

5300 Transaction Printer:

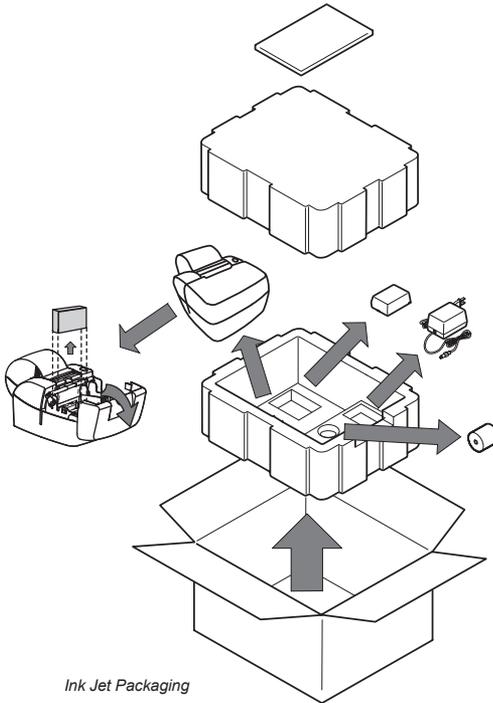
Setup Guide



1

Unpacking the Printer

Save all packing materials in case you need to repack the printer. To report a printer that was damaged during shipping, see "Contact Information" on the last page of this Guide.



Ink Jet Packaging

To repack the printer, consult the above illustration and use the original packing materials.

2

Choosing a Location

Place the printer on a level surface on or near the host computer. Leave space to open the cover, change the paper, Ink Cartridge, and to insert a form.

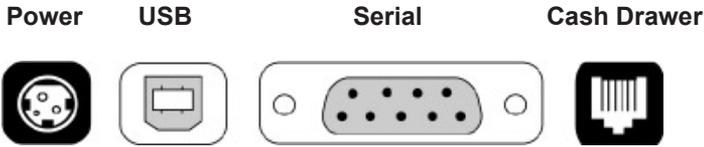
The maximum distance from the printer to the host and the power supply is: 20 feet (RS-232 serial interface).

3

Connecting the Cables

Caution: Be sure the power switch is turned off before connecting cables.

The 5300 comes with two communication interfaces, RS-232 Serial and USB. Additionally, the printer has a cash drawer port and a three pin mini din power coupling. The RS-232 interface connector is a DB9M connector and requires a Null Modem Serial cable for standard PC to printer connections. The USB Interface uses a standard USB 2.0 cable for standard PC to printer connections. A single tele-jack port provides a cash drawer interface capable of running two cash drawers. Ink Jet model uses an external limited power source that provides 15 Watts Min output to the printer. Impact models use a 60 watt auto ranging power supply. All connectors are located on the back of the printer in the order listed below.



RS-232 Interface Connection

Printer

DB-9M

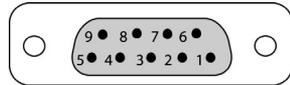
Pin

- 1 N/C
- 2.RXD ←
- 3 TXD →
- 4 DTR →
- 5 SIG. GND. ←
- 6 DSR ←
- (TTL FORM IN) →
- 7 RTS →
- 8 CTS ←
- (TTL OPTION) →
- 9. N/C

Computer

DB-9M

- 1 N/C
- 3
- 2
- 6
- 5
- 4
- 8
- 7
- N/C



Pin #	Signal Name	Signal Source	Description
1	Ground		Ground
2	Cash Drawer drive #1	Printer	Drive for Cash Drawer 1
3	Cash Drawer Sense	Cash Drawer	Cash Draw Switch
4	Cash Drawer +24V	Printer	Drawer supply side.
5	Cash Drawer drive #2	Printer	Drive for Cash Drawer 2
6	COM	Cash Drawer	Cash Sense Return (Gnd)

123456



Warning: use of incompatible cables can damage the printer and will void the warranty.

