

PROVISOIRE

IER i420

PRINTER



USER SAFETY AND START GUIDE



N0L8S2A6 P1
October 2, 2019

1. I420-220 PRODUCT TESTED AT 230 V, 50HZ, FOR EC MEASUREMENTS



This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

COMPLIANCE STATEMENT FOR EUROPEAN USERS

CE marking shows conformity to the following criteria and provisions:

Low Voltage Directive (2014/35/EU)/EN60950-1

EMC Directive (2014/30/EU)/EN55032, EN55024, EN61000-3-2 & EN61000-3-3



This symbol on the equipment indicates the presence of an RFID module

The i420-220 version of the equipment may be fitted with radiating modules as indicated in the table here after:

Module	Manufacturer	Model	Frequency	Effective Radiated Power
RFID	Impinj	RS500-EU	865 to 868 MHz	+1.32 dBm

GS MARK STATEMENT

This product has been tested under EN ISO 7779 and has an acoustic level output no higher than 55db (A).

This device is not intended for use at a video workstation in compliance with Bildscharb V.

This device is not intended for use in the direct field of view at visual display workplaces. To avoid incommoding reflections at visual display workplaces this device must not be placed in the direct field of view.

2. I420-120 PRODUCT TESTED AT 120 V, 60HZ, FOR FCC AND ICES MEASUREMENTS

FCC COMPLIANCE STATEMENT FOR AMERICAN USERS

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.

This equipment complies with FCC's radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 20 cm is maintained between the radiator (antenna) and user's/nearby person's body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The i420-120 version of the equipment may be fitted with radiating modules as indicated in the table here after:

Module	Manufacturer	Model	Frequency	Effective radiated power
RFID	Impinj	RS500-GX	902 to 928 MHz	+23 dBm

EMI COMPLIANCE STATEMENT FOR CANADIAN USERS

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

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. This equipment is designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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 into 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.

CAUTION: Use shielded cables to connect this device to computers.

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

ETAT DE CONFORMITE EMI A L'USAGE DES UTILISATEURS CANADIENS

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

Cet équipement produit et utilise l'énergie à radiofréquences et s'il n'est pas installé et utilisé correctement, c'est à dire en accord strict avec les instructions du fabricant, il risque de provoquer des interférences avec la réception de la radio et de la télévision.

Le présent appareil numérique n'émet pas de bruits radio électriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada. Cet équipement est conçu pour fournir une protection satisfaisante contre de telles interférences dans une installation résidentielle.

Cependant, il n'y a pas de garantie contre les interférences avec les réceptions radio ou télévision, provoquées par la mise en et hors circuit de l'équipement; aussi, il est demandé à l'utilisateur d'essayer de corriger l'interférence par l'une ou plus des mesures suivantes:

- Réorienter l'antenne de réception.
- Installer l'ordinateur autre part, par égard pour le récepteur.
- Brancher l'ordinateur dans une prise de courant différente de façon à ce que l'ordinateur et le récepteur soient branchés sur des circuits différents.

IC

This equipment complies with RSS102's radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and user's/nearby person's body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Cet équipement est conforme aux limites d'expositions de la CNR102 applicables pour un environnement non contrôlé aux conditions suivantes :

1. Cet équipement devra être installé et fonctionner de telle manière qu'une distance minimale de séparation de 20 cm soit maintenue entre la partie rayonnante (l'antenne) et l'utilisateur / les personnes à proximité à tout moment.
2. Cet émetteur ne doit pas être co-localisé ou opérer en conjonction avec toute autre antenne ou émetteur.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IMPORTANT SAFETY INSTRUCTIONS

- Read all of these instructions and save them for later reference.
- Follow all warnings and instructions marked on the product.
- Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.
- Slots and openings on the cabinet and the back or bottom are provided for ventilation.
- To ensure reliable operation of the product and to protect it from overheating, do not block or cover these openings. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
- This product should be operated from the type of power source indicated on the marking label.
- If you are not sure of the type of power available, consult your dealer or local power company.
- This product is equipped with a three-pronged plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
- Do not allow anything to rest on the power cord. Do not locate this product where the cord will be walked on.
- If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes for 120V outlet and 7.5 amperes for 220V-240V outlet.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
- Except as explained elsewhere in this manual, don't attempt to service this product yourself. Opening and removing those covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks. Refer all servicing on those compartments to service personnel.
- The mains plug on this equipment must be used to disconnect mains power. Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.
- Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power cord or plug is damaged or frayed.
 - b. If liquid has been spilled into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - e. If the product has been dropped or the cabinet has been damaged.
 - f. If the product exhibits a distinct change in performance, indicating a need for service.

This appliance must be connected to protection earth.

DANSK: Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.

