



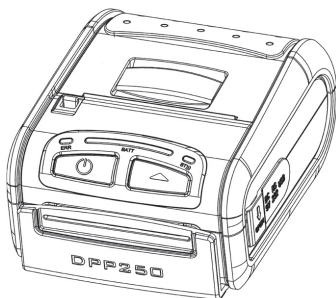
INFINITE PERIPHERALS

PROVIDER OF CUSTOM RECEIPT PRINTING SOLUTIONS

DPP-250

Thermal Printer

User Manual



Infinite Peripherals, Inc.

www.ipcprint.com

DPP-250 User Manual v1.05

.....

Legal notice

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Infinite Peripherals is under license.

Contents

<i>Contents</i>	3
<i>Technical Data</i>	4
<i>Box Contents</i>	5
<i>Compatible Devices</i>	6
<i>Getting Started</i>	7
<i>About Your DPP-250</i>	8
<i>Status & Operating Modes</i>	10
<i>Loading Paper</i>	11
<i>Diagnostic Information</i>	12
<i>Self-test</i>	13
<i>Dip Switch Settings</i>	14
<i>Memory Switch Settings</i>	16
<i>Communication Configuration</i>	20
<i>Bluetooth® Setup</i>	22
<i>Loading Drivers</i>	23
<i>Magnetic Card Reader (MS Version only)</i>	24
<i>Smart Card Reader (SC Version only)</i>	25
<i>Replacing Battery</i>	26
<i>Developing Solution</i>	27
<i>Serial Port</i>	28
<i>Troubleshooting</i>	29
<i>Contact Information</i>	30

Technical Data

Feature	Specifications
Printing method	Line thermal dot printing
Printing speed	60 mm/s (480 dots/sec) at 8.5 V
Print Width	48 mm / 384 dots per line
Resolution	203 dpi (8 x 8 dots/mm)
Dot pitch	Horizontal – 0.125 mm (8 dots/mm) Vertical – 0.125 mm (8 dots/mm)
Resident fonts	A: 12 x 24 dots B: 9 x 16 dots
Loadable fonts	C: 12 x 24 dots D: 9 x 16 dots
Resident Fonts	Font A: 12 x 24 dots (32 char. per line); Font B: 9 x 16 dots (42 char. per line);
Loadable Fonts	Font C: 12 x 24 dots (32 char. per line); Font D: 9 x 16 dots (42 char. per line);
Logo Registration	1 Black & White BMP format (1-bit per pixel) Size: 384 x 248
Input Buffer	128 KB (131072 bytes)
Resident Barcodes	EAN13, EAN8, UPC-A, UPC-E, Codebar, Code39, Code128, PDF417, QR Code
Communications	RS232 C – max. 115200 bps, USB v 1.1, compatible with 2.0 Bluetooth® (Optional)
Readers	Magnetic Card Reader - 3 track head, ISO7811 (optional) Smart Card Reader, ISO 7816-1/2/3 (optional)
Emulation	ESC/POS Label/Black Mark Mode
Power supply	Rechargeable Li-ion battery (7,4 V / 1100 mAh) Battery capacity: Per Charge (~20,000 lines)
	AC adapter – DC 9 V, 1 A AC 100 – 240 V, 1,3 A, 50/60 Hz
Environment	Operating temp. +0°C to +45°C @ 35 to 85 % RH Storage temp. -20°C to +60°C @ 10 to 90% RH
Reliability (MTBF)	50km (printing rate 25% max)
Dimensions	86 (W) X 113 (D) X 57 (H)
Weight	295 g (without paper)
Thermal paper	58mm +0/-1mm X 45mm diameter, thickness 60 µm

Table 1

Box Contents

Your IPC DPP-250 comes with the following items listed below:






Item	Part Number	Descriptions	Image
1	DPP-250xx	DPP-250 Thermal printer	
2	-	AC charger	
3	-	1 Roll of thermal paper	
4	-	User's manual	
5	-	RS-232 interface cable	

Table 2

Software (Drivers & SDK):

Because of the continually evolving Driver & SDK to support new mobile devices, Drivers & SDK are distributed online and is available for download at our website indicated below. For details on using the DPP-250 Drivers & SDK, please refer to the SDK's documentation.

For the latest DPP-250 SDK's, visit our developer web site at:

<http://www.ipcprint.com/support/default.asp>

Compatible Devices

The DPP-250 (Serial & USB) / DPP-250 (Bluetooth®) portable thermal printer is designed specifically for use with most PDA & Smartphone devices.

