is equipped with a 10-touch touchscreen.

3. Camera

Located on the register display head is a 2-megapixel front-facing camera, which you can use to take pictures and to capture 2-D barcodes.

4. Barcode scanner

The register has a built in barcode scanner that scans 1-D barcodes. When the register is in cashier view, the barcode scanner will be on the right of the register display head.

5. Customer-facing display

The register base is equipped with a customer-facing display. As a cashier rings up customer orders, the customer facing display will display each order.

6. Side USB port

This USB port can be used to charge your mobile device or to connect additional POS peripherals (e.g. handheld 2D barcode scanner). This port will support USB 3.0 power output.

7. Receipt printer (built-in)

The register is equipped with a built-in receipt printer that is located on the register base.

8. Cash drawer

The register is equipped with a cash drawer for storing cash, coins, and checks.

9. Cash drawer lock

Use the key that comes with the Elo PayPoint for Windows Register to lock / unlock the cash register. When cash drawer is locked, cash drawer will not open even when it is commanded to.

10. Printer head release button

Press this release button to release the printer head cover. For more information on how to change printer paper on the register, refer to the "Printer Maintenance" section of Chapter 8.

11. Check compartment slot

The cash drawer is designed with a slot for slipping checks into the cash drawer.

12. Power button

Press the power button to turn on / off the register (set by default). The power button is equipped with an LED that displays:

- Solid White light when the register is on.
- Solid red light when the register is off but plugged in to the wall.
- No light when the register is off and not plugged in to the wall.

13. Speaker (built-in)

The register is equipped with a built-in speaker.

14. Cash drawer manual release latch

A latch located on the bottom of the register base can be used to manually open the cash drawer.

15.USB 2.0 + RJ45 port

This USB port can be used to connect additional POS peripherals (NFC, EMV, 2D Barcode Scanner).

This RJ45 serial port can be used to connect additional POS peripherals (printer).

16.USB 2.0 + Ethernet (LAN) port

This USB port can be used to connect additional POS peripherals (NFC, EMV, 2D Barcode Scanner).

This port can be used to connect the register to a network via an Ethernet RJ-45 cable.

17. Power port

To power the register, plug one end of the power cable to the register power port, and the other end to the wall.

18. Memory Access Door

This access door allows for the easy removal and replacement of the memory on the Elo PayPoint for Windows register.

19. Hard Drive Access Door

This access door allows for the easy removal and replacement of the hard drive on the Elo PayPoint for Windows register.

Operating System Setup

The initial setup of the operating system takes approximately 5-10 minutes. Additional time might be needed for different touchcomputer hardware and operating system configurations. You will need to plug in an external mouse and/or keyboard into the touchcomputer connector panel to execute these steps.

To set up the Microsoft® Windows® Operating System, for the touchcomputer, turn on the touchcomputer by pressing the power button, then follow the on-screen instructions.

Changing from Windows 7 64bit OS to 32bit Operating System

When the system is booting up, repeatedly press the *down arrow* "\" key on an attached keyboard in order to access the OS version change.

Once this option has been chosen, follow the on-screen steps to change the OS from 64bit to 32bit.

Note: When installing the 32bit version, all files that were previously installed on the 64 bit version will be deleted.

Injecting a New Language

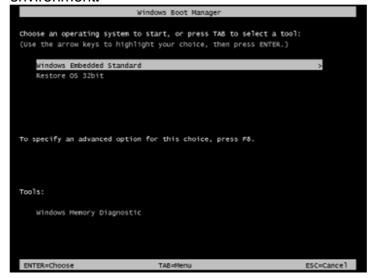
Windows can only run one language at any given time. The Elo Touch Solutions language injection feature can be used to modify your language preference. English is set as the default language, but you can change this language according to your preferences. To use the language injection feature:

- 1. Power off your system completely.
- 2. Power on your system.

