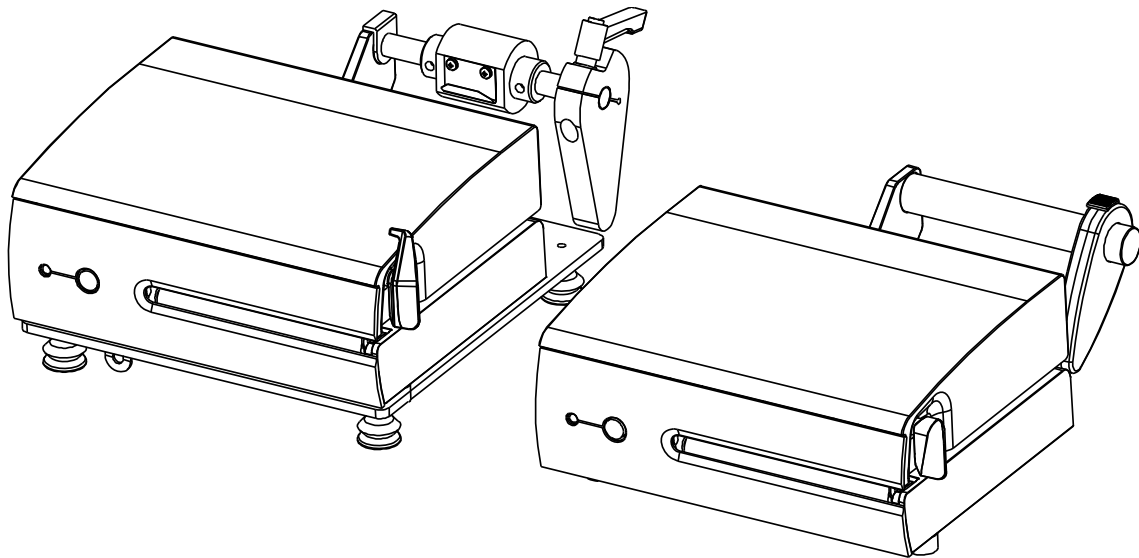


MP Compact4 / MP Compact4 Mobile *Mark II*

Operators Manual ■ ■ ■



right by our customers. ■ ■ ■



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Part Number 88-2351-02, Revision C

Important Safety Instructions

This printer has been carefully designed to provide many years of safe, reliable performance. As with all types of electrical equipment, however, there are a few basic precautions you should take to avoid hurting yourself or damaging the equipment:

- Carefully read the provided installation and operating instructions.
- Read and follow all warning instruction labels on the printer.
- Place the printer on a flat, firm, solid surface.
- Make sure all openings on the printer remain unblocked; never insert anything into the openings or ventilation slots.
- Do not place the printer near a heat source.
- Do not use your printer near water, or spill liquid into it.
- Be certain that your power source matches a listed voltage rating for the printer (if unsure, check with your dealer or local utility company).
- Do not place the power cord where it can be stepped on; and, if the power cord becomes damaged, immediately replace it.
- If service is required, use only qualified trained technicians to repair your printer.

Agency Compliance and Approvals



MP Compact4: UL60950-1; 2nd Edition
MP Compact4 Mobile: UL60950-1; 1st Edition
MP Compact4: CSA C22.2 No. 60950-1-07 2nd Edition
MP Compact4 Mobile: CSA C22.2 No. 60950-1-03 1st Edition



The manufacturer declares under sole responsibility that this product conforms to the following standards or other normative documents:

EMC: EN 55022 (1993) Class A
EN 50024 (1998)

WARNING!:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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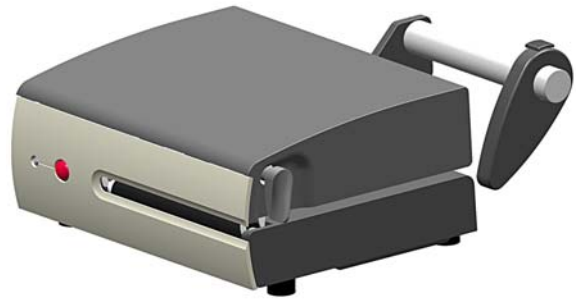
Appendix A - Specifications

Appendix B - Ethernet Setup

1 Getting Started

1.1 Introduction

Congratulations on your MP Compact4 Mark II printer purchase. The MP Compact4 Mark II printer family, hereafter referred to as 'the printer', blends the rugged durability of die-cast construction with state-of-the-art electronics and user-friendly features to redefine the standard in industrial thermal printers. The printer's USB, RS232 serial, or optional wired and wireless LAN connectivity allows easy interfacing to any host system.



This manual provides all the information necessary to operate the printer.

To print labels or tags, simply refer to the instructions included with the software you have chosen to create the labels. A Windows® printer driver can be found on our website (<http://www.datamax-oneil.com>) or on the included CD-ROM for printing from common applications. If you wish to write a custom program, a copy of the Class Series 2 Programmer's Manual can also be found on the CD-ROM.

1.2 Unpacking

After removing the printer from the packaging material, check the contents. The following items should be included:

- Printer
- Power Cord
- Serial Cable (p/n 502542)
- Cleaning Card (p/n 70-2087-01)
- CD-ROM and Documentation
- Any special or additionally purchased items

Additional Requirements:

The following items are necessary for generating labels from your printer. Contact your customer support or sales representative for advice on which media and software may best be suited for your application.

- USB Cable
- Ethernet cable for optional LAN connectivity
- Applicable Label Media



It is a good idea to save all packaging materials in the event that shipping the printer is ever required.

2 Printer Setup

2.1 Power Connection

Power Connections



Before connecting Power or interface cables to the printer, ensure the Power On/Off Switch is in the 'Off' position.

- Place the printer on a firm, level surface.
- Ensure that the Power Switch on the Printer is in the 'Off' position.

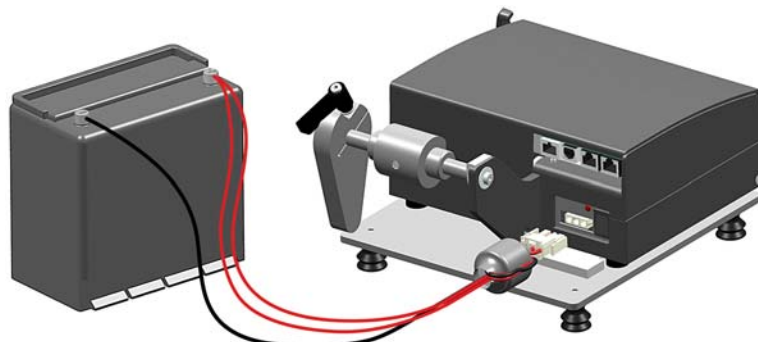
AC Model

- Connect the AC Power Cord to the receptacle on the back of the Printer, and then plug the AC Power Cord into a properly grounded outlet. (The printer's power supply automatically detects and then adjusts to the applied line voltage; see Appendix A for the acceptable voltage ranges.)



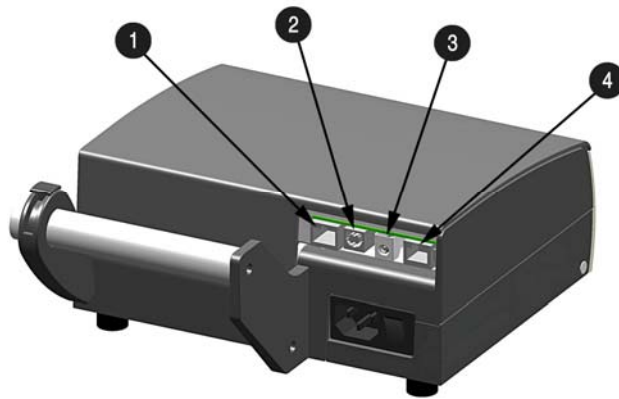
DC Model (24VDC to 48VDC)

- Connect the Black wire to the negative (-) pole of the battery or chassis ground. Connect both red wires to the positive (+) pole of the battery.
- Connect the white input connector to the rear of the printer as shown. (The printer's power supply automatically detects and then adjusts to the applied voltage; see Appendix A for the acceptable voltage ranges.)



2.2 Interface Connection

The printer can be connected to the host via the USB, serial, wired Ethernet, or optional wireless. The printer will automatically connect to the first port that delivers valid data. Once established, the printer's power must be cycled 'Off' and 'On' to change an interface connection.



①	LAN (RJ45 wired Ethernet)
②	USB
③	Wireless antenna connector (optional)
④	COM 1 (RJ45)



Before connecting Power or interface cables to the printer, ensure the Power On/Off Switch is in the 'Off' position.

Serial Connections (COM1)

The serial interface supports RS-232C communications via a RJ45 connector. The following list of serial port settings is menu selectable (via host software/driver) and must match the host computer's serial port settings: > Baud Rate (Default 9600 bps) > Word Length (Default 8 bits).

Serial to Parallel Converter

An optional serial to parallel converter cable (part# 540707) is available for applications that require a parallel connection to the host.

USB Connection (USB)

The USB Interface is supported in Windows 95 and greater. Depending upon the operating system of your host computer, installation may differ slightly.