The DPP-250 can be used in a variety of applications where Printing / Card Reading is required.

User Notes:

Compatibility depends on the type of communication method "Serial / USB / Bluetooth®" your PDA or Smartphone supports and the availability of DPP-250 driver for your device.

- Determine the method of communications your device supports.
- Next determine if your device is supported by the DPP-250 Drivers & SDKs.

Compatible devices are added continually. Visit our web site at:

<http://www.ipcprint.com>

Because of the continually evolving Driver & SDK to support new mobile devices, visit our developer web site at:

<http://www.ipcprint.com/support/default.asp>

Getting Started

The IPC DPP-250 allows you to printer information from your PDA & Smartphone. Before using the DPP-250 thermal printer the battery should be properly charged. The following Quick Start guide will help to get your DPP-250 ready for use.

Quick Start:

Steps	What to do	Purpose	Where to find more information
1	Charge the DPP-250 rechargeable battery pack as recommended in this manual.	The Lithium Ion battery pack should be fully charged before use to ensure long battery life.	Charging Battery, Page 9
2	Load DPP-250 print media (Thermal Paper)	DPP-250 requires Thermal paper for printing.	Loading Paper, Page 11
3	Setup Bluetooth Pairing.	Setup Bluetooth® pairing to allow DPP-250 to communicate with Bluetooth® devices.	Bluetooth® Setup, Page 16
4	Install DPP-250 Software	To print information from your device, software needs to be installed onto your device.	Printing software is not provided by IPC. Please contact your DPP-250 reseller or Infinite Peripherals for recommendations on Third-Party solutions. Developers should refer to the section in this manual on "Developing Solutions".

Table 3

About Your DPP-250

◆ DPP-250 left view

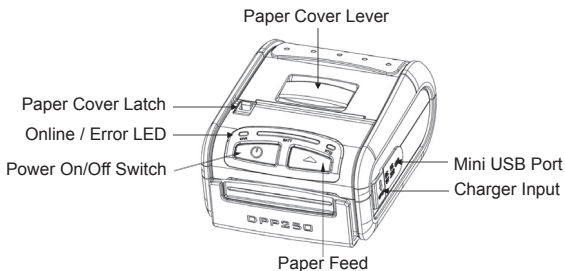


Figure 1

◆ DPP-250 left view

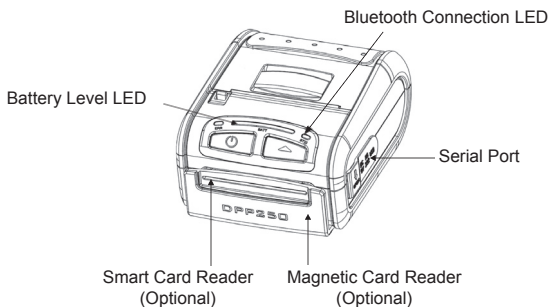


Figure 2

Charging the DPP-250

The DPP-250 uses a Lithium Ion rechargeable battery pack. Before first use, the DPP-250 battery pack should be charged for at least 12 hours.

To prevent electrical damage to the DPP-250 and/or battery pack, please use approved AC Charger only.

◆ DPP-250 Charging

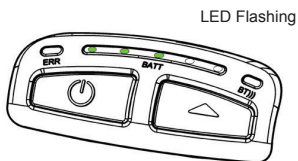


Figure 3

◆ DPP-250 Full Charge

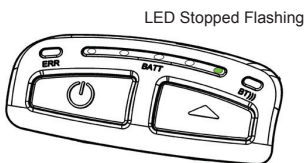


Figure 4

Status & Operating Modes

The DPP-250 uses LEDs to indicate various conditions of operation. This may be charging, active or online, battery low conditions. The following explains these conditions and LED indication.

LED	Function
ERR	<ol style="list-style-type: none"> 1. It lights in green – the printer power is on. 2. It lights in red – end of the paper or paper out. After the loading a new paper roll, LED turns green. 3. It flashes green/red – the printer thermal head is overheating. The printer stops printing. When the printer head temperature returns to normal the STATUS LED light green and the printer continues to print. 4. It flashes green – low battery. 5. When switching ON the printer, while the LF button is pressed, red and green lights are rotated after every beep (up to the fifth). 6. In the long pressing the button it flashes green/red after a beep. After releasing the ON/OFF button it lights green.
BATT	<ol style="list-style-type: none"> 1. When the adapter is switched ON only one of the BATT LED diodes is lighting green, depending on the battery status (from left to right - low battery to fully charged battery). For details see Section "Charging the Battery". 2. When the adapter is switched ON the BATT LED diodes are lighting as shown on the illustration in Section "Charging the Battery", up to full battery charging. 3. When reading a Magnetic Card, the BATT LED are lighting simultaneously in both directions – from the middle outwards to the left and right.
BT	<ol style="list-style-type: none"> 1. It lights blue when PAIRING.