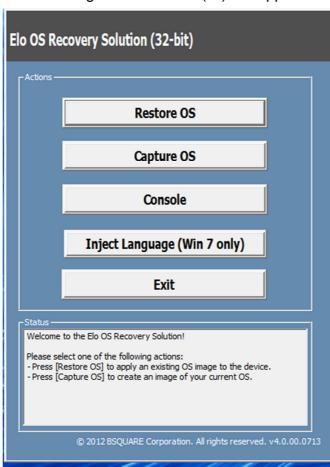
3. After the Elo splash screen (shown below), press "↑" or "↓" repeatedly to pause on Windows Boot Manager.



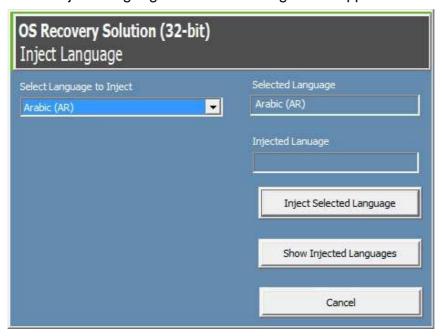
4. Select either **Restore OS 32bit** or **Restore OS 64bit** depending on your OS environment.



5. The following User Interface (UI) will appear:



6. Select Inject Language and the following UI will appear.



- 7. Click the drop-down list and select the preferred language.
- 8. Click Inject Selected Language

9. While the injecting process, **DO NOT** use your keyboard or mouse as this may cause an error in the language injection process.

- 10. After successful installation of the language package, press any key to exit the window.
- **11.** You should see the newly injected language in both "**Selected Language**" and "**Injected Language**".
- **12.** Click **Cancel** → **Exit**. The system will reboot and the new language UI should be presented when the system enters the Desktop.

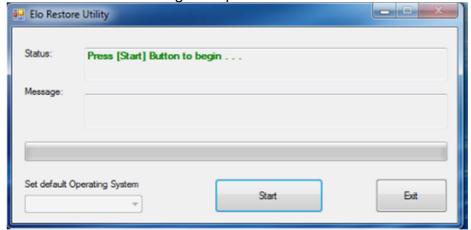
Creating the Recovery Flash Drive

All Windows 7 and Windows 8.1 computers come with the built-in Elo Restore Utility on the Windows Desktop. The utility allows for creation of a recovery flash drive based on the purchased operating system. **Please create your recovery flash drive immediately.** In the event that the HDD/SSD recovery partition accidentally gets deleted or becomes inaccessible, you can use the recovery flash drive to recover your system.

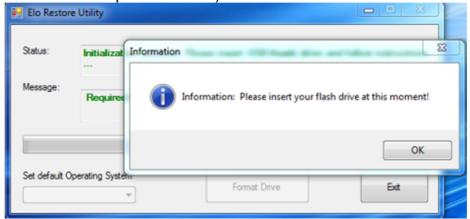
The following procedures demonstrate how to create a recovery flash drive.

1. Right-click on the EloRestoreUtility icon on the Desktop and select "Run as administrator."

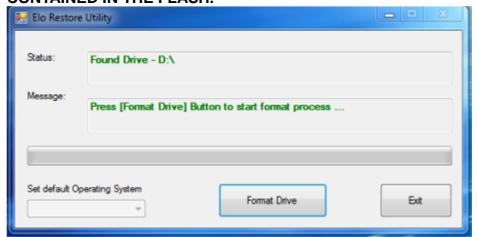
2. Click "Start" button to begin the process.



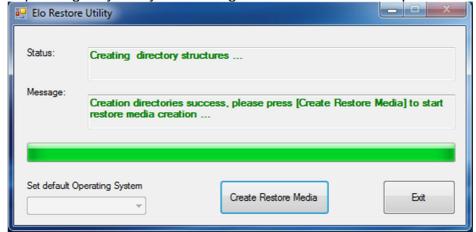
3. Once completed, you will see a pop-up window that will prompt you to insert a blank flash drive to any of available USB ports on your system. (For Windows 7, use a flash drive with at least 64GB of space available. For Windows 8.1, use a flash drive with at least 16 GB of space available)



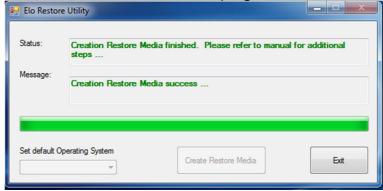
4. After the flash drive is plugged in, you will see the below window. Click "Format Drive" to continue the process. **PLEASE NOTE THAT THIS WILL ERASE ALL DATA CONTAINED IN THE FLASH.**



5. Click "Create Restore Media" to proceed. This step will take about 10-20 minutes, depending on your system configurations and flash drive performance.