NORSK: Apparatet må tilkoples jordet stikkontakt.

SVENSKA: Apparatet skall anslutas till jordat uttag.

SUOMALAINEN: Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan.

SAFETY INSTRUCTIONS

WHICH MUST BE STRICTLY OBSERVED!

To prevent personal injury or property damage, the following shall be strictly observed.
The degree of possible injury and damage due to incorrect use or improperly following instructions is described below.



INDICATES A SITUATION WHICH, IF NOT OBSERVED AND HANDLED PROPERLY, COULD RESULT IN DEATH OR SERIOUS INJURY.



Indicates a situation which, if not observed and handled properly, could result in injury.



Warns against the presence of hot surfaces. Do not touch. To prevent skin burn injuries, turn off, unplug and allow surfaces to cool down before servicing.



Warns against the risk of hand cuts or hand crushing. To prevent injuries, turn off, unplug and wear gloves during servicing.



NEVER PERFORM THE FOLLOWING. IF NOT AVOIDED, THESE MAY CAUSE DAMAGE OR TROUBLE TO THE PRINTER OR CAUSE THE PRINTER TO OVERHEAT AND RELEASE SMOKE AND CAUSE BURNS OR AN ELECTRICAL SHOCK. IF THE PRINTER IS DAMAGED OR IS MALFUNCTIONING, BE SURE TO TURN THE PRINTER OFF IMMEDIATELY AND REMOVE THE POWER CORD FROM THE OUTLET, THEN CONSULT OUR SERVICE PERSONNEL.

- **DO NOT JOLT OR IMPACT TO THE PRINTER BY STEPPING ON, DROPPING OR HITTING THE PRINTER.**
- **DO NOT PLACE THE PRINTER IN A POORLY VENTILATED AREA, OR SHUT OFF THE AIR VENT OF THE PRINTER.**
- **DO NOT PLACE THE PRINTER WHERE CHEMICAL REACTIONS OCCUR, SUCH AS IN LABORATORIES OR WHERE AIR IS**
- **MIXED WITH SALT OR GAS.**
- **DO NOT USE A POWER VOLTAGE OR FREQUENCY OTHER THAN THOSE SPECIFIED.**
- **DO NOT PLUG/UNPLUG THE POWER CORD OR ATTACH/DETACH THE INTERFACE CABLE BY SIMPLY GRABBING THE POWER CORD OR INTERFACE CABLE. DO NOT PULL OR CARRY THE PRINTER WHEN THE TENSION OF THE POWER CORD OR INTERFACE CABLE IS INCREASED.**
- **DO NOT DROP OR PUT FOREIGN MATTER SUCH AS CLIPS AND PINS INTO THE PRINTER. THIS MAY CAUSE PROBLEMS.**
- **DO NOT PLUG THE POWER CORD INTO AN OUTLET WITH MANY LOADS.**
- **DO NOT SPILL DRINKS SUCH AS TEA, COFFEE AND JUICE ON THE PRINTER OR SPRAY INSECTICIDE ON THE PRINTER. IF DRINK OR WATER IS SPILLED, FIRST BE SURE TO TURN THE POWER OFF AND REMOVE THE POWER CORD FROM THE OUTLET, THEN CONSULT OUR SERVICE PERSONNEL.**
- **DO NOT DISASSEMBLE OR MODIFY THE PRINTER.**



THE PRINTER IS NOT TRANSPORTABLE.

NOTICE

- Before use, be sure to read this manual. And keep it handy for reference when needed.
- The contents of this manual may change without prior notice.
- Reproduction, transfer, or transmission of the contents of this manual without prior consent is strictly prohibited.
- We are not liable for any damage resulting from the use of the information contained herein, regardless of errors, omissions, or misprints.
- We are not liable for any problems resulting from the use of optional products and consumable supplies other than the designated products contained herein.
- Do not handle, disassemble or repair the parts other than those specified in this manual.
- We are not liable for any damage caused by user's erroneous use of the printer and inadequate environment.
- Data residing in the printer is temporary. Therefore, all data will be lost if power is lost. We are not liable for any damage or loss of profits caused by data loss due to failures, repairs, inspections, etc.
- Please contact us if there are any mistakes or ambiguities within this manual.
- If there are missing or incorrectly collated pages in this manual, contact us to obtain a new manual.

