

Table of Contents

User Manual





1. Introduction

- 2. Safety
- **3. Product Presentation**

4. Product Overview

- 4.1 In the Box
 - 4.2 Printer Parts MP Nova4, 6 & 8 DT
 - 4.3 Opening and Closing the Cover of MP Nova4, 6 & 8 DT
 - 4.4 Printer Parts MP Nova4 & 6 TT
 - 4.5 Opening and Closing the Cover of MP Nova4 & 6 TT

×

5. Getting Started

- 5.1 Overview
- 5.2 Overview Peel-Off
- 5.3.1 Inserting Media MP Nova4 & 6
- 5.3.2 Inserting Media MP Nova8
- 5.4 Inserting Media Peel-Off Kit
- 5.5 Inserting Ink Ribbon
- 5.6 Connecting
- 5.7 Test Print & Sensor Auto Adjustment



6. Operation

- 6.1 Tearing the Media
- 6.2 Interpreting the Status Lamp LED
- 6.3 Media Positioning Sensor Settings
- 6.4 Adjusting the Print Head

7. Maintenance

8. Troubleshooting



×

×

9. Changeable Parts

9.1 Replacing the Roller9.2 Replacing the Print Head



- 10. Printer Options and Spare Parts 10.1 Pell-Off Kit, LTS & 215 mm Kit
 - 10.2 Consumables & Spare Parts



- **11**. Consumables (Media General)
- **12.** Technical Specification

Download from Www.Somanuals.com. All Manuals Search And Download.

1. Introduction

Conditions

© Copyright Datamax Corporation 2006

The MP Nova printers with their unique technology have been developed to offer a range of different applications. Thank you for choosing an Datamax printer for your business needs. The high quality, user-friendliness and simple maintenance procedures of the MP Nova direct thermal (DT) and thermal transfer (TT) printers make them the perfect choice. ×

Manufacturer Address:

Datamax Corporation

4501 Parkway Commerce Boulevard Orlando, Florida USA 32808 Phone (407) 578-8007 Fax (407) 578-8377 http://www.datamaxcorp.com

Conditions

Datamax reserves the right to change specifications in both the text and illustrations without prior notice. The contents of the publication may not be copied, either wholly or in part, without permission from Datamax.

Datamax is not responsible for any direct, indirect, specific, accidental or resultant injuries caused by a fault with the machine system or software, or by an error in the accompanying documentation. In particular, Datamax cannot be held responsible for any program or data stored or used with Datamax's products, including the cost of recovering such programs or data.

Item number: 540430

2. Safety Safety & Certification



Safety Requirements

Datamax disclaims all responsibility regarding the CE directive if the printer is used, altered or installed in any way other than described in this manual.



This symbol is used to indicate circumstances that may be dangerous to the user or that cause damage to the equipment.

Please Note the Following Warnings:

- Never use sharp or pointed tools when cleaning or replacing the print head.
- Remember to handle the print head with care.
- Don't use any sharp objects to remove labels from the print roller.
- The MP Nova printers have double fuses. The fuses are rated at 250 volt, 4.0 A, AT-type. Fuses must be UL-approved.
- The circuit board contains a battery. Used batteries should be disposed of in accordance with the manufacturer's instructions.
- Please read all instructions before using the printer for the first time.

Download from Www.Somanuals.com. All Manuals Search And Download.

2. Safety

Safety & Certification

- The printer should be connected to the power supply indicated on the voltage plate. If you are unsure of the type of power supply available, please contact Datamax service personnel.
- The printer is equipped with a plug suitable for earthed sockets. This is a safety measure. If the plug does not fit the power socket, a qualified electrician must replace it.
- We do not recommend the use of extension cables.

The power cable must not be subjected to pressure. Ensure that the printer is not placed anywhere where the cable can be stood on.

- Check that the power switch is off (in the '0' position) before connecting the power cable.
- Do not use liquids or aerosols when cleaning this printer. Always use Datamax's special cleaning cloths.
- Do not attempt to open the electronic unit or other sealed parts! The user cannot service these parts.
- Never use sharp or pointed tools when cleaning or replacing the print head.
- Do not use cables that exceed 5 meters in length for RS232-communication. Signals may be corrupted or lost as a result. This is particularly important in environments where there are high levels of electrical interference.
- Disconnect the power to the printer and call in qualified personnel under the following conditions:
 - The power cable or plug is damaged or worn.
 - Liquid has been spilled on the printer.
 - Rain or water has got into the printer.
 - The printer is not functioning correctly despite that the user has followed the instructions for use.
 - You have dropped the printer or the casing has been damaged.
 - The printer is not functioning correctly and requires service.



2. Safety

Safety & Certification

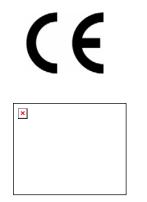


Machine Sign

Certification and Approvals

2. Safety Safety & Certification





The MP Nova printers are certified in accordance with the requirements for CE marking. **CE = European Commission**

The MP Nova printers are UL-approved. **UL = Underwriter Laboratories USA**

CE Standards & Directives

MP Nova printers are subject to the following standards:

In accordance with European directives applicable to the products, that is to say:

- With the electromagnetic compatibility directive EMC Directive 89/336/CEE with the European standards which are its technical answer.
- With the Low Voltage Directive 93/68/CEE and with the European standards which are its technical answer.

The above referenced product bears the CE mark.

3. Product Presentation The MP Nova Series

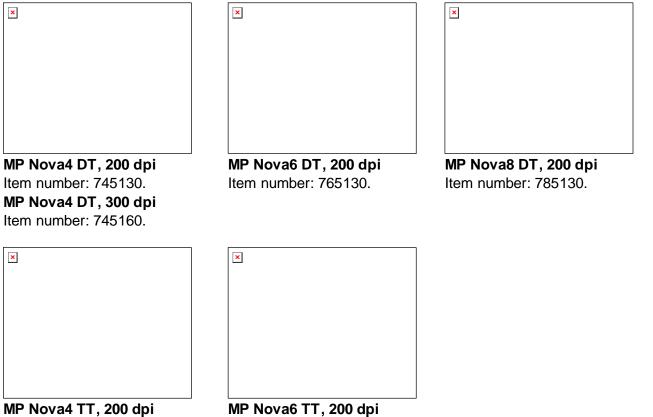


Datamax achieves diversity with its thermal printers, the MP series. Powerful and intelligent with a multitude of functionality you would not expect from one of the smallest printers on the market.

They are built on a platform with advanced software, offering wide possibilities from simple local solutions to integrated solutions working over Internet.

Typical Applications: Manufacturing Warehousing Healthcare Transport Ticketing

Printer Models



MP Nova4 TT, 200 dpi Item number: 745140. MP Nova4 TT, 300 dpi Item number: 745165. MP Nova6 TT, 200 dpi Item number: 765140.