Table 4

Loading Paper

The DPP-250 uses a drop-and-load design making paper loading easy and trouble free. To load paper, simply lift up the paper cover latch and drop in the new roll as shown in the steps below.

1. Slide the paper cover latch to unlock the paper cover as shown in the figure on the right.



Figure 5



Figure 6

2. Lift the paper cover latch to open the paper cover as shown in the figure on the left.

3. Drop in the new roll of thermal media (Stand Paper or Labels) as shown in the figure on the left.

Be sure to pull at least 1/2 inch or more of media above the top of the printer before closing.

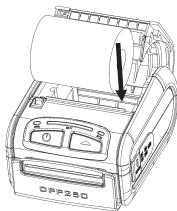


Figure 7

4. Close the paper cover until it snaps lock.
5. Slide paper cover latch to lock the cover in place.

Diagnostic Information

The DPP250's LF switch/button is used for entering various printer modes. These modes can be used to assist developers in debugging problems related to programming and communication. The following explain how to access the various operating modes.

Step #1: Make sure the printer is OFF (On-line LED is OFF) before performing step #2.

Step #2: Press and hold the line feed button (LF). While pressing the (LF) button, press the (POWER) button momentarily and release when one of the conditions bellow:

LF Button Operation Modes	
Holding LF button while power on for ~ 0.5 sec and releasing it after 1-beep .	SHORT SELF TEST print.
Holding LF button while power on for ~ 2.5 sec and releasing it after 2-beep .	Hex DUMP mode. All input data are printed as hexadecimal.
Holding LF button while power on for ~ 4.5 sec and releasing it after 3-beep .	LONG SELF TEST print.
Holding LF button while power on for more than 8.5 sec and releasing it after the 5-beep 4-tone beep .	Program mode – loading the printer firmware.
Holding ON button while power on for ~ 4 sec and releasing it after 1-beep .	Temporary forcing 9600 bps serial speed.
Holding ON button while power on for ~ 6 sec.	Hardware Setup Mode.

Table 5

Note: Care must be taken when entering operating modes to prevent the clearing of factory preset configuration information.

Self-test

The DPP-250 has a built-in test pattern that shows the printer's current configuration as well as the various resident printer fonts. The self-test can also be used as a troubleshooting tool to determine printing problems or battery level. The steps below show how the self-test is printed activated.

- Resident font sizes
- Characters per line
- Text formatting
- Resident character set
- Resident barcode symbols
- Printer's Configuration

DATECS Portable Printer
MODEL DPP-250 Ver. 1.20
Two Internal fonts: 9x16 & 12x24
Two Loadable Fonts: 9x16 & 12x24
Up to 32 chars/ln from this font
Up to 42 chars/ln from this font

Normal **Bold** *Italic* Underline
saaubap 001 f0q p0r1e10R
0 00 7 0 0 0 0 0 0 0 0 0

Different sizes chars
0 1 2 3 4 5 6 7 8 9 A B C D E F
20 ! " # \$ % & ' () * + , - . /
30 0 1 2 3 4 5 6 7 8 9 ; : < = > ?
40 0 A B C D E F G H I J K L M N O
50 P Q R S T U V W X Y Z [\] ^ _
60 ` a b c d e f g h i j k l m n o
70 p q r s t u v w x y z { | } ~ 0
80 € , . f „ … † ‡ § ¨ © ª « ¬ ® ¯
90 † ‘ ’ “ • – — ~ ^ ¨ \$ } e 2 ¥

AB | € ¢ ¥ | § “ ® « + * ~
BB ° ± ² ³ ´ µ ¶ · ¸ ¹ º » ¼ ½ ¾
CB A A A A A A A C E E E E I I I Y
DB 0 N 0 0 0 0 0 x 0 U 0 0 0 Y 0 β
EB à á â ã ä å æ ç è é ê ë ì í î ï
FB ð ñ ò ó ô õ ö ÷ ø ù ú û ü ý þ ÿ

