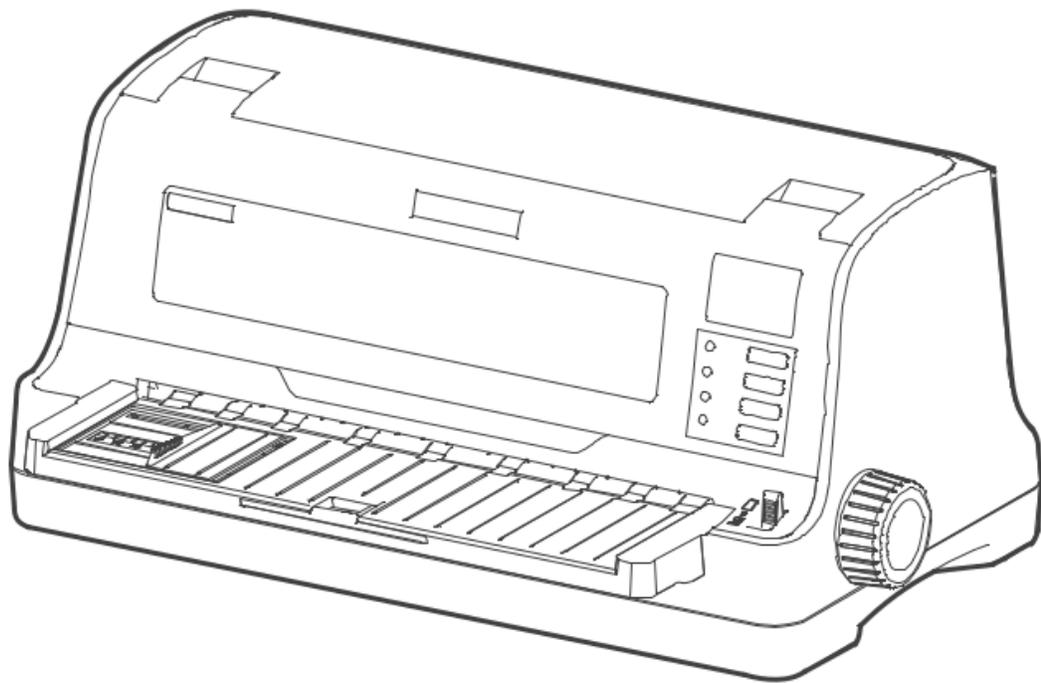




Documax 6390
24-Pin Dot Matrix Printer
User's Guide



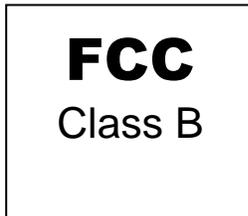
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Regulatory Statement:



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.



16PU
NWGQ
E247562
120VAC ~ 60Hz ~ 1.0A



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Safety Instructions

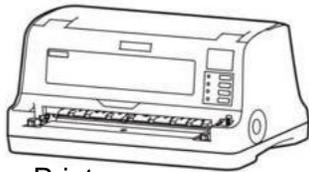
Read all these instructions carefully and thoroughly, save them for later reference. The unauthorized operation would lead to printer malfunction or accident. Manufacturers have no responsibilities for the problems which are led by unauthorized operations.

- ❖ *Follow all warnings and instructions in the manual as well as marked on the product.*
- ❖ *Do not touch the print head if the printer has just been recently used as the print head may be hot.*
- ❖ *Do not put your fingers under the left or right tractor sprockets when installing the tractor paper.*
- ❖ *Unplug this product from the power outlet before cleaning. Do not use chemicals like alcohol to clean the printer. Use a damp cloth for cleaning.*
- ❖ *Please don't use the printer near water.*
- ❖ *Slots and openings on the printer (the back, sides or bottom) are provided for ventilation. To ensure reliable operation of the product and to protect it from overheating, do not block or cover these openings. Do not place the printer on a bed, sofa, rug or other similar surfaces in case of blocking the openings. This product should not be placed in a crowded environment unless proper ventilation is provided.*
- ❖ *Make sure the printer is put on a stable surface and the surrounding is wide enough for the paper to load and eject.*
- ❖ *Avoid using the same AC socket with other high-power electric appliances or the electric appliance device which will easily cause voltage fluctuation.*
- ❖ *The whole computer system should be far away from the device. This may easily cause electromagnetic interference, for example, loudspeaker or wireless component.*
- ❖ *Do not locate this product where the cord will be stepped on. When the cord or the plug is mangled, please stop using and get a new one replaced. Make sure to dispose of the broken cord.*
- ❖ *Do not operate in locations where high humidity or dust levels are present. You should avoid placing in direct sunlight and in high temperature or greasy areas.*
- ❖ *To avoid electric shock, short circuit or printer malfunctions, please do not insert any objects of any kind in the printer's air vents.*
- ❖ *Don't remove the printer's outer cover and repair the printer. When needed, call or take it to a professional.*
- ❖ *To ensure safety, please unplug this product prior to leaving it unused for an extended period. The wall outlet that you plan to connect to should be nearby and unobstructed.*
- ❖ *This product is an impact printer; it produces obvious noise during printing, so we suggest placing this printer in a relatively independent area.*
- ❖ *When using the printer in a room where ventilation is not good, it is suggested to keep the room between 41o ~ 95o F*
- ❖ *Unplug this product from the power outlet and leave servicing to qualified service personnel under the following conditions:*
 - A. *When the power cord or plug is damaged or frayed.*
 - B. *If liquid has been spilled into the product.*
 - C. *If the product has been exposed to rain or water.*
 - D. *If the product does not operate normally when the operating instructions are followed.*
 - E. *If the product has been dropped or the cabinet has been damaged.*
 - F. *If the product exhibits a distinct change in performance, it indicates a need for service.*

Packaging

Unpacking the printer

Check the following items in the package, if of these items are missing, please contact your dealer. (As shown below)



Printer



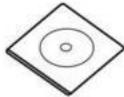
Paper Feed Knob



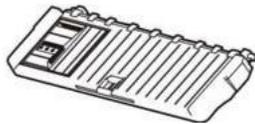
Ribbon Cartridge



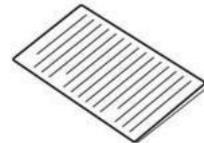
AC Power Cord



CD ROM
(Including User's Manual
and Print Driver)



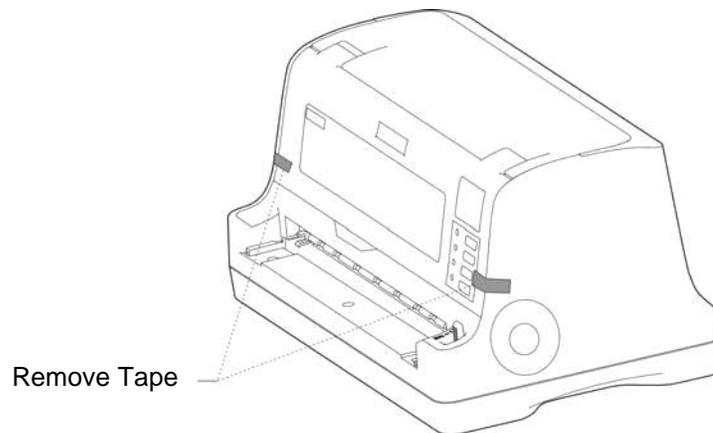
Paper Support Tray



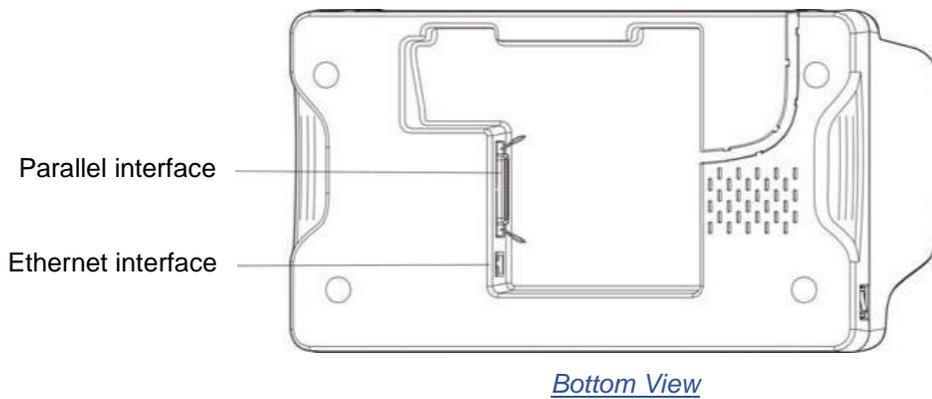
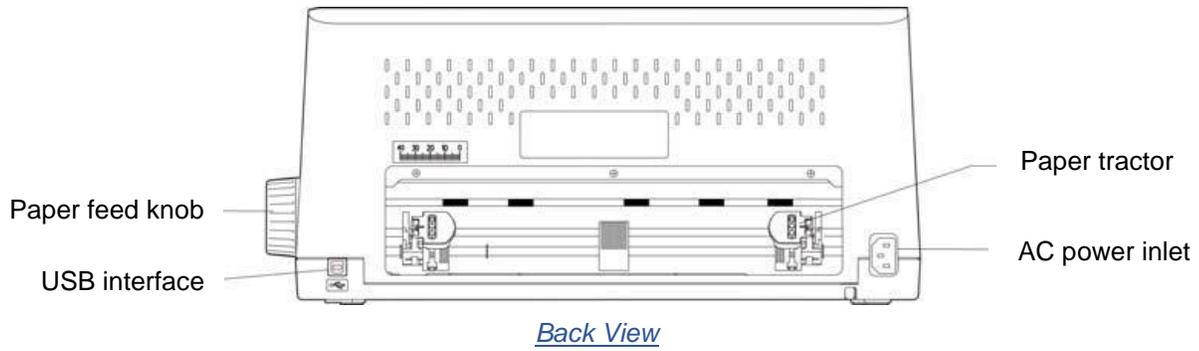
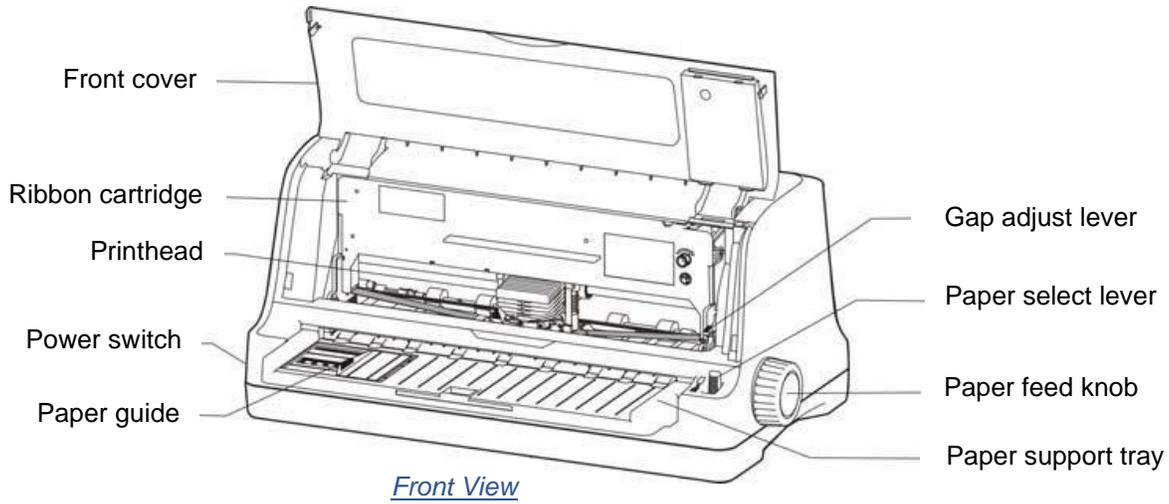
Quick Start Guide

Removing protective material

1. Open the shipping carton, unpack the printer and remove the tape from around the front cover as shown. Save all the original packing materials, so that they can be reused when transporting the printer.



