

PC Operation Software User Manual



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Preface

Thank you for purchasing our product. We hope this user manual can provide you helpful information during your working.

This User Manual is giving instructions for PC software operation by the following content:

- Setup Instruction: introduce how to setup the software
- Operation Instruction: introduce by detail the device connection, setting and file editing, printing, ect.
- Appendix: other relative content, terms ect.


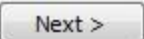
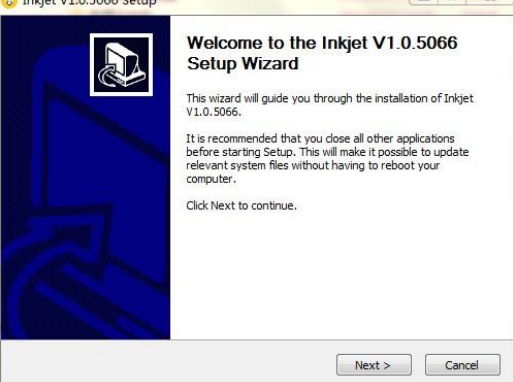
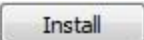
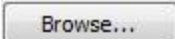
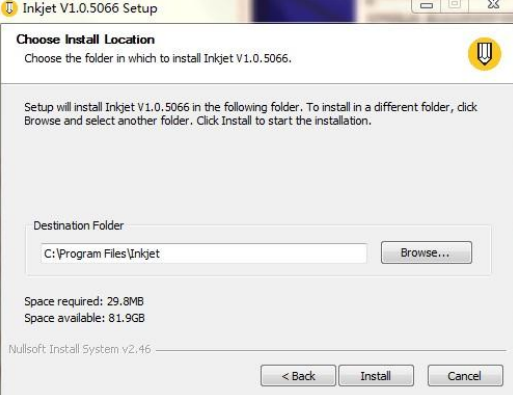
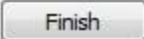

How to make use of this manual?

Please read this user manual carefully and pay more attention for the precautions before first use. It also provide you quick reference solutions to some related problems during use.

Note 1: If you cannot solve the problem encountered during use, please contact us for assistance.

Note 2: The information contained herein is subject to change without notice. The amended information will be updated in user manual by new edition.

Chapter One : Software Setup

<p>Click  <u>Inkjet_Setup_5622.exe</u> to install this software</p> <p>1. Select a language “English” or “Chinese”, click  to install ;</p>	 <p>The dialog box is titled "Installer Language". It contains a yellow icon of a notepad and pencil. The text says "Please select a language." Below this is a dropdown menu with "English" selected. At the bottom are "OK" and "Cancel" buttons.</p>
<p>2. Click </p>	 <p>The window is titled "Inkjet V1.0.5066 Setup". It has a blue background with a white icon of a printer and a document. The text says "Welcome to the Inkjet V1.0.5066 Setup Wizard". Below this, it says "This wizard will guide you through the installation of Inkjet V1.0.5066." and "It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer." At the bottom are "Next >" and "Cancel" buttons.</p>
<p>3. Choose route and click </p> <p>Note : Default route is under: C:\(Program Directory)\Inkjet (Program Directory) depends on Windows language, for example “ Program Files”).</p> <p>If needed to save to another folder, click , and choose.</p>	 <p>The window is titled "Inkjet V1.0.5066 Setup". It has a yellow icon of a notepad and pencil. The text says "Choose Install Location" and "Choose the folder in which to install Inkjet V1.0.5066." Below this, it says "Setup will install Inkjet V1.0.5066 in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation." There is a text box for "Destination Folder" with "C:\Program Files\Inkjet" entered. To the right is a "Browse..." button. Below the text box, it says "Space required: 29.8MB" and "Space available: 81.9GB". At the bottom are "< Back", "Install", and "Cancel" buttons.</p>
<p>4. When installation finish, click </p> <p>Note: While installation, a processing bar appears, after finish, the right dialog box shows up, and the shortcut created on desktop.</p>	 <p>The window is titled "Inkjet V1.0.5066 Setup". It has a blue background with a white icon of a printer and a document. The text says "Completing the Inkjet V1.0.5066 Setup Wizard". Below this, it says "Inkjet V1.0.5066 has been installed on your computer." and "Click Finish to close this wizard." At the bottom are "< Back", "Finish", and "Cancel" buttons.</p>
<p>Note: click  <u>Inkjet</u> on your desktop or from the start application to run PC software</p>	

Chapter Two: Operation Instruction














This Chapter introduces the detailed operation of this PC software, including: printing management, files management, system management, tools, connection, about and the status bar.

