



AXIUM PRINTER

User Guide

ingenico
GROUP

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1_Introduction

We hope that you will be fully satisfied with your new terminal Axiom Printer. Please select by yourself in this documentation items related to your model.

Read this guide to understand and make the best use of your terminal. It presents you the necessary information about use, installation, maintenance, safety and security recommendations.



WARRANTY / SECURITY

Use only the power supply included with the product to ensure best performance and safety. Maintenance should only be provided by Ingenico authorized technician. Failure to comply with these instructions will void the manufacturer's responsibility.



This symbol indicates an important Warning.



This symbol indicates a piece of advice.



2_Presentation

2.1 Content of the box

2.1.1 Printer

- > **Axiom Printer terminal unit with paper roll**



- > **Paper roll**



- > **A battery pack disconnected**



- > **Power adapter**



- > **User guide**



- > **Pin**



- > **Belt attach**



ADVICE

Keep the packaging. It must be re-used whenever the terminal is shipped.



2_2 Overview of the Axiom Printer

> Terminal unit



> Compartment where are located:

- the battery pack



Weight (without paper roll with battery)	167g
Dimensions (L x w x h)	102x84x46 mm
Electrical mains network	100-240VAC / 50-60 Hz - Class VI equipment
Connections on terminal	Type C USB Power connector

3_Use of the Axiom Printer



ADVICE

Before to use the terminal, always check if the roll of paper is present.

3_1 Switching off the Axiom Printer

If the battery is empty completely, the terminal automatically shuts off.

It may also be switched off by pressing "ON key" during one second until the power led switch off.



In order to restart the terminal, press « ON key ».

3_2 Advance paper

Advance the paper by pressing “advance paper key”.



3_3 Meaning leds

Bluetooth led : blue when the printer is connected by Bluetooth interface



Power led	Meaning
Green (flashing during battery charge)	Battery level between 50% - 100%
Yellow (flashing during battery charge)	Battery level between 30% - 50%
orange (flashing during battery charge)	Battery level between 0% - 30%
Red (flashing during battery charge)	Battery empty cannot printing
Blue flashing	No battery
Quick red flashing	No paper detected

4_Installation

4_1 Recommendations

Location of the Axium printer

The printer should be placed far from any very hot zones, protected from vibrations, dust, damp and electromagnetic radiation (computer screen, anti-theft barrier etc.).

Operating conditions

Ambient temperature	from -10°C to +45°C
Max relative humidity	85% at +40°C

Battery charging conditions

Ambient temperature	from +0°C to +40°C
---------------------	--------------------

Storage conditions

Ambient temperature	from -20°C to +55°C
Max relative humidity	85% at +55°C



4_2 USB Printer connections

4_2_1 USB

- There is an USB connector (USB type C) on the left side of the Axiom printer terminal (see below picture). This connector manages the battery charge.



USB type C

Connector used for PC travel charger, etc...

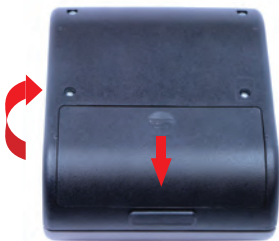
4_3 Opening trap door



CAUTION

Switch off the terminal before opening the trapdoor.

- Flip the printer and unclip the trapdoor by pushing on the clip with as shown with the arrows on the picture.



4_4 Battery

4_4_1 Main characteristics

Characteristics	Li-ion 2250 mAh
Charge (power supply-1.0A)	50% capacity in 1:15; full capacity in 2:30

4_4_2 Installing the battery



WARNING

Check that the terminal is not connected to the main electric network.

- Flip your printer and unclip the battery trapdoor by pushing on the button as shown on the picture
- Disengage the trapdoor
- Take the battery pack included in the box
- Locate the battery pack connector beside the battery compartment
- Plug the battery pack connector **according to the connector locating system and** (as shown on picture). Verify that it locks.
- Place the battery pack in its compartment.
- Close the battery compartment trapdoor.



4_4_3 Charging the battery

When does the battery need to be charged?

- On initial start-up, charge the battery for 4 hours under the environmental conditions stated above
- When used with a terminal power supply: connect the power supply to Axiom printer power connector.

How does the battery need to be charged?

- For the power state of the printer, please refer to § 3.3
- The environment in which the charge takes place influences battery lifetime and autonomy (number of ticket printing)

The optimal conditions are as follows:

- Charging away from any external heat source (radiator, sun, enclosed area...)
- The optimal temperature is between +15°C and +25°C

How can the battery be charged?

Using the terminal power supply

- Connect the terminal power supply unit to the terminal type C connector located on the left side of the terminal.
- Connect the power supply unit to the power supply mains network
- **Check to see if the power led is flashing (=battery charging)**



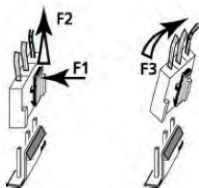
4_4_4 Changing the battery



It is imperative to use a battery authorized by Ingenico. There is danger of explosion if battery used is not approved by Ingenico.

- Turn it off by pressing “ON key” for about one second
- Remove the battery trapdoor (see section 4.3 “opening trap door”)
- Lift the battery and remove it from its compartment
- Carefully disconnect battery, following the instructions below.

