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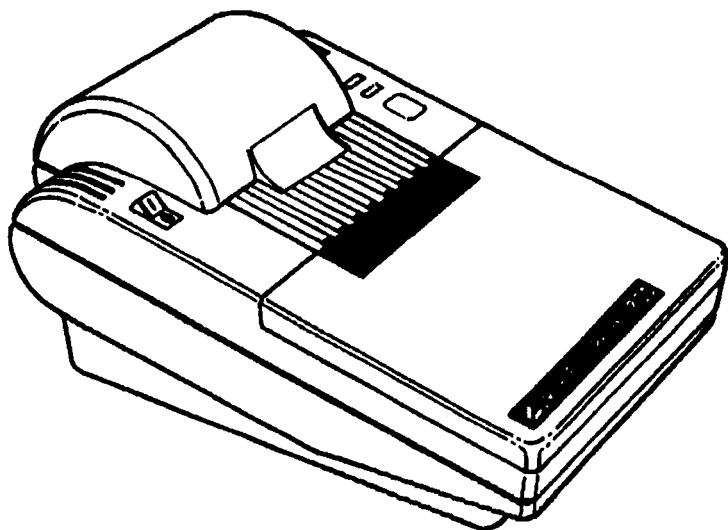
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# Printer 250

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## *Installation Guide*



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## Introduction

The Printer 250 is a freestanding dot-matrix roll printer for VeriFone terminals or computers equipped with an RS-232 serial port. Capable of printing up to 42 characters per line, it is ideal for printing receipts or data on normal or two-ply carbonless three-inch wide roll papers.

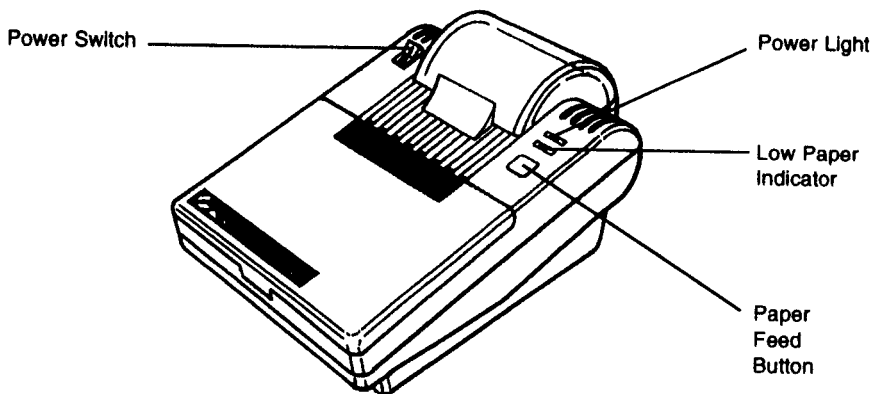


Figure 1. Printer 250

## Unpacking the Printer 250

1. With the shipping carton right side up, open the carton's lid and remove its contents. You should have: the components shown in Figure 2.

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*Note: Save all packing material in case you ever have to ship the Printer 250 or move it to another location.*

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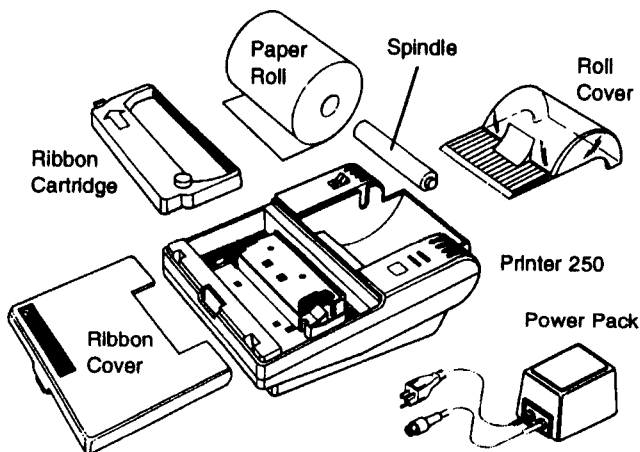


Figure 2. Printer 250 Components

2. Place the printer on a solid desk or table top. When choosing a location for the printer, avoid areas with
  - direct sunlight or objects that radiate heat;
  - excessive moisture;
  - excessive dust;
  - devices that cause excessive voltage fluctuations or electrical noise such as air conditioners, fans, electric motors or high frequency security devices.

## Setting the Internal DIP Switches

A set of four DIP switches is located under the ink ribbon in your Printer 250. With the ribbon removed, set the switches as indicated on the next page before connecting and operating the printer. The printer will not operate properly if the switches are not set correctly.