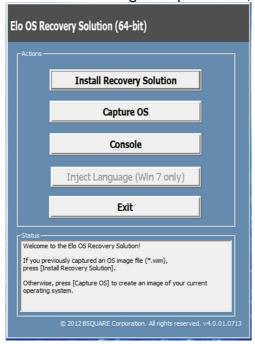


6. Once the message "Creation Restore Media success..." appears, remove the flash drive and click "Exit" to exit the program.



7. In order to use the recovery flash drive in the case of a system crash, reboot the system and press F11 several times to enter **Device Boot Menu**. Subsequently, select to boot from flash drive.

8. When the following UI is presented, click "Install Recovery Solution" button.



9. Follow the on-screen instructions to complete the installation process and then exit the program.

Note: All data will be deleted during the recovery process. User should back up files when necessary. Elo Touch Solutions does not accept liability for lost data or software.

Note: The end user must adhere to Microsoft's Licensing Agreement

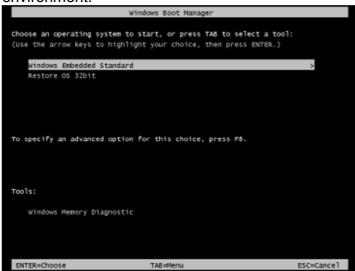
Recovering the Operating System

If for any reason the touchcomputer's operating system needs to be recovered TO FACTORY SETTINGS, you can recover your system by following procedures below. **PLEASE NOTE THAT ALL CUSTOMER SETTINGS AND DATA WILL BE LOST DURING THIS PROCESS.**Please be sure to backup all data, settings, and customer-installed software before proceeding.

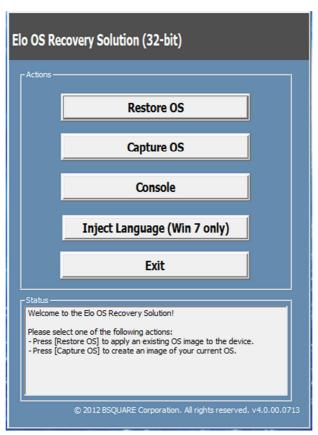
- 1. Power off your system.
- 2. Power on your system.
- **3.** After the Elo splash screen (shown below) appears, press "↑" or "↓" repeatedly to pause on Windows Boot Manager.



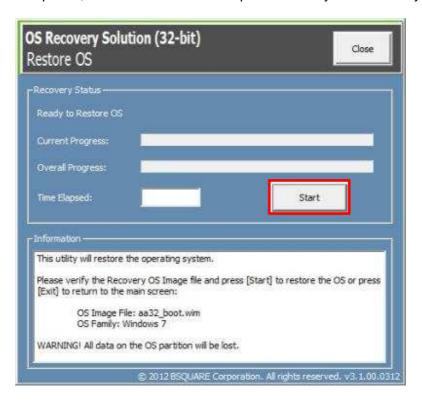
 Select either to Restore OS 32bit or Restore OS 64bit depending on your OS environment.



5. The following User Interface (UI) will appear:



6. Select **Restore OS**. The system will automatically test your hardware. Once the process completes, click the **Start** button to perform the system recovery function.



7. The following process will reformat the primary hard drive. Please back up your data before performing the recovery process.



8. Once completed, click the **Close** button. The system will return to the main menu of the Elo Recovery Solution. Click the **Exit** button to restart your system.

All data is deleted during the recovery process. The user should back up files when necessary. Elo Touch Solutions does not accept liability for lost data or software.

The end user must adhere to Microsoft's Licensing Agreement.

Power

Press the register power button to turn the Elo PayPoint for Windows Register on. Press the start menu and select shut down to power off the Elo PayPoint for Windows register.

