SP500X SCANPRINTER
Quick Start Guide

What's In The Box
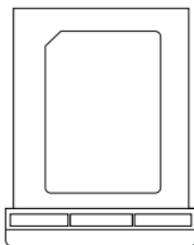
Battery
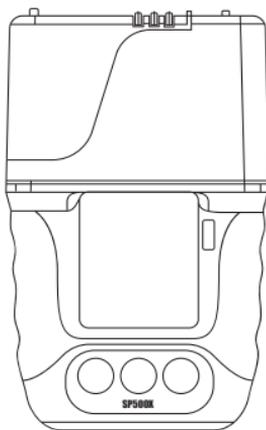
**SP500X***

*Includes fingerstrap. Wrist strap purchase separately.

SP500X Parts

Door Scanner

User Label

LCD

Keypad

Top

USB Connect Charge Contacts Speaker Output

Battery

Wrist Clip holder

Serial Number under handpad

Fingerstrap
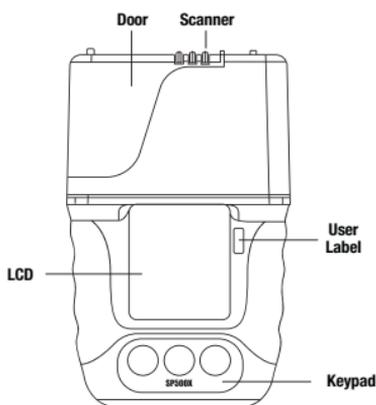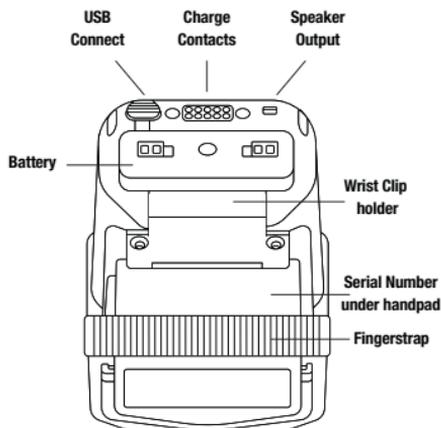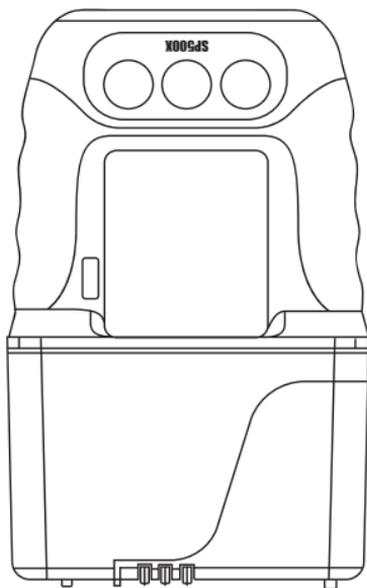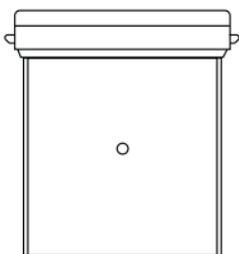
Bottom

01. Install the **battery** by sliding it into the open slot on the **SP500X**. The curved side of the **battery** should align with the bottom of the **SP500X.**

02. Click the **battery** into place. The **SP500X** will power on.
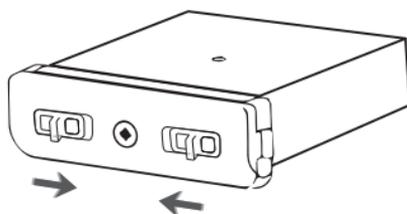
Tip: To power off the **SP500X**, remove the **battery** by squeezing the two latches towards one another, and pulling the battery out of the **SP500X**.

The internal backup battery will keep the **SP500X** on for up to thirty (30) seconds. When the backup battery is exhausted, the **SP500X** will power off.

Tip: To put the **SP500X** into "Sleep Mode", press and hold the **green power button** for ten (10) seconds.

(02) INSTALLING INK CARTRIDGE

01.
Remove protective film
from the **ink cartridge**.
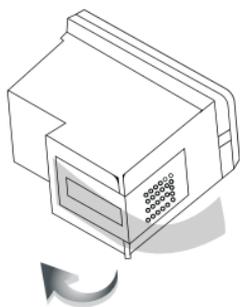
02.
Open the **SP500X** door by
depressing oval button.

03.
Insert **ink cartridge.**

The circular contacts on the
cartridge should align with the
contacts on the **SP500X.**

Click ink cartridge into place,
and close the **SP500X** door.