2.1 Interface

After starting, main interface (File Management) appears

Note: When not connected with printer, the icons of printing management, system management, tools management and status bar are invalid.



Icon		Printing Management	Search and preview file, start/stop printing, set printing delay value, and set printing initial values.				
		File Management	Search//preview, create, edit, delete, import and export files.				
		System Management	System setting, editing options, printing options, user management, and special features.				
		Tools Management	Image logo, system upgrade, system backup, system log, system resetting.				
		Connection Management	Connect printer and PC software to realize remote control				
		About	Information displays: 1. Hardware version; 2. Device software version; 3. machine serial number; 4. customer code; 5. PC software version.				
Status bar	Ink	USB	Encoder	Photocell	Ethernet	Device status	UV status
							

2.2 About


Click  to see software information interface.

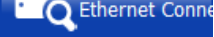
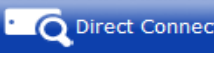
Information displays:

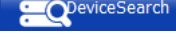
PC software version, device software version, hardware version, running time, machine serial number, customer code.

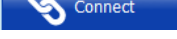



2.3 Connection Management

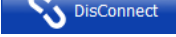
Click  enter the connection management interface.

A.  indicates connect PC and printer via LAN, click it will switch to , this will allow PC and the printer connect directly.

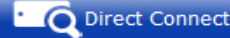
B. click  to search all devices in a network.

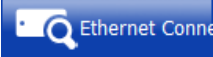
C. select device and click , progress bar will display.

D. after connected, customer can click  to rename the device.

E. click  to disconnect.



Note: 1. : PC and printers need to be in the same network.

2. Directly connect PC and printer with a cable. While switch to , software will modify PC's IP address to connect with printer automatically, when get back to "Direct Connect", IP address change back.

3. One printer can not be connected by two PC.



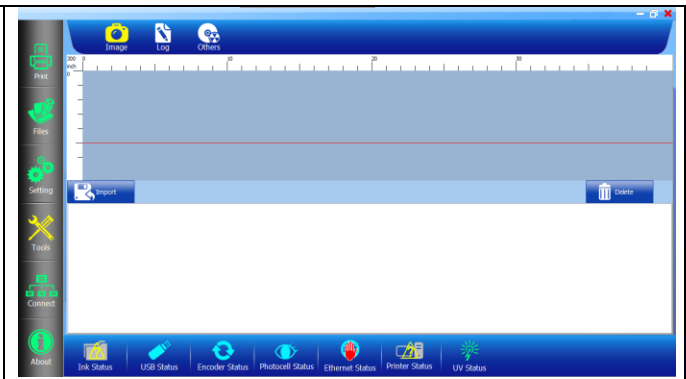








4. While printer and PC is connected by cable, default IP address is: 192.168.123.150;

If printer connected in LAN, IP address will be allocated by system.








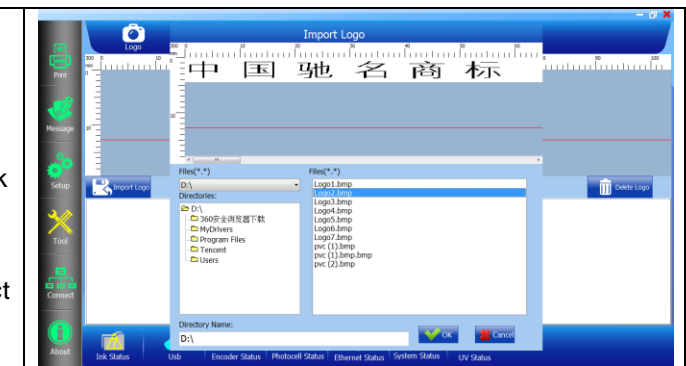
5. This software only support single network adapter, while using double network adapters and need connect with printer directly, IP address of PC need to be modified manually;