In the event that the register freezes and does not respond, press and hold the power button until the register turns off. If the register does not turn off via the power button, the register will need to be powered down by unplugging the power cord from the wall.

The Elo PayPoint for Windows Register power button is equipped with an LED that indicates the power status of the register, as follows:

Register Power Status	LED Status
OFF (disconnected from wall)	Off
OFF (connected to wall)	Red
SLEEP	Red
ON	Solid white light

The system consumes low power when in SLEEP and OFF modes. For detailed power consumption specifications, refer to technical specifications available on the Elo website www.elotouch.com.

To bring register out of sleep/standby mode, touch the screen or press the power button once.

If long periods of non-use are planned, turn off the Elo PayPoint for Windows Register to save power.

The maximum voltage, frequency and current for the register, are provided in the power ratings table below:

	Operating Voltage	Operating	Operating Current	
	Range	Frequency Range	Range	
Elo PayPoint for	100 - 240Vac	50 – 60 Hz	0.1 – 0.3 Aac	
Windows Register	100 210 400	00 00112	0.1 0.07140	

Chapter 3: Technical Support

Information and guidance on how to use and operate your Elo PayPoint for Windows Register are available in this User Manual.

Solutions to Common Problems

Problem	Suggested Troubleshooting
	Check that the power cable is properly connected to both the register and the wall. Power button LED will be red when register is properly connected to the wall.
	OR
The Elo PayPoint for Windows Register does not respond when turning on the system.	Unplug the power cable, re-plug after five seconds, and press the power button to turn on the system.
	OR
	In the case that the power button LED displays solid white light, which suggests that the system is on, there may be an issue with the display or LCD backlight. Please contact Elo Customer Service.
Blank screen	If the power button LED is blinking, the register may be in SLEEP mode. Press the power button to bring the unit out of SLEEP mode.
	Ensure that the thermal receipt paper is installed in the printer in the proper orientation.
Receipt printer does not print text on the receipt paper	Note: Only one side of the thermal paper is coated with the dye that changes color when heated. This is the side that will need to contact the printer thermal head.
	Refer to Chapter 8 for more information on how to properly install the thermal receipt paper in the receipt printer.

	OR
	Try and restart the register.
Poor receipt printing quality	Poor receipt printing quality may be due to the use of poor quality thermal paper. Refer to Chapter 8 for more information on recommended thermal paper for the Elo PayPoint for Windows Register receipt printer.
Receipt printer does not run when it's supposed to	Push the receipt head release button, lift receipt printer head cover, and check that there is no paper jam. Clear any paper jam.
MSR does not read card properly	The MSR may not function properly when dirty. Use MSR cleaning cards (purchasable in some office supply stores).
	Check to ensure that cash drawer lock is not in lock position.
Cash drawer doesn't open	OR
	Use the cash drawer manual release latch to open drawer.

Chapter 4: Safety & Maintenance

Safety

To avoid risk of electric shock, follow all safety notices and do not disassemble the Elo PayPoint for Windows Register. The register is not user-serviceable.

The Elo PayPoint for Windows Register is equipped with a power cable. Do not use a damaged power cable. Use only the power cable supplied by Elo Touch Solutions for the Elo PayPoint for Windows Register. Use of an unauthorized power cable may invalidate your warranty.

Ensure that the system is maintained and runs within the specified environmental conditions listed below.

Environmental conditions for operating and storage

Temperature:

Operating 0°C to 35°C Storage -30°C to 60°C

Humidity (non-condensing):

Operating 20% to 80% Storage 5% to 95%

Altitude:

Operating 0 to 3,048 m Storage 0 to 10,668 m

Elo PayPoint for Windows Register Care and Handling

The following tips will help maintain optimal performance of your Elo PayPoint for Windows Register:

- Disconnect the power cable before cleaning.
- To clean the unit (except for touch screen), use a soft cotton or microfiber cloth lightly dampened with a mild detergent.
- It is important that your unit remains dry. Do not get liquids on or inside the unit. In the event that liquid does get inside, have a qualified service technician inspect the unit before you power it on again.
- Do not wipe the screen with a cloth or sponge that could scratch the surface.
- When cleaning the touchscreen, use window or glass cleaner applied to a clean cloth.
 Never apply the cleaner directly on the touchscreen. Do not use alcohol (methyl, ethyl or isopropyl), thinner, benzene, or other abrasive cleaners.