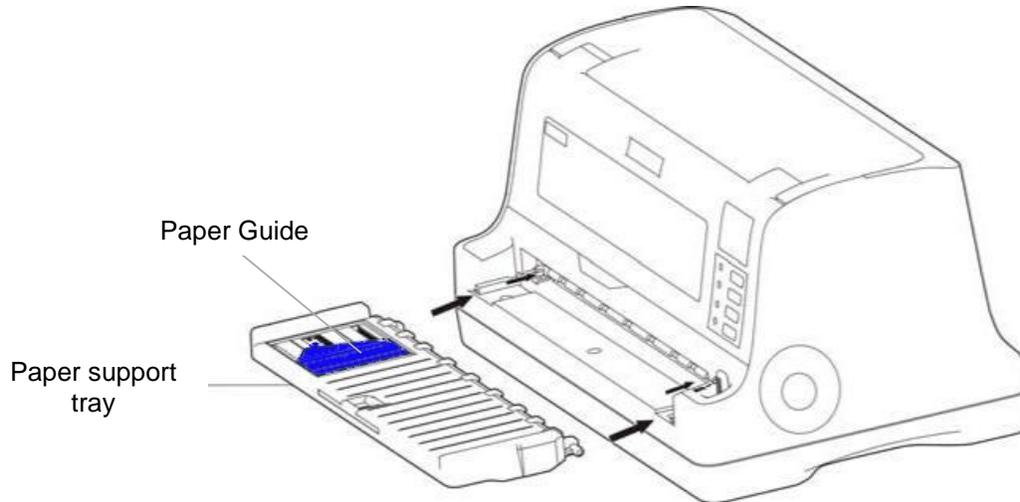
Part identification



Installation

Installing and removing paper support tray

1. Insert the tray gently into the slot at the front of the printer, then push it forward until it is locked in place. Position the paper guide to zero on tray scale for proper form alignment.

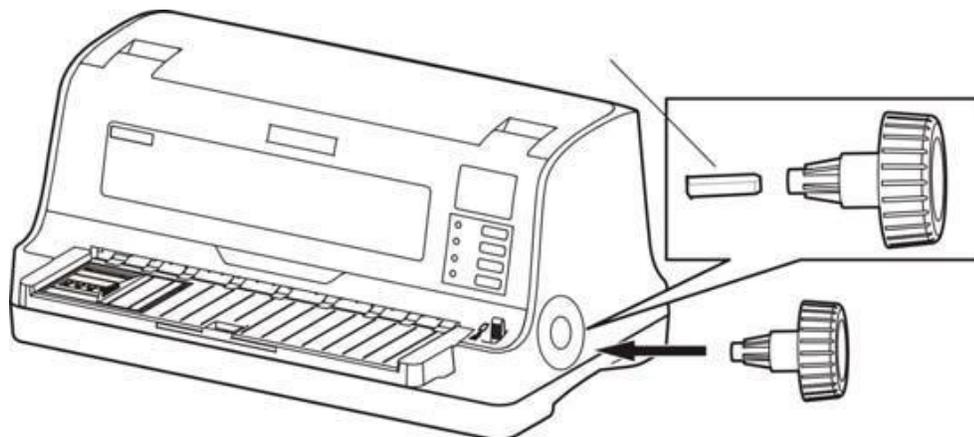


2. To remove the Paper Support tray, hold the left and right ends of the tray with both hands; pull it towards you and lift.

Note: When transporting the printer remove the paper support.

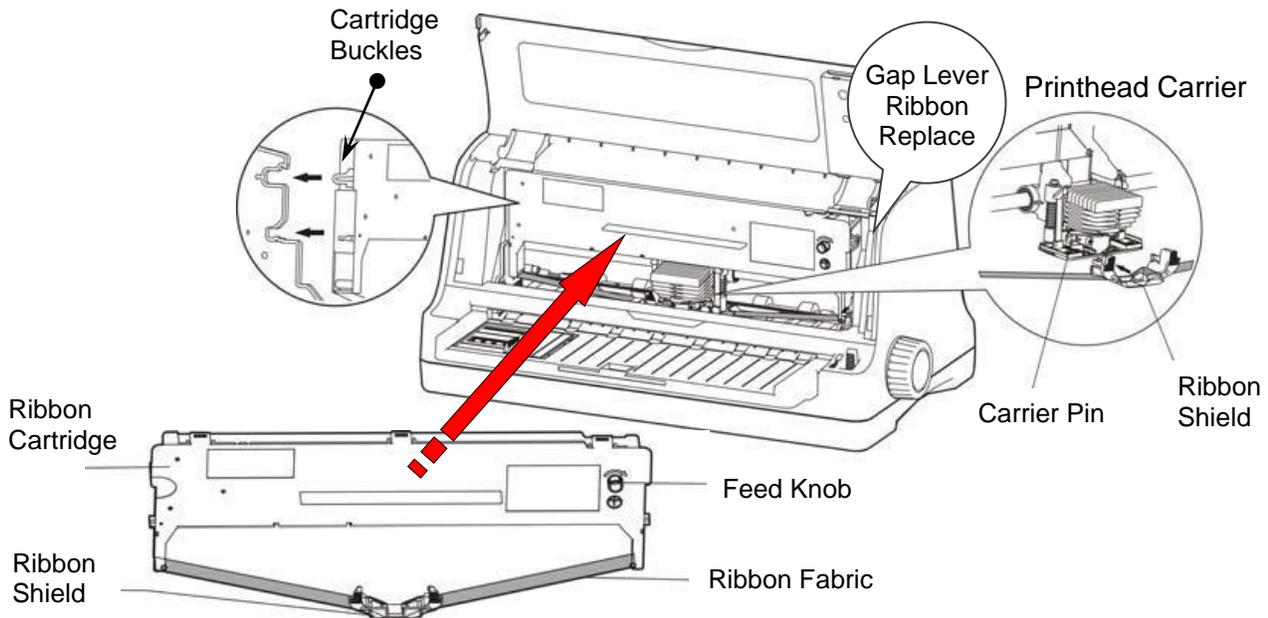
Installing the paper feed knob

1. Align the D-shape opening of the paper feed knob with D-shaped metal shaft. Slide the plastic knob onto the metal shaft (as shown below).



Installing the ribbon cartridge

1. Remove ribbon cartridge from the plastic bag. Detach blue ribbon shield from cartridge.



CAUTION

Power OFF the printer. Do not touch the printhead immediately after printing because it may be too hot.

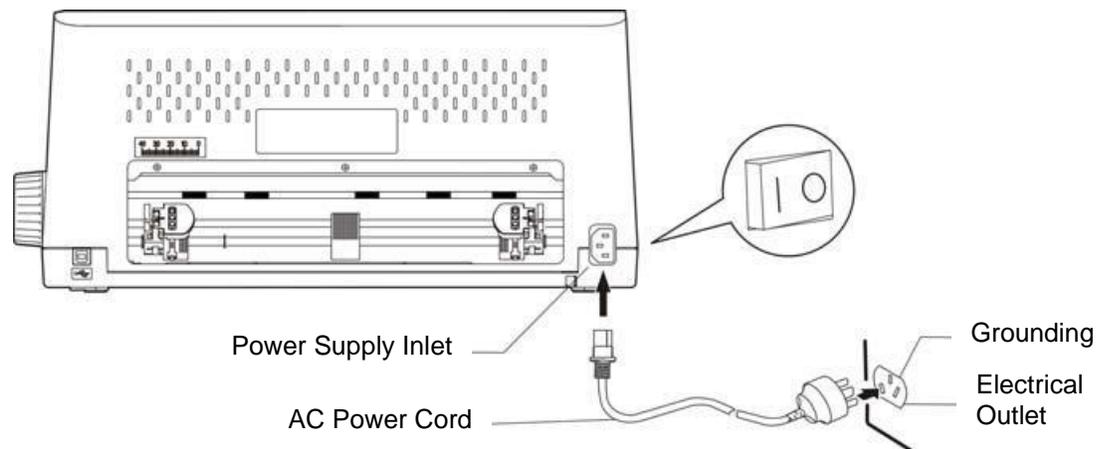
2. Make sure the **power switch is OFF**. Open the front cover. Move the printhead to the center of the printer. Refer to the “Ribbon Clamp Installation” label located inside the printer for proper positioning.
3. Adjust the GAP LEVER to the “Ribbon Replace” highest position.
4. With the ribbon cartridge in hand (the side with the knob faces the user), turn the ribbon knob according to the arrow direction, so that the ribbon slack is removed.
5. To avoid damage, keep fingers away from print head cable harness located behind ribbon cartridge.
6. Position of the ribbon cartridge inside the printer chassis; make the cartridge buckles on both sides aim at the slots of the printer, push it forward until it is locked in place.
7. Carefully slide the plastic RIBBON SHIELD onto the left and right carrier pins. Verify the shield is seated against the printhead carrier.
8. Rotate the RIBBON FEED KNOB in the direction of the arrow to remove fabric slack.

9. Move the printhead several times to make sure the ribbon is installed and functioning properly.
10. After installing the ribbon cartridge, reposition the gap lever to the proper form thickness, and close the printer cover.

Note: When the print becomes faint, you need to replace the ribbon cartridge. Otherwise, the print quality would be affected, and the printhead may be damaged.

Connecting the printer to the power source

1. Make sure that the power switch located on the left/front side of the printer is set to OFF. Press the “O” side of the power switch.
2. Plug one end of the provided AC power cord into the printer’s power supply inlet.
3. Make sure the voltage required by the printer matches that of your electrical outlet. Refer to the voltage designated on the rating label located on the back of the printer.
4. Connect the other end of the AC power cord into a properly grounded electrical outlet.