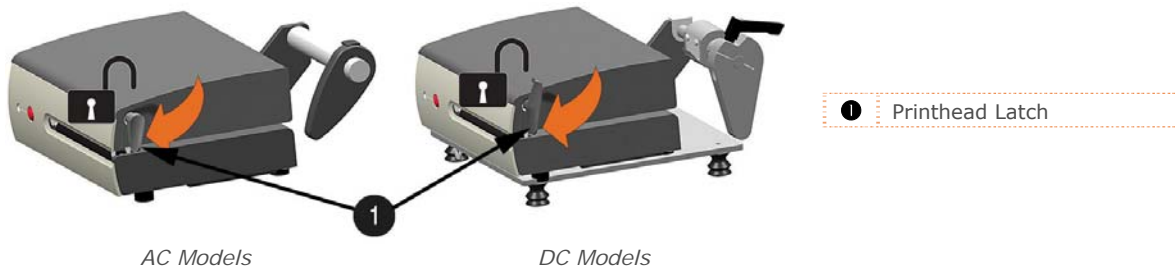
Wired and Optional Wireless

For setup information on wired and optional wireless connections, see Appendix B.

2.3 Loading Labels

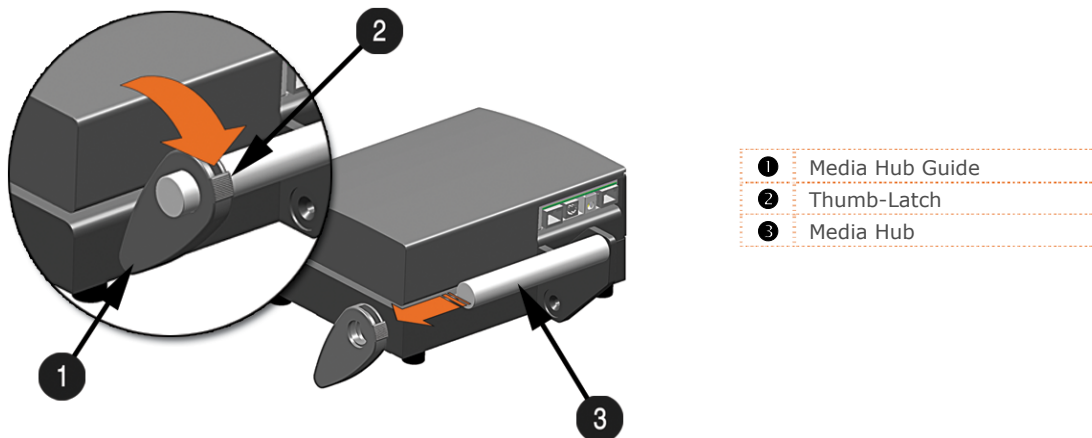
Load media into the printer as follows:

1. Rotate the Printhead Latch clockwise to the unlocked position.

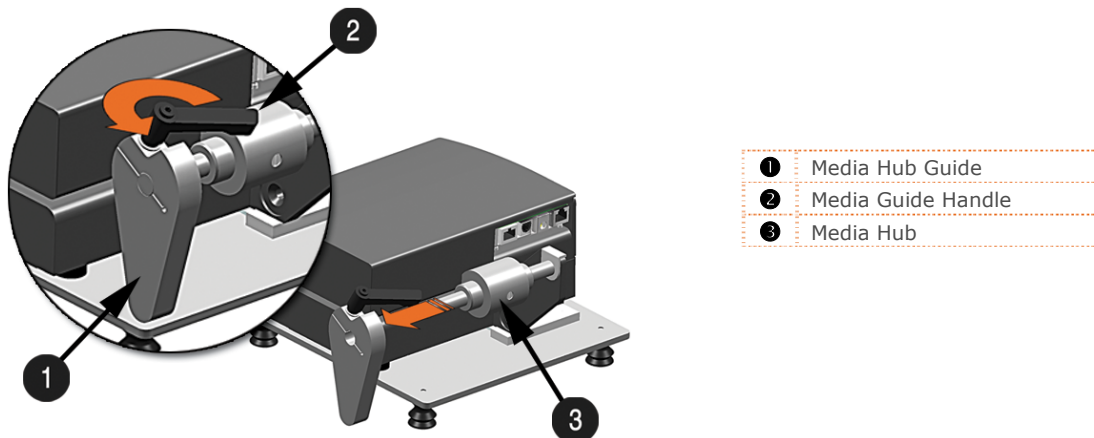


2. Remove the Media Hub Guide:

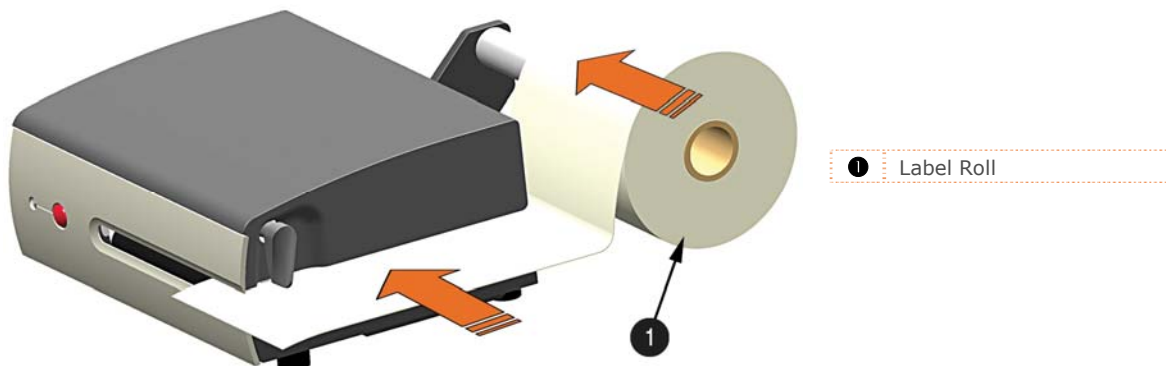
AC Models: Move the Thumb-Latch to the released position and then slide the Media Hub Guide off the Media Hub.



DC Models: Loosen the Media Guide Handle and slide the Media Hub Guide off the Media Hub.



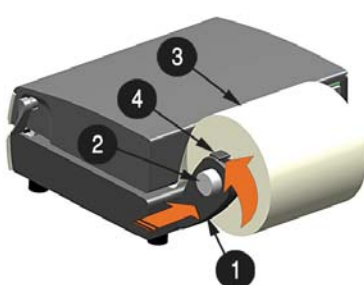
- Unravel approximately 12" of labels from the Label Roll. Slide the labels and Label Roll into the printer from the side as shown.



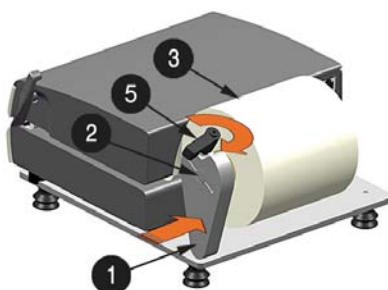
- Reinstall the Media Hub Guide onto the Media Hub. Be sure the Media Hub Guide is lightly touching the edge of the Label Roll. Secure the Media Hub Guide:

AC Models: Move the Thumb-Latch to the locked position

DC Models: Tighten the Media Guide Handle, do not over-tighten.



AC Models



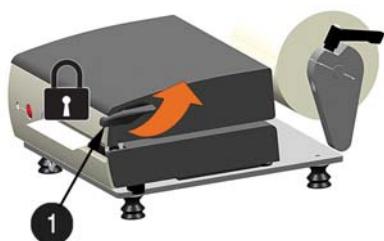
DC Models

1	Media Hub Guide
2	Media Hub
3	Label Roll
4	Thumb-Latch
5	Media Guide Handle

- Rotate the Printhead Latch counter-clockwise to the locked position.



AC Models



DC Models

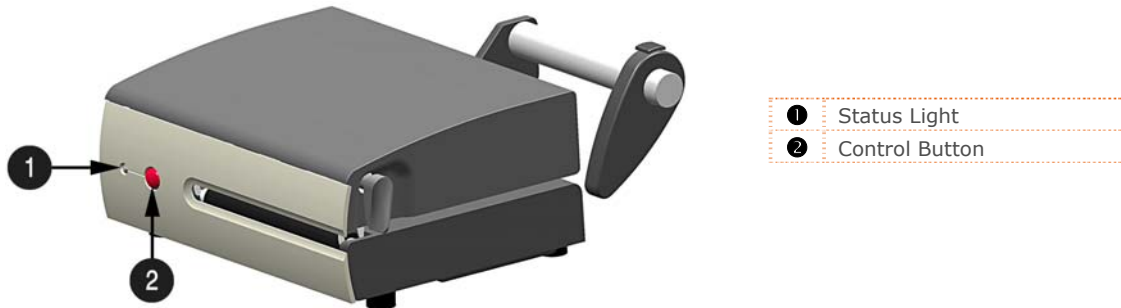
1	Printhead Latch
---	-----------------

- Turn the printer ON and wait for it to enter an idle state (green light on). Press the front Control Button a couple of times to position the media and ensure proper tracking. If the printer does not correctly sense the top of each label, it may be necessary to calibrate the printer (see Section 4.6 Media Sensor Configuration).





3 Printer Operation

3.1 Front Panel

The printer is equipped with a single multi-function Control Button and tri-color Status Light.



3.1.1 Status Light Conditions

- | | |
|---|--|
| 
(Green) | Ready to print. |
| 
(Yellow) | Printer is in Hex Dump Mode, <i>see Section 3.1.3.</i> |
| 
(Red) | Out of stock\labels or printer jam.
Clear the printer jam or reload labels as necessary; press the Control Button to clear. |
| 
(Red Flashing) | Internal printer temperature is too hot, printer has entered a "cool down" mode. |

3.1.2 Control Button

Status Light 'Green' (Ready Mode)

With the status light solid green the control button will function as follows:

- Printer at Idle - Printer feeds media to the next label.
- Printing Labels - Pauses Printer, press again to resume.