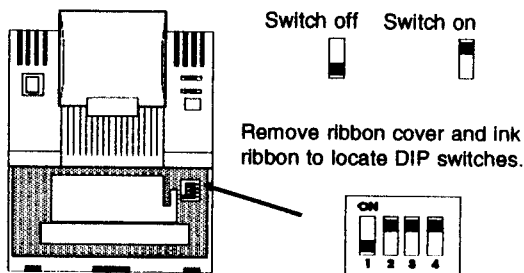
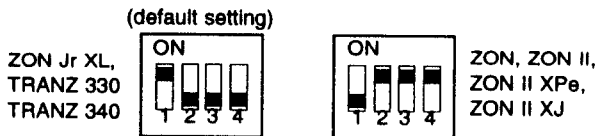


Figure 3. Location of DIP switches.

**CAUTION:** Always disconnect the power before changing the DIP switch settings.

Refer to the illustrations and table below for the proper DIP switch settings. If you are not sure of which settings to use, refer to the reference manual for your terminal or computer's application program.



Switch 1	Parity		
	Even Parity	on	(default setting)
	Odd Parity	off	

Switch 2	Word Length (data bits)		
	7 bit word	off	(default setting)
	8 bit word	on	(no parity)

Switches 3 and 4	Baud Rate	Switch 3	Switch 4	
	1200	on	on	
	2400	on	off	
	4800	off	on	
	9600	off	off	(default setting)

# Printer 250 Installation Guide

## Installing the Printer 250

**CAUTION:** Unplug the terminal's power pack before connecting the Printer 250.

Before installing the Printer 250, you must have the correct printer interface cable. The accessories section on the last page of this Installation guide, lists the interface cable part numbers for different VeriFone terminals.

### Power Connection

1. Connect the 4-pin mini-DIN plug from the printer power pack to the power connector on the right side of the Printer 250 rear panel.
2. Plug the Printer 250 power pack into an indoor, grounded 120 volt AC outlet. Do not install or operate the Printer 250 outdoors.

### Terminal Connection

3. Plug the 8-pin mini-DIN connector on the printer interface cable into the communications port on the left side of the Printer 250 rear panel.
4. Plug the other end of the cable into your terminal's RS-232 port.
5. Plug in the terminal's power pack.

Plug interface cable into your terminal's RS-232 serial port.

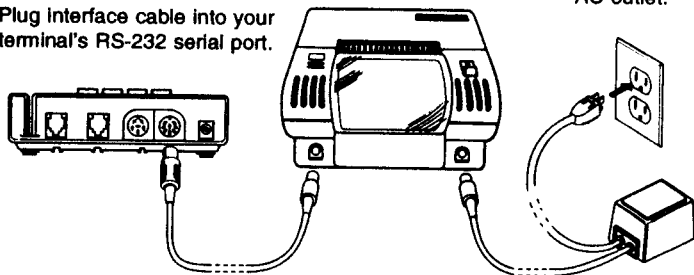
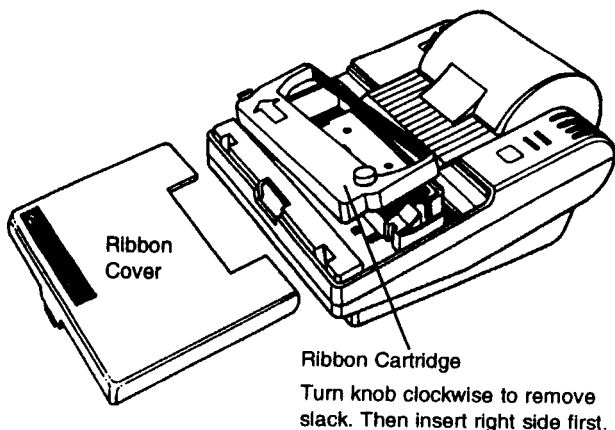


Figure 4. Printer Connections

## Installing or Replacing the Ribbon Cartridge

1. Remove the ribbon cover by pressing the front tab and lifting the cover up.
2. If you are replacing an old ribbon, lift the old ribbon out and discard it.
3. Remove the new ribbon cartridge from its protective packaging and insert it, right side first, into the printer. Be sure the round knob is facing up and the ribbon fabric fits between the print head and the ribbon guide.
4. Press the left side of the ribbon cartridge into place. If it does not fit easily, lift the cartridge out and try again. Do not force the ribbon cartridge into place.
5. Turn the small knob on the cartridge clockwise to remove any slack.
6. Insert the two tabs on the rear of the ribbon cover into the slots on the printer.
7. Press the front of the cover down and snap it into place.