When purchasing a cash drawer for this product please make sure the vendor is aware of the product specifications.

4

Printer Controls

The 5300 printer includes the following controls :

- Paper feed button used to advance paper.
- Power switch used to turn the printer on and off.

5

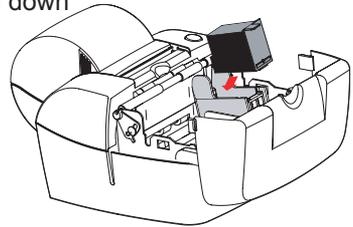
Installing the Print Cartridge

1. Press the Power Switch to turn on the printer.
2. Open the top cover. The cradle moves to an accessible position.
3. Lift the print cartridge out and discard if replacing print cartridge. Skip this step if no print cartridge is installed.

*Note: Replacement ink jet print cartridge for your printer 108541001
Replacement impact print cartridge for your printer 100629011 Black
100629012 Purple.*

Ink Jet Specific Directions

4. Remove the protective vinyl tape from replacement print cartridge.
Do not touch the Ink nozzles.
Do not touch or remove the copper contacts
5. Push the print cartridge firmly, angled down into the print cartridge cradle, cradle latch will latch automatically.
6. Close the top cover



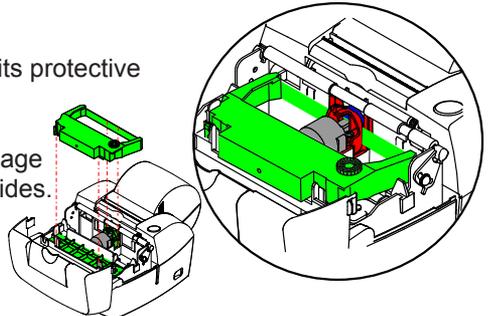
To reset the Ink Status - Close and Re-Open the Cover after Step 3

(See INK STATUS RESET on the following page for available options.)

Warning: Printer is shipped without the print cartridge installed. When shipping or transporting printer remove the ink cartridge to prevent damage to the printer. Ink cartridges should be shipped in original packaging only.

Impact Specific Directions

4. Remove the cartridge from its protective plastic bag.
5. Angle the exposed ribbon end over the printhead carriage In front of the two ribbon guides.
6. Lightly push the ribbon case down until it is engaged into the ribbon advance gear on the right side and the ribbon cartridge is flush in the ribbon carrier.



6 Loading Paper

53X1 Printer Roll paper must be 3 inches wide with a maximum diameter of 3.5 inches. Ink Jet printers can accommodate 1 paper ply. Impact printers can accommodate 1 or two paper plys. Paper and other printer consumables may be purchased from Pertech by calling **1-800-800-6614**.

Ink Jet Paper - Part Number: 103292057

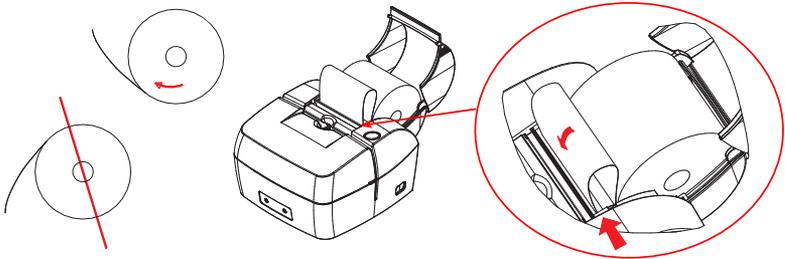
Impact Paper - Part Number: 2 Ply-103292061, 1 Ply-103292062

To load paper the power must be turned ON. Refer to the pictorial paper loading instructions in the Paper Roll Cover or follow the instructions on this page.

Failure to load paper correctly may result in a paper jam. To remove paper that has jammed:

1. Open the Front Cover.
2. Pull the paper backwards out of the mechanism. If the paper will not remove pull the paper forwards out of the mechanism. If needed, cycle power to the printer and wait 5 seconds.