Printer Maintenance

Changing Printer Paper

The register receipt printer operates using heat, and not with ink. Printer paper compatible with the Elo PayPoint for Windows receipt printer are as follows:

Type: Thermal Paper (2 ½ inches x 80 feet)

Paper width: 2 ½ inches (58 mm)

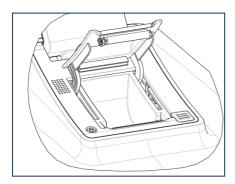
Paper roll diameter: 1 ⁷/₈ inches (50 mm) (maximum)

Paper length: 80 feet (24.4 m)

Printing width: 48 mm

To change the paper for the Elo PayPoint for Windows Register receipt printer:

- 1. Ensure that the register display head is flipped away from the receipt printer (in customer-facing view).
- 2. Push the receipt printer head release button to release the printer head cover.
- 3. Lift printer head cover.



4. Take out the roll of used printer paper, and replace with new roll of printer paper. Make sure that the paper is placed and positions in the correct orientation, as shown below.



Cleaning and Care of Printer

The following tips will help maintain optimal performance of your Elo PayPoint for Windows Register receipt printer:

- Do not pull any paper that is ejected from the printer.
- Do not touch the printer roller or thermal head surface with bare hands. In the case of contact between printer roller or thermal head and hands, clean the roller and/or thermal head surface with alcohol, as specified in the latter parts of this section herein.

Note: Contaminating heating elements with any oil or grease (e.g. oil from hands) may shorten the life of the thermal head.

Do not print when there is no receipt printer installed in the printer.

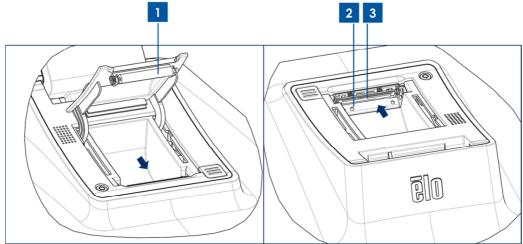


Figure 4. View of receipt printer when printer head cover is open (left). View of the receipt printer according to the view denoted by the arrow.

Prior to cleaning the PayPoint Register receipt printer, ensure that the register display head is flipped away from the receipt printer (in customer-facing view). Push the receipt printer head release button to release printer head cover and access the different printer components listed in Figure 4 above. Guidance on how to clean the printer photo-sensor, thermal head, and roller are as follows:

1. Roller

It is recommendable to clean the printer roller once a month. To do so:

- a. Apply isopropyl alcohol onto a cloth.
- b. Wipe off any stain from the printer roller with the alcohol dampened cloth.
- c. Use a dry soft cloth to wipe the roller.
- d. Wait to allow the roller to dry off, and then shut the printer head cover.

2. Photo-sensor:

It is recommendable to clean the printer photo-sensor once a month. To do so:

a. Use a Nylon brush (or equivalent) to brush off any paper dust or other residues that may be on the photo-sensor.

3. Thermal head

It is recommendable to clean the printer thermal head once a month. To do so:

- a. Moist cotton swab with isopropyl alcohol.
- b. Wipe the thermal head with the cotton swab to remove any stain from the thermal head.
- c. Use a dry soft cloth to wipe the thermal head.
- d. Wait to allow the thermal head to dry off, and then shut the printer head cover.

Changing the Memory and Hard Drive of the Register

Changing the Memory

Before removing the memory, first turn of the register and remove the power supply from the wall.



Step 1. Loosen the memory access door screw and remove the door. The memory access door is the smaller of the two access doors on the back of the display head.



Step 2. Release the two tabs holding the memory in place. You can remove the memory after the memory pops out.