4.1 In the Box

×



MP Nova4 DT & MP Nova6 DT

The following items should be included in the box when you receive your new MP Nova4 DT or MP Nova6 DT printer:

1. 1 x MP Nova4 DT or MP Nova6 DT 2. 1 x Cleaning cloth

- 3. 1 x Communication cable (Serial RS 232)
- 4.1 x Power cable
- 5.1 x Media roll
- 6.1 x Getting Started CD



4.1 In the Box

×

MP Nova4 TT & MP Nova6 TT

The following items should be included in the box when you receive your new MP Nova4 TT or MP Nova6 TT printer:

1.1 x MP Nova4 TT or MP Nova6 TT

- 2.1 x Cleaning cloth
- 3. 1 x Communication cable (Serial RS 232)
- 4.1 x Power cable
- 5.1 x Media roll
- 6. 1 x Getting Started CD
- 7.1 x Ink ribbon, loaded in the machine

4.1 In the Box



MP Nova8 DT

The following items should be included in the box when you receive your new MP Nova8 DT printer:

×	
x MP Nova8 DT	
x Cleaning cloth	
1 x Communication cable (Serial RS 232)	

- 4.1 x Power cable
- 5.1 x Fan-folded media
- 6. 1 x Getting Started CD
- 7. 1 x Allen key (2 mm) mounted underneath the fan-fold steering

4.2 MP Nova4, 6 & 8 DT – Printer Parts





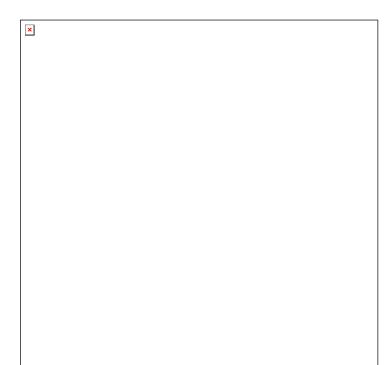
- 1. Print button
- 2. Status lamp (LED)
- 3. Cover
- 4. Media roll
- 5. Roll steering
- 6. Roll guide lock
- 7. Media track
- 8. Handle



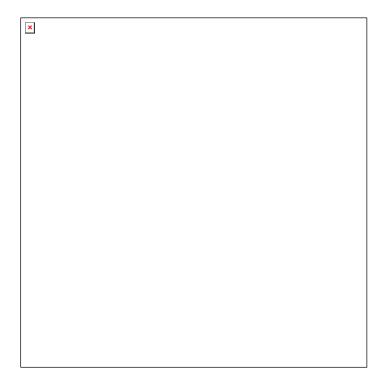
- 9. Communication ports
- 10. Unroll shaft
- 11. Power connection
- 12. Power switch
- 13. Fan-fold steering (MPNova8)
- **14.** Allen Key (2 mm), mounted underneath the fan-fold steering (MPNova8)

4.2 MP Nova4, 6 & 8 DT – Printer Parts



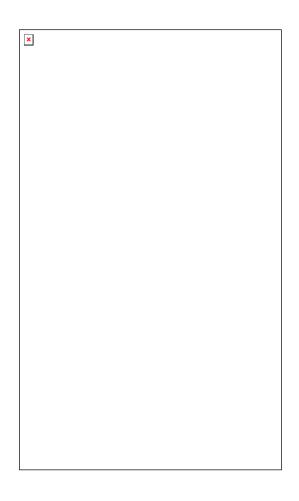


- 15. Print head
- 16. Print roll
- 17. Media Positioning Sensor (MPS)
- 18. Paper guide
- 19. Outer plate holder



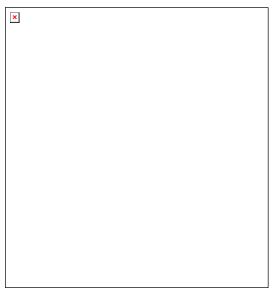
4.3 Opening and Closing the Cover

Open MP Nova4, 6 & 8 DT



1. Pull handle.

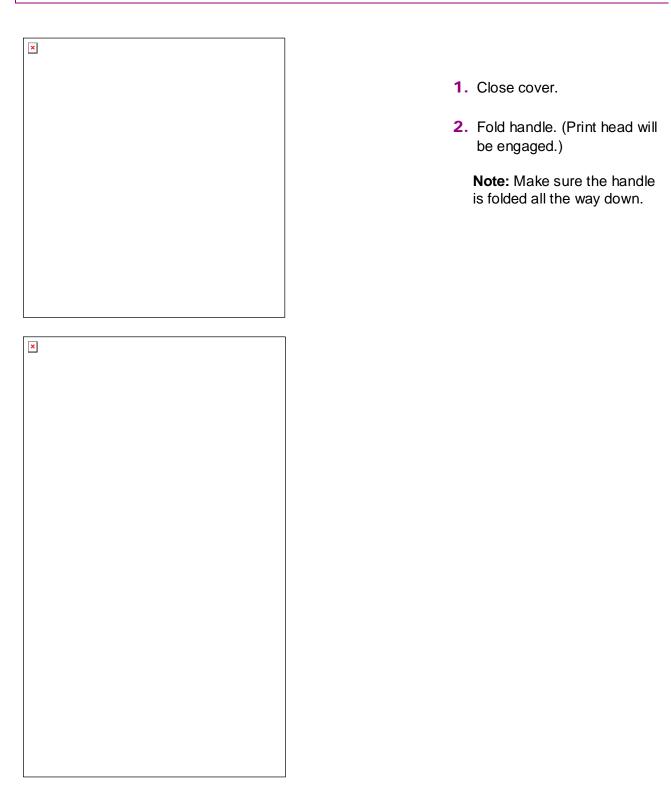
2. Open cover.





4.3 Opening and Closing the Cover

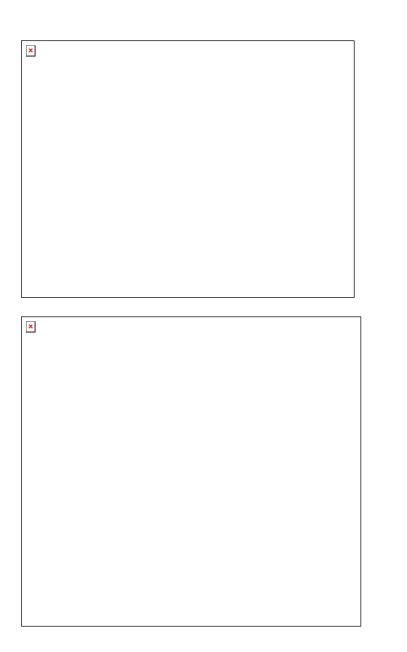
Close MP Nova4, 6 & 8 DT





4.4 MP Nova4 & 6 TT – Printer Parts

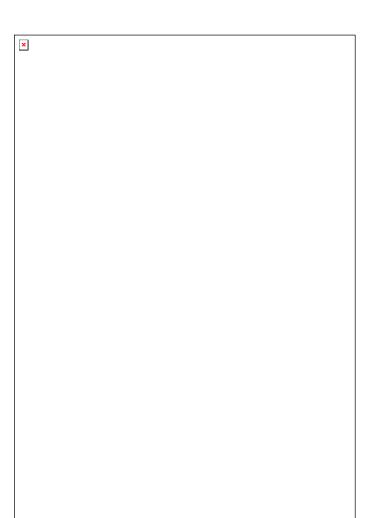




- 1. Print button
- 2. Status lamp (LED)
- 3. Front cover
- 4. Rear cover
- 5. Media roll
- 6. Roll guide lock
- 7. Roll steering
- 8. Media track
- 9. Handle
- 10. Ink ribbon guide
- 11. Rewind spool
- **12.** Unwind spool

4.4 MP Nova4 & 6 TT – Printer Parts



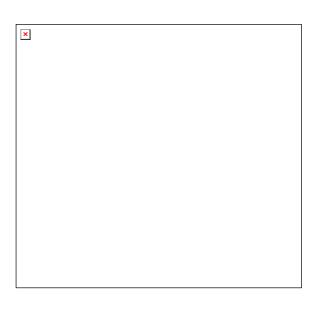


- **13.** Communication ports
- 14. Unroll shaft
- 15. Power connection
- 16. Power switch

4.5 Opening and Closing the Cover



Open MP Nova4 & 6 TT



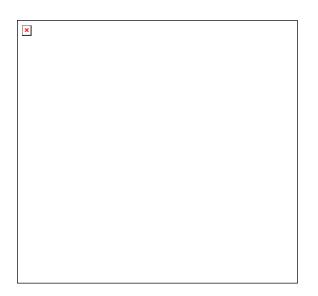
 Open cover. The inner cover slides automatically up together with the cover.