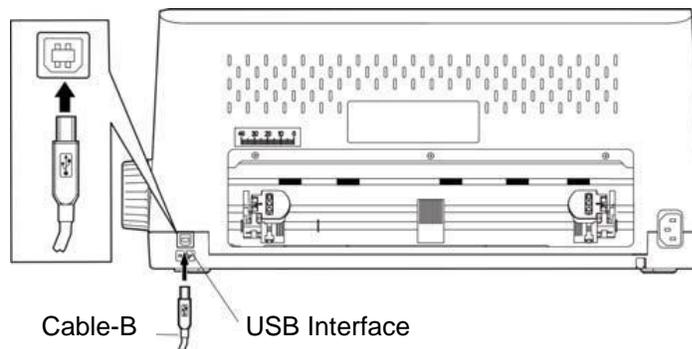
5. To turn the printer ON, press the “I” side of the power switch.

Connecting the printer to the PC

The Documax 6390 printer supports USB, Ethernet, or Parallel interfaces. Interface cable connections are as follows:

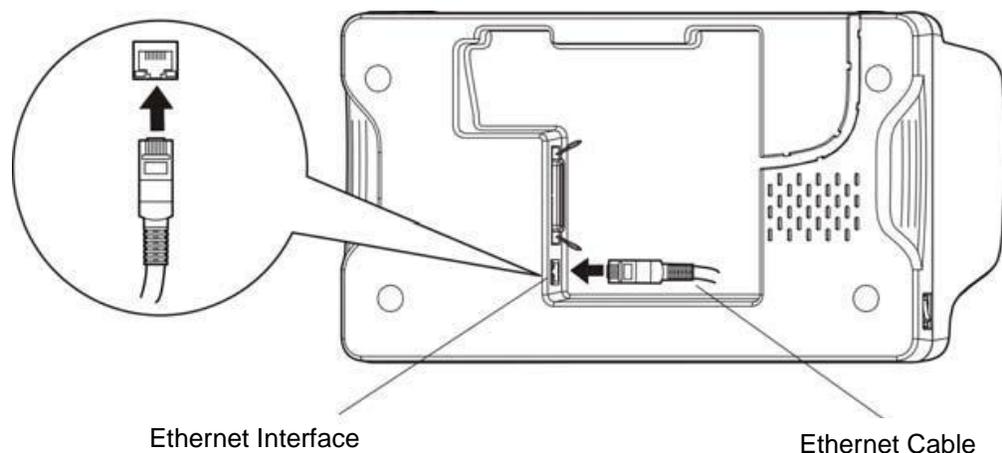
1. Install desired interface connection. Make sure that the **power switch is turned to OFF** and connect the appropriate cable(s) to the printer and the computer.

USB CABLE CONNECTION



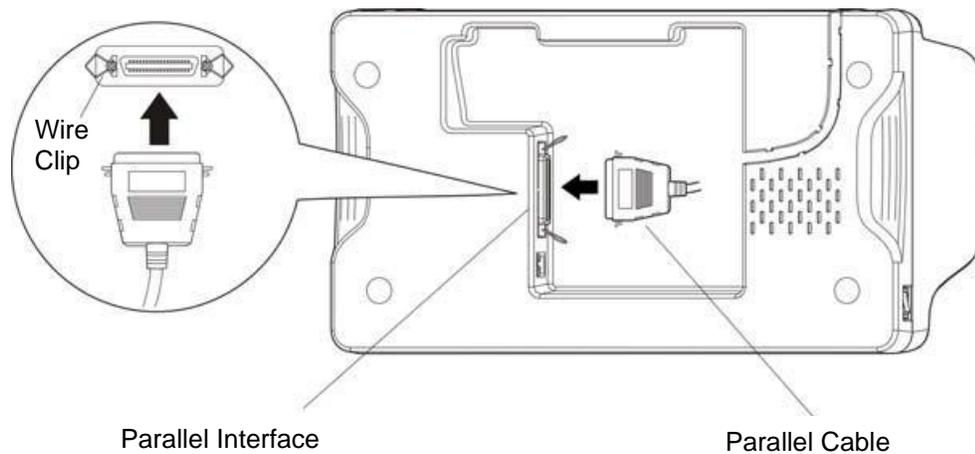
- ❖ Plug the USB cable A end (flat shape) into the computer's USB interface.
- ❖ Plug the USB cable B end (square shape) into the printer's USB interface.

ETHERNET CABLE CONNECTION



- ❖ Plug one end of the RJ-45 cable into the Ethernet port of the printer and the other into the LAN.
- ❖ Use NetFinder utility to identify IP address and help complete interface connection.

PARALLEL CABLE CONNECTION



- ❖ Turn OFF both the computer and the printer. Plug the parallel cable securely into the printer's parallel interface. Squeeze the wire clips together until they lock in place on either side.

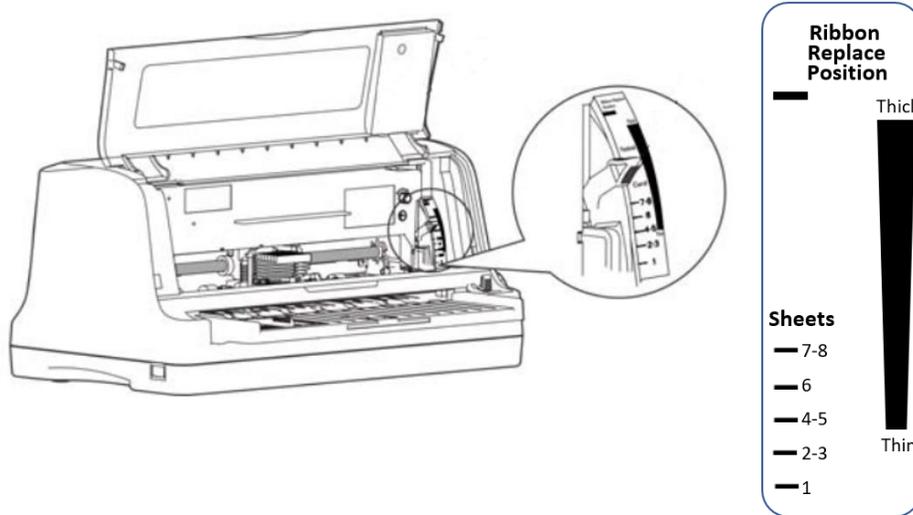


The interface has a built-in feature that will automatically receive transmitted data on any of the active ports.

Loading Paper

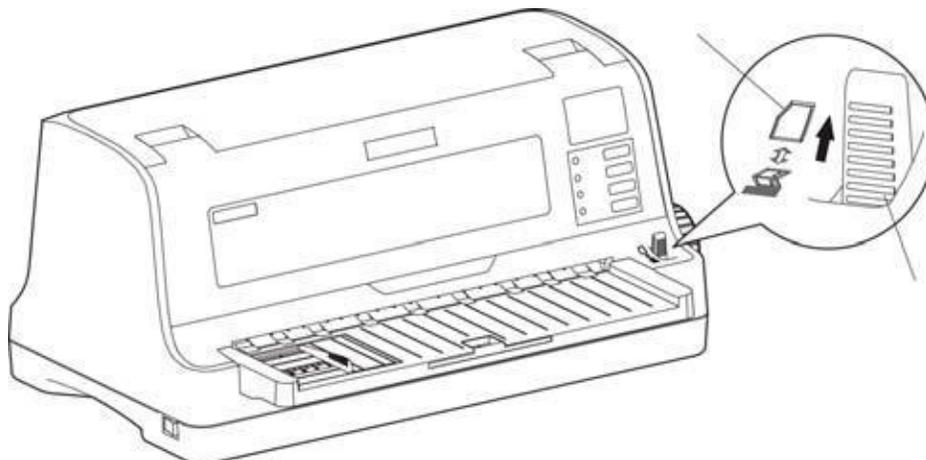
Paper thickness adjustment

1. Adjust the print gap lever inside the printer on the front right side to feed thicker paper and forms. The lever moves the printhead relative to the platen so that there is more room for the paper.

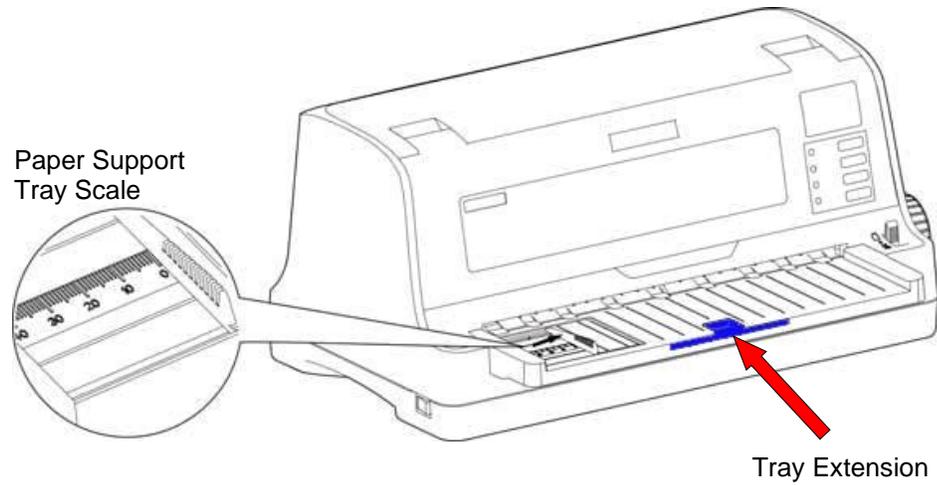


Loading cut-sheet paper/forms

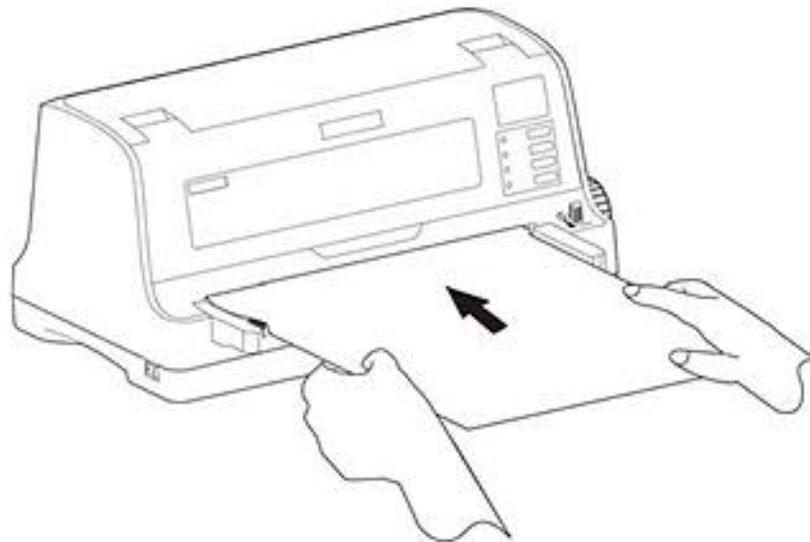
1. Set the paper select lever located on the front right side of the printer to Cut-sheet (up position).