Status Light 'Red' (Paused or Error Condition)

The red status light indicates that operator attention is required. In this state pressing the control button will function as follows:

- Printer is Paused - Printer resumes normal operation; Press and hold for 3 seconds to cancel current print job.
- Error Mode - Clears error, feeds media to next label and resumes operation.

Printer Reset

The printer can be reset by pressing and holding the Control Button for at least 10 seconds, then release the button, the Status Light will turn off momentarily. Resetting the printer will clear RAM of downloaded images, fonts, label formats, and remove temporary printer configuration changes.

3.1.3 Configuration Label

Initiation of this mode causes the printer to print its Configuration Label and to begin the Hex Dump Mode.

The Configuration Label provides valuable printer information including the firmware version, memory allocations, enabled options, communications settings, and label-counter data.

To print the Configuration Label:

1. Be sure the printer is properly loaded with media (at least 4 inches wide), and that the power to the printer is off.
2. Turn on the printer.
3. When the Status Light turns on, press and hold the Control Button until printing begins.

After the printer has completed printing the Configuration Label the printer will enter Hex Dump Mode. In this mode, all data sent to the printer will be immediately output in hexadecimal code, along with the printable ASCII equivalents. The Hex Dump Mode is a useful tool for advanced users in the diagnosis of problems including communications, handshaking, and label format syntax errors. To decode this information, the Programmer's Manual is an essential reference.

To exit Hex Dump Mode simply turn the printer off.

3.2 Windows Driver

The Windows driver is located on the Accessories CD-Rom included with your printer. For the latest version please visit our web site at www.datamax-oneil.com.

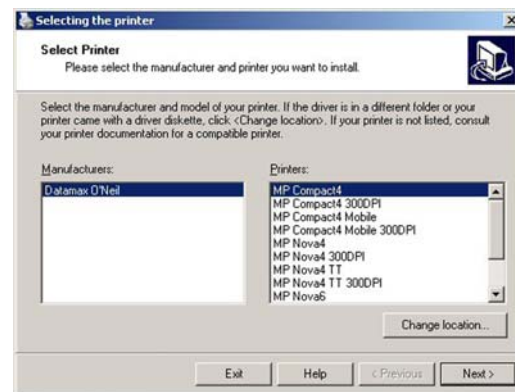
Installing the Windows Driver:

Place the Accessories CD-Rom included with your printer into your computers CD-Rom drive.



Once the CD-Rom starts select your printer model and then select "Install Windows Driver" from the menu.

When prompted, select your printer from the list, (e.g. MP Compact4 Mark II). Continue to follow the on-screen instructions to install the driver.



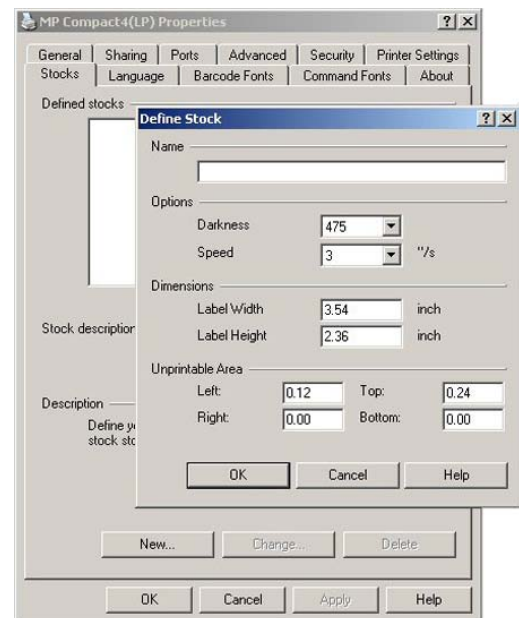
Important Notes:

The Windows driver functions the same as any other Windows printer. A built in help file is available for complete information on all settings; however, there are some important settings that should be observed for trouble free printing.

Stocks Tab: Define Stock

It is important that the Stock setting matches the size of the label you are using. Click 'New' and enter the dimensions of your label.

The Windows application software used to create the label format will likely have a "Page Setup" screen. This will also need to match the size of the label you are using.



3.3 Printer Configuration Utility (TeraTerm)

TeraTerm (located on the Accessories CD-ROM) is a Windows based configuration utility that allows the user to make changes to the existing printer setup via a direct connection to the host serial port, or any port with a Windows driver assigned to it. The following list highlights what operations can be defined in the different menu sections:



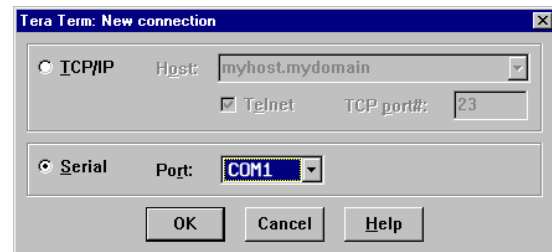
TeraTerm will not be able to connect to the printer if the Windows driver is installed on the same port. To temporarily resolve this issue, re-assign the Windows driver port to "File". This will free the port and allow TeraTerm to communicate with the printer.

- Ports: Configure the COM ports or give the printer an IP-address (network settings).
- Label Settings: Set label feed and adjust the print area.
- Print Settings: Set print and feed speed.
- Character Settings: Select character set, command character and end of line character.
- Sensor Settings: Adjust the printer to the inserted media type automatically. Select sensor type.
- Time Settings: Set time and date.
- Miscellaneous: Reset to factory defaults. Remove file system data.
- Restart: Restart the printer.

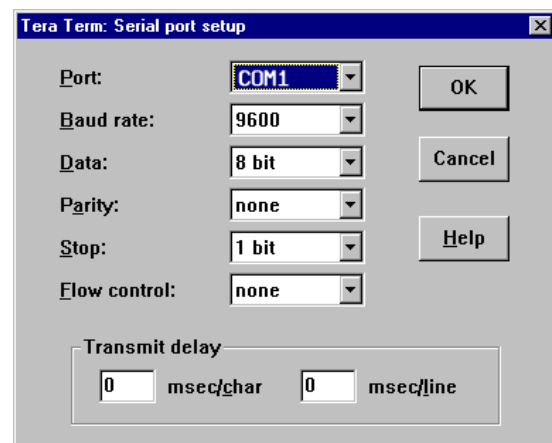
See the TeraTerm manual on the Accessories CD for more information on these menu items.

Once you have installed the TeraTerm utility:

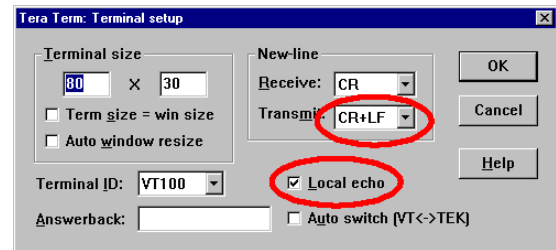
1. Connect the host to the printer via the serial port (COM1). See *Section 2.2 Interface Connection*.
2. Turn the printer 'ON'. Launch the TeraTerm utility.
3. Click the 'Serial' radio button and make sure COM1 is selected, then click 'OK'.



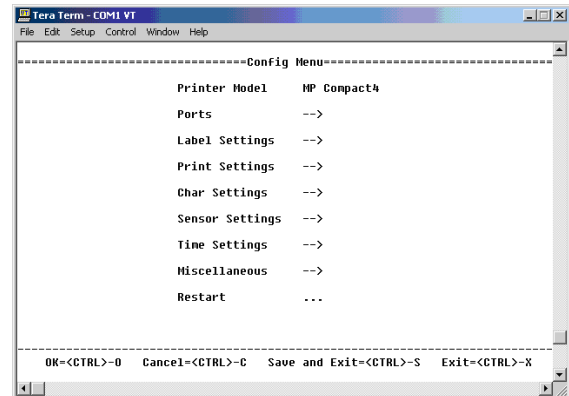
4. Select Setup> Serial Port> from the top drop-down menu to configure the host port to match the printer. The settings shown are the default settings.



5. Select Setup>Terminal> from the top drop-down menu. In the 'Transmit' drop down box, change this setting to "CR+LF". Also check the box 'Local Echo'. Then click 'OK'.



6. The command to enter the Config Menu is !A <enter>. Use the Arrow keys and the Enter key to select menus and to toggle and select settings. Use the Esc key to exit menus. You can also use the keyboard commands shown at the bottom of the window.



4 Maintenance and Adjustments

4.1 Cleaning Intervals

This section details the cleaning, adjusting, and troubleshooting tips for the printer. The following table outlines the recommended maintenance schedule for the various printer parts.

Area	Method	Interval
Printhead	Turn off the printer before cleaning the printhead. Use solvent* on a cotton swab to clean the printhead from end to end.	After every roll of media.
Platen Roller	Turn the power off. Rotate the platen roller and clean it thoroughly with solvent* and a cotton swab.	After every roll of media.
Media Path	Solvent*	After every roll of media.
Peel/Tear Bar	Solvent*	As needed
Media Sensor	Air blow	Monthly
Exterior	Mild detergent or desktop cleaner.	As needed
Interior	Brush or vacuum cleaner	As needed.

* It is recommended that a solvent containing isopropyl alcohol be used.



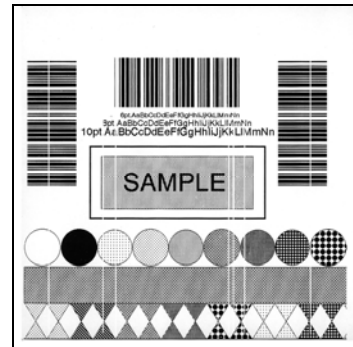
Isopropyl alcohol is a flammable solvent; always take the proper precautions when using this substance.