6. While connecting, do not pull out the network cable directly, need to disconnect firstly.


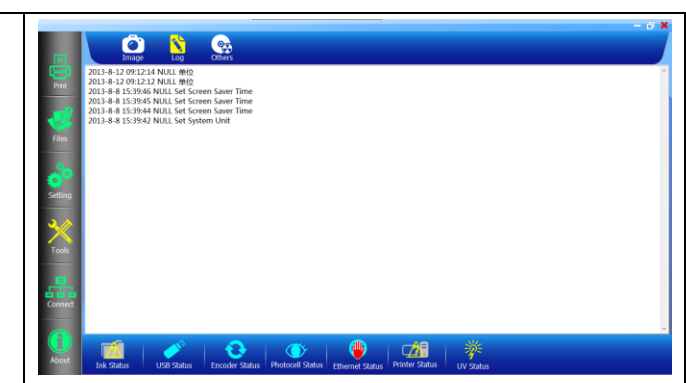
2.4 Tools Management

 <p>Click  enter Tools Management interface.</p>	
	 , 
	<p>All operation activities including operator, operation and operation time will be displayed.</p>
	 (system reset)  (import/export backup)  (software/language/font upgrade)


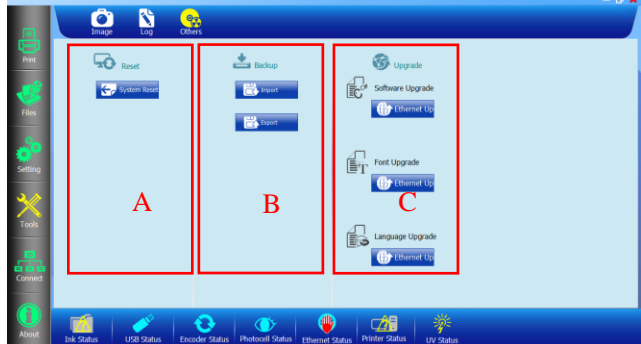

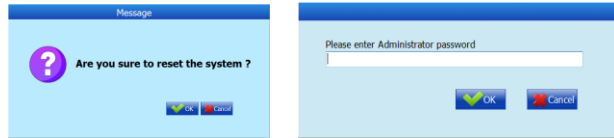




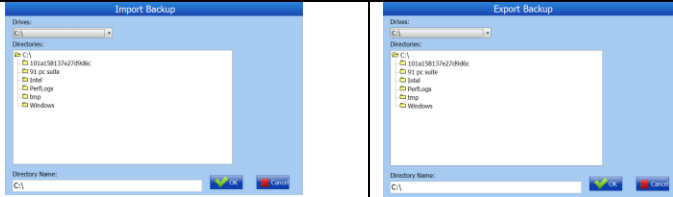



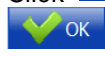


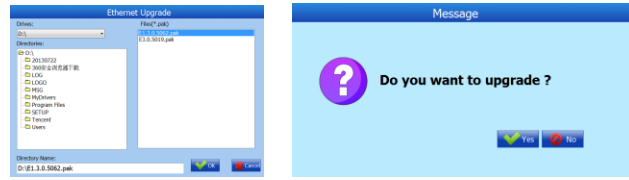



2.4.1 Image Management

<p>Click  , enter Image Management interface.</p> <p>A. Image import: click  to select image, click  to confirm or click  to cancel.</p> <p>B. Image delete: select image, click  , select  to confirm or  to cancel.</p>	
<p>Note: 1) A prompt box will display if image imported exceed the required size, and the beyond part will be hidden. 2) Can multiselect images and import at the same time, maximum image number is 100pcs. 3) Image format: single color bmp format; height: 0-150 pixels; length: 0-10000 pixels.</p>	

2.4.2 System Log

<p>Click  , enter System Log viewing interface.</p>	
<p>Log including</p>	<ol style="list-style-type: none"> 1) The printing activities: initial values setting. 2) The file create, edit and delete activities, import and export activities. 3) All operation activities in system management (including touch screen correction). 4) Image import and delete activities, system upgrade, backup, and reset activities.