×			

4.5 Opening and Closing the Cover

Close MP Nova4 & 6 TT





1. Close cover. The inner cover slides automatically down together with the cover.

×			

5.1 Overview

×

MP Nova4, 6 & 8 DT

1. Insert media, MPNova4 & 6 DT, see chapter 5.3.1

Insert media, MPNova8 DT, see chapter 5.3.2



2. Connecting, see chapter 5.6.

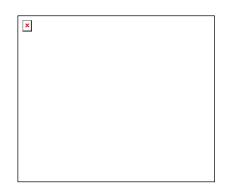
3. Run a test print, see chapter 5.7.

×

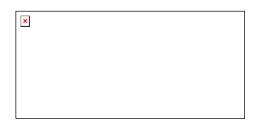
×

MP Nova4 & 6 TT

- 1. Insert media. See MP Nova4 & 6 DT (no 1) in the left column.
- 2. Insert ink ribbon, see chapter 5.5.



3. Connecting, see chapter 5.6.



4. Run a test print. See MP Nova4 & 6 DT (no 3) in the left column.

5.2 Overview Peel-Off

MP Nova4 & 6 DT Peel-Off

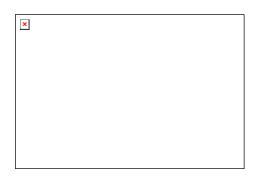
1. Insert peel-off media, see chapter 5.4



2. Connecting, see chapter 5.6.



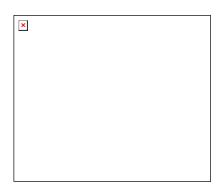
3. Run a test print, see chapter 5.7.



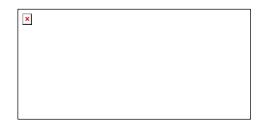
MP Nova4 & 6 TT Peel-Off

×

- Insert peel-off media. See MP Nova4 & 6 DT Peel-off (no 1) in the left column.
- 2. Insert ink ribbon, see chapter 5.5.

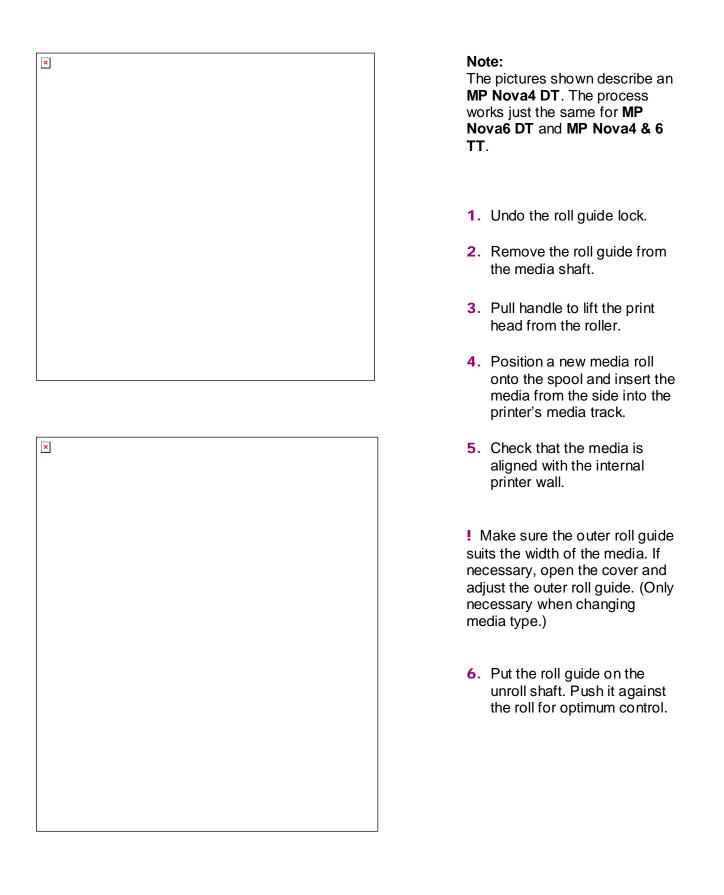


3. Connecting, see chapter 5.6.



4. Run a test print. See MP Nova4 & 6 DT Peel-off (no 3) in the left column.

5.3.1 Inserting Media MP Nova4 & 6



5.3.1 Inserting Media MP Nova4 & 6

×

 Lock the roll guide lock (turn the handle clockwise). The roll steering shall guide the roll, but shall not be tight.

×

Note:

If the roll guide lock cannot be properly tightened (**Note:** not too tight), lift the lock upwards, rotate it back half a turn, lower it and retighten.

- 8. Fold the handle (the print head folds automatically onto the roller).
- 9. Press the print button a few times until the printer automatically finds the correct position of the media.

Note:

If necessary, make a test printout and auto adjust the media positioning sensor as described in chapter 5.7.

10. If you have an:

MP Nova4 or 6 DT: go to Test Print, chapter 5.7.

MP Nova4 or 6 DT Peel Off: go to Inserting Media Peel-Off Kit, chapter 5.4.

MP Nova4 or 6 TT: go to Inserting Ink Ribbon, chapter 5.5.

MP Nova4 or 6 TT Peel Off: go to Inserting Media Peel-Off Kit, chapter 5.4.

×

5.3.2 Inserting Media MP Nova8 DT

Adjusting the Fan-Fold Steering

Note:

It is only necessary to adjust the fan-fold steering when changing media type.

- An Allen key (2 mm) is mounted underneath the fanfold steering.
- 2. Loosen the Allen screw to unlock the fan-fold steering.
- **3.** Position the fan-fold steering to fit the width of the media.
- **4.** Tighten the Allen screw to lock the fan-fold steering in its new position.
- 5. Replace the Allen key.

5.3.2 Inserting Media MP Nova8 DT

Inserting Media

×	 Pull handle to lift the print head from the roller. Insert the media through the fan-fold steering and through the printer.
	Note: Make sure the fan-fold steering suits the width of the media. To adjust the steering se previous page. Make sure the media is placed so that it will feed easily into the printer.

×

5.3.2 Inserting Me

Cu	
edia MP Nov	a8 DT
	3 . Pull out some of the media.
	 Fold the handle (the print head folds automatically onto the roller).
	 Press the print button a few times until the printer automatically finds the correct position of the media.
	Note: If necessary, make a test printout and auto adjust the media positioning sensor as described in chapter 5.7.