2. Position the paper guide to the zero marking on the paper support tray scale. Pull tray extension out for long paper/forms requiring extra support.

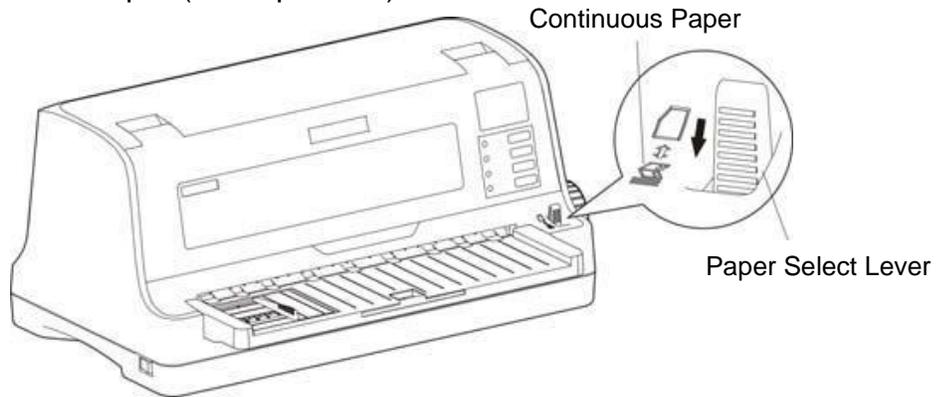


3. Insert the paper as shown below, the paper is fed into the printer automatically.

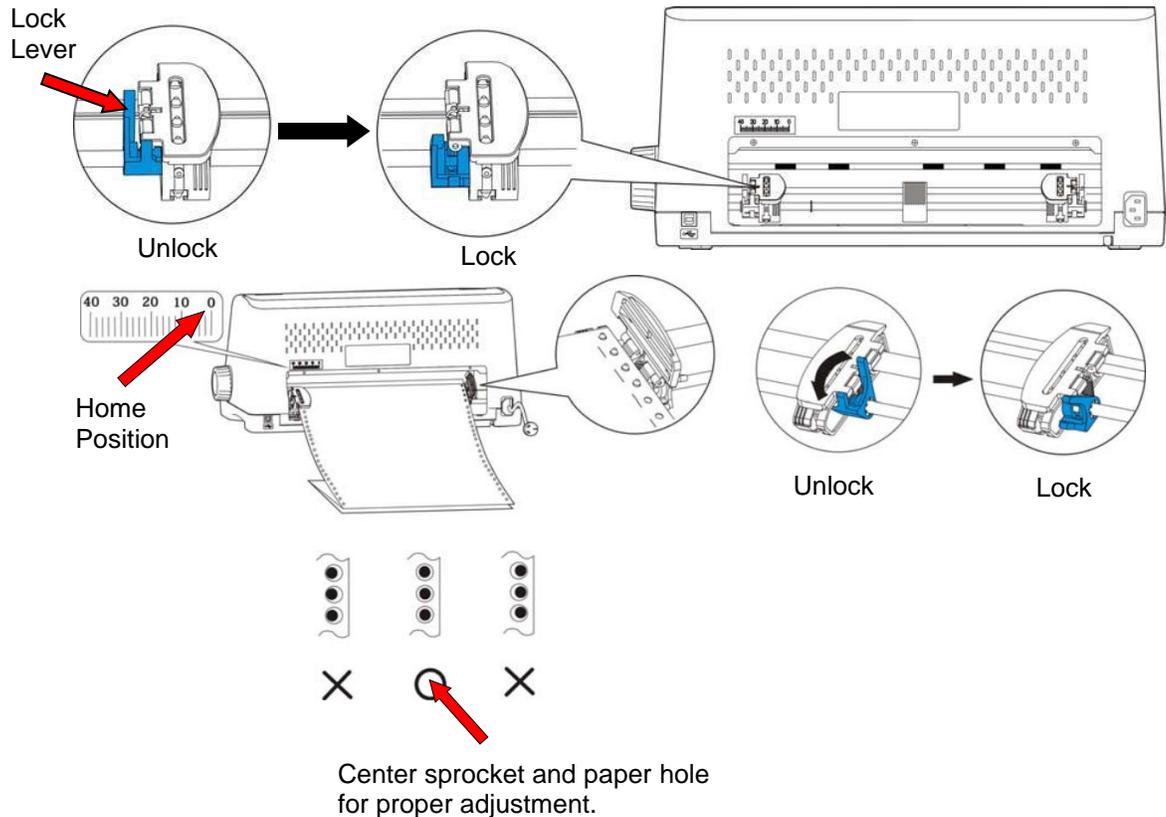


Loading tractor paper

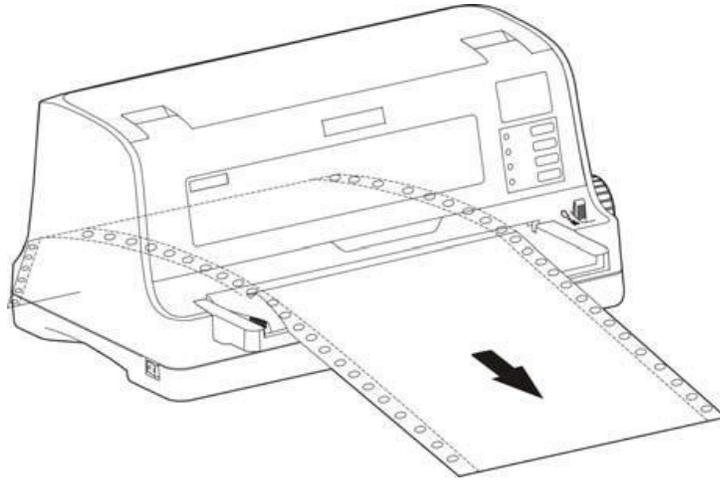
1. Set paper thickness lever, refer to "Loading Paper" section.
2. Set the paper select lever located on the front right side of the printer to Tractor Paper (down position).



3. Loosen the left and right tractors by lifting up on lock levers. Adjust the left tractor to the home position ("0" denotes home). Adjust right tractor to approximate paper width. Ensure the paper is flat and lock left and right tractor into place by pressing down on the lock lever.



4. When feeding paper under continuous paper mode, the printer tractor will feed continuous paper from back to front.



Adjust paper tear off

At the completion of a print job, the printer will feed the tractor paper to the tear off position automatically. Paper can be torn off along the window edge. If necessary, the paper perforation can be adjusted with the window edge utilizing the following procedure.

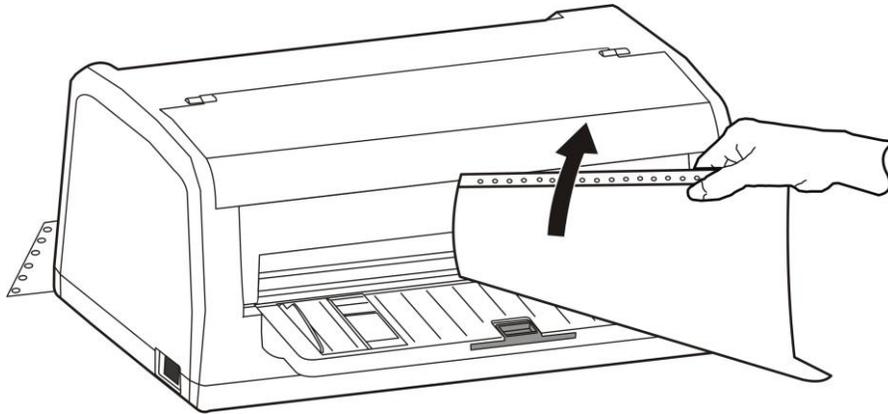
ADJUSTMENT ~

1. After installing the tractor paper correctly and ensuring the paper select lever is in tractor paper position. Power ON the printer.

Press the OFFLINE key then press the **LOAD/EJECT** key to bring paper to print position. Press the OFFLINE key then press the **TEAR PAPER** key to bring continuous paper to tear position.

Now press the OFFLINE key, and then press and hold **LOAD/EJECT** and **LF/FF** for 3 seconds, the printer's Online LED blinks, which means the printer is in Tear Position Adjustment mode.

2. After entering the tear position adjustment mode, press **LF/FF** and **LOAD/EJECT** keys to change the tear position (the maximum movable value is based on the factory setting zero position):
 - ❖ “**LOAD/EJECT**” Press one time, go forward 1/60-inch, max. is 15/60 inch.
 - ❖ “**LF/FF**” Press one time, go backward 1/60-inch, min. is 0/60 inch.
3. To exit and save your new setting, press **ONLINE** key, the Online LED and will blink twice and the printer makes 2 beeps. The **Power** LED is ON. The printer saves the new setting and exits the adjustment mode.



Top of form (control panel setting)

The top of form setting determines the margin between the top of paper and the first printed line (the top margin). The top of the first printed line is the zero position.

TOF ADJUSTMENT ~

1. Load paper. When the printer is in online mode, press **LF/FF** key for 3 seconds, the printer's Online LED blinks, which means the printer is in TOF adjustment mode.
 - ❖ Press "**LOAD/EJECT**" key one time, moves paper forward 1/60 inch.
 - ❖ Press "**LF/FF**" key one time moves paper reverse 1/60 inch.

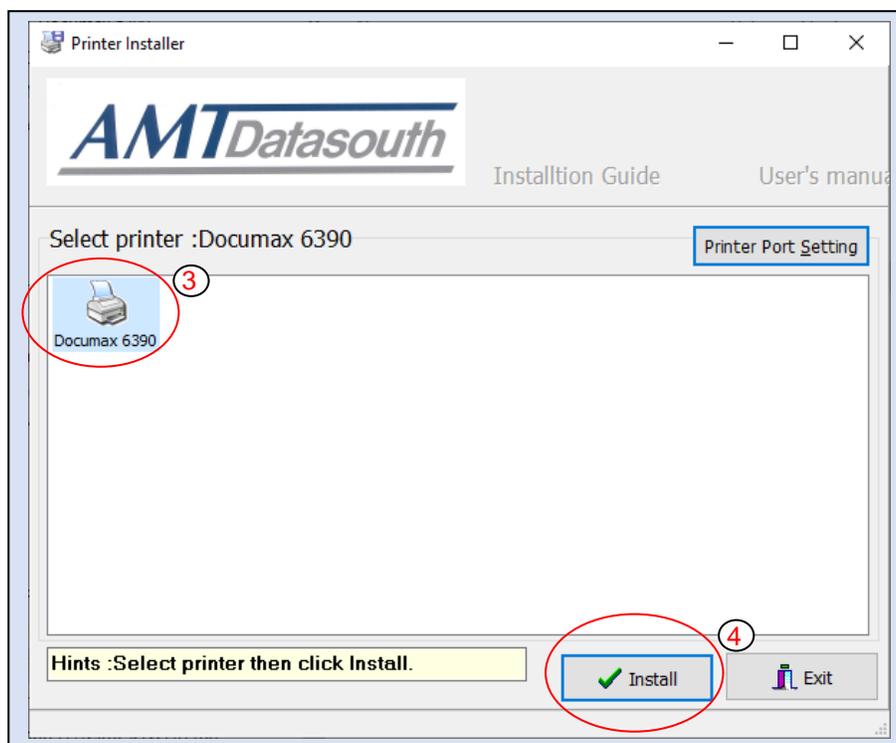
After adjustment, press **ONLINE** key, the Online LED blinks twice and the printer makes 2 beeps. The Online LED is ON. The printer saves the new setting and exits TOP adjustment mode.