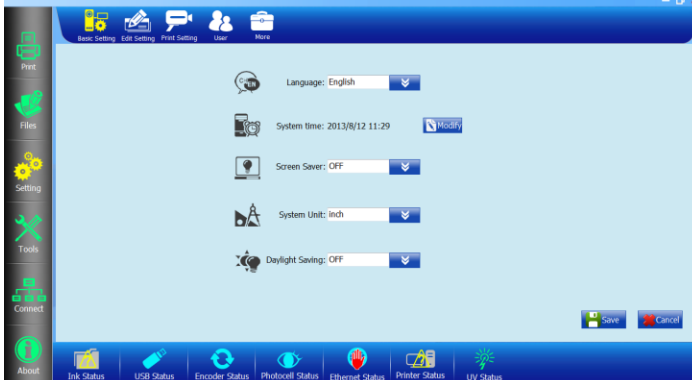







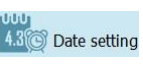


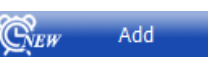


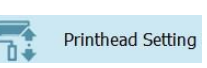
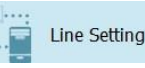

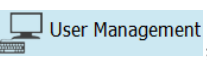

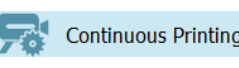


2.4.3 System Management

<p>Click  enter the System Management interface.</p>	
<p>A.  System Reset</p> <p>Note:</p> <ol style="list-style-type: none"> 1) System Reset password is the same as Administrator password. Default password:888888; 2) During system reset, do not cut off power or turn off. After resetting, printer will reboot. 	
<p>System Reset Steps: click , prompt box appears, click  to confirm and input the password; or click  to cancel.</p>	
<p>B.  Backup</p> <p>Note:</p> <p>Backup includes: file editing, printer settings, images, system log, excluding software, fonts, languages, status.</p>	
<p>Backup Import</p>	<p>Click , select file and click  to import.</p>
<p>Backup Export</p>	<p>Click , select save path, user can type backup name in “Directory Name” column, click  to export.</p>
<p>C.  Upgrade</p> <p>Click , select needed file to upgrade.</p> <p>Note:</p> <ol style="list-style-type: none"> 1) Software upgrade documents, language documents, font documents can only be identified when they are packed by the conversion tools provided by our company. 2) The default language, fonts are not replaceable and cannot be deleted. 	
<p> Software Upgrade</p>	<p>Automatically searches for software upgrade documents in designated folder and displays the upgrade documents by list. User can select in the list for upgrade.</p>
<p> Font Upgrade</p>	<p>System supports two fonts; user can add another font besides the default Arial.</p>
<p> Language Upgrade</p>	<p>System is loaded with multiple languages. User can add one more language if needed.</p>









After system reset, system parameters are as follows:

Item No.	Item	Parameter
1	Language	English
2	System time	Manufacture time
3	Screen saver time	5 minutes
4	Unit	Metric/mm
5	Daylight saving time	OFF
6	Customer year	OFF
7	Date transition time setting	OFF
8	Pre-zero in date/time	OFF
9	Pre-zero in counter	OFF
10	Counter alarm	OFF
11	Counter reset	OFF
12	Pre-purge	OFF
13	Clean printhead	Standby
14	Printing direction	Left-to-right
15	Channel switch	Left channel
16	Print Recovery	OFF
17	Line speed	30m/min
18	DPI	300DPI
19	User permission management	OFF
20	Continuous output times	0 OFF
21	File management	Only 1pc system default file
22	Printing delay	30mm
23	Printing initial value	Counter initial value and data source current value.


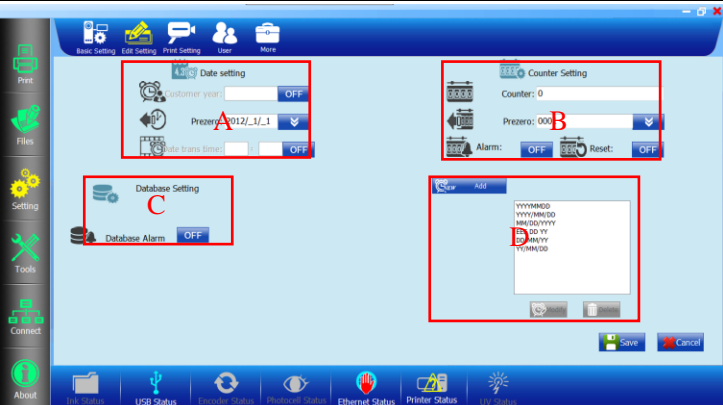









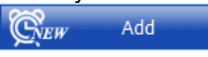



2.5 Setting

 <p>Click Setting, enter setting interface.</p>	
 <p>Basic Setting</p>	 Language: ;  System time: ;  Screen Saver: ;  System Unit: ;  Daylight Saving:
 <p>Edit Setting</p>	 Date setting ;  Counter Setting ;  Database Setting ;  Add ;
 <p>Print Setting</p>	 Nozzle Maintenance Setting ;  Printhead Setting ;  Line Setting
 <p>User</p>	 User Management ;
 <p>More</p>	 Continuous Printing ;  Registered Functions ;  UVLED Setting