×

5.4 Inserting Media – Peel-Off Kit

Note:

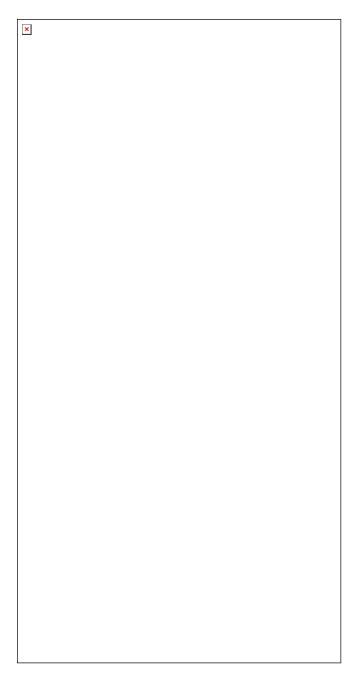
The pictures shown describe an **MP Nova4 DT Peel-Off**. The process works just the same for **MP Nova4 & 6 TT Peel-Off & MP Nova6 DT Peel-Off**.

×

First insert media. The peel-off media inserts in the same way as the media described in chapter 5.3.1.

- 1. Lift the handle and then pull, 40 cm of the label roll, out of the printer.
- 2. Fold the handle.
- **3.** Remove all the labels on the exposed section.
- 4. Pull the backing paper under the printer.
- Fold 2 cm of the backing paper to make it slide more easily into the rewind unit slot

5.4 Inserting Media – Peel-Off Kit



6. Open the rewind unit slot by turning the knob clockwise while holding the cylinder firmly.

×

7. Slide the backing paper into the rewind unit slot.

×

5.4 Inserting Media – Peel-Off Kit

8. Close the rewind unit slot by turning the knob counterclockwise while holding the cylinder and backing paper firmly.

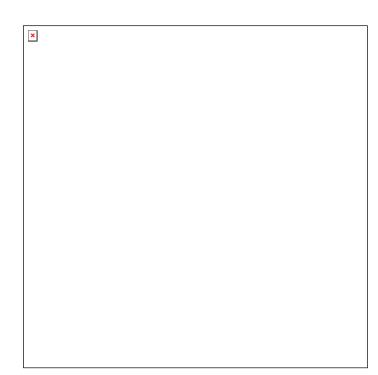
×

- 9. Roll the backing paper around the rewind unit by turning the knob counterclockwise. This increases the tension of the backing paper.
- **10.** Press the print button a few times until the printer automatically finds the correct position of the media.

Note:

If necessary, make a test printout and auto adjust the media positioning sensor as described in chapter 5.7.

5.5 Inserting Ink Ribbon – MP Nova4 & 6 TT

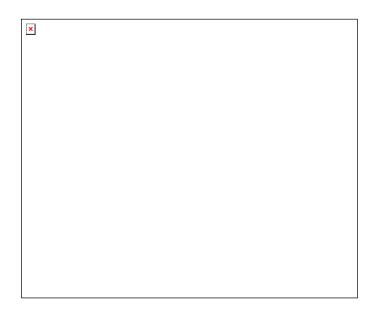


1. Undo the handle and open the cover.

×

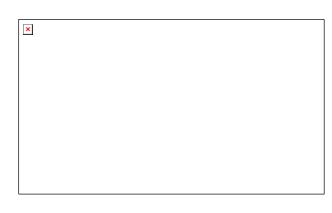
- 2. Remove the old ink ribbon.
- 3. Slide the new ink ribbon on to the spool.
- **4.** Feed the ink ribbon under the print head.

Note: Check that the inked side of the ribbon is facing downwards.



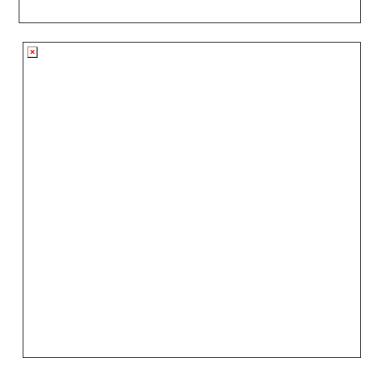
×

5.5 Inserting Ink Ribbon – MP Nova4 & 6 TT



5. Note: The ink ribbon must not pass under the MPS (Media Positioning Sensor).

- 6. Move the empty roll, which will collect the used ink ribbon, up and around the print head.
- **7.** Slide the roll onto the take up spool.







- 8. Fold the handle.
- Press the print button. The ink ribbon will automatically wind around the rewind spool, thus tensioning the ink ribbon.
- 10. Close the cover.

5.6 Connecting

×

Note: This process works for all the MP Nova printers.

×

- Make sure the printer is switched off (the power switch is set to '0').
- 2. Connect the communication cable from the PC to the printer. The connection cable enclosed is designed for communication port COM 1 and COM 2.



Note: Check that the cable is connected to the correct communication port (COM1, COM2, USB or LAN).

- **3.** Connect the printer to the mains supply.
- 4. Switch on the printer.
- 5. Wait until the lamp has turned green.

Download from Www.Somanuals.com. All Manuals Search And Download.

×

5.7 Test Print & Sensor Auto Adjustment



To be sure the printer is working, and to adjust the media positioning sensor, MPS, to the media, make a test printout:

×

- 1. Switch off the printer.
- Press the print button. Switch on the printer and keep pressing the print button until the whole printout is printed and then for another 7 seconds. This will start the sensor auto adjustment. Release the print button when auto adjustment starts.
- 3. Restart the printer to exit test print mode. The new settings are saved automatically.

Note: If the patterns at the bottom of the test printout are missing, you released the print button too soon. Repeat the process.

- **4.** If the text and the patterns look nice, the printout is ok.
- 5. To skip the test print, turn off the printer and wait 15 seconds before switching it on again.

In case of any trouble, go to Troubleshooting, chapter 8, for further information.

4. Operation4.1



6. Operation

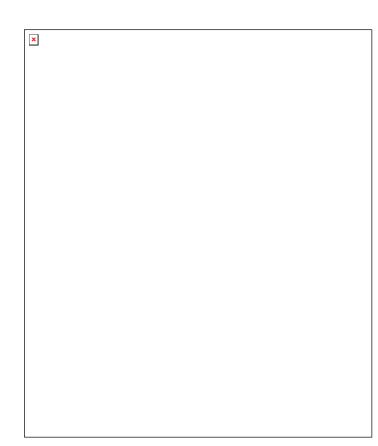
6.2 Interpreting the Status Lamp - LED



× Red End of media roll, end of ink ribbon or the handle is not folded down. Note: The handle has to be folded all the way down. Red (flashing) System temperature too high, printer has entered cool down state Yellow Printer is starting up or is in test print mode. Note: Restart the printer to exit test print mode. Green Ready to print

6. Operation

6.3 Media Positioning Sensor Settings



Sensor mode	Approximate sensor reading point, from edge of media.
1. Outer (default)	16 mm
2. Inner	5 mm
3. Black mark	5 mm

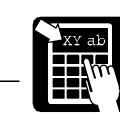
×

The MP Nova printers are equipped with media positioning sensors (MPS). The MPS detects the media and can be set to three different modes depending on how and where gaps and marks are positioned on the media:

- Outer sensor mode detects label gaps about 16 mm from the edge of the media.
 Note: This is the default setting.
- Inner sensor mode detects label gaps about 5 mm from the edge of the media.
- Black mark sensor detects black marks on the reverse side of the media, about 5 mm from the edge of the media.
- **4.** To change the settings, see the Printer settings menu on the Getting started CD.