Proper cleaning is critical. To maintain peak performance of the printer, Datamax-O'Neil offers a complete line of cleaning products including pens, cards, films and swabs. Visit our website at www.datamax-oneil.com to learn more.

4.2 Cleaning the Printhead

If print quality declines (symptoms include non-compliant bar codes, print dropouts, and streaks; see sample label below), the typical cause is debris build-up on the printhead. Furthermore, when the build-up is not removed it may lead to element failure, greatly reducing the service life of the printhead.

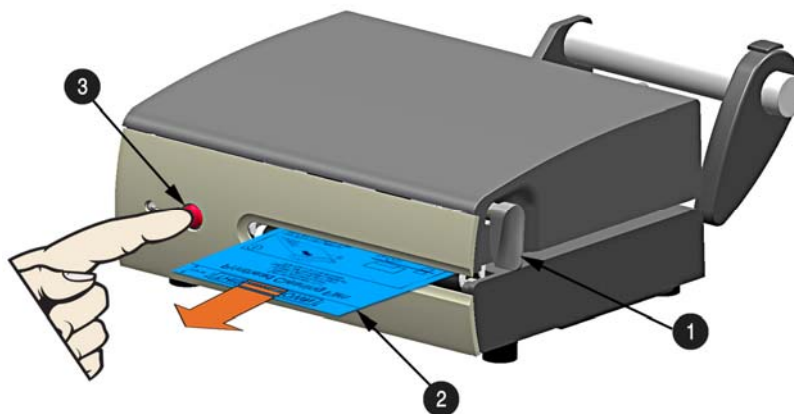
A faulty print quality label (shown). Streaks indicate a dirty or faulty printhead.



4.2.1 Cleaning Film Procedure

To clean the printhead:

1. Turn the Printhead Latch to the unlocked "RELEASE" position. Remove any media installed in the printer.
2. Load the Cleaning Film in the same manner as the media, (see section 2.3).
3. Turn the Printhead Latch to locked "PRINT" position.
4. Press the Control Button several times until the Cleaning Film is fed out of the printer.

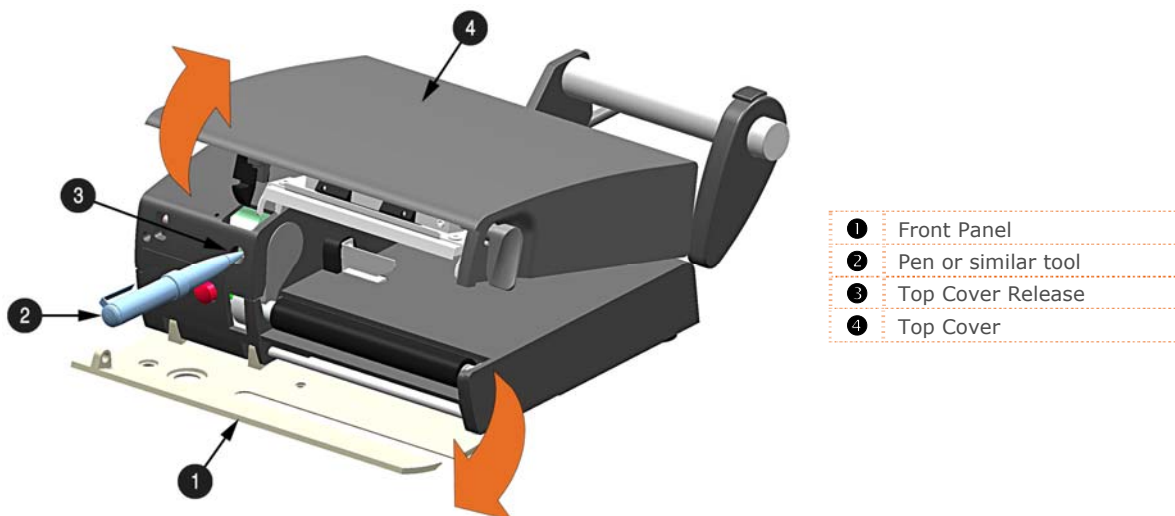


- | | |
|---|-----------------|
| 1 | Printhead Latch |
| 2 | Cleaning Film |
| 3 | Control Button |

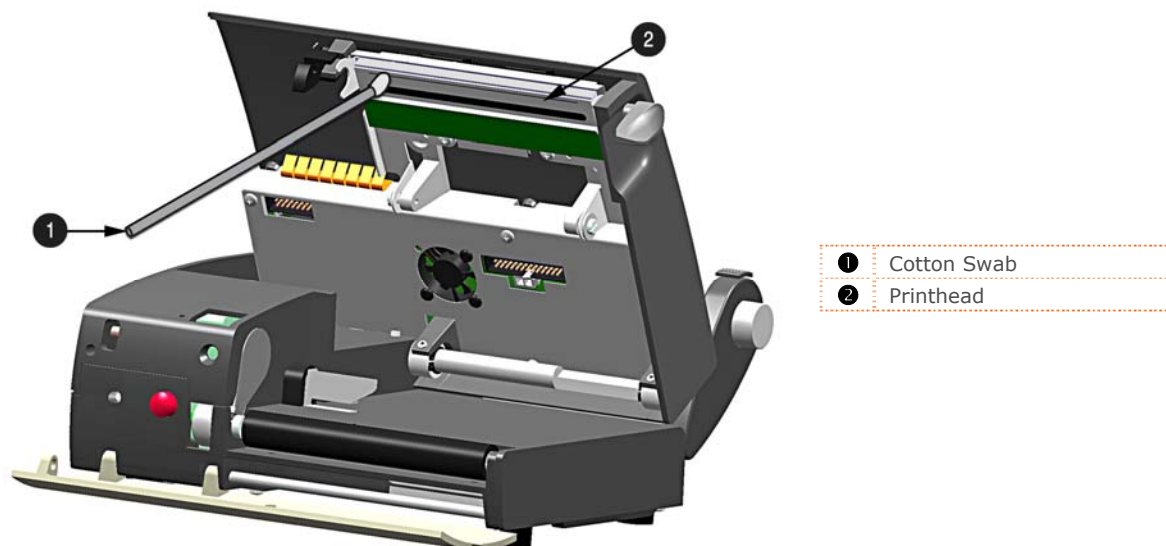
4.2.2 Cotton Swab Procedure

To clean the printhead:

1. Turn 'Off' and unplug the printer. Unlock the printhead latch and remove any media installed in the printer.
2. Lower the Front Panel. **Allow the printhead to cool before proceeding.**
3. Using a Pen or similar tool press in on the Top Cover Release and raise the Top Cover.



4. Using a Cotton Swab moistened, not soaked, with isopropyl alcohol gently wipe away any build-up on the Printhead surface, paying close attention to the burn line. Allow the Printhead to dry.



(cables removed for clarity)

5. Close the Top Cover, push down until it latches closed. Raise the Front Panel and replace the media, return the Printhead Latch back to the locked position.
6. Plug in and turn 'On' the printer. Feed several labels to normalize tracking.

4.3 Printhead Replacement

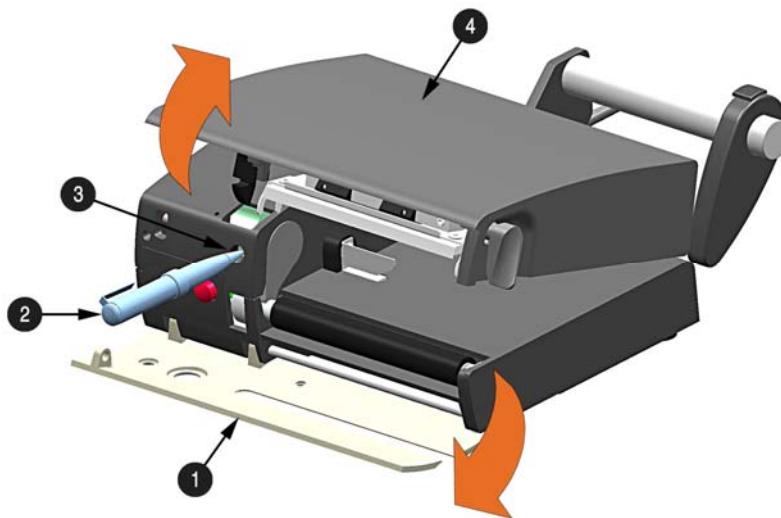
To replace a damaged or worn printhead, follow the procedure below.



Printheads are fragile; use extreme care when handling and never use a sharp object on the surface. If you have questions, contact a qualified technician or Datamax-O'Neil Technical Support before proceeding.

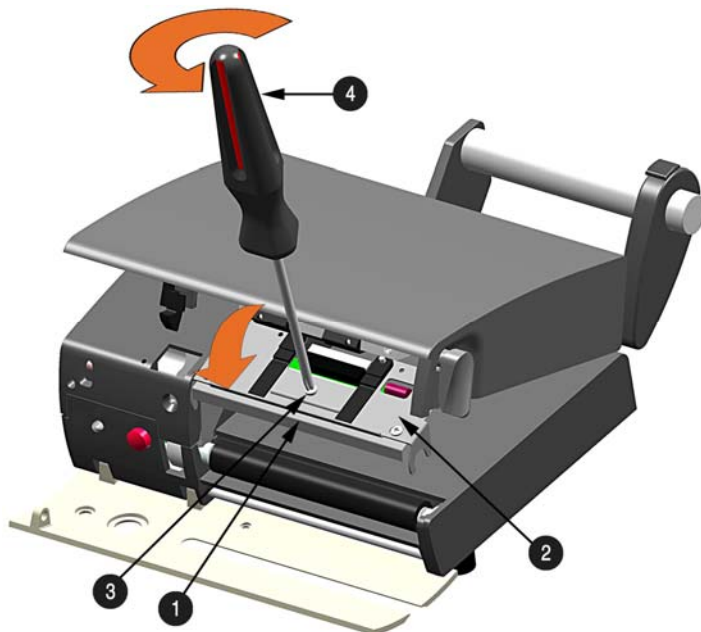
To Remove:

1. Turn 'Off' and unplug the printer. Unlock the printhead latch and remove any media installed in the printer.
2. Lower the Front Panel. **Allow the printhead to cool before proceeding.**
3. Using a Pen or similar tool press in on the Top Cover Release and raise the Top Cover.