A.

B.

C.
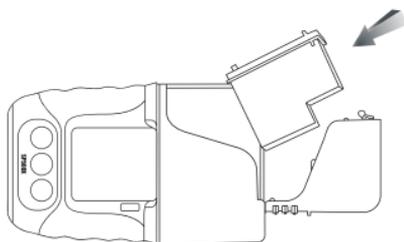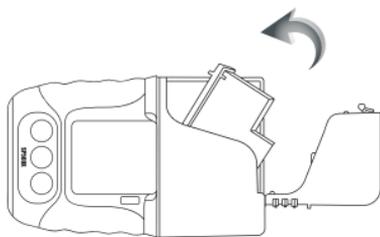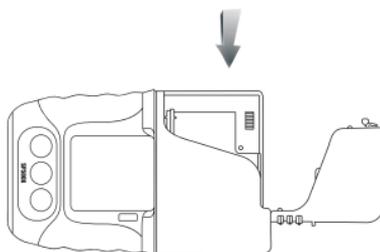
Keypad

The **LCD** and **keypad** allow for navigation through the **SP500X** menus to retrieve data and alter settings.

To reboot, press and hold the **green power button** for ten (10) seconds to put the **SP500X** into sleep mode.

After releasing the button, press the same button again and the **SP500X** will reboot.

Navigate Down

Previous

Power / Enter

LED Feedback

There are two **LEDs** located at the back of the **SP500X**, on either side. The **LED** colors & behavior communicate various feedback.
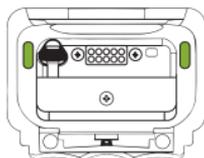
Initial Power Up,
Ready to Print
L+R - Solid Green
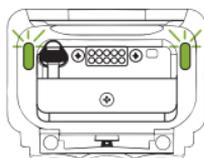
Firmware Downloading
L+R - Blinking Green
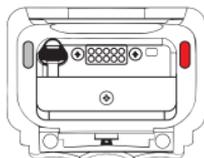
Firmware Updating
R - Solid Red
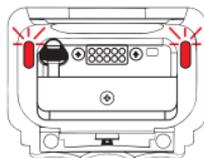
System Error*
L+R - Blinking Red
*low ink, failed print, door open, low battery

The **SP500X** is equipped with a pre-installed **finger strap**. To correctly mount the **SP500X** on your hand, you will need to install a **wrist strap.**

Note: There are two wrist strap sizes available for purchase seperately.

Finger Strap Clip   **Wrist Strap Clip**
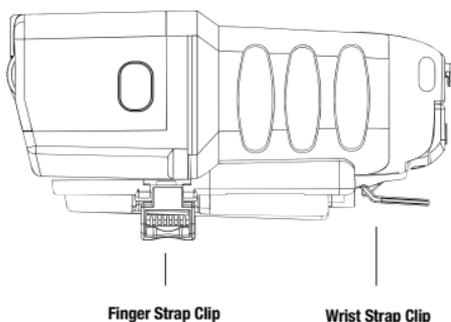
01. Install the wrist **strap** by snapping the triangle-shaped clip* onto the clip holder as shown, with the clip's interior angle pointing upwards.

*preinstalled on wrist strap
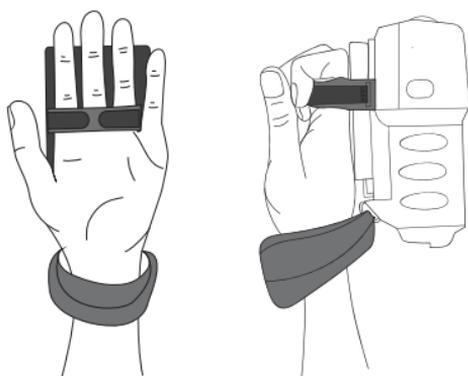
02. Secure the **SP500X** to the back of the hand using the wrist strap and finger strap.

Adjust the straps to ensure a secure and comfortable fit.

Two or three fingers may be used based on what is most comfortable to user.

Tips:

Be careful to not over-tighten the straps.

Remove all jewelry from your wrist and hand.

Always maintain a relaxed wrist posture and low impact when printing.

## (05) CONFIGURING WIFI AND SERVER

There are two methods for configuring the WiFi and server settings.
The first requires the use of the PC App, **SP500X Controller.**
Please refer to the SP500X Controller User Guide for this method.

To perform the second method, a valid **configuration barcode** and close
proximity to the appropriate access points are required.