Note: Changes in the printer settings should be made by qualified personnel.

For more information about ticket, tag and label specifications, see the Media specification sheet.



6. Operation

6.4 Adjusting the Print Head



Adjusting Print Head Position

×

Note:

These adjustments are only necessary when changing to media with different thickness or width. The pictures shown describe an **MP Nova4 DT**. The process works the same for **all MP Nova printers**.

Changing the position of the adjustment screws can be necessary if the labels are very narrow

- 1. Check that the printer is turned off. Open the cover and fold the handle.
- 2. Loosen the upper nut of the adjustment screw you want to move by turning it counter-clockwise.
- Slide the adjustment screw into a new position and tighten the upper nut. Pull the handle if sliding the adjustment screw past the finger nut.
- 4. Note: When tightening the upper nut. Make sure it is pressing the sliding rail against the bottom of the notch and not against the lower nut.
- 5. The adjustment screws should make the print head press evenly onto the media. Make test prints to find the correct positions.

6. Operation

6.4 Adjusting the Print Head



6. Note: MP Nova4 DT only. On the MP Nova4 DT the position of the print head itself can be changed. As default there is a 3 mm non-printable area on the left side. To be able to print all the way to the edge of the label the margin has to be set to

0 mm. Pull the handle. Loosen the finger nut and slide the print head into position. Tighten the finger nut.

Adjusting Print Head Pressure

×

- 7. To increase the pressure on the print head, turn the lower nuts downwards (clockwise). This will tighten the spring.
- 8. To decrease the pressure on the print head, turn the lower nuts upwards (counter-clockwise).

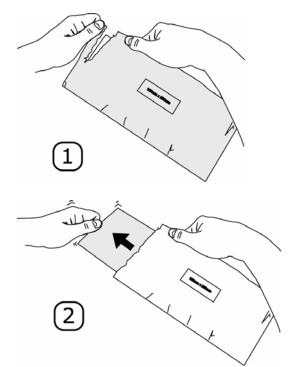
Note:

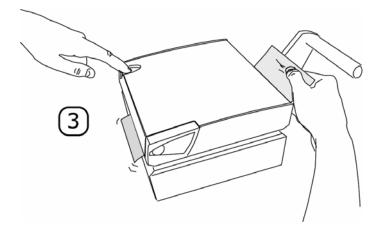
To much pressure might damage the print head or make it wear out faster. The pressure should be as light as possible while maintaining high quality printing. Make test prints to find correct pressure.

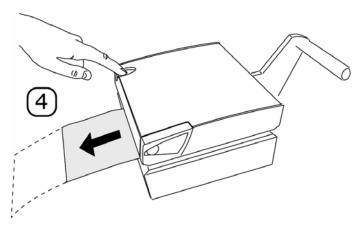
7. Maintenance

Cleaning the Print Head and Roller









Only use cleaning cloths from Imaje. These are specially designed for cleaning Imaje thermal printers. See chapter 10.2 for correct type.

Note:

Frequent cleaning prevents print head and roller damage, and is especially important in demanding environments.

- Do not use liquids or aerosols when cleaning this printer.
- Never use sharp or pointed tools when cleaning or replacing the print head.
- Don't use any sharp object to remove labels from the print roller.

Remove all media before starting:

- 1. Tear the bag.
- 2. Pull out the cleaning cloth.
- Pull the handle and feed the cloth into the printer in the same way as inserting the media (described in chapter 5.3). Fold the handle and press the printkey.
- **4.** Keep the printkey pressed and let the cloth pass through the printer. (This cleans the *print head*.)

Note: If the roller is clogged with labels it can easily be removed for cleaning (see 9.1).

Download from Www.Somanuals.com. All Manuals Search And Download.

8. Troubleshooting



To Begin With

When troubleshooting the Nova printer, it is necessary to narrow down the various possible causes of faults: does the printer, the media or the application software cause the fault? A simple way of beginning your troubleshooting is to carry out a test print, which provides valuable information about the printer, for example if:

- The printer can feed the media
- The printer can print
- It shows which program version, typeface, etc. is installed.
- It shows communication parameters and settings
- It shows the quality of printouts.

Test Print

The printer has two different test modes for test printouts. We recommend you to use continuous paper (minimum width 100 mm) for the test printouts.

Preparations

Before you request a test printout, check that:

- The printer is loaded with paper
 - (preferably continuous paper)
- The printer has been turned off for at least 15 seconds.

Interpretation of the Test Labels

The values shown in the test printout are default values set at delivery. It may be necessary to alter some values before final installation. The procedures for changing values are found in the Labelpoint manual.



					Test Me	thoc
Instructions There are three different funct described below. 1) Hex dump mode. Press and hex started to envir When finite	ionalities for this printout, as hold printkey until printer settings ched, a heading named 'Hez dump'				A printout us printer's para example: da communicat typefaces ar	ameter te, time ion set
will be printed. Everything sent printed as hexadecimal values 2) Test pattern. Press and hold	t on the COM1 port will then be in realtime. I printkey until first test pattern each time the printkey is pressed				1. Switch o	ff the p
3) Auto adjust sensor. Press ar starts. This will occur 7 secon	ad hold printkey until auto adjust ds after which the test pattern has ttings will be saved automatically.				2. Press the release i	•
	using the printer's default speed is displayed below are, however, liguration.					
General Date (dd/mm/yyyy) Time (24h) Printer Program Version	27/06/2003 10:38:52 4.74.07				 Switch o the print 	•
Printer Part Number Printer Serial Number CPU Board Program Version CPU Board Type CPU Board Serial Number	745130.01 0038435 4.00.15 5.00 023008				4. Keep the the printe	
Print Settings Print Head Strobe Time Print Width Print Speed Dispensing Feed	Rohm KF 418 (203 dpi) 350 µs 104 mm 150 mm/s 6.0 mm				pattern. 5. Then, re	lease t
Reverse Feed Labelpoint Settings Command Character End of line Character Character Set	0.0 mm 11 (33) Auto (CR, CR/LF or LF) CP-1252, Windows Latin 1					
COM1 Settings Port Settings Port Mode	9600, none, 8, 1, 'b' Printer				Test Patt	ern
COM2 Settings Port Settings Port Mode	9600, none, 8, 1, 'b' Printer				The method	1 test
Network Settings IP Address IP Mask Gateway Host Name	DHCP DHCP DHCP MP0059e0 imaje.com				with three di provide infor	
Domain Name MAC Address Installed Fonts Font number: 94021 Font number: 94023 Font number: 94029 Font number: 94029 Font number: 94029 Font number: 92501 Font number: 92504 Font number: 92505 Font number: 92505 Font number: 92505	Univers Medium Univers Bold Univers Bold Univers Condensed Bold CG Times CG Times Bold CG Times Bold				head If on distir	ther al l are fu e or mo nct whi pattern
	ttem is printed using the current ted above) but without historic	333				ther th drical a ion.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		***		***	com	ther th
		156	1234567890	123		test pa s wher

#### 1 d 1

est method 1 shows the ers and settings, for ne, program version, ttings and which ilable.