- a** Unlock the connector by pressing the locking mechanism as indicated by F1 arrow while pulling this connector (F2 arrow). Release traction on it as soon as the connector comes unclipped
- b** Finish extracting connector by tilting it slightly (F3 arrow) to bring it away from the terminal housing



- Connect and install the new battery by following the instructions in section 4.4.2 “Installing battery”
- Close the battery trapdoor and charge the new battery. See section «4.4.3 “Charging the Battery»
- In order to preserve the environment, dispose used battery in compliance with current country recycling legislation.

4_5 Paper roll

4_5_1 Mains characteristics of INGENICO paper roll

R40 paper roll characteristics	Precisions
Colour	White
Width	58 mm
Diameter	42 mm
Length	About 18 metres

- The thermal paper can be deteriorated by poor storage conditions, so we recommend you to avoid:

- / storage in hot wet places (near air-conditioner, humidity higher than 85%)
- / exposure to sunlight or ultraviolet for long periods
- / contact with organic solvents (solvent type adhesive)
- / direct contact with materials containing plasticizers (PVC transparent folders or envelopes)
- / direct contact with «diaz» papers
- / direct contact with water
- / Rubbing or pressing the paper too strongly



WARNING

For best product performance, **only use heat sensitized paper approved by Ingenico.**



WARNING

Switch off the terminal prior to installing a paper roll.
Use only paper approved by Ingenico.
The use of non approved paper is likely to damage the printer of your terminal.



4_5_2 Installing paper roll

- Open the paper compartment by pulling on each side of the printer and pull the cover to the rear of the terminal.




- Insert the paper roll in the compartment following the directions shown on the below picture
- Pull the paper up to the top of the terminal
- Maintain the paper and close the lid
- Press simultaneously on both upper corners of the paperflap, as shown by arrows on picture, until it clips into position
- when the paper is empty, power led flash quickly in red.





4_6 Installing Belt Attach


Disconnect the battery by following the instructions in section 4.4.4

- 1** Remove the silicon part


- 2** Insert the belt attach


- 3** Insert the pin on the belt attach


- 4** Pull the attach belt until you click



Install the battery by following the instructions in section 4.4.2

5_Recommendations

5_1 Safety

Powering down the Axiom Printer :

Disconnect the Printer power supply block adapter from the electrical mains network.

Battery

Axiom printer is fitted with battery specially designed for this terminal.

- Only use the appropriate chargers and batteries listed in the Ingenico's catalogue.
- Do not short-circuit the battery.
- Do not attempt to open the battery container.
- Used batteries must be disposed of at the appropriated sites.



WARNING

There is a risk of explosion if the battery is incorrectly re-placed or is placed in a fire.

Electrical power outlet

The electrical outlet must meet the following criteria :

- Must be installed **near the equipment and easily accessible**;
- Do not short-circuit the battery.
- Do not attempt to open the battery container.
- Used batteries must be disposed of at the appropriates sites.

The power supply label contains six symbols :



Double insulation symbol



DC current output



AC current input





DC Power jack polarity



In door user only



International Efficiency Marking Protocol (Energy Star Level 5)

On airplanes

Your handset must be switched off by removing the battery pack. Remove the battery from the terminal when on an airplane. Non-compliance with these safety rules may result in legal action and/or a ban on later access to cellular network services.

Explosion areas

Certain regulations restrict the use of radio equipment in chemical plants, fuel depots and any site where blasting is carried out. You are urged to comply with these regulations. The terminal shall be protected by a specially fitted and certified cover enabling use in proximity to a fuel pump.

Electronic health appliances

Your handset is a radio transmitter which may interfere with health appliances, such as hearing aids, pacemaker, hospital equipment, etc.

Your doctor or the equipment manufacturer will be able to provide you with appropriate advice.



6_Standards

Environment (WEEE, Batteries and Packaging)

This product is labeled in accordance with European Directives 2002/96/EC concerning Waste Electrical and Electronic Equipment (WEEE) and 2006/66/EC concerning Batteries and Accumulators. Those provisions are requiring producers and manufacturers to become liable for take-back, treatment and recycling upon end of life of equipment and batteries.



The associated symbol means that WEEE and waste batteries must not be thrown away but collected separately and recycled.



Ingenico ensures that efficient collection and recycling schemes are set-up for WEEE and batteries according to the local regulation of your country. Please contact your retailers for more detailed information about the compliance solution in place for disposing of your old product and used batteries.

Packaging waste must also be collected separately to assure a proper disposal and recycling.

Please note that proper recycling of the electrical and electronic equipment and waste batteries will ensure safety of human health and environment.

7_FCC/IC Compliance

7.1 Federal Communications Commission (FCC) Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

15.21

CAUTION : This equipment may not be modified, altered, or changed in any way without signed written permission from "INGENICO". Unauthorized modification may void the equipment authorization from the FCC and will void the "INGENICO" warranty.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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 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.

15.19 (a) (3)

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 of the device.

The device complies with FCC radiation exposure limits set forth for general population. This device must not be co-located or operating in conjunction with any other antenna or transmitter.



7.2 Industry Canada (IC) Statement.

This device complies with Industry Canada licence-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 the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Le présent appareil est conforme aux CNR d'Industrie 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, et
- 2)** l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada.

Dans le but de réduire les risques de brouillage radioélectrique à l'intention d'autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This device complies with ISSED radiation exposure limits set forth general population. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

8_Troubleshooting

The terminal does not turn on

- Check the battery (is it discharged, is it connected ?)
A full discharged battery can take long charging time to recover
- Connect terminal to terminal power supply or put it on powered base

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