Supported bar codes:
EAN13, EAN8, UPC-A, UPC-E, Code39
Code93, 2 of 5 Interleaved
Codabar, Code128, PDF417

Interface: Bluetooth
Address: 000190E1A/20
USB mode: Device
Country: USA
Code page: Western (1252)
Protocol mode: Enabled
Intensity: 100 %
Auto off: 10 min
Temperature: 32°C
Date & time: FEB/15/12 21:50
Battery: 7.4 V
Switches: ON
1234 1234567890

Figure 8

Dip Switch Settings

The DPP-250 is designed to use different methods of communications. Care must be taken to ensure that the DIP Switches are not changed from its default factory configuration unless required.

◆ DIP SWITCH SETTINGS:

The printer has two absolutely different operation modes.

They are determined by the state of switch Sw2:

- Continuous Paper mode
- Black Mark mode

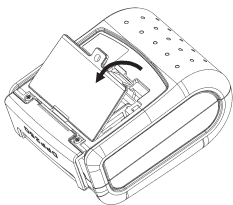
These two modes detect paper present conditions differently. The black mark searching mode is designed for proper alignment of the starting print position on indexed media with printed information.

Switch	OFF	ON
Sw1	Not used	
Sw2	Continuous Paper mode	Black Mark mode
Sw3	Hardware protocol	Xon/Xoff protocol
Sw4	Normal operation mode	Protocol mode

Table 6

DIP Switch Location

1 - Remove battery cover



2 - Remove battery

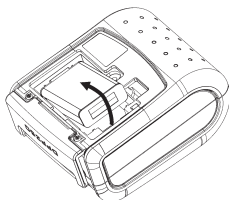


Figure 9

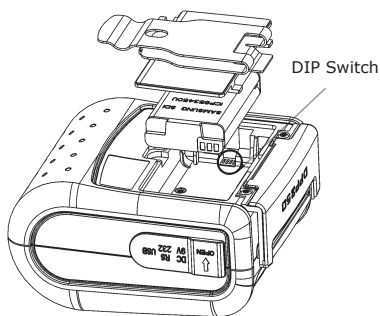


Figure 10

Memory Switch Settings

The DPP350 uses nonvolatile memory for storing some of the printer default configuration. The following table shows the available options.

Memory Switch Options	
Memory Switch (see command reference GS command)	1000000010
BAUD RATE	115200 bps
POWER OFF TIME	10 minutes
PRINT DENSITY	100%
CHARACTER TABLE	WESTERN (1252)

Table 7

Setting Memory Switch

◆ MEMORY SWITCH SETTINGS:

Step #1: Make sure the printer is OFF (STATUS LED is OFF) before performing step #2.

Step #2: Press and hold the line feed button (LF). While pressing the (LF) button, press and hold the (ON) button until the status LED display solid RED.

Step #3: Release the (ON) button and count (2) Beeps or until the next solid RED LED is displayed. Release LF button and follow the instruction printed.

Note: Care must be taken when changing factory preset configuration information.

```
MEMORY SWITCHES: 1000000010
BAUD RATE:       115200 bps
AUTO OFF TIME:   10 min
PRINT DENSITY:  100%
CHARACTER TABLE: WESTERN (1252)
```

HARDWARE SETUP
<ON/OFF> - NO, <LF> - YES

CHANGE MEMORY SWITCHES ?

SAVE SETTINGS ?

```
MEMORY SWITCHES: 1000000011
BAUD RATE:       115200 bps
AUTO OFF TIME:   5 min
PRINT DENSITY:  100%
CHARACTER TABLE: WESTERN (1252)
```

HARDWARE SETTINGS STORED !

Memory Switch Details

SW1 ENABLE SOUND ?
SW2 EXECUTE <CR> AS <LF> ?
SW3 DISABLE <CR> COMMAND ?
SW4 N/A
SW5 N/A
SW6 N/A
SW7 N/A
SW8 DISABLE DISCOVERABILITY ?
SW9 ENABLE USB INTERFACE ?
SW10 USB IN DEVICE MODE ?

CHANGE BAUD RATE ?
CHANGE AUTO OFF TIME ?
CHANGE PRINT DENSITY ?
CHANGE CHARACTER TABLE ?
CHANGE PAIRING INFO ?

SAVE SETTINGS ?