- printer.
- button, but do not
- printer without releasing n.
- button depressed until rts printing the test
- the print button.

print produces a pattern t fields. These fields n about:

- all the dots on the print unctioning correctly. nore dots are missing, a ite line appears in the n.
- he roller is perfectly and is in the correct
- he print head is parallel with the roller. attern is lighter in those ere the roller is not perfectly cylindrical or where the print head is not completely parallel with the roller.



#### Instructions

There are three different functionalities for this printout, as described below.

 Hex dump mode. Press and hold printkey until printer settings has started to print. When finished, a heading named 'Hex dump' will be printed. Everything sent on the COM1 port will then be printed as hexadecimal values in realtime.

2) Test pattern. Press and hold printkey until first test pattern has started to print. Then, for each time the printkey is pressed a copy of that test pattern will be printed.

3) Auto adjust sensor. Press and hold printkey until auto adjust starts. This will occur 7 seconds after which the test pattern has been printed once. The new settings will be saved automatically.

NOTE: This section is printed using the printer's default speed and strobe. The settings displayed below are, however, the current printer configuration.

#### General

Date (dd/mm/yyy) Time (24h) Printer Program Version Printer Part Number Printer Serial Number CPut-O-ard-Orogram Version 27/06/2003 10:38:52 4.74.07 745130.01 0038435 4.00.15

#### installed ronts

Font number: 94021	Univers Medium
Font number: 94023	Univers Bold
Font number: 94029	Univers Condensed Medium
Font number: 94030	Univers Condensed Bold
Font number: 92500	CG Times
Font number: 92501	CG Times Italic
Font number: 92504	CG Times Bold
Font number: 92505	CG Times Bold Italic
Font number: 93779	Letter Gothic Bold
Font number: 90249	Cornel

Hex dump

```
21 2f 20 76 65 72 73 69 6f 6e 20 31 0d 0a 21 59 (!/ version 1..!

33 35 20 31 30 0d 0a 21 43 0d 0a 21 56 33 31 39 (35 10..!C..!V31

34 20 30 0d 0a 21 2f 20 76 61 72 20 31 20 22 22 (4 0..!/ var 1 *

20 22 56 31 22 20 22 22 0d 0a 21 2f 20 6c 61 62 ( *V1 * * ..!/ 1a

6f 6c 20 22 4c 61 62 65 6c 31 22 20 22 22 02 2c (el *Label1 * **

22 20 22 48 65 45 6c 22 20 22 22 03 62 05 32 0( * HeE1 * ** 6 S

23 33 03 00 31 31 30 30 20 33 00 20 30 00 do a (2300 1100 30 0.

21 43 0d 0a 21 59 32 34 20 36 30 0d 0a 21 59 31 (!C..!Y24 60..!Y

30 30 20 30 0d 0a 21 59 33 35 20 31 30 0d 0a 21 (00 0..!Y35 10...

46 20 53 20 53 20 32 31 30 31 20 38 39 39 20 4
```

#### **Test Method 2**

**Note:** This method is only for advanced troubleshooting by service technicians.

This shows all information sent to the printer in hex-code and the function is used to determine possible communication faults, since it is possible to see exactly what data the printer receives.

- 1. Switch off the printer.
- 2. Press the print button, but do not release it.
- Switch on the printer without releasing the print button.
- Release the print button when the printer starts printing.

The printer starts by printing information as in test method 1. It then stops and will continue printing once the data is sent to the printer. By checking the received data, you can determine whether character received agree with the Label pointcommands and the transferred ASCIIcharacters.

Differences between the received signals and the transferred characters may be due to incorrect parameters (e.g. Baud rate) or the presence of electrical inference during the transfer. Check the communication cable, the length of the cable and whether or not the cable is close to power cables.

#### **Cancelling Test Methods**

To cancel the test methods, turn the printer off and wait 15 seconds before switching it on again.

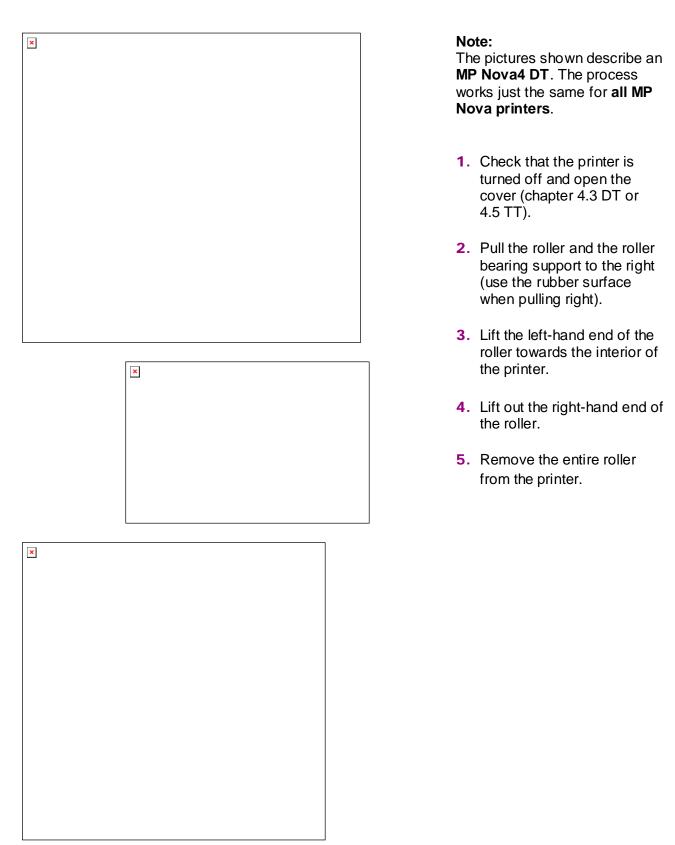
### **Troubleshooting Schedule**

Status		Error		Measure
No printout	⇔	The print head is not in position (status lamp is red)	⇔	Check the level, fold down the print head (DT, TT)
	⇔	Incorrect media	⇔	Check the media, replace media (chapter 5.3)
	仓仓仓	Incorrect or no data TT- instead of DT- media Ink ribbon is inserted with inked side facing upwards		Check all cables Replace media (5.3 or 5.4) Load the Ink ribbon correctly (inked side facing downwards) (chapter 5.5)
Status lamp is red	⇔	End of media roll, end of ink ribbon or the handle is not folded down	⇔	Check the media, the ink ribbon and that the handle is folded
Status lamp is flashing red	⇔	System temperature too high, printer has entered cool down state	⇒	Wait
Smudged printout	⇔	Damaged roller	⇔	Replace roller (chapter 9.1)
Black or white lines	⇒	Damaged print head	⇔	Replace print head (9.2)
Faint printout	仓仓 仓仓	Dirty print head Incorrect parameter settings Incorrect media Incorrect head pressure	仓仓 仓仓	Clean print head (chapter 7) See 'Printer settings' on the Getting Started CD Replace media (5.3 or 5.4) Adjust Print Head (6.4)
Uneven white lines	⇔	Ink ribbon is creased	⇔	Have the printer serviced to adjust the Ink ribbon mechanism
	⇔	Incorrect Ink ribbon	⊳	Replace with correct type of Ink ribbon (chapter 5.5)
Printout too dark	⇔	Incorrect parameter settings	⇔	See 'Printer settings' on the Getting Started CD