Configure Via Barcode

01.
Using the **SP500X keypad**, navigate
to the "Server Configuration" item:

Menu > SP500X Tasks > Server Configuration

02.
Select **"Server Configuration"**.
The **SP500X** scanner light will turn on.

03.
Aim the scanner light at the **configuration barcode**. The light will turn off
once the barcode is read. Upon connection to the access point, the LCD
will display "SUCCESS."

04.
The **SP500X** will reboot to update the server
and network settings.

05.
The **SP500X** is now ready to use*

****Note:** In some user environments you may also need to login before use as
directed by your work environment. If so, please scan login barcode before
continuing to use.

Scanning

With **SP500X** mounted on hand, aim the scanner laser at the barcode you wish to scan.

SP500X should be positioned 5-10 inches away from the desired barcode, at a twenty degree angle.

When a valid barcode is scanned, the **SP500X** will sound an acceptance tone, indicating that the device is ready to print.

20° Angle

5 - 10 Inches
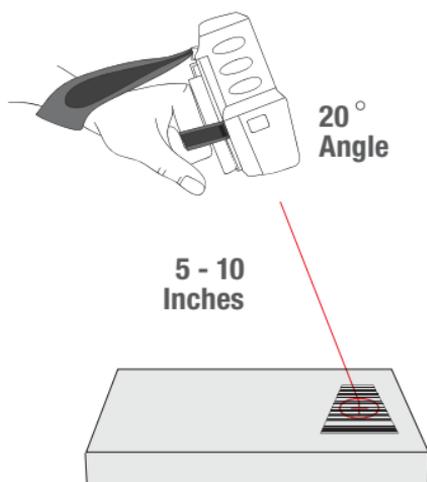
Note: If the scanner goes off, press the back button to turn the scanner back on.

Warning: Do No Stare Into Beam, Class 2 Laser Product.

Printing
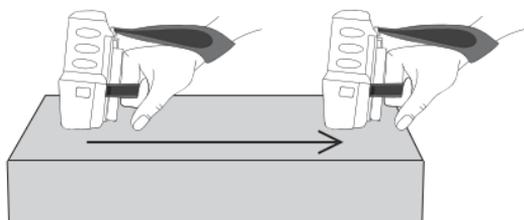
When printing, the **SP500X** front end should remain level with the print surface until print is completed.

Do not tilt the printer forward or backwards while printing.

SP500X Will Not Print or Print is Unclear

- Press back button to engage wiper/cleaning of cartridge.
- Wipe outside of door and door opening while keeping door closed.
- Ensure connection between unit and ink cartridge is free of debris.
- Ensure ink cartridge is properly installed.
- Ensure ink cartridge is not empty.
- Ensure WiFi and server settings are properly configured.
- Ensure logged in if required by your administration.

SP500X Will Not Power On, or LCD Displays "Low Battery" Message

- Replace the battery with a fully charged battery.

SP500X Will Not Connect to Server or WiFi

- Check Wifi Configuration / Settings to ensure SSID / PSK and Server information is correct.
- Check access points to ensure WiFi and server are properly configured and online.

SP500X Scanner Will Not Turn On

- Press back button to turn on scanner.
- Replace battery.

General Maintenance

- As needed, gently clean the unit using Texwipe material.
- Canned air may be used to remove debris.
- Wipe and clean any debris from the charger contacts daily.
- Wipe print head dimples as needed. Take care not to dent or rip gold flex cable.
- Ensure WiFi and server settings are properly configured.
- Foam hand pad is attached using velcro. To remove or replace, grasp pad and gently pull away from the SP500X.
- To remove or replace finger strap, use moderate pressure to release each clip by pressing or pulling clip towards the SP500X.
- To remove or replace wrist strap, use moderate pressure to release (or press in) each side, one at a time. See also section 04 for orientation details.

FCC AND IC REGULATORY INFORMATION

Please note the following regulatory information related to the wireless LAN device.

Regulatory Notes and Statements Wireless LAN, Health and Authorization for use

Radio frequency electromagnetic energy is emitted from Wireless LAN devices. The energy levels of these emissions, however, are far much less than the electromagnetic energy emissions from wireless devices such as mobile phones. Wireless LAN devices are safe for use by consumers because they operate within the guidelines found in radio frequency safety standards and recommendations. The use of Wireless LAN devices may be restricted in some situations or environments, such as:

• On board an airplane, or

• In an explosive environment, or

• In situations where the interference risk to other devices or services is perceived or identified as harmful.

In cases in which the policy regarding use of Wireless LAN devices in specific environments is not clear (e.g., airports, hospitals, chemical/oil/gas industrial plants, private buildings), obtain authorization to use these devices prior to operating the equipment.