TOF position can be viewed or adjusted using the print driver "[Printer settings](#)". Select "[Tof Cut Sheets](#)", or "[Tof Continuous](#)", or "[Tof Dark Form](#)" to view current setting. Select new setting or "Default", and then click "Set" to save new setting. Advancing the paper is a positive value, reversing the paper is a negative value. Refer to [Printer Settings via Driver](#) section of the manual for procedure details.

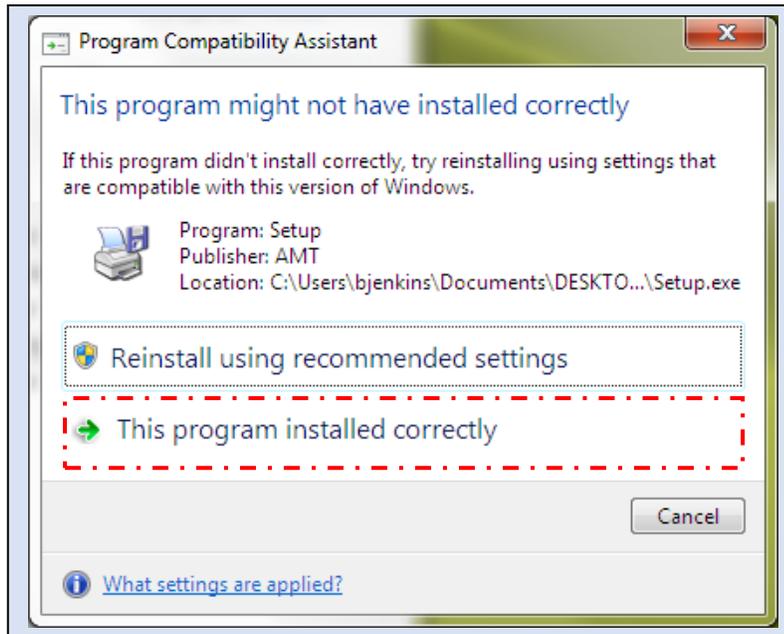
Print Driver Installation

Win8 &10 driver install

1. Open the driver folder on the CD shipped with the printer. Then open the subfolder for your version of Windows.
2. Click on the "Setup.exe" file to begin the installation utility. Have your printer ready to connect when instructed.
3. Click on the "Documax 6390" icon to select the driver.
4. Click on the "Install" key to begin the driver installation. When prompted connect the interface cable and power ON the printer. Installation may take 2~3 minutes, ignore "Not Responding" message. Installing the printer without a proper interface will result in a "LPT1" port default.



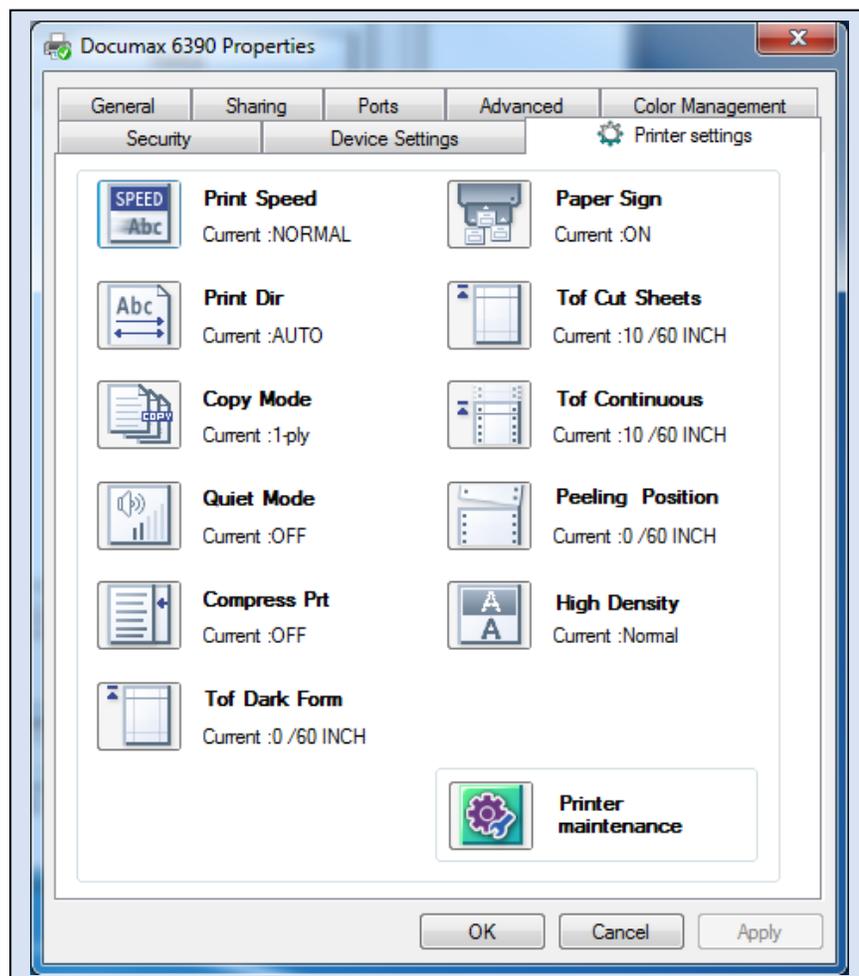
Note: should this pop-up Window appear, choose “This program installed correctly” and continue with next step.



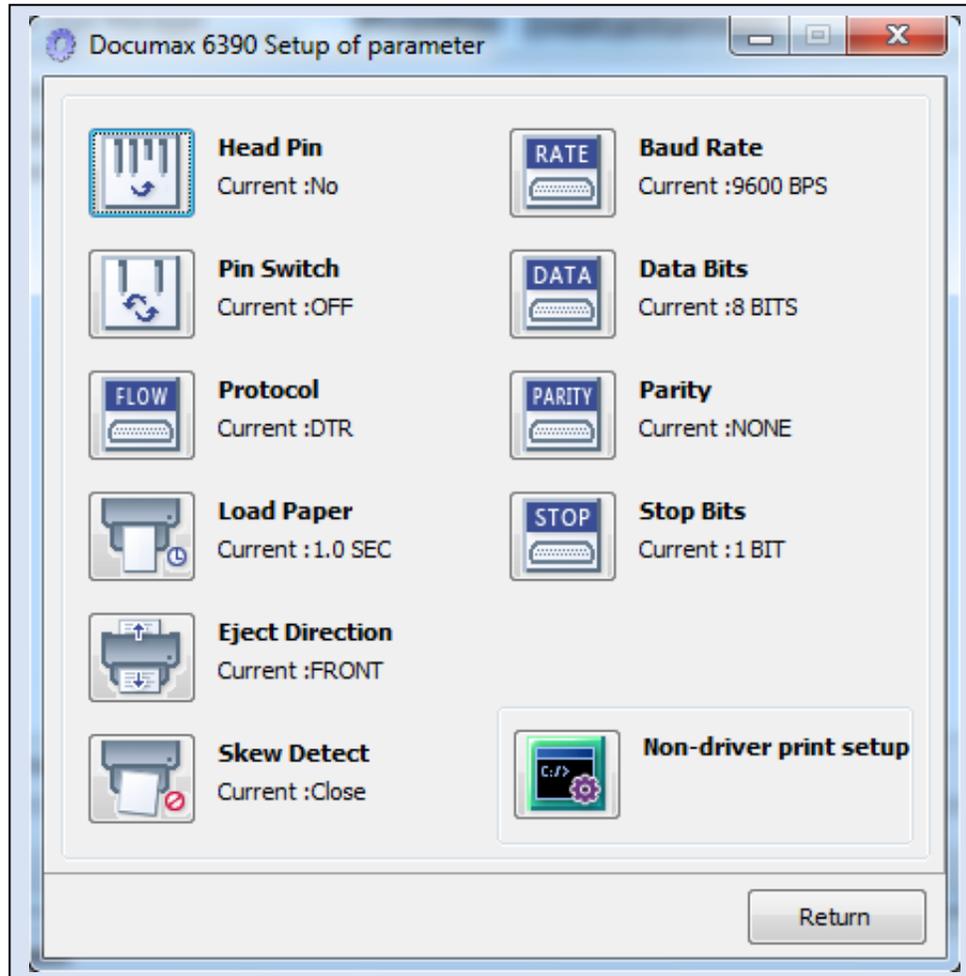
5. Once the Driver install is complete, close the printer installation utility.
6. Open the “Devices and Printers” window from the PC Start key. 
7. Right-click on the Documax 6390 icon  and select “Printer Properties”.
8. Choose the “Ports” tab and select the correct interface port for your printer. For Ethernet port IP recognition, run “NetFinder” utility on CD.
9. End of procedure.