- ◆ SW1: Enable/Disable buzzer.
- ◆ SW2: -
- ◆ SW3: -
- ◆ SW4-7: Reserved for future features.
- ◆ SW8: Prevents others from discovering printer when set to ENABLE. Must be set after pairing is completed.
- ◆ SW9: Allow the use of USB port for communications.
- ◆ SW10: (OFF) set USB as the host mode.

Pairing Info Details

- ◆ **BAUD RATE:** Default is 115200
- ◆ **AUTO OFF TIME:** Default is 5 minutes
- ◆ **PRINT DENSITY:** Default is 100%
- ◆ **CHARACTER TABLE:** Default is WESTERN (1252)
- ◆ **PAIRING INFO:** DEFAULT is (SAVE = No)

Notes:

When saving pairing information, the printer remembers Bluetooth information of the last device connected (paired) to the printer. Saving pairing info prevents the printer from asking for passkey upon initialization. The process for using this option is described below.

"To speed this programming process, you may bypass the memory switch settings by indicating "NO" via pressing of the <ON/OFF> button when the printer prints "CHANGE MEMORY SWITCHES" as shown on page 17. This will advance you to the next level of setting where pairing can be found".

Saving Pairing Info:

1. Following instruction on page-17, change the Pairing Info option to [Save = Yes].
2. Turn the printer on and pair the printer to your Bluetooth device.
3. The printer will now remember the pairing information and not prompt user for a passkey on every printer initialization.

Clearing Pairing Info:

1. Following instruction on page-17, change the Pairing Info option to [Save = No].
2. Turn on the printer and pair the new Bluetooth device to the printer.
3. The printer will prompt user for a passkey on every printer initialization.

Communication Configuration

The following default configurations are used for the different communication methods.

◆ Bluetooth:

Memory Switch Options	
Memory Switch (1 thru 10) (see page 16, 17, 18)	1000000010
Memory Switch Options	
DIP Switch (1, 2, 3 ,4) (see page 14)	OFF, OFF, OFF, ON

Table 8

◆ USB:

Memory Switch Options	
Memory Switch (1 thru 10) (see page 16, 17, 18)	1000000010
Memory Switch Options	
DIP Switch (1, 2, 3 ,4) (see page 14)	OFF, OFF, OFF, ON

◆ Serial:

Memory Switch Options	
Memory Switch (1 thru 10) (see page 16, 17, 18)	1000000010
Memory Switch Options	
DIP Switch (1, 2, 3 ,4) (see page 14)	OFF, OFF, OFF, ON

Notes:

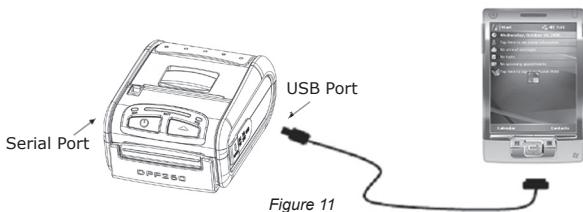
When not using Driver/SDK developer tools, set DIP Switch 4 to OFF.

Connecting Device

The DPP-250 is designed to use different methods of communications. Care must be taken to ensure that the DPP-250 USB or Serial connector and PDA & Smartphone connector are not accidentally damaged. The figures below show how to attach the different device to the DPP-250.

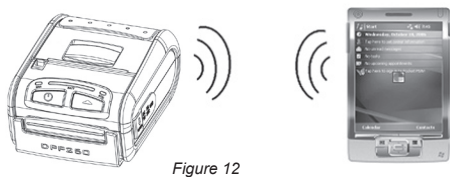
◆ Serial / USB (Cabled) Version:

- Connect the DPP-250 using Mini USB or Serial cable is shown in the figure below.



◆ BLUETOOTH® (Wireless) Version:

- The DPP-250 Bluetooth® version uses Bluetooth® wireless technology to connect to Bluetooth® enable devices. See page 18 for details on Bluetooth® setup.



Bluetooth® Setup

Adding New Bluetooth® Device to PDA or Smartphones

The following is a brief explanation on how to [Pair] your Bluetooth® DPP-250 to PDA & Smartphones.

BlackBerry Devices:

Add Device or Pairing Bluetooth® peripherals to BlackBerry devices require the use of the device Bluetooth® manager. Image on the right shows a typical Blackberry Bluetooth® manager. When adding / pairing the DPP-250, use the [0000] pairing key when prompted.



