Use the power adapter supplied with i7910. Many adapters can appear similar and will plug into i7910 but will not work properly causing erratic behavior, poor charging or even damage to the unit.

The i7910 with a fully charged battery can perform up to 200 transactions (**depending of the ticket size, transaction duration, time between transactions and backlight usage**).

The battery status is updated on the i7910 display (the indicator depends of the application running on i7910):

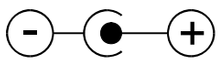
- 1 bar represents 25 % of full capacity,
- 2 bars represent 50 % of full capacity,
- 3 bars represent 75 % of full capacity,
- 4 bars represent full capacity.

Moving bars indicate that the battery is being charged.

3.5. Connections:

Turn the terminal off before connecting peripherals.

- **PERIPHERAL CONNECTION**
  Connect the serial cable to the **RS-232** port. Plug the other end of the serial cable to the device (PC, ECR, bar code or check reader etc.). For detailed instructions, ask the equipment supplier.
- **POWER CONNECTION**
  Plug the power adapter radial jack into power supply connector at the back of i7910. Plug the power adapter into the wall outlet.
  The power supply:
  INPUT.....100-240 VAC, 50-60Hz
  OUTPUT.....18VDC, 670mA



- **OPTIONAL LinkBox and ComBox MODULES**
  These modules provide additional connections:

LinkBox offers a back-up dial connection (asynchronous and synchronous, V22bis or V34) and powered RS-232 port.
ComBox offers two RS-232 ports, one of them powered (port marked RS232-2 provides power for the attached device).

Connect LinkBox or ComBox to the i7910 RS-232 port, the letters “TOP” on a connector must be facing up. The green light (LinkBox only) indicates modem is ready. The light becomes red while dial connection is used.

Connecting LinkBox to a telephone line: Plug the one end of a telephone cable into the port marked ☎, and plug the other end of a telephone cable into a wall telephone jack.

Attaching device to LinkBox or ComBox RS-232 port: Connect the serial cable to the **RS-232** port. Plug the other end of the serial cable to the device (PC, ECR, bar code or check reader etc.).

4. Normal Operation:

Depending of the application installed in the terminal, i7910 displays icons indicating:

- battery charge level,
- charging status and
- received signal strength.

Depending of the application, the i7910 terminal goes into stand-by mode after a period of inactivity (in order to prolong battery life). Pressing the green <**OK**> key powers i7910 back on.
The i7910 with a fully charged battery can perform up to 200 transactions (**depending of the ticket size, transaction duration, time between transactions and backlight usage**).

5. Cleaning procedure:

- The i7910 must be off for all cleaning operations.
- Do not clean the i7910 with water but with a dry or only slightly damp cloth.
- Do not use solvent, detergent or abrasive products.
- If the terminal has battery charging problem, clean the contacts on the battery and on the terminal with a damp cloth.
  Do not scratch or scrape the surface of the contacts.
- If the print quality deteriorates, clean the print head to remove accumulated paper dust. The print head must be cleaned with the terminal powered off, using ethanol applied on a lint-free cloth.
  Be aware of the sharp paper cutter and hot printer parts. Ensure that the ethanol has completely evaporated before switching the terminal back on.

6. If you experience problems:

Call one of the customer service centers listed below:

In Canada:	**In the USA:**
TotalCARE	Ingenico Inc.
6520 Gottardo Court	TotalCARE
Mississauga, Ontario	1003 Mansell Road
L5T 2A2	Atlanta, GA 30076
1-888-900-8221 (905-795-8221)	1-800-435-3014 (770-594-6000)

Ingenico Inc.
1003 Mansell Road, Atlanta, GA 30076
Tel: (770) 594 – 6000 Fax: (770) 594 – 6003
www.ingenico-us.com

Ingenico Canada Ltd.
79 Torbarrie Road, Toronto, Ontario, Canada, M3L 1G5
Tel: (416) 245 – 6700 Fax: (416) 245 – 6701
www.ingenico-ca.com

Ingenico 7910
Installation Guide

DIV450006A

1. Ingenico 7910 description:

The i7910 is an indoor, long range wireless GSM/GPRS point of sale electronic payment terminal designed to process debit, credit and smart card purchases. It is highly secured, EMV level 1 and 2 certified.
The i7910 provides fast service, long life battery, convenience, flexibility and security powered by Ingenico's High Security Core and UNICAPT™. It includes large graphic display and easy loading printer.
Various peripherals can be connected to i7910 through its RS-232 port. Optional LinkBox offers back-up connection via dial modem.

1.1. Display:

A 4 line x 16 character LCD graphic display, with a back light.

1.2. Keypad:

18 keys, with a back light. The special function keys are:

- Programmable function keys <F1>, <F2> and <F3> for navigation and access to various i7910 functions and the system and application menus.
- Paper Feed key is used for a printer paper feed (a few cm).
- The green <ENTER> key confirms the data entered or displayed. It also powers on the i7910.
- The red <CAN> key cancels the current function and returns the terminal to the idle state. It also powers off the i7910 if it is not connected to the power supply (it depends of the application running on i7910).
- The yellow <CORR> key corrects invalid data entry.
- The blue <ADMIN> key is used to access the terminal administration function menu.