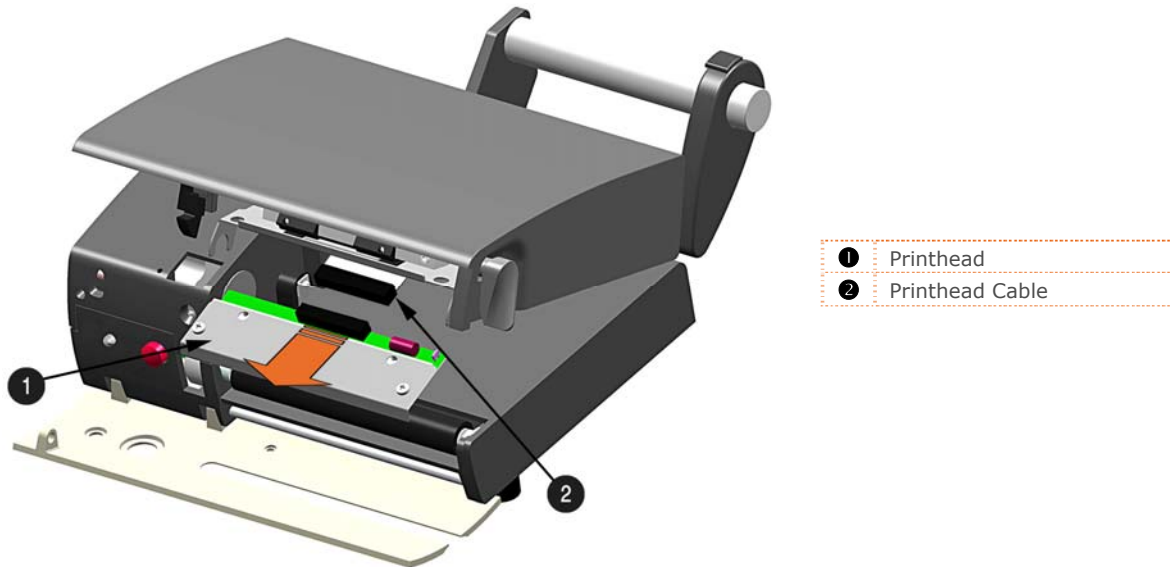
- | | |
|---|---------------------|
| 1 | Front Panel |
| 2 | Pen or similar tool |
| 3 | Top Cover Release |
| 4 | Top Cover |

4. While pressing down on the Printhead Carrier, loosen and remove the Printhead Screw using a Phillips Screwdriver.



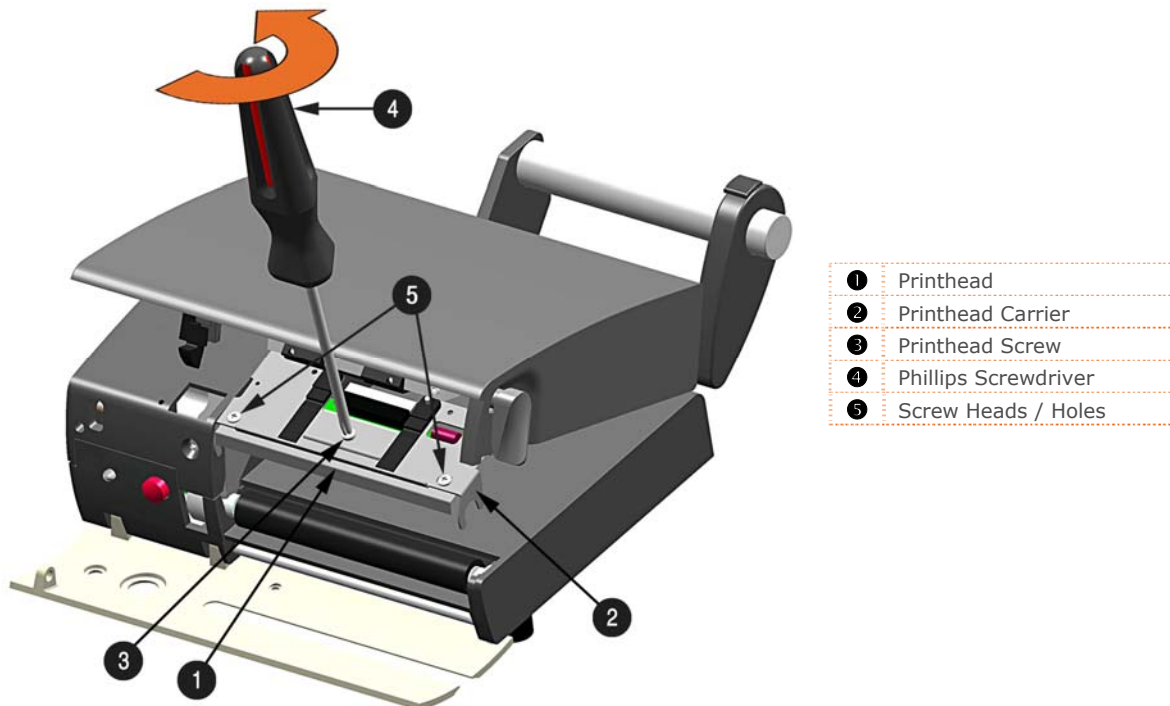
- | | |
|---|----------------------|
| 1 | Printhead |
| 2 | Printhead Carrier |
| 3 | Printhead Screw |
| 4 | Phillips Screwdriver |

5. Disconnect the Printhead Cable from the rear of the Printhead.



To Install:

1. Connect the Printhead Cable to the rear of the Printhead.
2. Position the Printhead into the Printhead Carrier. Be sure the two Screw Heads on the Printhead are located into the Holes of the Printhead Carrier
3. While pressing down on the Printhead Carrier, install and tighten the Printhead Screw using a Phillips Screwdriver.



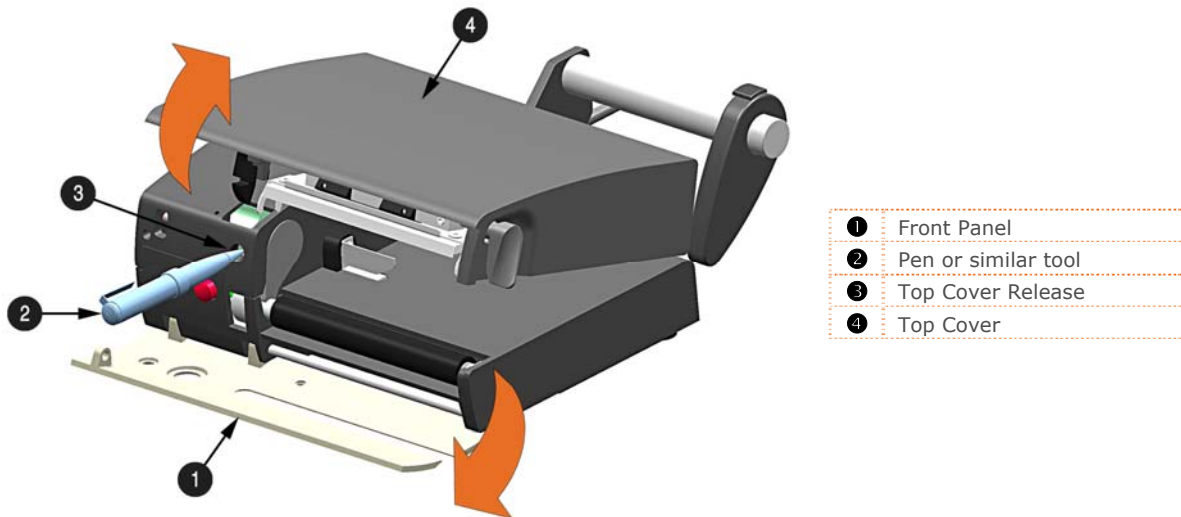
4. It is now recommended to clean the Printhead to remove any oil or dirt from handling. Perform the Printhead Cleaning procedure, (see section 4.2).