GENERAL PRECAUTIONS



- Prior to operation, read the safety instructions carefully and observe them.
- Do not drop or put foreign matter such as clips and pins into the printer. This may cause problems.
- Be careful when moving or carrying the printer. Dropping the printer may cause injury or property damage.
- When moving or carrying the printer, never use the paper support. It is not a handle.
- Make sure if you open the top cover, it is opened all the way. If only partially open, the cover could slam shut, possibly causing injury.
- When the cover is open, be careful of the corners of the cover. They could cause injury.
- Do not open the printer during printing.
- When cleaning the surface of the printer case, do not use the cloth that is soaked in thinner, trichloroethylene, benzene, ketone or similar chemicals.
- Do not use the printer where there is a lot of oil, iron particles, or dust.
- Do not spill liquids or spray insecticide on the printer.
- Do not jolt or impact to the printer by stepping on, dropping or hitting the printer.
- Operate the control panel properly. A careless, rough handling may cause problems or malfunction. Do not use such sharp-edged tool as a ballpoint pen for operation.
- Be careful of the edges of the plates so injury or property damage is possible.
- If a problem occurs during printing, stop the printer immediately and unplug the power cord from the outlet.
- When printer trouble occurs, do not try to dissemble it. Instead, consult our service personnel.

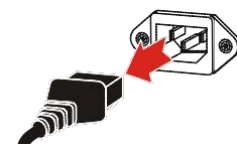
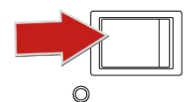
PRECAUTIONS WHEN INSTALLING THE PRINTER



- Prior to operation, read the safety instructions carefully and observe them.
- Do not use or store the printer near fire, excessive moisture, in direct sunlight, near an air conditioner or heater or other source of unusually high or low temperature or humidity or excessive dust.
- Do not place the printer where chemical reactions occur, such as in a laboratory.
- Do not place the printer where air is mixed with salt or gas.
- The printer must sit on a firm, level surface where there is ample ventilation. Never allow the printer's air vent to be blocked by a wall or other object.
- Do not put anything on the top of printer.
- Do not place the printer near a radio or television, and do not use the same wall outlet for the printer and radio or television. Radio or television reception could be adversely affected.
- Do not use a power voltage or frequency other than those specified.
- Do not put anything on the power cord or step on it.
- Do not drag or carry the printer with the power cord or interface cable.
- Avoid plugging the power cord into an outlet with many loads.
- Do not bundle the power cord when inserting the plug.
- Always grip the plug housing, not the cord, to plug/unplug the power cord.
- Make certain the power is turned off before connecting/disconnecting the interface cable.
- Avoid lengthening the signal cable or connecting it to any noise-producing device. If it is unavoidable, use the shielded cable or twisted pair for each signal.
- Place the printer near the outlet where the power cord can be unplugged easily to shut off power.
- Use the AC outlet that accepts a three-pronged plug. Otherwise, static electricity may be generated and there will be danger of electric shock.

MAKING THE EQUIPMENT ELECTRICALLY SAFE

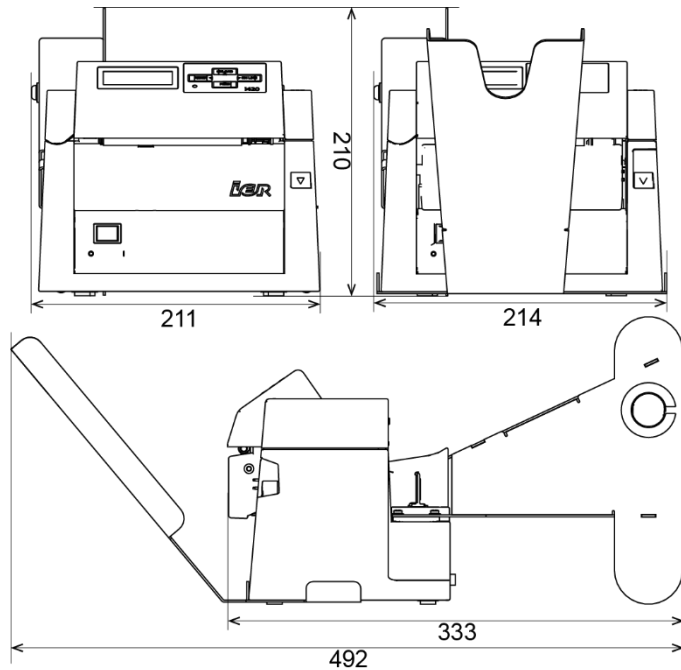
1. Put the main power switch of the equipment to the "O" (OFF) position, to power down the equipment.
2. Disconnect the printer power cord from the power supply grid outlet of the site or from the printer power socket.