Regulatory Information/Disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution or attachment of connecting cables and equipment other than those specified by the manufacturer. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. The manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failure to comply with these guidelines. This device must not be co-located or operated in conjunction with any other antenna or transmitter.

Federal Communications Commission and Industry Canada Compliance statement:

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

Déclaration d'Industrie Canada

Cet appareil est conforme à la RSS concernant les appareils exempt s de licence par Industrie Canada. Son fonctionnement est soumis aux deux condition s suivantes : (1) cet appareil ne doit pas causer d'interférence nuisib le; (2) cet appareil doit accepter toutes les interférences reçues, y compris celles pouvan t causer un mauvais fonctionnement de l'appareil.

FCC Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Radio Frequency Exposure statement

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposure have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research.

The wireless LAN radio device has been tested and found to comply with FCC radiation exposure limits set forth for an uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65.

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg, and 1.6 W/kg by Industry Canada.

This device is compliant with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1992 and Canada RSS 102, and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C, and Canada RSS 102. This device has been tested, and meets the FCC, IC RF exposure guidelines when tested with the device operating conditions.

Déclaration de la FCC/d'Industrie Canada sur l'exposition aux radiofréquences

La norme régissant l'exposition des appareils sans fil aux radiofréquences emploie une unité de mesure dénommée Taux d'absorption spécifique, ou TAS. La FCC et Industrie Canada ont défini la même limite de TAS : 1,6 W/kg. Cet appareil est conforme au TAS pour les limites d'exposition générales de la population/non contrôlées définies par les règles C95.1-1992 de l'ANSI/IEEE et RSS 102 d'Industrie Canada ; il a été testé en conformité avec les méthodes et procédures de mesure spécifiées dans le supplément C du bulletin 65 de l'OET (Office d'ingénierie et de technologie) et la règle RSS 102 d'Industrie Canada. Cet appareil a été testé selon les directives de la FCC et d'IC concernant l'exposition aux radiofréquences et s'est révélé conforme à ces dernières lorsqu'il a été testé en contact direct avec le corps.

Export restrictions

This product or software contains encryption code which may not be exported or transferred from the US or Canada without an approved US Department of Commerce export license.

Modifications not expressly authorized by manufacturer may invalidate the user's right to operate this equipment.

Ce produit ou logiciel contient du code de chiffrement qui ne peut être exporté ou transféré du Canada ou des États-Unis sans un permis d'exportation du département du commerce des États-Unis.

Toute modification n'ayant pas été expressément approuvée par la société peut annuler le droit de l'utilisateur de se servir du matériel.

Canadian Notice / Avis pour le Canada

The device for the 5150 - 5250 MHz band is only for indoor usage to reduce the potential for harmful interference to co-channel mobile satellite systems. The maximum antenna gain of 6 dBi permitted (for devices in the 5250 - 5350 MHz, 5470 – 5725 MHz and 5725 - 5825 MHz bands) to comply with the e.i.r.p. limit as stated in RSS-247. In addition, users are cautioned to take note that high power radars are allocated as primary users (meaning they have priority) of 5250 - 5350 MHz and 5650 - 5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.

Avis pour le Canada

Le matériel destiné à un usage sur la bande 5 150 - 5 250 MHz doit être utilisé uniquement à l'intérieur afin de réduire les risques de brouillage nuisible causé aux systèmes mobiles par satellite fonctionnant sur un même canal.

Un gain d'antenne de 6 dBi est autorisé (pour le matériel utilisant les bandes 5 250 - 5 350 MHz, 5 470 - 5 725 MHz et 5 725 - 5 825 MHz), conformément à la limite p.i.r.e. maximale permise afférent aux périphériques RSS-247.

En outre, les utilisateurs doivent prendre garde au fait que les radars de grande puissance sont considérés comme des utilisateurs principaux (ce qui signifie qu'ils sont prioritaires) des bandes 5 250 - 5 350 MHz et 5 650 - 5 850 MHz et qu'ils pourraient causer des interférences et/ou des dommages aux appareils de réseau exempts de licence.

LASER SAFETY

LASER has been tested and classified as a "Class 2 LASER Product" to the stan-dard IEC 60825-1:2014. The Standard also states that the following be included in all user documentation, spec sheets, and brochures, which describe this product:
"Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure."

Note: This warning states that altering the inner parts of the laser engine in a way not specified in the user guide may cause light levels to exceed Class 2 limits. It is not an issue when using under normal conditions.

handheld