4.4 Platen Roller Replacement

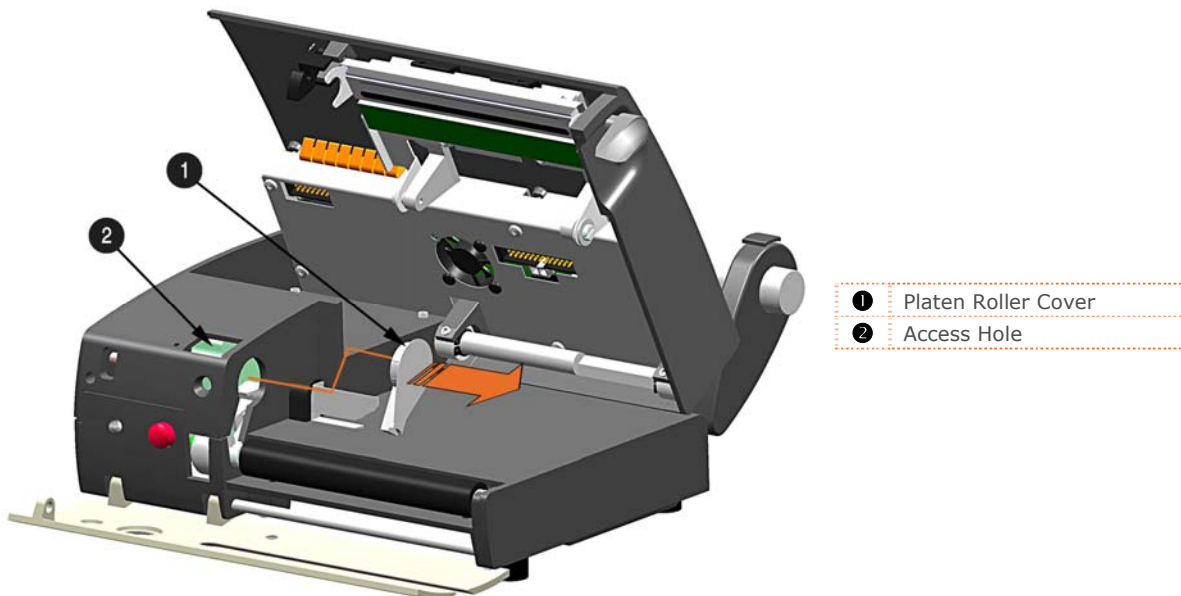
To replace a damaged or platen roller, follow the procedure below.

To Remove:

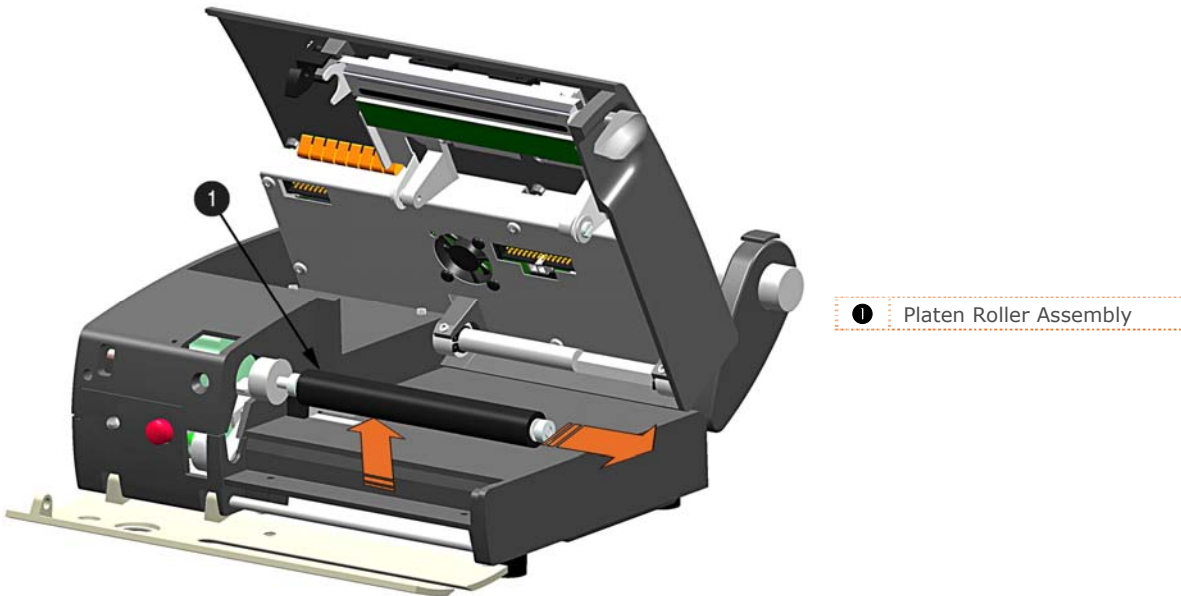
1. Turn 'Off' and unplug the printer. Unlock the printhead latch and remove any media installed in the printer.
2. Lower the Front Panel.
3. Using a Pen or similar tool press in on the Top Cover Release and raise the Top Cover.



4. Insert your finger through the Access Hole and push out the Platen Roller Cover.

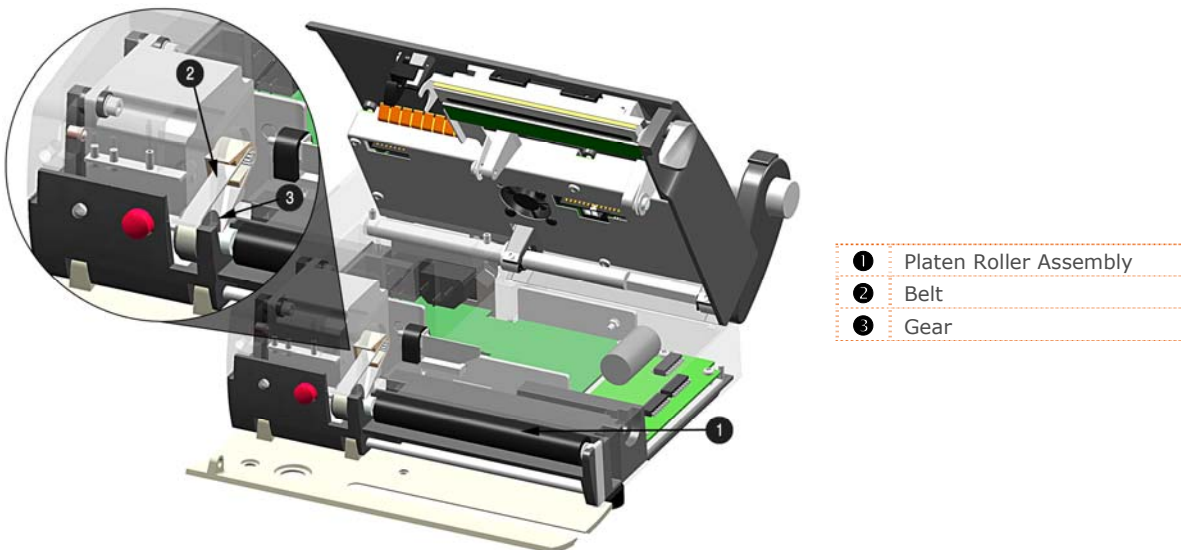


5. Lift the Platen Roller Assembly up and out of the printer



To Install:

1. Insert the new Platen Roller Assembly into position. Be sure the Belt is routed properly around the Gear, this can be viewed through the Access Hole.



2. Re-install the Platen Roller Cover.
3. Close the Top Cover, push down until it latches closed. Raise the Front Panel and replace the media, return the Printhead Latch back to the locked position.
4. Plug in and turn 'On' the printer. Feed several labels to normalize tracking.

4.5 Printhead Pressure Adjustment

To accommodate a variety of media types, printhead pressure is adjustable. This pressure is factory set to work with most media types, so this adjustment should only be performed after attempting to improve print quality through increasing the printer's "Heat" setting or decreasing the "Print Speed" setting.

When adjusting, use only the minimum pressure necessary for better imaging. To adjust:

1. Lower the Front Panel.
2. Load at least 4" (102mm) wide media, see Section 2.3.
3. Print a test label from the host. Choose a label format with content that spans the width of the label.
4. Unlatch the printhead. Turn the Pressure Adjustment Screws counter-clockwise to increase the applied pressure or clockwise to decrease it. Make equal adjustments to each screw to achieve even print contrast across the media.



5. Re-latch the printhead and repeat the test print. Repeat step 4 until an acceptable print has been achieved.

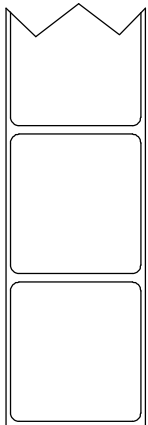
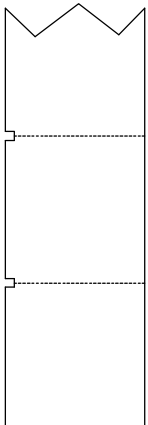
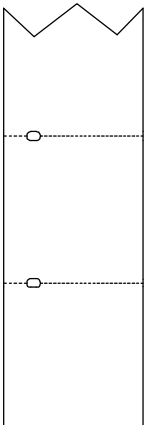
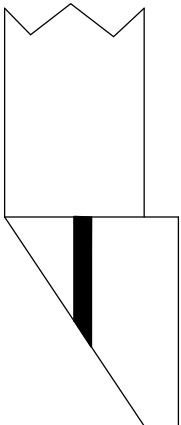
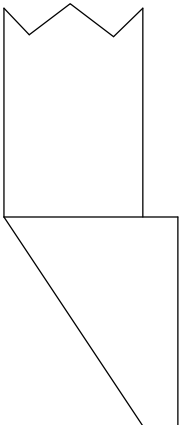


When using narrow media it is necessary to reduce the pressure on the outer (right) Pressure Adjustment Screw and increase the pressure on the inner (left) Pressure Adjustment Screw. This will prevent damage to the exposed areas of the printhead and platen roller.

Excessive pressure can reduce the service life of the printhead and platen roller, while unequal pressure may cause faded print and label tracking problems.