1.3. Magnetic Stripe Card Reader:

The i7910 features a bi-directional, 3-track reader located on the right-hand side. The card can be swiped from the bottom to the top, or from the top to the bottom.
The magnetic stripe on the card has to face down and point toward the keypad. The card has to be swiped at uniform speed and pressure, ensuring that the card remains in contact with the bottom of the track throughout the entire swipe action.

1.4. Smart Card Reader:

Insert the smart card horizontally into the slot on the front of the i7910, the microchip facing up, and leave it in the reader throughout the transaction.
The i7910 has EMV level 1&2 approvals and complies with the ISO 7816, Sync and Async T=1 & T=0.

1.5. Printer:

The i7910 integrates a quiet, high speed, "easy-load" style thermal printer with graphics capability.

1.6. Battery:

Rechargeable and easily replaceable Li-Ion battery pack.

1.7. SAM Connectors:

Two SAM card connectors are located on the bottom of the i7910. The SAM (Secure Access Module) supports smart card chips necessary for applications such as loyalty.

2. Ingenico 7910 Packaging Content:

1. i7910 terminal.
2. Li-Ion battery pack.
3. Thermal printer paper, one roll.
4. Power supply for battery charging.
5. LinkBox (optional).
6. Phone cable (optional).
7. ComBox (optional).
8. This installation guide.

3. i7910 Installation:

i7910 is an indoor, long range wireless terminal powered up by rechargeable lithium – ion battery.

Before terminal can be used, the SIM card and paper roll have to be installed and the battery has to be fully charged.

Operating temperature .....+5°C to +40°C
Humidity ..... 20% to 90% without condensation
Storage temperature.....-10°C to +60°C

3.1. Installing/Replacing the Printer Paper

When the coloured stripe on the paper appears, replace the paper:

Turn OFF the i7910 before replacing paper roll.
DO NOT touch the printer parts, they can be very hot. Be aware of the sharp paper cutter.

1. Push the button on the paper compartment cover toward the back and lift the cover.
2. Remove the empty paper roll and insert the new roll. Ensure that the paper is protruding from UNDERNEATH the paper roll:

3. Close the cover, press it until it snaps. Press the "Paper feed" key to verify that paper feeds properly.

Thermal Paper Specification:

- Single ply thermal sensitive – POS or facsimile grade.
- Basis Weight: (lb/rm 17 ins. X 22 ins. - 500) --- 14.5 ± 5%
  (GSM) --- 55 ± 5%
- Caliper.....2.4 ± 0.2 Mils or 60 ± 5 Microns
- Brightness .....Min. 85%
- Smoothness (Bekk Minimum) ..... 300 s
- Roll Width.....2.28 ± 0.040 in (58 mm ± 1.0 mm)
- Roll Diameter.....1.97 in (50 mm) maximum
- Roll Core ID.....0.500 in (13 mm) nominal
- Roll Core OD .....0.625 in (16 mm) nominal

Recommended brands:

KANZAN..... KF50	JUJO AF50KS-E
KOEHLER.... KT55HS01	MITSUBISHI P6402

Thermal paper should NOT be exposed to vinyl, plastics, adhesives, shrink-wraps, wet-toner copies or certain carbon papers, office light UV light, high humidity and temperature (above 65%, 25°C or 77°F) for long periods of time.

3.2. Installing the Battery

Hold the battery as shown, connectors facing downwards. Do not touch connectors on the battery or on the i7910.

Insert the two plastic teeth in the gaps on the i7910 case, place the battery into the cavity and push it. Press the battery handle until a click is heard.

3.3. Installing the SIM Card

Two SIM card connectors are located underneath the battery pack.

Make sure that i7910 is turned off and that power supply is disconnected before handling the battery pack. Do not touch the contacts on the battery pack or on the i7910.

- Remove the battery pack.

- Unlock the SIM connector by sliding the metallic latch in the direction of the OPEN arrow.
- Lift the SIM cover upward and insert the SIM card.
- Swing the cover down and slide the latch into locked position (the LOCK arrow).
- Put the battery back in the i7910 handheld.

Follow these instructions in reverse order to remove SIM card.

3.4. Charging the Battery:

The i7910 comes with a light, easily removable and rechargeable lithium-ion battery. Only use the battery supplied with your terminal.

Make sure that i7910 is turned off and that power supply is disconnected before handling the battery pack. Do not touch the contacts on the battery pack or on the i7910.
Do not remove battery from i7910 unless installing or removing SIM card.

Always charge the battery at the room temperature.
It is important to perform the full battery charge before using i7910 for the first time – charge the battery without interruptions until i7910 terminal indicates the end of charging process (no moving bars on the battery status icon). The battery will reach its full capacity after 3 to 4 charge/discharge cycles.

To charge the battery:

- **Make sure battery pack is properly seated in i7910.**
- Plug the power adapter into the wall outlet and into the power connector at the back of i7910 terminal.