Printer settings via driver

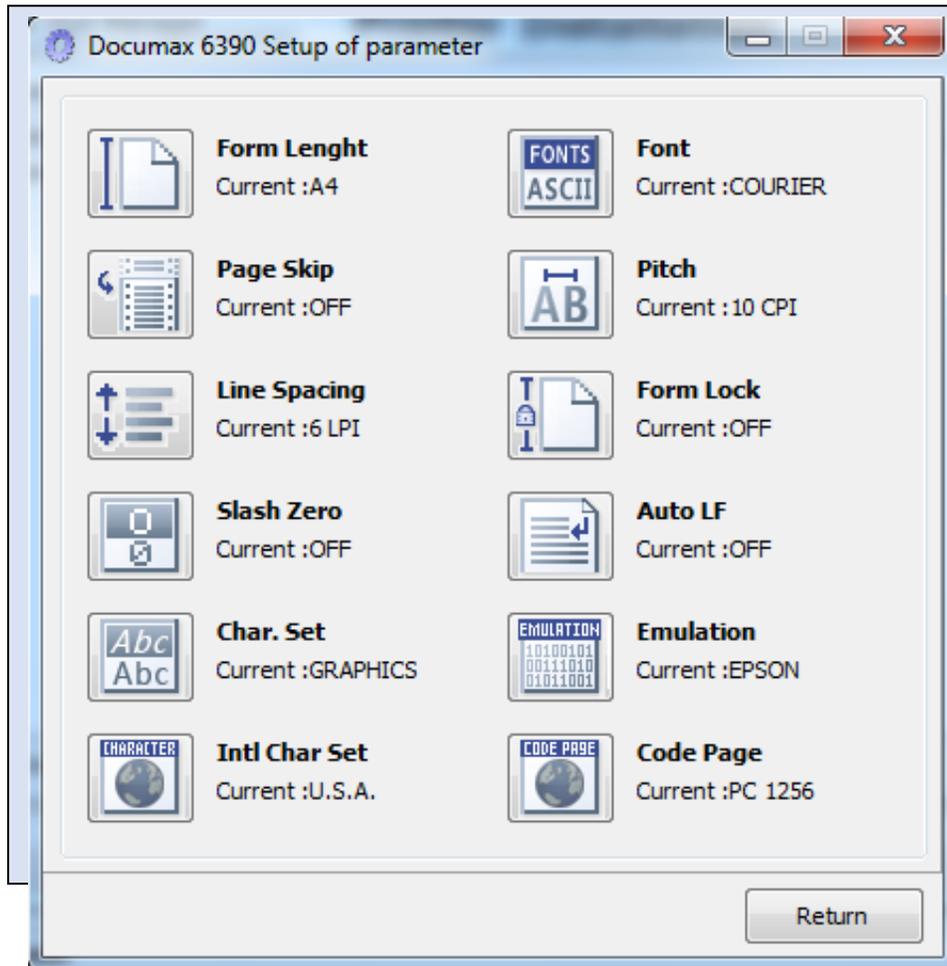
1. Open the “Devices and Printers” window from the PC Start key.
2. Right-click on the Documax 6390 icon  and select “Printer Properties”.
3. Choose the “Ports” tab and verify or select the preferred interface port for your printer.
4. Click on “Printer settings”. 
5. Select and click on the printer setting icon you would like to adjust. A pop-up window will display feature choice and an explanation.
6. In the parameter setting window, there are parameter options, item explanation and control buttons. After selecting the corresponding parameter(s), click “Set”, the printer will change the setting at the moment it receives the change command. Click “Cancel” to return to the upper window. Click “Default” to show the default setting of this item.



- Click on "Printer maintenance" to access additional printer setup features.



8. Click on “Advance printer setup” to access additional printer setup features.



9. Return to main menu and click on “OK” to exit and save settings.

Control Panel



Basic control panel operations

LED light	Off	On	Blinking
ONLINE (Red)	—	The Printer is online	The Printer is offline
COPY (Green)	One-sheet	Four-sheet	Seven-sheet
DARK FORM (Green)	Regular	Dark Form	—
SPEED (Green)	Normal	High speed I	High speed II

ONLINE	Press this key to switch between online and offline. Pressing this key about 3 seconds, printer beeps once and enters control panel menu COPY, DARK FORM and SPEED setup.
LOAD/EJECT	For cut sheet, press this key in offline mode, paper will be ejected. For continuous paper, when paper is in the installation position, press this key in offline mode, paper will be fed to printing home position; when there is paper, press this key in offline mode, paper will be ejected to the installation position. When in the LED menu settings, press this key to switch among one-sheet, four-sheet and seven-sheet of COPY item.
LF/FF	In the offline mode, pressing this key will feed paper one line; Press and hold this key if using continuous paper, paper will be fed to next page and fed to tear position, if using cut sheet, paper will be ejected. In ONLINE mode, press and hold key to enter Dark Form load mode.
TEAR PAPER	In the offline mode, press this key, paper will be fed to the tear off position. Press this key again, the paper will be ejected to the printing home position. In LED menu setting, press this key to switch among normal, high speed I and II of SPEED item.

Printer settings via printer control panel

1. With ribbon installed, print current settings by pressing the **LOAD/EJECT** and **LF/FF** keys while turning ON the printer power switch. Release keys and load cut sheet paper to print settings.
2. Review printout. The highlighted settings (gray background) depict current feature setting.
3. In the online mode, press and hold the **LOAD/EJECT** key for 3 seconds. The ONLINE LED will blink once to indicate MENU mode.
4. Load cut sheet paper, the title and first MENU will print. The underlined features are the default settings. The print head will stop at the default setting. Use control panel keys to change printer settings.
 - ❖ Use **LOAD/EJECT** key to point the print head to the desired setting, menu option or menu setting value.
 - ❖ Use **LF/FF** key to enter the submenu or confirm menu setting value.
 - ❖ Use **ONLINE** key to go back the previous menu (press and hold the ONLINE key will return to main menu directly).
5. Press and hold the **TEAR** key to save settings and exit. The ONLINE LED and COPY LED will blink to indicate completion.
6. Current settings are UNDERLINED, new settings will be **FILLED**.
7. Exit menu settings by cycling the printer power. Refer to next page for menu listing and default values.

Factory default settings

AMT Datasouth Documax 6390 V1.0A_01 2021/08/23 SN: XXXXXXXXXXXXXXXXXXXXX
 MAC:XX-XX-XX-XX-XX-XX DHCP:YES IP:10.0.0.1 Subnet: 255.255.255.0 Gateway: 255.255.255.255

SYSTEM SETUP

EMULATION EPSON OKI

CHARACTER

FONT ROMAN SANS SER **COURIER** PRESTIGE SCRIPT OCR-B OCR-A ORATOR
 PITCH **10 CPI** 12 CPI 15 CPI PROPORTIONAL
 SLASH ZERO OFF ON
 INTL CHAR U. S. A. FRANCE GERMANY U.K. DENMARK1 SWEDEN ITALY SPAIN 1
 JAPAN NORWAY DENMARK2 SPAIN 2 LATIN AM KOREA LEGAL HOLLAND
 GHAR. SET ITALICS **GRAPHICS**
 CODE PAGE U.S.A. MULTI PORTUGAL C-FRANC NORWAY E.EUR TURKY **PC 1256**

PAGE LAYOUT

LINE SPACING **6 LPI** 8 LPI
 FORM LENGTH 3 INCH 11/3 INCH 3.5 INCH 4 INCH 5 INCH 5.5 INCH 6 INCH 7 INCH
LETTER A4 12 INCH 14 INCH
 FORM LOCK OFF ON
 PAGE SKIP OFF ON
 COMPRESS PRT **NORMAL** AUTO 75% 66% 50%
 LEFT MARGIN **0/10 INGH** 1/10 INCH 2/10 INCH 3/10 INCH 4/10 INCH 5/10 INCH

PRINT SETUP

PRINT DIR BI-DIR UNI-DIR **AUTO-DIR**
 QUALITY **NORMAL** LETTER
 QUIET MODE OFF ON
 AUTO LF OFF ON
 TEAR OFF OFF **ON**
 LOADING PUSH KEY 0.5 SEC. **1.0 SEC.** 2.0 SEC.
 EJECT DIR **FRONT** REAR
 PIN SWITCH OFF ON
 MARGIN DETECT OFF **ON**
 SKEW DETECT OFF 001 002 003 004 005 006 007

SERIAL I/F

BAUD RATE 19200 BPS **9600 BPS** 4800 BPS 2400 BPS 1200 BPS
 PARITY NONE ODD EVEN
 DATA BITS **8 BITS** 7 BITS
 STOP BITS **1 BIT** 2 BITS
 PROTOCOL XON/XOFF **DTR**

HEAD PIN

PIN 1~24 **LIVE** BROKEN



With Ethernet interface connected, the MAC Address, DHCP status, IP Address Subnet and Gateway will print on MENU listing.

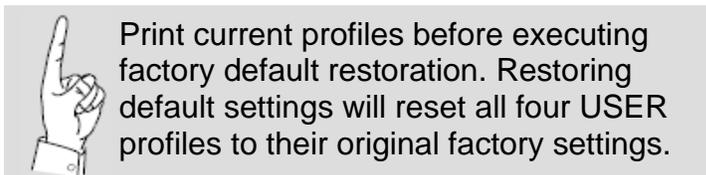
Printer setting definitions

Options	Description
SYSTEM SETUP	
EMULATION	Specify printer's control commands.
CHARACTER	
FONT	Specify a kind of ASCII character font. If the print data contains font instruction, the printer gives priority to print data instruction. (Only valid when CHARACTER MODE is set to ASCII)
PITCH	Specify the ASCII character spacing in characters per inch (cpi).
SLASH ZERO	Select the printing character for the zero character with a slash (/) or without, to distinguish it from the letter O.
INTL CHAR	Specify the printer internal character set, utilizing international characters.
CHAR. SET	Specify character set as Italic Character or Graphic Character.
PAGE LAYOUT	
LINE SPACING	Specify the line spacing in lines per inch (lpi). If the print data includes vertical pitch instruction, the printer will give priority to the print data instruction.
FORM LENGTH	Specify the page length of the form, for both cut sheet and continuous paper. The printer feeds to next page according to the specified page length. If the print data includes page length instruction, the printer will give priority to the print data instruction.
FORM LOCK	After selecting this function, the printer will lock the page length setting. The printer feeds to next page according to the current setting parameter and will not be affected by the page length instruction of the print data.
PAGE SKIP	After selecting this function, the printer will leave one inch margin at the perforation of the tractor paper automatically. If the print data includes page margin instruction, the printer will give priority to print data instruction.
COMPRESS PRT	After selecting this function, the printer will print out transverse compressed content according to the specified percentage in normal speed. When auto-compress mode is selected, the printer will detect paper width automatically and choose the proper percentage to print.
LEFT MARGIN	Specify the distance between paper left edge and printing home position. (Only valid when ANY POSITION PAPER FEED function is on.)

PRINT SETUP	
PRINT DIR	Select the printing direction of the print head: unidirectional, bidirectional or Auto selected via software.
QUALITY	Select "Normal" or "Letter" print quality.
QUIET MODE	Disable or enable the low noise function. When this function is on, print speed will be reduced.
AUTO LF	If this function is on, the printer will advance the paper one line automatically after receiving every carriage return instruction.
TEAR OFF	Advances tractor paper to tear off position.
LOAD PAPER	Specify the wait time between installing the cut sheet into the paper guide and when it is fed into the printer. Choose to wait specify time or press LF/FF key to feed paper.
EJECT DIR	Specify paper eject direction when loading paper from front.
PIN SWITCH	After selecting this function, the printer will switch different pins to print table line automatically.
PAPER EDGE	After selecting this function, the printer will detect the paper edge automatically after feeding paper and start to print from the position according to the left margin setting.
SKEW DETECT	After selecting this function, the printer will auto detect paper skew when feeding cut sheet paper. If the slant degree is beyond the set parameter, the printer will eject paper automatically.
SERIAL I/F	
BAUD RATE	Specify the printer serial data transfer rate.
PARITY	Specify the parity bit for serial data transfer.
DATA BITS	Specify the serial data bits.
STOP BITS	Specify the serial data transfer stop bit.
PROTOCOL	Specify the protocol of printer serial data transfer as software control (XON/XOFF) or hardware control (DTR).
HEAD PIN	Select the broken pin. The printer will automatically replace it with other pin to print.