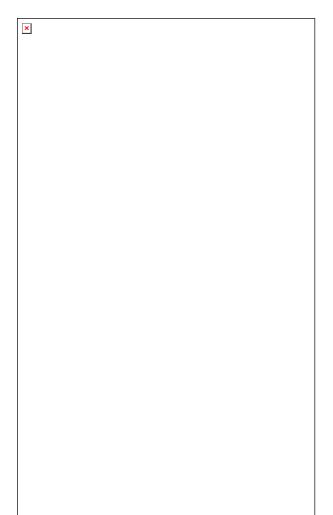


## 9.1 Replacing the Roller

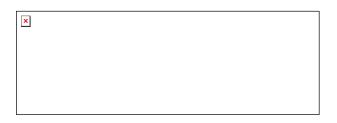




## 9.1 Replacing the Roller



- 6. Pay carefully attention to the drive belt when removing the left-hand end of the roller from the printer.
- 7. Unpack the new roller.



# 9.1 Replacing the Roller



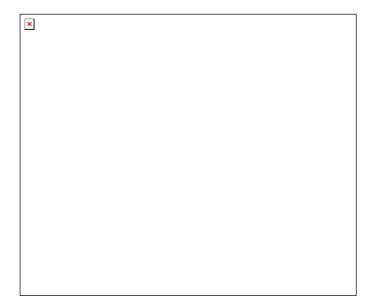


8. Insert the left-hand end of the roller (the end with the cog wheel). Check that it fits inside the drive belt.

## 9.1 Replacing the Roller



- **9.** Insert the right-hand end of the roller into position.
- **10.** Push the left-hand end of the roller downwards into the notch until the roller is parallel with the edge of the printer.



## 9.1 Replacing the Roller

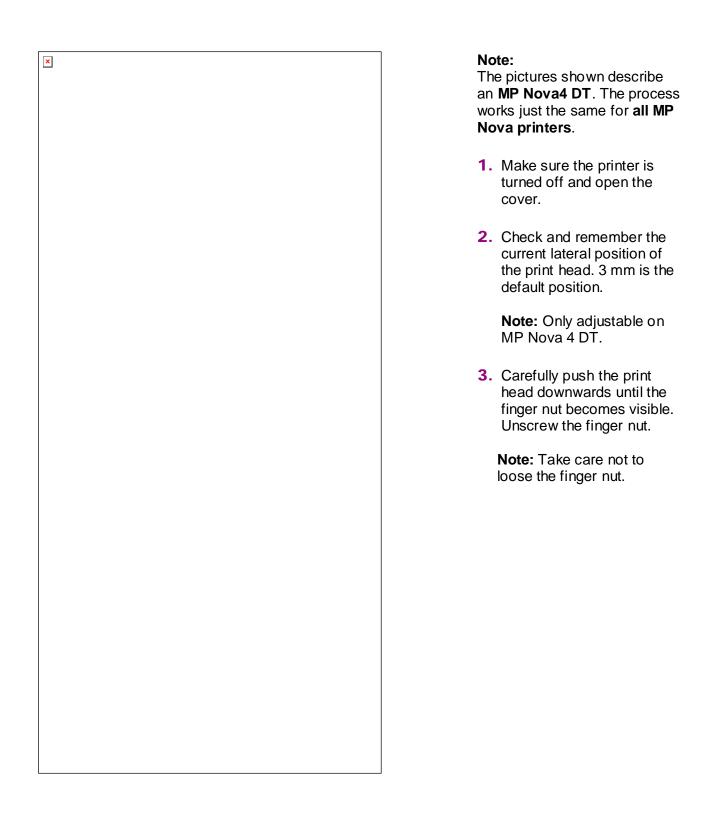




- **11** and **12** Push the roller slightly to the left so that the left-hand end slots into the groove.
- **13.** Close the cover (chapter 4.3 DT or 4.5 TT).
- **14.** Switch on the printer.

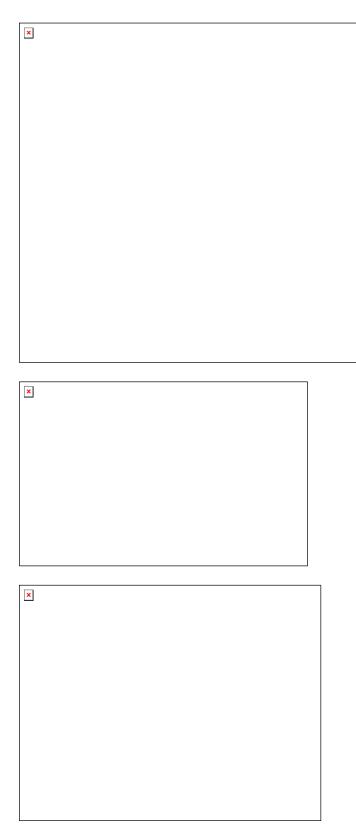
## 9.2 Replacing the Print Head





## 9.2 Replacing the Print Head





- 4. Carefully remove the print head.
- 5. Carefully remove the cables from the back of the print head.

**Note:** There is a "button" on top of the right cable. Push the "button" before removing the cable.

## 9.2 Replacing the Print Head



×			

6. Unpack the new print head and attach the cables to the new print head.



Remember to handle the print head with care!

7. Carefully insert the print head into position.



## 9.2 Replacing the Print Head



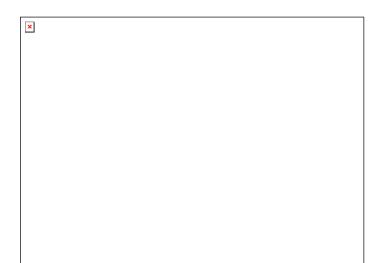
- Check that the lateral position has not changed. 3 mm is the default position.
   Note: Only adjustable on MP Nova 4 DT.
- 9. Hold the print head in place and tighten the finger nut.
- **10.** Close the cover (chapter 4.3 DT or 4,5 TT).
- **11.** Switch on the printer.

# **10. Printer Options and Spare Parts**

### **10.1 Printer Options**

### Peel-Off Kit

#### MP Nova4 & 6 DT, MP Nova4 & 6 TT



## Item number: 533541 Nova4 533542 Nova6

×

The peel-off device separates the labels from the backing paper, which is rolled up behind the printer.

### LTS - Label Taken Sensor

#### MP Nova4 & 6 & 8 DT, MP Nova4 & 6 TT



#### Item number: 533625-01

The Label Taken Sensor (LTS) is often used in association with the Peel-Off Kit. Printing is controlled by a photocell. A new label is only printed once the previous label has been removed from the sensor.

Download from Www.Somanuals.com. All Manuals Search And Download.

## **10. Printer Options and Spare Parts** 10.1 Printer Options

¥	
^	

### 215 mm Kit

#### MP Nova4 & 6 DT, MP Nova4 & 6 TT

#### Item number: 533615

The 215 mm Kit makes it possible to use media rolls with diameters up to 215 mm.