Drop roll into paper bucket so that paper comes off the bottom of the paper roll. Insert the paper end into the paper feed actuator assembly. The paper feed actuator will automatically feed the paper through the mechanism. Close the paper cover lid, paper loading is complete.



7 LED Indicators



The 5300 series printers are equipped with two color led indicators that identify Paper, Error, Ink Low, Form In, and Power On conditions.

Status	Left LED	Right LED
Power On	Off	Green
Insert form	Blink Green	Current Status
Form is in	Green	Current Status
Error	Off	Red
Ink Low	Current Status	Blink Amber
Ink Cartridge Out	Current Status	Amber
Paper Out	Blink Red	Current Status
Cover Open	Current status	Blink Green

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Testing and Configuring the Printer

After the printer is set up, you can run two print diagnostic reports / tests and enter the configuration menu. Below is an example of the configuration report,

- 1 Press and hold the Paper Feed Button and then press the Power Switch to turn the printer on and start the first test.

For Validation printers, the form can be inserted while holding the paper feed button down.

Release the Paper Feed Button after 4 seconds for the printing to begin.

The 5300 completes a test of RAM , a checksum test of program memory, homing and maintenance of the print head and then prints the configuration settings.

- 2 To change the configuration settings, press the Paper Feed Button, when prompted, to enter the Configuration Mode.
Note: Validation only printers do not have this feature.
- 3 Otherwise, wait 10 seconds and you can choose to enter an Extended Print Test that checks the printers vertical line alignment, character fonts, and pitches. After this test, or Ignoring this option will return the printer to normal operation after 10 seconds.
- 4 In Configuration Mode, the printer prints the current setting for each option. To change an option, press the Paper Feed Button.
- 5 If you don't want to change an option, wait for the next option to print.
- 6 After completing the Configuration Mode, the printer prints and stores the new configuration settings in non-volatile memory.

Note: *Exiting setup early by turning the printer off will erase any changes made to the configuration. You must complete setup for changes to take effect.*

5351 Ink jet Configuration Report

Different Models and Compatibility

Modes may have additional options not listed.

Options for 5351 ACL Compatibility Mode listed below.

Serial Number:	*****			
Main Firmware				
Revision:	* * * *			
CRC:	****			
Boot Firmware				
Revision:	* * * *			
CRC:	****			
Printer Control Language				
PCL:	ACL Language	-----	A470 Language	
Diag Mode:	Standard Print	-----	Mode 1 (DO214)	
Auto LF:	CR = CR	-----	Mode 2 (ZC2979)	
Soft Fault Recover:	Automatic	-----	Mode 3 (ZC5979)	
			Mode 4 (ZC1939)	
			Mode 5 (ZC2059)	
Font:				
Font:	Standard	-----	Enhanced	-----
Font Quality:	Draft	-----	Compressed	-----
Intl Char set:	USA	-----	Expanded	-----
Code Page:	437 USA	-----		
Receipt LPI:	6 Lines Per Inch	-----	5,7,8 LPI	
Validation LPI:	6 Lines Per Inch	-----	5,7,8 LPI	
RS232 Serial (when used)				
Baud Rate:	57.6K	-----	9600,19.2K, 38.4K	
Data Bits:	8-bits	-----	8 BIT	
Stop Bits:	1-bit	-----	2-Bit	
Parity:	None	-----	Even	-----
Flow Control:	Hardware	-----	Software	-----
Flow Control:			Odd	
USB (when used)				
Descriptor:	Model Number	-----	Serial Number	
Hardware				
Mechanism Model:	JRNL/VAL			
Form Insert Wait:	1 Min	-----	1min to 15min	
Paper Low Stop Print:	Disabled	-----	Enabled	
Ink Status Reset:	Automatic	-----	Manual	
Document Stop:	1.75 Inches	-----	1.63,1.46 Inches	
Column Alignment				
Half Speed:	3			
Full Speed:	10			
Memory				
Installed RAM:	128K			
Installed ROM:	512K			
Total User Flash:	64K			
Flash Logos:	32K			
Flash Fonts:	0K			
Flash Macros:	0K			
Flash Raw Data:	32K			
Total User Ram:	24560			
Ram Logos:	24560			
Ram Fonts:	0K			
Ram Macros:	0K			
Tallies				
Printed Lines:	0			
Dot Count:	0			
Validation Opens:	0			
Feed Distance:	0			
Hours On:	0			
Flash Updates:	0			
Cover Opens:	0			
Diagnostic:				
0	0	0	0	