Restore factory default settings

1. Factory default settings can be restored using the Windows Driver DEFAULT key.



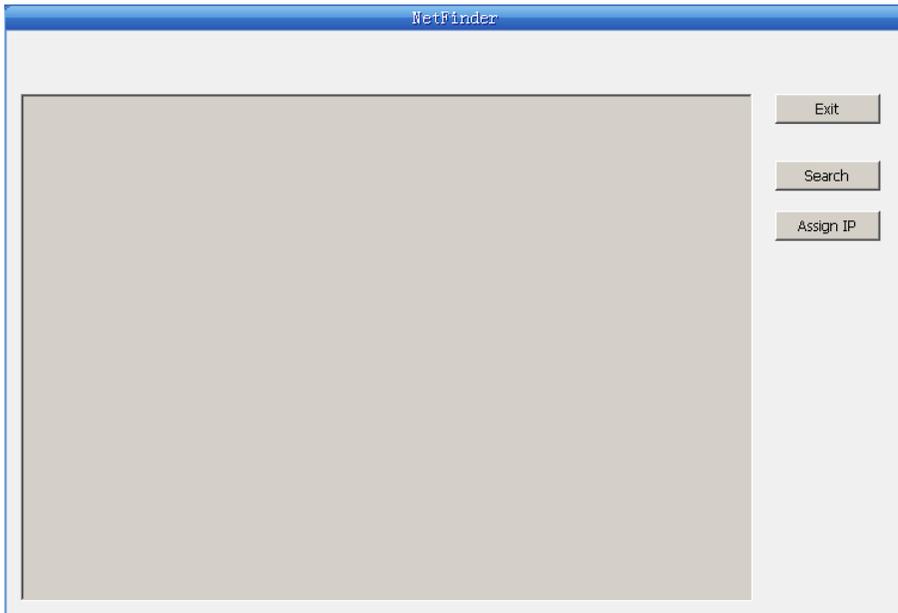
Ethernet Interface Settings

NetFinder search

1. Power on the printer, connect the LAN Ethernet cable to the printer port located on the bottom of the printer. Verify the Ethernet port LED indicates a normal connection.

Yellow LED	Green LED	Description
ON	Blink	Connecting to network
OFF	OFF	Not connecting to network

2. Run NetFinder software (provided on CD shipped with the printer).



Key Description:

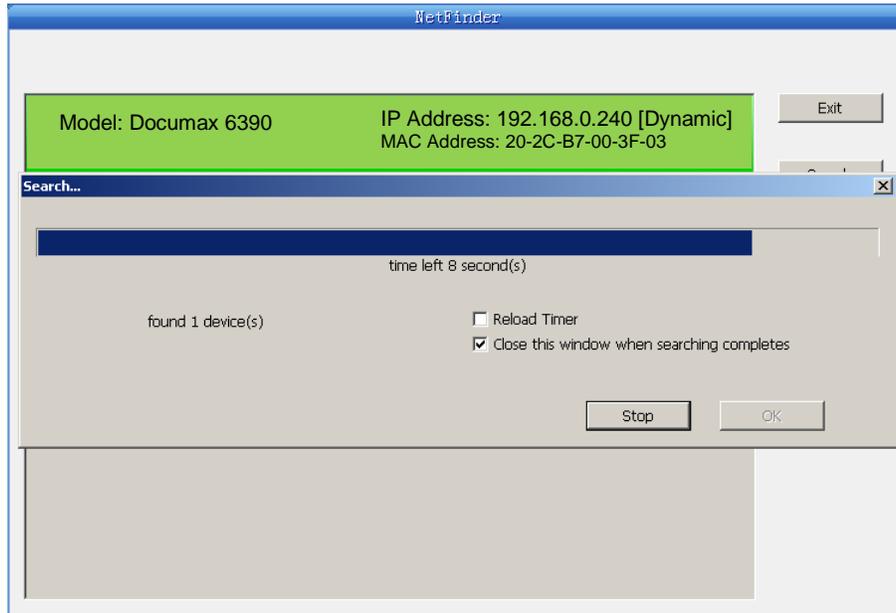
Exit — Exit from the software

Search — Search for printers in the same LAN

Assign IP — Modify the IP address and other settings for the specified printer.

3. Click the “Search” key, the dialog box appearing will begin searching automatically listing printers found in the network. The time is counting down in the progress bar (10 seconds) and the search will finish as soon as the time is over.

Search results:



Should the printer not be found during the search, check to see if the network firewall is blocking the search results. Temporally disable the firewall and restart the NetFinder search.

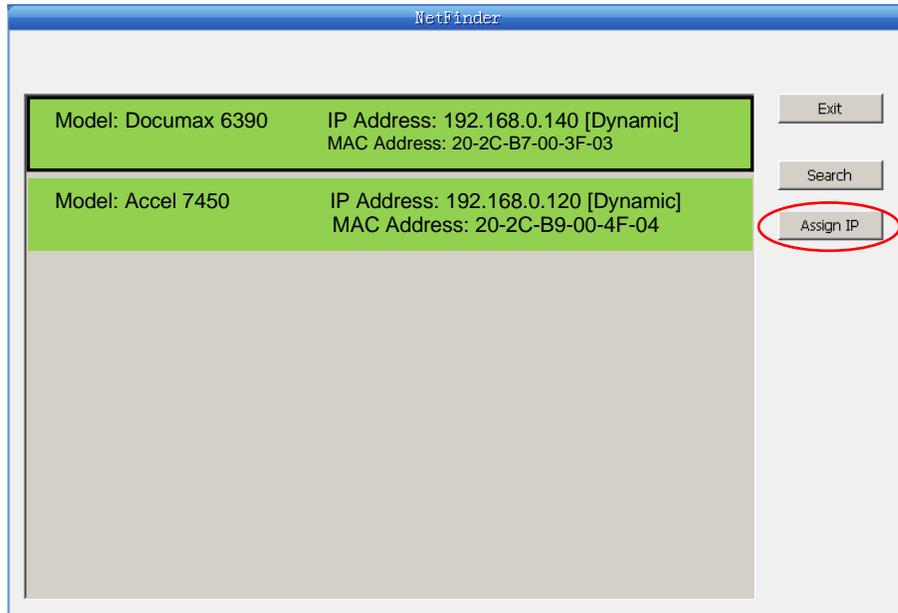
In order to search and set the printer's IP address conveniently for the first time, the factory default setting is DHCP mode which assigns the IP address dynamically. If there is no DHCP server in the connected LAN and the printer is set to DHCP mode as well, then it will use the internal pre-set address (IP: 10.0.0.1, Subnet Mask: 255.255.255.0) automatically.

Setting printer static IP address

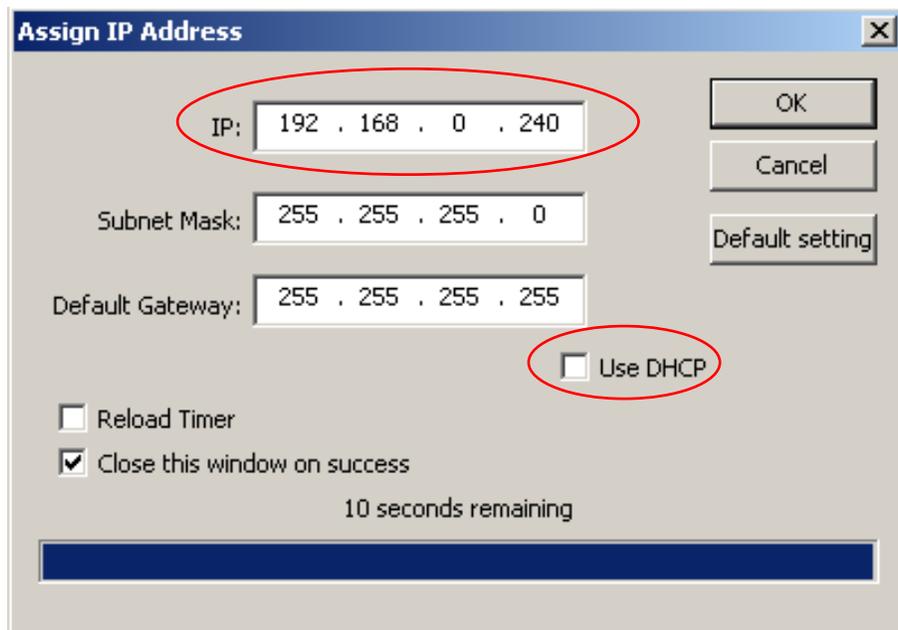
1. Run NetFinder search. Refer to above "NetFinder Search" section for instructions.

It is suggested that printer's IP is set to static in actual usage, which can cut down the time when initializing the Ethernet interface as the printer is turned on and prevent IP conflicts. The network segment part of the IP address and Subnet Mask must be the same as those of the PC connecting with a printer. It is not restricted for NetFinder to search printers in the same network but different segment parts.

2. Select the printer information to be modified by clicking on the displayed printer (black frame appears), click “Assign IP” key.

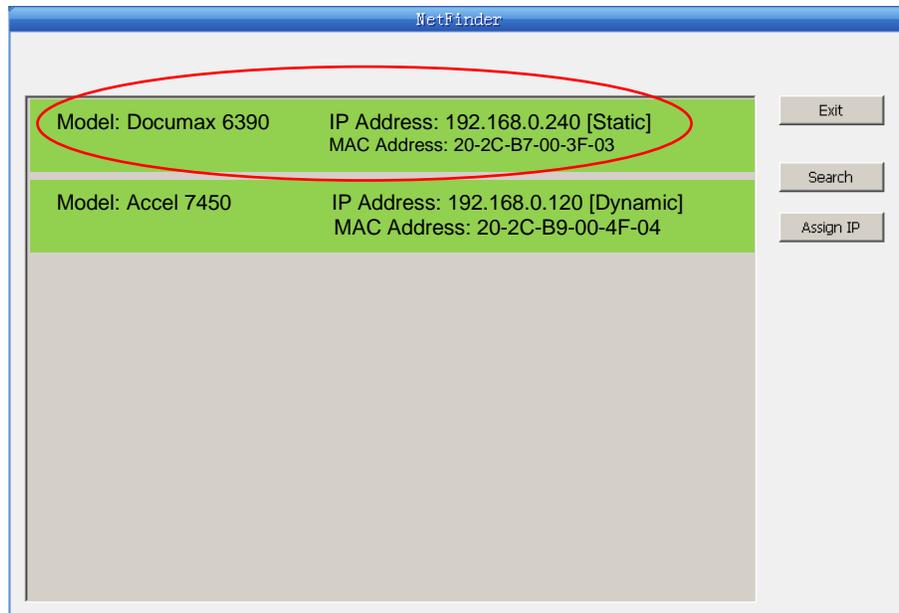


3. Uncheck “Use DHCP” and set the desired IP address, Subnet Mask and Gateway in the dialog box. If there is no gateway in the network, use 255.255.255.255.