4.6 Media Sensor Configuration

To accommodate a variety of media types the printer is equipped with three sensors. A dual position transmissive sensor (for gap and notch type label media) and a reflective sensor (for "black mark" type label media). Several media types and their proper sensor settings are shown below:

Media Type	Gap Label Media	Notch (Edge) Media	Notch Media	Reflective (Black Mark) Media	Continuous Media
					
Sensor Setting	Gap (Inner or Outer)	Gap (Inner)	Gap (Outer)	BlackMark	Gap (Inner or Outer)* <small>*Requires the "Max Feed" value to be set to the length of the label.</small>

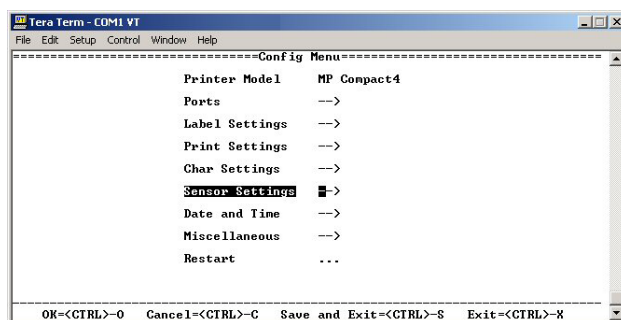
Most applications that use Gap Label Media will use the default setting of "Gap Inner". However if "black mark" or custom notch media is being used this setting must be changed.

To change the Media Sensor setting using the TeraTerm utility:

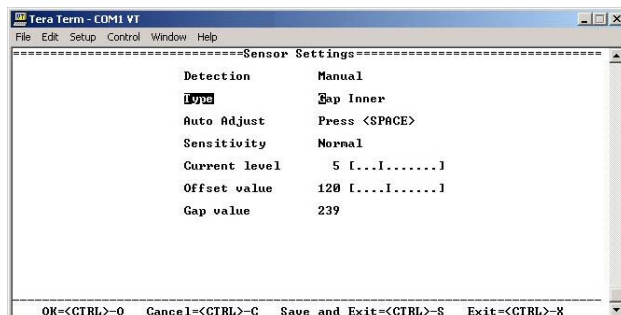


For more information on installing, configuring, and connecting to the printer using TeraTerm, (see Section 3.3).

1. At the prompt type !A <enter>. To display the Config Menu.
2. Use the Down Arrow key and scroll to 'Sensor Settings', then press <enter>.



3. Use the Right Arrow key to select the 'Manual' value for the 'Detection' menu item.
4. Scroll down to the 'Type' menu item, and use the Left and Right arrow keys to select the desired sensor setting.
5. Press <CTRL> S to save the changes and exit the Config Menu.



4.7 Downloading Firmware

The operating firmware for the printer is stored in Flash memory on the Main PCB. When firmware is updated and/or new features are added, they can be downloaded to the printer as follows:

1. Identify the new version for your model of printer from our website at www.datamax-oneil.com and download it onto your computer's hard drive.
2. Ensure that the printer is connected to the host via the serial port and that the power is 'OFF.' Locate the "FlashUp.exe" file and launch the application.
3. When prompted, turn the printer 'ON'. The application will automatically start downloading the new firmware. This process will take several minutes.
4. When completed, a green checkmark will appear. Click the 'Close' button, the application will close and then printer will restart and be ready for use.



A Specifications

Mechanical

Width	9.1" (230mm)
Depth	10.2" (260mm)
Height	4.1" (105mm); <i>Compact4</i> 4.9" (125mm); <i>Compact4 Mobile</i>
Weight	7.7 lbs (3.5kg); <i>Compact4</i> 9.9 lbs (4.5kg); <i>Compact4 Mobile</i>
Operating Temperature	41° F to 104° F (5° C to 40° C)
Humidity	10% – 95% non-condensing
AC Input Voltage	90 - 264VAC, 47-63Hz; <i>Compact4</i> 24 - 48VDC; <i>Compact4 Mobile</i>

Printing

Print Method	Direct Thermal
Print Speed	2 – 4.9 IPS (50 – 125mm/s)
Resolution	200 or 300 dpi (8 or 12 dots/mm)
Tear Bar	Tear Up
DRAM Memory	8MB
FLASH Memory	4MB

Media/Ribbon

Media Types	Roll-Fed, Die-Cut, Continuous, Fan-Fold
Media Width Range	1.58" – 4.5" (40 – 115mm)
Max. Print Width	4.1" (115mm)
Print Length Minimum	.39" (10mm)
Media Thickness Range	0.0023 – 0.0071" (58 – 180µm)
Media Supply Roll Capacity	3.9" (100mm) O.D. on a 1.5" - 3.0" (40 – 77mm) core; <i>Compact4</i> 3.9" (100mm) O.D. on a 1.5" (40mm) core; <i>Compact4 Mobile</i>

Communications

Interface	USB, RS-232 (RJ-45), and 10/100BaseT LAN interface
Baud Speed	300 to 115,000 bits per second (BPS)
Handshaking	Xon/Xoff, CTS, DTR
Parity	Even, Odd, or None
Stop Bits	1 or 2
Data Bits	7 or 8

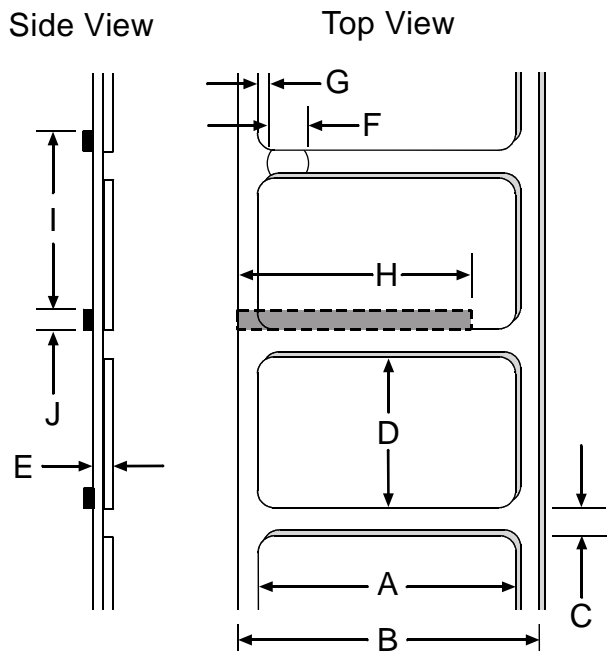
Embedded Fonts and Barcodes

The printer is equipped with the most popular industry fonts and bar codes; see the *Class Series 2 Programmer's Manual* for full listings and detailed information.

Approved Media

To achieve optimum print quality and maximum printhead life, Datamax-O'Neil specifies the use of Datamax-O'Neil brand media. These supplies are specially formulated for use in our printers; use of non-Datamax-O'Neil supplies may affect the print quality, performance, and life of the printer or its components.

For a current list of approved media and ribbons for use in direct thermal and thermal transfer applications, please contact a Media Representative at (407) 523-5650.



Media Dimensions			
Designator	Description	Maximum ^[1]	Minimum ^[1]
A	label width	4.5" (115mm)	1.58 (40mm)
B	liner width	4.5 (115mm)	1.58 (40mm)
C	gap (or notch) between labels ^[2]	.12 (3mm)	.067 (1.7mm)
D	label length ^[2]	-	.39 (10mm)
E	media thickness	.0071 (180µm)	.0023 (58µm)
F	notch opening width		
	Short Sensor	-	.20 (5mm)
	Long Sensor	-	.90 (23mm)
G	distance from the media's edge to the media sensor aperture (left justified)	.08 (2mm)	.067 (1.7mm)
H	reflective (black) mark width ^[1]	4.5 (115mm)	1.58 (40mm)
I	distance between reflective marks ^[2]	-	.39 (10mm)
J	reflective mark length ^[2]	.12 (3mm)	.067 (1.7mm)

^[1] The reflective (black) mark must be carbon based, placed on the backside of the stock, and the reflectance shall be less than 10% at wavelengths of 950 and 640 nm.

^[2] The maximum allowable length of the combined label and gap (or mark) measurement cannot exceed 99.99 inches.

B Ethernet Setup

B.1 Introduction

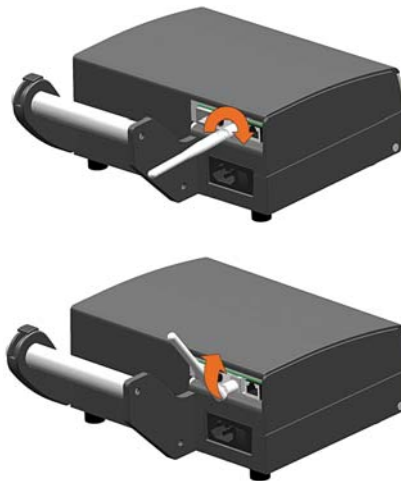


Before connecting Power or interface cables to the printer, ensure the Power On/Off Switch is in the 'Off' position.

Connecting the Antenna (optional)

- > Extend the antenna then align the base to the connector located on the rear of the printer. Turn the base clockwise until fully seated and tight on the connector.
- > Raise and position the antenna.

To avoid permanent damage, do not pull on the antenna when handling the printer..



The Print Server makes IP requests at power-up, so before making a network connection to the printer consider how your IP addressing needs to be assigned. The IP addressing of the Internal Ethernet Print Server can be configured in one of two ways: Using a static IP Address or Using IP Discovery (DHCP, BootP, or RARP).