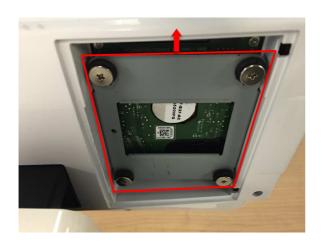
Step 3. Replace with new memory and close the access door. To verify proper installation power on your Windows PayPoint register.

Changing the Hard Drive

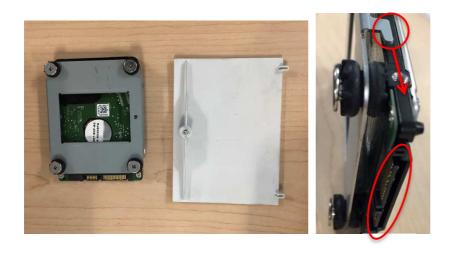
Before removing the hard drive, first turn of the register and remove the power supply from the wall.



Step 1. Loosen the hard drive access door screw and remove the door. The hard drive access door is the larger of the two access doors on the back of the display head



Step 2. Slide the HDD out of the access door and remove it from the head.



Step 2. Unscrew the four screws from the hard drive sled, and replace the hard drive. Before installing the new hard drive into the display, make sure the hard drive SATA connector and the sled latch point toward the same direction.

Step 3. Reinsert the new hard drive into the register (hard drive sled facing down) and secure access door. Power on the register to ensure proper hard drive installation.

Waste Electrical & Electronic Equipment



This product should not be disposed of with household waste. It should be deposited at a facility that enables recovery and recycling. Ensure that product is disposed at the end of its useful life according to local laws and regulations.

Elo has put in place recycling arrangements in certain parts of the world. For information on how you can access these arrangements, please visit http://www.elotouch.com/AboutElo/ewaste-program/.

Chapter 5: Regulatory Information

I. Electrical Safety Information

Compliance is required with respect to the voltage, frequency, and current requirements indicated on the manufacturer label. Connection to a different power source than those specified herein will likely result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.

There are no operator serviceable parts inside this equipment (except for replacement of the receipt printer paper). There are hazardous voltages generated by this equipment which constitute a safety hazard. Service should be provided only by a qualified service technician.

Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment to mains power.

II. Emissions and Immunity Information

Notice to Users in the United States:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible

for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Notice to Users in Canada:

This device complies with RSS-210 of the Industry Canada rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

III. Radio Frequency Exposure

Notice to Users in the United States:

The radiated output power of this device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized.

In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

Notice to Users in Canada

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

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

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

IV. Agency Certifications

The following certifications and marks have been issued or declared for the Elo PayPoint for Windows Register:

- United States FCC
- United States UL
- China CCC

V. China RoHS

根据中国(电子讯息产品污染控制管理办法),以下部分列出本公司产品中可能包含的有毒和/或有害物质的名称和含量.

	有毒有害物质或元素					
部件名称	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料部件	0	0	0	0	0	0
金属部件	Χ	0	0	0	0	0
电线电缆组件	Χ	0	0	0	0	0
LCD 屏	Χ	0	0	0	0	0
触控屏	0	0	0	0	0	0
电路模组	Χ	0	0	0	0	0

- O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的 限量要求以下。
- X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求,对于所有显示 X 的情况,本公司按照 EU RoHS 采用了容许的豁免指标。
- a. 依据 SJ/T11364-2006 要求,本公司电子信息产品均注明以下污染控制指标志. 本产品环保使用期限为 10 年,在下列温度和湿度使用的条件下,不会发生外泄或突变,使用该电子讯息产品不会对环境造成严重污染或对其人身财产造成严重损害,

*操作条件 温度:0°C-35°C /湿度 20%-80%(不凝结) *储存条件 温度:-30°C-60°C /湿度 5%-95%(不凝结)



b. 本公司鼓励并建议客户将本产品依据所在地的相关法令,进行回收及再利用,切勿随意与一般垃圾丢弃。

Chapter 6: Warranty Information

For warranty information, go to http://www.elotouch.com/Support/warranty.asp

Getting in Touch with Us

Elo Touch Solutions

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To find out more about the extensive range of Elo Touch Solutions products, visit our website at www.elotouch.com, or simply call the office nearest to you:

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