There are two options for the **INK STATUS RESET** setting.

1. Automatic (Default Setting) - Allows for the user to automatically reset the ink cartridge Dot Count Tally, LOW INK LED and Command Status Notification for a new cartridge. The cover must be opened and closed an additional time after the old Ink Cartridge is removed and before a new Cartridge is installed for the Status to clear.

2. Manual - LOW INK LED Status Notification will occur when the Dot Count exceeds it preset limit for the cartridge. The Dot Count Tally must be reset via Configuration Menu to clear LOW INK LED Status.

Press paper feed to change configuration

Press paper feed to enter print test

9 Preventive Maintenance

There is no customer maintenance required for the 5300 printers. However, printers gather paper dust and other debris through normal use, continued accumulation can eventually lead to printer issues. A general preventive maintenance program can help reduce unnecessary failures and downtime. Pertech recommends that you occasionally clean lint and paper dust out of the mechanism using low pressure canned air. It is recommended that this be done on a regular basis, such as after every Ink Cartridge change. Clean the cabinet as needed to remove finger marks and dust. Use any household cleaner designed for plastics, but test it first on a small, unseen area.

Caution: *Do not spray or try to clean the print head or the inside of the printer with any kind of cleaner. This may damage the print head or the electronics.*

Federal Communications Commission (FCC) Radio Frequency Interference Statement

Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Information to the User

This equipment must be installed and used in strict accordance with the manufacturer's instructions. However, there is no guarantee that interference of radio communications will not occur in a particular commercial installation. If this equipment does cause interference, which can be determined by turning the equipment off and on, the user is encouraged to contact Peritech immediately.

Peritech is not responsible for any radio of television interference caused by unauthorized modification of this equipment, or the substitution of attachment or connection cables and equipment other than those specified by Peritech. The correction of interferences caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

Important Information to the User

In order to ensure compliance with the Product Safety, FCC and CE marking requirements, you must use the power supply, power cord, and interface cable which were shipped with this product or which meet the following parameters:

Power Supply

Input power to this product must be provided by one of the following:

(1) A NRTL Certified power source with a Limited Power Source

(LPS) output for use in North America, input rated 100 - 240 Vac, 1.5 A, 50/60 Hz, Output rated 24Vdc, 2.5 A Maximum and 60W Maximum. or

(2) A power source with a Limited Power Source (LPS) output Certified by an agency recognized in the country of installation, input rated 100 - 240 Vac, 1.5 A, 50/60 Hz, Output rated 24Vdc, 2.5 A Maximum and 60W Maximum. Use of this product with a power supply other than the Peritech power supply will require you to test this power supply and the Peritech printer for FCC and CE mark certification.

Interface Cable

A shielded (360 degree) interface cable must be used with this product. The shield must be connected to the frame or earth ground reference at each end of the cable.

Use of a cable other than the described here will require that you test this cable with the Peritech printer and your system for FCC and CE mark certification.

Power cord

For North America a NRTL Recognized detachable power cord must be used. For applications where the power supply module may be located on the floor, a power cord with Type SJT marking must be used.

For applications outside of North America, Power cords which meet the country of installation's certification and application requirements must be used.

Use of a power cord other than described here may result in a violation of safety certifications which are in force in the country of use.

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Industry Canada

This Class A digital apparatus complies with Industry Canada Standard ICES-003.

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



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