Windows Mobile Devices:

Creating a *New Partnership* or Pairing Bluetooth® peripherals to your Windows Mobile devices require the use of the device Bluetooth® manager. Image on the right shows a typical Windows Mobile Bluetooth® manager. When adding / pairing the DPP-250, use the [0000] pairing key when prompted.



Palm Devices:

Add Device or Pairing Bluetooth® peripherals to your Palm devices require the use of the device Bluetooth® manager. Image on the right shows a typical Palm Bluetooth® manager. When adding / pairing the DPP-250, use the [0000] pairing key when prompted.



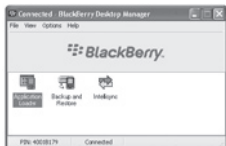
Loading Drivers

Loading DPP-250 drivers for you're PDA or Smartphones.

BlackBerry Devices:

Blackberry Desktop Manager shown in the figure on the right is used to load third party software on to your device.

Please review your device's documentation on how to use the Application Loader Option to load software on to your device.



Windows Mobile Devices:

Active Sync shown in the figure on the right is used to install third party applications on to your mobile device.

Please review your device's documentation on how to use the Active Sync Manager to load new software on to your device.

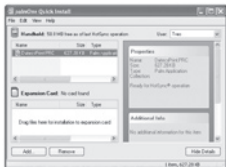


In most cases you only need to run the DPP-250 installer to start the installation.

Palm Devices:

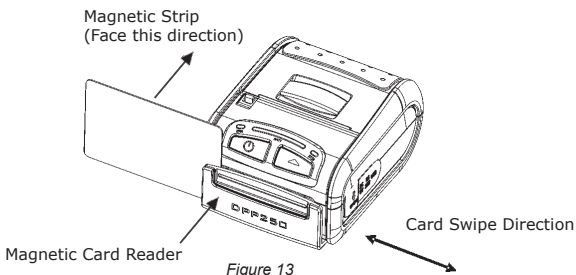
Palm Install Manager Application shown in the figure on the right is used to install third party applications on to your device.

Please review your device's documentation on how to use the Palm Install Manager Application to load new software on to your device. In most cases you only need to drag & drop DPP-250 PRC files in installer and click Add.



Magnetic Card Reader (MS Version only)

The DPP-250 has a built-in magnetic card reader. The card reader incorporates a (3)-track magnetic read head requiring a single swipe to read field data from all three tracks.



The reader's magnetic head faces towards the front of the printer. When placing the card into the reader, the magnetic strip must be facing as show in the figure above. Keep the bottom edge of the card flat on the inner base of the reader to ensure that the magnetic strip passes over the read head evenly.

When swiping the card through the reader, use an even consistent motion from start to finish.

The speed of swiping can vary however the speed must be consistent from start to finish of the swipe in order to accurately read card data.

User Notes:

To use the magnetic card reader feature, special software must be used to read and process the card information. If you do not have card reading software, please consult your reseller to find out if this software is available or contact Infinite Peripherals for recommendations on compatible third party software solutions.

Smart Card Reader (SC Version only)

The DPP-250 has a built-in smart card reader (optional). The smart card reader is designed to read information stored embedded on smart chips and process the information using device side software.

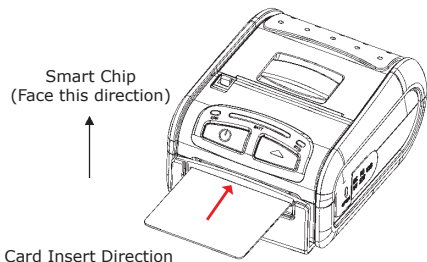


Figure 14

When placing the card into the reader, the smart chip must be facing to the front of the printer as show in the figure above. Insert the card in to the reader until the card stops.

User Notes:

To use the smart card reader feature, special software must be used to read and process the smart chip information. Please consult your reseller if this software is available or contact Infinite Peripherals for recommendations on compatible third party software solutions.

Replacing Battery

To replace the battery in the DPP-250 thermal printer follow the steps below.