*Figure 5. Installing the Ribbon Cartridge*



# Printer 250 Installation Guide

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## Installing the Paper Roll

The Printer 250 can accept paper rolls with either 11 mm or 17 mm diameter cores. There are four different types of roll paper available from VeriFone. These are listed by part number and description on page 11.

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*Note: For best results, be sure the leading edge of the paper roll is cut cleanly rather than torn before feeding it into the printer. This is particularly important when inserting multiple-part paper.*

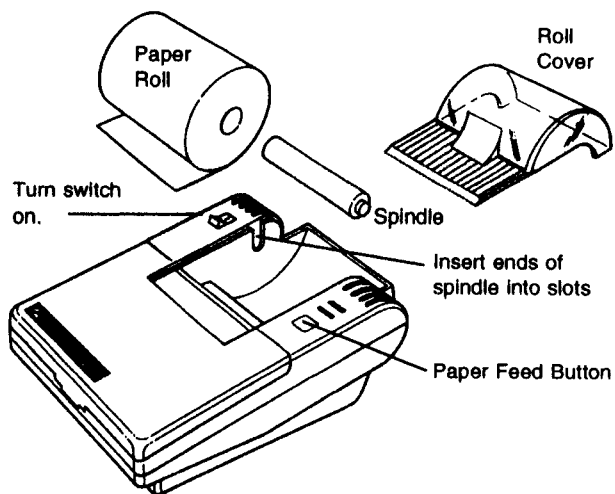
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1. Remove the roll cover by pressing the tab at the rear of the printer and lifting the cover up.
2. Press the "I" symbol on the power switch down to turn the power on.
3. Guide the end of the paper roll into the metal paper slot on the printer. While feeding the end of the paper into the slot with one hand, press the paper feed button several times until the printer grabs the paper.
4. Insert the paper roll spindle into the roll of paper.
5. Insert the spindle with the attached paper roll into the roll cavity. The ends of the spindle must fit into the slots on the sides of the cavity and the paper must feed from the bottom of the roll.
6. Hold the paper feed button down until about two inches of paper emerge from the printer.
7. Replace the roll cover onto the printer, making sure that the paper extends through the slot on top of the printer. Snap the roll cover tab into place.

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**CAUTION:** *Pulling paper out from the back of the printer will damage the feed mechanism. See Removing the Paper Roll on page 10.*

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*Figure 6. Installing the Paper Roll (exploded view)*

# Printer 250 Installation Guide

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## Running the Print Test

1. Turn the power switch off.
2. Hold down the paper feed button and turn the power switch back on. The test will run continuously until the printer is turned off.

## Removing the Paper Roll

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*CAUTION: If you must remove the paper roll, do not pull the paper out from the back of the printer. This could damage the feed mechanism. Instead, cut or tear the paper from the rear of the printer. Use the paper feed button to remove the stub remaining in the feed mechanism.*

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## Cleaning

*CAUTION: Never use thinner, trichloroethylene, or ketone based solvents to clean the printer as they may damage plastic parts.*

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1. Remove dirt using a clean cloth dampened with water and mild soap. You can remove some stubborn stains with alcohol.
2. If necessary use a small vacuum cleaner to remove paper particles and dust from the inside of the printer.

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## Printer 250 Specifications

### Power requirements

Voltage: 110V to 120 volts AC 60 Hz

Power consumption: 20 watts (average) 31 watts (peak)

### Dimensions and weight

Height: 105 mm (4.13 in.); Width: 155 mm (6.1 in.);

Depth: 225 mm (8.86 in.);Footprint: 310.2 square cm.  
(48.1 square in.)

Weight: (including full roll of paper) 1.37 kg. (3 lb.)

## Accessories

### VeriFone

#### Part No.

#### Description

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#### Ribbon Cartridges

CRM0009-02

Purple

CRM0009-03

Red/Black

#### Roll paper

CRM0008

Paper, roll 1-ply, 17 mm core

CRM0008-01

Paper, roll 2-ply carbonless, 11 mm core

CRM0008-02

Paper, roll 3-ply carbonless, 11 mm core

CRM0008-03

Paper, roll 1-ply, 11 mm core

#### Interface Cables:

The interface cables are listed here without length specification (-XX suffix). Normally, a -00 suffix denotes a 1 meter length. For other lengths, contact your VeriFone sales representative.

For ZON Jr XL, TRANZ 330, 340, ZON 530, 530M, 531, 531M, 540, 540M, 541, 541M, ZON II XPe\*, ZON II XJ\*

10448-XX

with straight terminal connector

10454-XX

with 90 degree terminal connector

\*Requires 10448-XX cable

For ZON, ZON II

10512-XX

# Printer 250 Installation Guide

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