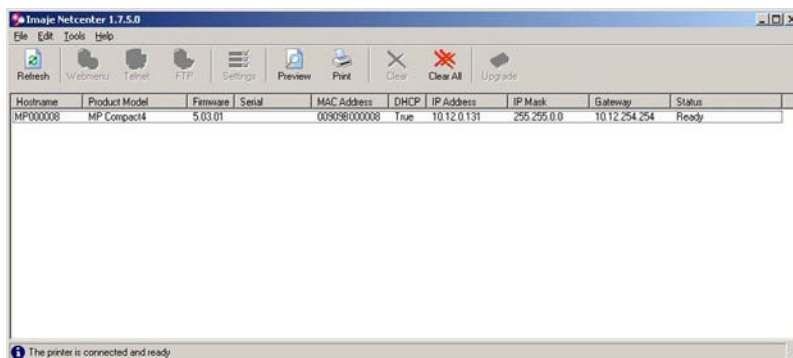
At factory default settings, DHCP is enabled and (if equipped) the Wireless module is disabled.

- With Printer Off, connect the network cable then turn ON Printer.
- The printer will now search for a DHCP server. Allow up to 90 seconds for the printer to retrieve an IP address. If the printer does not receive a response from a DHCP sever it will fallback to a **default IP: 192.168.10.26**.

Wired Ethernet Connection (LAN)

Netcenter (located on the Accessories CD-ROM) is a Windows[®] based configuration utility that allows the user to make changes to the existing printer setup via a network connection. This is a vital tool for the use and configuration of wired and wireless printer setup.

1. After installation, from the Windows Start Menu, navigate to Programs>Imaje NetCenter and launch the program. The application will search for installed printers and display them in the following window



2. Verify the printer has obtained a valid IP address for your network. If the printer was not found or if a valid IP address was not obtained, you must use the **Configuration via Serial Port** procedure.



When multiple printers are displayed, match the MAC address located on the printer's serial label (located on the rear of the printer) with the MAC address displayed in the NetCenter window.

Once the previous steps have been successfully completed you may now use the IP Address to:

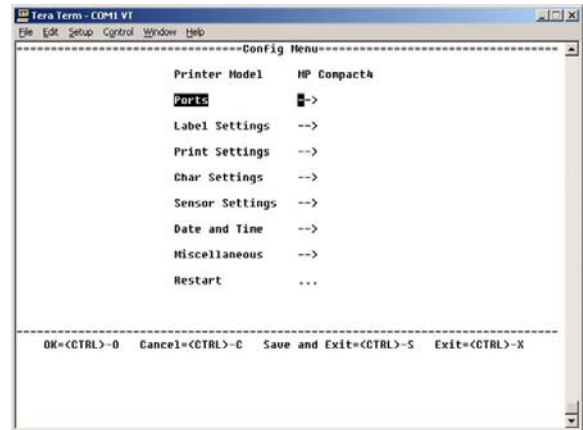
- > Install a printer driver, and start printing from your Windows® applications. The driver is located on the "Accessories CD-ROM" (shipped with the printer).

-or-

- > Browse to the printer's internal web pages for advanced wired configuration or to enable and configure a wireless connection. See section, **Printer's Internal Web Pages**.

Configuration via Serial Port

1. TeraTerm (located on the Accessories CD-ROM) is a Windows based configuration utility that allows the user to make changes to the existing printer setup via a direct connection to the host serial port, or any port with a Windows driver assigned to it. See section 3.3 for installation and configuration information.
2. After the application is started the following window will appear. Navigate to the Ports>Network Settings> menu.



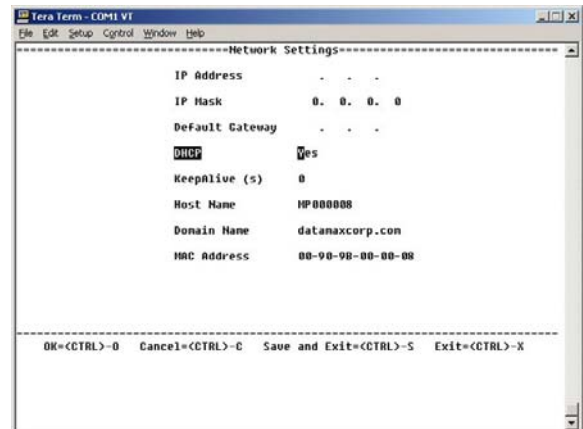
The default settings for the "Tera Term" application are set to use: COM1, 9600 baud, 8 data bits, No parity, 1 stop bit. Be sure your printer matches these settings. If you must change the COM port select 'New Connection' from the "File" drop down menu within the Tera Term application.

Tera Term Navigation

Keyboard	Action
Enter/Return	Enters the selected item sub level
ESC	Moves up one sub-level
Up and Down Arrow	Scrolls to each available item
Left and Right Arrows	Toggles through available settings for a given item

Wired Configuration

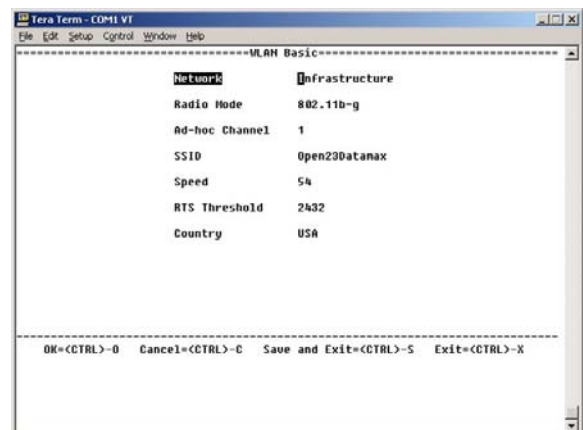
3. If a DHCP server is not available a static IP must be used. To use a static IP address navigate to the Ports>Network Settings> menu. Set the DHCP item to "NO" and then set the desired values for IP address, IP Mask and Gateway.



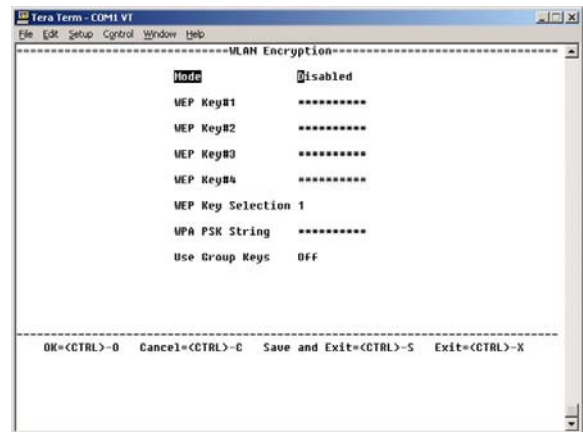
Wireless Configuration

4. Navigate to the Ports>WLAN>WLAN Basic> menu. The following settings will work for most configurations.

Network	Infrastructure
Radio Mode	802.11b-g
SSID	Set the SSID to match that of the access point the printer will connect to.



5. If your network requires the use of security, these settings can be found in the Ports>WLAN>WLAN Encryption> menu.



6. Once all configuration changes have been made press "CTRL-S" to save your settings and exit the menu. When prompted to restart the printer, press "Y".
7. Once the printer has restarted, turn OFF the printer. Close the Tera Term application and remove the serial cable from the printer.
8. Turn on the printer. The printer should now connect to the configured access point or wired IP.

Once the previous steps have been successfully completed you may now use the IP Address to:

- > Install a printer driver, and start printing from your Windows[®] applications. The driver is located on the "Getting Started CD-Rom" (shipped with the printer).

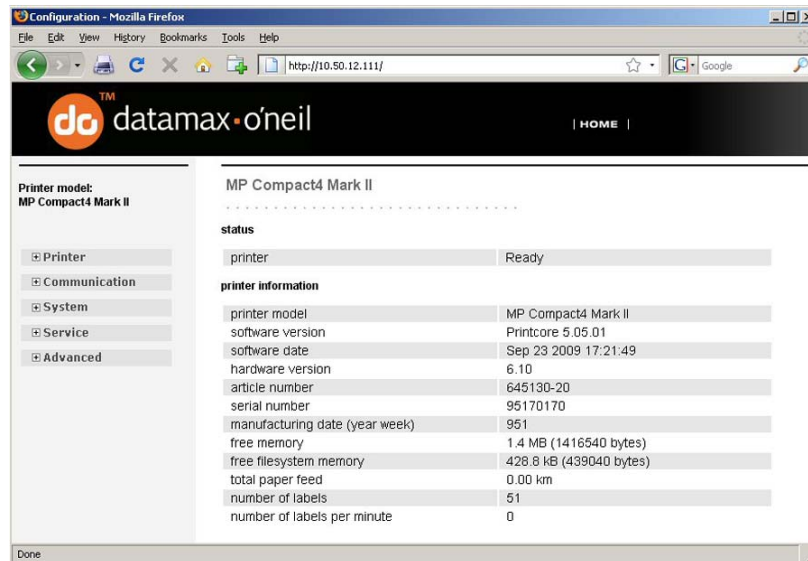
-or-

- > Browse to the printer's internal web pages for advanced configuration. See section, ***Printer's Internal Web Pages.***

B.2 Printer's Internal Web Pages

Open your web browser. Type in the IP Address assigned to the printer.

The following page will appear:



The printer's internal web pages are divided into multiple pages that are accessible via the navigation bar on the left-hand side.

The **Communication** menu tab contains many items associated with the setup of the network card as well as wireless security settings.



You must click the "Apply" button on each page after a setting is changed. The printer will prompt for a password to change any settings, the default password is left blank.



After changes are sent to the printer, (on all web pages) the printer must be restarted in order for the changes to take effect. This can be done from the "Restart" menu item.



If any address parameters were changed such as IP address, subnet or gateway, the printer might not be viewable from the current host if they are no longer on the same subnet.