Steps:

1. Turn over the DPP-250 and place on a flat surface. Rotate the (2) locking levers as shown in the figure on the right.

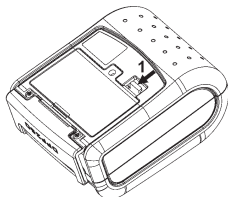


Figure 15

2. Lift the battery cover as showed in the figure on the right.



Figure 16

3. Lift the battery as shown in the figure on the right.

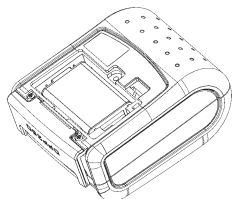


Figure 17

4. Detach the battery connector as shown in the figure on the right. Reverse Steps 1-4 to install the new battery pack.

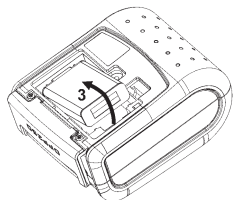


Figure 18

Developing Solution

Integrating the DPP-250 into your mobile solution requires the use of the DPP-250 PDA & Smartphone SDK. The SDK incorporates API specific to developing printing applications and using the integrated Magnetic Card Reader / Smart Card Reader capability of the DPP-250.

The table below shows the SDKs currently available for PDA & Smartphone devices.

OS	Language	SDK-IDE
BlackBerry	Java	RIM BlackBerry Java JDE 4.1 and higher
Palm One	C++	Code Warrior
	Basic	Satellite Forms
	Basic	NS Basic
Windows Mobile	VB.Net	Microsoft Visual Studio 2005 (.Net)
	C++	Microsoft Visual Studio 2005 (.Net)
	C Sharp	Microsoft Visual Studio 2005 (.Net)

Table 11

For details on using the DPP-250 SDK, please refer to the SDK's documentation.

For the latest DPP-250 SDK's, visit our developer web site at:

<http://www.ipcprint.com/support/default.asp>

Serial Port

The DPP-250 supports the following RS232 serial communications.

Serial Protocol Options:

Parameter	Option
Baud Rate	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
Data Bits	8
Stop Bits	1
Parity	None
Windows	Microsoft Visual Studio 2005 (.Net)
Handshaking	Hardware, XON / XOFF

Table 12

Serial Cable:

The following is the serial port cable configuration.

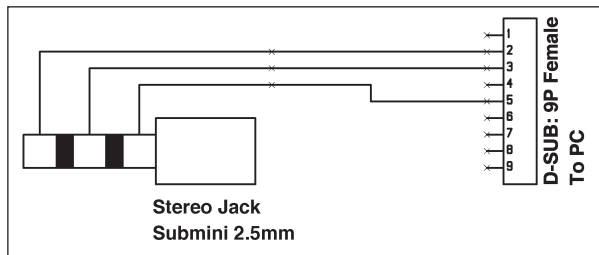


Figure 19

Serial Configuration:

See pages 14 – 18 for information on configuring serial port.

Troubleshooting

If you're having problems capturing signatures refer to the table below for possible causes.

Item	Problem	Possible Cause
1	Paper feeds after issuing a print job but no printed text visible on paper.	Thermal media is specially coated on outside of roll. Remove paper roll and reload properly. See section "Loading Paper" for details on loading paper.
		Paper cover not installed properly. See section "Loading Paper" for details on replacing paper cover.
2	On-line LED blinks RED continuously.	Battery voltage low.
		Printer out of paper or Paper not properly loaded. See section "Loading Paper" for details on loading paper.
3	Text and/or graphics are printed very light.	Battery voltage low. See section on charging battery pack.
		Thermal media not imaging correctly. Verify that you are using the recommended thermal media.
4	Strange characters are printed when printing.	Battery voltage low. See section on charging battery pack.
5	Printer stops responding to print and paper feed commands.	Remove battery for 5 seconds and reconnect battery.
6	Printing is light or missing only on half of the print width.	Paper cover not properly installed. See section on loading paper.
		Mechanism jarred loose. Contact technical support.

Table 13

Contact Information

National Sales Headquarters: Infinite Peripherals, Inc.
340 Reynolds Avenue Suite 101
Irvine, CA 92614
Toll Free: 866-278-7860
Phone: 949-222-0300
Fax: 949-222-0375
www.ipcprint.com
MobileSupport@ipcprint.com

HQ and Main Distribution Facility: Infinite Peripherals, Inc.
3104 N. Arlington Heights Road
Arlington Heights, IL 60004
Phone: 847-818-1260
Fax: 847-818-1287
www.ipcprint.com
MobileSupport@ipcprint.com

Technical Support: Infinite Peripherals, Inc.
1124 Main Street Suite B
Irvine, CA 92614
Phone: 949-222-0300
Fax: 949-222-0375
www.ipcprint.com
MobileSupport@ipcprint.com