4. Click “OK” key to assign Static IP address.

5. Run NetFinder again to verify the printer has been updated with Static IP.



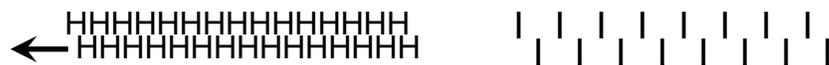
6. Exit NetFinder software.
7. Open the “Devices and Printers” window from the PC Start key. 
8. Right-click on the Documax 6390 icon  and select “Printer Properties”.
9. Choose the “Ports” tab and select the correct IP interface port for your printer.
10. End of procedure.

Vertical print alignment

Alignment is necessary when adjacent printed lines of text or graphics are not vertically aligned. The following procedure requires pin feed paper and the printer set to tractor mode.

1. Set printer to Tractor Mode and load pin feed paper. Turn printer power switch to OFF position.
2. Press and hold the **LOAD/EJECT** and the **TEAR PAPER** keys while turning ON the printer power switch to enter alignment parameters.
3. Verify ONLINE LED is lit, press, and hold **LOAD/EJECT** and the **TEAR PAPER** keys, the printer will print current alignment.
4. ADJUSTMENT ~
 - ❖ Settings potentially requiring adjustment: DP2(S), 60 DPI(S), 90 DPI(S), 120 DPI(S) and 180 DPI(S). Ten adjustments in total.
 - ❖ Press “**LOAD/EJECT**” key to optimize the odd print line to the right (original parameter values increase with each key press). Proceed to step 5.
 - ❖ Press “**LF/FF**” key to optimize the odd print line to the left (original parameter values decrease with each key press). Proceed to step 5.

Before Alignment



← HHHHHHHHHHHHHHHHHHHH | | | | | | | | | |
HHHHHHHHHHHHHHHHHHHH

After Alignment



HHHHHHHHHHHHHHHHHHH | | | | | | | | | |

Note: objective is to optimize vertical alignment; total column alignment may not be possible.

5. Press **ONLINE** key to save current settings and print out new alignment. Repeat steps 4 and 5 until satisfied with alignment.
6. Press **TEAR PAPER** key to advance to next alignment.
7. Repeat steps 4~7 to increment through each vertical setting.
8. Turn Printer OFF the printer power to exit vertical alignment mode.

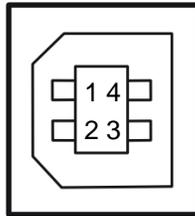
Interface Specification

This Documax 6390 printer can be configured with 2.0 Full-Speed USB interface, 10/100Base-T Ethernet interface and Centronics (IEEE1284 NIBBLE) parallel interface.

USB 2.0 full speed interface

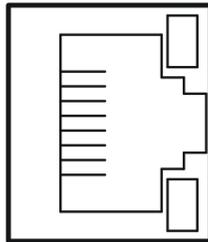
1. The following table provides the standardized contact terminating assignments for Series "A" and Series "B" connectors.

Pin number	Name	Color
1	VBUS	Red
2	D-	White
3	D+	Green
4	GND	Black



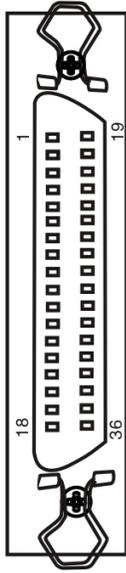
Ethernet interface

1. 10/100Base-T Ethernet interface, it can also connect to 10/100M Ethernet:



Parallel interface

1. Standard Centronics (IEEE1284 NIBBLE) parallel interface connector, DB-36 pin type connector.

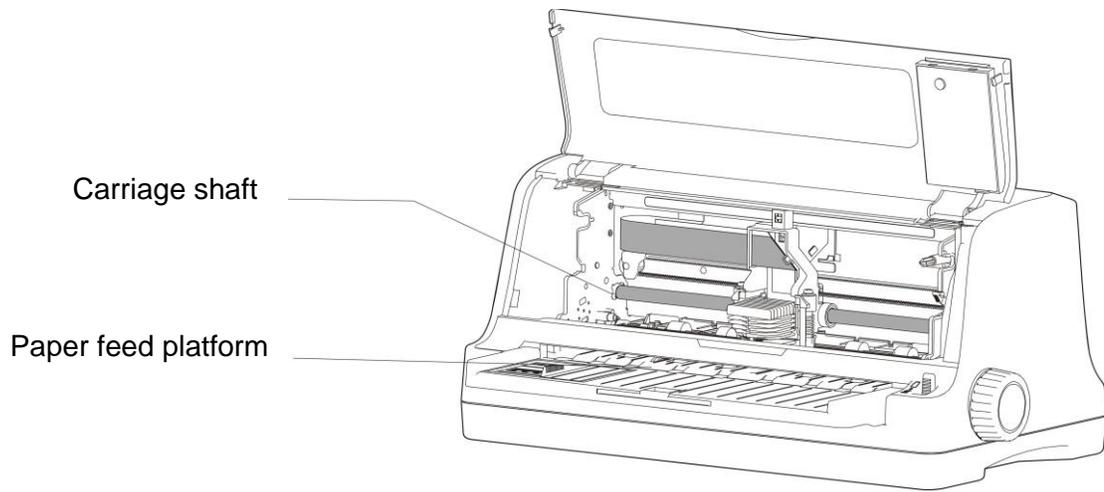


The parallel interface has the following characteristics:

Data format: 8-bit
Synchronization: STROBE pulse
Handshaking: BUSY and ACKNLG signals
Signal level: TTL compatible

Signal Pin No.	Return Line Pin No.	Signal Name	Signal Direction
1	19	STROBE	Printer ← Host
2 ~ 9	20 ~ 27	DATA	Printer ← Host
10	28	ACK	Printer → Host
11	29	BUSY	Printer → Host
12	30	PE	Printer → Host
13	—	SELECT	Printer → Host
14	—	AUTO FEED	Printer ← Host
15	—	N/C	N/C
16	—	SIGNAL GND	Printer ↔ Host
17	—	CHASSIS GND	Printer ↔ Host
18	—	+5V	Printer → Host
31	—	PRIME	Printer ← Host
32	—	ERROR	Printer → Host
33	—	SIGNAL GND	Printer ↔ Host
34	—	NC	Printer → Host
35	—	PULLED UP 5V	Printer → Host
36	—	SELECT IN	Printer ← Host

Printer Maintenance



CAUTION

- ❖ Disconnect AC Power Cord
- ❖ Do not touch the print head immediately after printing because it may be too hot.

- **Cleaning period**

Periodical cleaning: every six months or every 300 running hours.
Cleaning tool: dry cloth (use soft cloth to clean metal & plastic parts).

- **Clean the paper platform**

Wipe away wasted paper and debris.

- **Clean the carriage shaft**

There is a layer of oil on the carriage shaft which guarantees a smooth and consistent motion. First clean (remove) the contaminated oil and debris with a soft cloth and then add proper lube (3-1 light machine oil is recommended), move print head back and forth to distribute lube.

Printer Specification

Documax 6390

Multi-Form Printing for any Environment

Handles up to 7-Part Forms

Low Life Costs

24 Pin Printhead, up to 504 cps
print speed

Replace virtually any 9-pin or
24-pin printer with a standard
emulation, or if needed we will
prepare an emulation to work
with your existing data stream



For any kind of form that can't be done "electronically" or where a signature or two are needed:

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6390 Specifications



Print Head: 24 pins and .008 inch (diameter of wire)

Resolution: 360 x 360 dpi (Max.)

Character Set: ASCII: 17 international character sets

Code Page: U.S.A., MULTI, PORTUGAL, C-FRANCE, NORWAY, E.EUROPE, TURKY853, CYRILLIC, TURKY857, ARABS, RUSSIA, GREEK869, USSRGOST, ISO8859, GRK 437, GRK 851, GRK8859-7, GRK 1253, ARAB NLS, ARAB EXT, WIN LAT1, WIN LAT2, ISO LTN1, ISO LTN2, TUR8859-9, ISO LTN9, KBL, LATIN 7, PC 1256

Fonts: Draft, 8 kinds of the LQ fonts: (Roman, Sans Serif, Courier, Prestige, Script, OCR-A, OCR-B, Orator)

Bar Codes: EAN-13, EAN-8, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Code 39, Code 128 B, Code 128 C, Codabar

Character Pitch: ASCII: 10 CPI, 12 CPI, 15 CPI, proportional

Line Space: 1/6 inch, 1/8 inch, or programmable in 1/360 inch increments

Paper Feeding Speed (Max): 5.0 inch/s (feeding continuously) / 44ms feeding one line (1/6 inch)

Printing Direction: Bi-directional logic seeking

Emulations: EPSON ESC/PK2, OKI 5530SC, IBM 2391

Interfaces: USB interface: 2.0 Full-Speed, Parallel interface: Centronics (IEEE1284 NIBBLE), Ethernet interface (10/100Base-T)

Input Buffer: 256 KB

Control Panel: 4 buttons and 4 LED lights

Printing width: 82 column (10cpi/8.2 inches)

Paper Feed Type: Cut sheet - Load and eject from front, load from front and eject from rear; Continuous paper - Load from rear and eject from front

Continuous Paper: Width: 2.4 ~ 11 inches

Cut sheet: Width: 2.1 ~ 11.7 inches / Length: 2.6 ~ 21 inches

Max. Paper Thickness: 0.078 inch

Copies: 7-part forms

Paper Handling: Paper edge detection, skew detection, black mark detection, paper thickness auto-adaption, full slot paper feeding

Physical Dimensions: 16.6 inches (Width) × 9.4 inches (Length) × 7.9 inches (Height)
Weight: 11 lbs.

Power Supply: Input voltage: 120 V (AC); Frequency: 60Hz

Noise: <55 dB (A) (ISO7779 standard)

Ribbon Life: 10 million characters (draft mode)

Speed (ASCII)		
Speed	10 CPI	12 CPI
Normal Speed	150 CPS	180 CPS
High Speed	300 CPS	360 CPS
Super High Speed	420 CPS	504 CPS

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