## **10. Printer Options and Spare Parts** 10.2 Spare Parts

×

Consumables	Part number	Description
	i alt liumber	Description
×	501933	1. 10 x Cleaning cloths (4")
	501934	1. 50 x Cleaning cloths (4")
	501935	1. 10 x Cleaning cloths (6")
	501936	1. 50 x Cleaning cloths (6")
	501937	1. 10 x Cleaning cloths (8")
	501938	1. 50 x Cleaning cloths (8")
×	533529	2. Print head – 200 dpi – MP Nova4 DT
	533667	2. Print head – 300 dpi – MP Nova4 DT
	533529	2. Print head – 200 dpi – MP Nova4 TT
	533667	2. Print head – 300 dpi – MP Nova4 TT
	533640	2. Print head – 200 dpi – MP Nova6 DT
	533640	2. Print head – 200 dpi – MP Nova6 TT
	531675	2. Print head – 200 dpi – MP Nova8 DT
×	533530	3. Print roll – MP Nova4
	533636	3. Print roll – MP Nova6
	533607	3. Print roll – MP Nova8
	533616 532089	MPS - Media Positioning Sensor Media guide – Lockable
Cables		
	502542	Cable – Serial - (RJ45)
	000554	Power cable - Europe
	001464	Power cable - UK
	001463 502543	Power cable – USA & Canada USB cable
Optional		
	533625-01	LTS Kit (Label Taken Sensor)
	533541	Peel-Off Kit – Nova4
	533542 533615	Peel-Off Kit – Nova6 215mm Kit
	00010	

Download from Www.Somanuals.com. All Manuals Search And Download.

## 11. Consumables

## Media General

Self-adhesive labels are backed with silicon-coated backing paper, from which the label is removed. There are different types of adhesive:

- Tickets are printed on non-adhesive paper, which means there is no need for backing paper.
- Both labels and tickets are available as rolls or as fan-folded continuous paper tracks. Fan-folded labels and tickets are supplied in boxes, in which labels are stored before passing through the printer.
- Perforations are used to divide labels and tickets. This makes them easier to tear after printing.
- In order to start and stop the media during the print process, the printer is equipped with a detector that senses any gaps or black marks.

For more detailed information about media and consumables, we recommend you read Datamax's 'CONSUMABLES' document (currently only available in English).

#### MP Nova4 DT, Nova6 DT & Nova8 DT

The MP Nova DT printers use direct thermal media, such as labels, paper and tickets.

Direct thermal media is made of special paper that reacts to heat and printouts are often black. Different paper qualities are available.

### MP Nova4 TT, Nova6 TT

The MP Nova TT uses a special ink ribbon, which transfers ink to media (receiver) when subjected to heat. Labels printed using the thermal transfer method shows a greater resistance to heat and UV-light.

## **12. Technical Specifications**

MP Nova4 DT & TT

Dimensions (H x W x L)	DT: 150 x 232 x 360 mm (6" x 9½" x 14½") TT: 210 x 250 x 360 mm (8¼" x 9½" x 14½")
Weight	DT: 5.8 kg (12 lbs), TT: 7.2 kg (15 lbs)
Power pack	100/240V AC 50-60 Hz, 325 VA
Printer technology	Direct thermal and thermal transfer
Printing width	104 mm (41⁄8")
Printing speed	DT: 80 – 250 mm/second, TT: 80 – 250 mm/second
Printing resolution	200 dpi / 300 dpi
Media specifications	Width: 40 mm – 115 mm (1½" – 4½") Length: 10 mm (¾") – unlimited Thickness: 58 μm – 180 μm
Media types	Roll or fan-folded paper External diameter of roll: max 215 mm (8½") Inner core of roll: min 37 mm (1½") in diameter
Ink ribbon, TT	Max width of roll: 110 mm (4¼") Inner core diameter of roll: 25 mm (1") Max length: 300 m (328 yards)
Connections	2 x RS232 ports (up to 115 kBps) USB-port Ethernet port (TCP/IP [LPD, R Telnet])
Typefaces	10 scalable typefaces 13 scalable, emulated typefaces Supports true type typefaces
Barcodes	Most common barcodes including two-dimensional. Examples: EAN128, Interleaved 2 of 5, Code 39 and PDF417
Graphics	Supports several file types
Settings program	Internal program using web browser, Telnet or hyperterminal
Counters	10 internal counters
Memory	2 Mb standard RAM
Time and date	Internal clock, real-time
Print head diagnostic	PHD (Print Head Diagnostic)

×

#### ×

# **12. Technical Specifications**

MP Nova6 DT & TT

Dimensions (H x W x L)	DT: 150 x 292 x 360 mm (6" x 11½" x 14 ½") TT: 210 x 310 x 360 mm (8⅓" x 11⅛" x 14 ⅛")
Weight	DT: 6.8 kg (15 lbs) TT: 8,2 kg (16,5 lbs)
Power pack	100/240V AC 50-60 Hz, 325 VA
Printer technology	Direct thermal and thermal transfer
Printing width	168 mm (65⁄ึв")
Printing speed	DT: 80 – 200 mm/second, TT: 80 – 200 mm/second
Printing resolution	200 dpi
Media specifications	Width: 40 mm – 175 mm (1½" – 6¾") Length: 10 mm (¾") – unlimited Thickness: 58 μm – 180 μm
Media types	Roll or fan-folded paper External diameter of roll: max 215 mm (8½") Inner core of roll: min 37 mm (1½") in diameter
Ink ribbon, TT	Max width of roll: 174 mm (6⅔") Inner core diameter of roll: 25 mm (1") Max length: 300 m (328 yards)
Connections	2 x RS232 ports (up to 115 kBps) USB-port Ethernet port (TCP/IP [LPD, R Telnet])
Typefaces	10 scalable typefaces 13 scalable, emulated typefaces Supports true type typefaces
Barcodes	Most common barcodes including two-dimensional. Examples: EAN128, Interleaved 2 of 5, Code 39 and PDF417
Graphics	Supports several file types
Settings program	Internal program using web browser, Telnet or hyperterminal
Counters	10 internal counters
Memory	2 Mb standard RAM
Time and date	Internal clock, real-time
Print head diagnostic	PHD (Print Head Diagnostic)

#### ×

## **12. Technical Specifications**

# MP Nova8 DT

Dimensions (H x W x L)	DT: 150 x 345 x 360 mm (6" x 13½" x 14%")
Weight	DT: 7.0 kg (15,5 lbs)
Power pack	100/240V AC 50-60 Hz, 325 VA
Printer technology	Direct thermal
Printing width	216 mm (8½")
Printing speed	Up to 150 mm/second
Printing resolution	200 dpi
Media specifications	Width: 150 mm – 230 mm (5 ⁷ ⁄₃" – 9") Length: 10 mm (¾") – unlimited Thickness: 58 µm – 180 µm
Media types	Fan-folded paper
Connections	2 x RS232 ports (up to 115 kBps) USB-port Ethernet port (TCP/IP [LPD, R Telnet])
Typefaces	10 scalable typefaces 13 scalable, emulated typefaces Supports true type typefaces
Barcodes	Most common barcodes including two-dimensional. Examples: EAN128, Interleaved 2 of 5, Code 39 and PDF417
Graphics	Supports several file types
Settings program	Internal program using web browser, Telnet or hyperterminal
Counters	10 internal counters
Memory	2 Mb standard RAM
Time and date	Internal clock, real-time
Print head diagnostic	PHD (Print Head Diagnostic)

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com