1 EQUIPEMENT CHARACTERISTICS

DIMENSION AND WEIGHT

Width	
• Without stacker	211 mm (8.31 in)
• With stacker	214 mm (8.43 in)
Height	210 mm (8.27 in)
Depth	
• Without stacker	333 mm (13.11 in)
• With stacker	492 mm (19.37 in)
Weight	3 kg (6.6 lb)



ENVIRONMENT

Printing conditions:	
• Temperature	+5 °C (41 °F) to 35 °C (95 °F)
• Humidity	30% to 80% condensation free
Operating conditions:	
• Temperature	0 °C (32 °F) to 40 °C (104 °F)
• Humidity	30% to 80% condensation free
Storage conditions:	
• Temperature	-20 °C (-4 °F) to 60 °C (140 °F)
• Humidity	5% to 85%
Operating environment	Fully enclosed area, such: airport lobby, railway station, travel agency, etc.
Altitude	≤ 2000 meters

ELECTRICAL POWER SUPPLY

Model	i420-120	i420-220
Certificate	UL	CB
Voltage	120 Vac	220-240 Vac
Current	Alternating	Alternating
Frequency	60 Hz	50/60 Hz
Nominal current	1.5 A	1.0 A

2 QUICK START GUIDE

BEFORE USING THE PRINTER

To use the printer:

- You need a PC with an Internet navigator
- IERConnect software must be installed on the PC (see IERConnect installation guide).

CONNECTING THE PRINTER POWER CORD

On the back of the printer, connect the power cord to the printer power socket (1).

Connect the power cord to a power grid outlet.

STARTING THE PRINTER

While paying attention to the messages displayed on the screen (3), put the power switch (4) of the equipment to the "I" (ON) position.

After 2 seconds, the printing mode is displayed on the second line of the screen (3):

- Wide: ATB format print mode
- Narrow: Bag tag format print mode

SETTING PRINT FORMAT

To switch from one printing mode to the other:

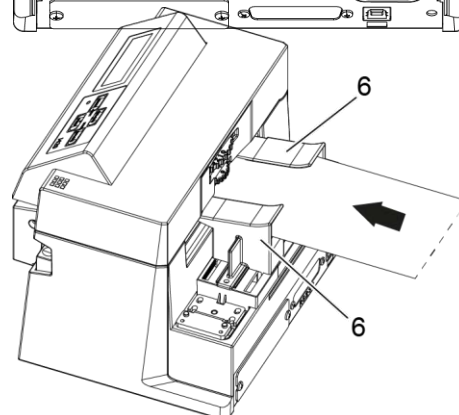
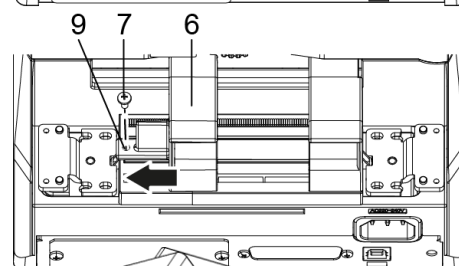
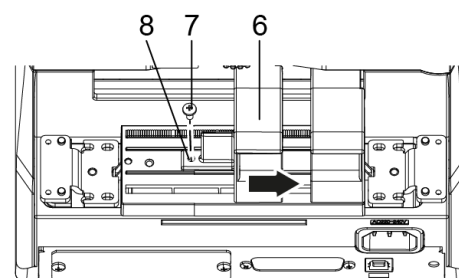
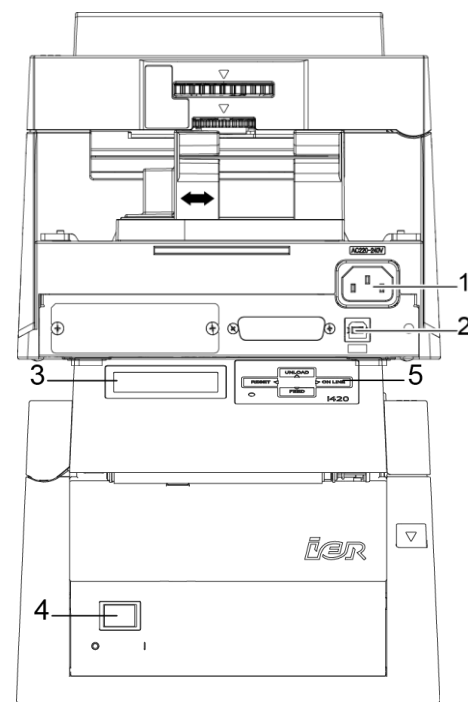
- The USB data cable must be NOT CONNECTED and the print media must be NOT LOADED.
- Set the movable paper guide (6) to the desired position (8 for bag tag, 9 for ATB) and secure it with a locking screw (7).
- Simultaneously press the **UNLOAD** and **ONLINE** buttons (5) for 3 seconds until the desired mode is displayed on the screen.

CONNECTING THE PRINTER DATA CABLE

On the back of the printer, connect the USB data cable to the printer USB socket (2) and to the PC.

LOADING THE PRINTER

Insert the print media, thermo-sensitive side up, between the 2 paper guides (6) until the media is trained by the printer.



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