2.5.1 Basic Setting

 <p>Click Basic Setting, enter Basic Setting Interface.</p>	
 <p>Language:</p>	<p>Default language is English.</p>
 <p>System time</p>	<p>Manufacture time as default time, can be set by user.</p>
 <p>Screen Saver</p>	<p> See Appendix 1: Terms and Definition 3.</p> <ol style="list-style-type: none"> 1) System default 5 minutes, 4 options for changeover: 5minutes, 3 minutes, 1minute, OFF. 2) If screen saver is OFF, screen enters standby status if inactive for 1 hour. 3) Screen becomes active when there's alarm or error.
 <p>System Unit:</p>	<p>Switch between mm and inch</p>
 <p>Daylight Saving:</p>	<p>Three modes for setting: OFF, European daylight saving time, US daylight saving time.</p>

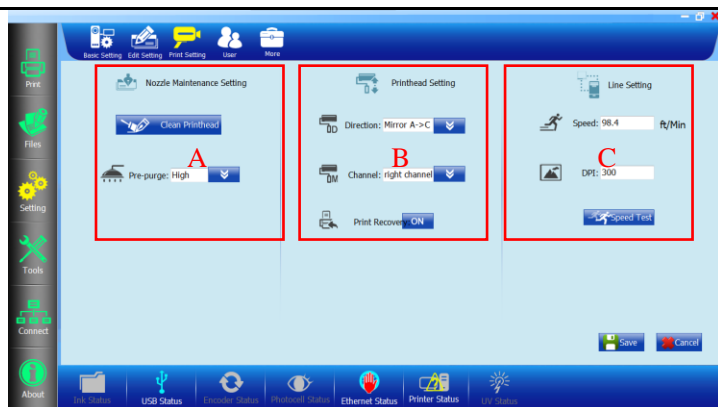
2.5.2 Edit Setting

 <p>Click Edit Setting, enter Edit Options setting interface.</p>	
A. Date Setting  see Appendix 1: Terms and Definitions 4, 5.	
 Customer year:	Customer Year setting: round number within 0~9999;
 Prezero	Pre-zero in date/time: four options: OFF, empty preposition, empty postposition, centered without zero. (e.g. 2012/05/09, 2012/_5/_2, 2012/5_2_, 2012/5/2).
 Date trans time:	Date transition time setting: according to user's requirement, while system time reach to a certain value, the printing date will change to the next day or the day before.
B. Counter Setting	
 Counter:	Production counter: setting extent: 0~99999999.
 Prezero:	Pre-zeros: four options: OFF, empty preposition, empty postposition, centered without zero (e.g. 0001, __1, 1__, 1).
 Alarm:	Counter alarm: ON or OFF option. When counter alarm is turned ON, the machine will stop printing and display prompt message when counter number reaches maximum value.
 Reset:	Counter reset: ON or OFF option. All counters will start from initial values if the counter reset is turned ON.
C. Database Setting	
 Database Alarm:	Database alarm: ON or OFF.
D. Date format setting	
Create/modify date format: Click  , create a new date format or click  to modify current format, active hidden keyboard, after input click  to save. Note: Six common date formats default; The default date formats can not be edit or delete. Forty-four more date format are addable for users. Every date format supports maximum 30 characters.	
	



2.5.3 Printing Setting






Click **Print Setting** on system management interface to enter printing option setting.





A. Nozzle maintenance setting see Appendix 1: Terms and Definitions 6, 7.




 Clean Printhead	Clean Printhead: Spray 300 rows of ink dots at one time. This function is invalid while printer is printing.
 Pre-purge	Pre-purge: four shifts: OFF, low, medium, high.

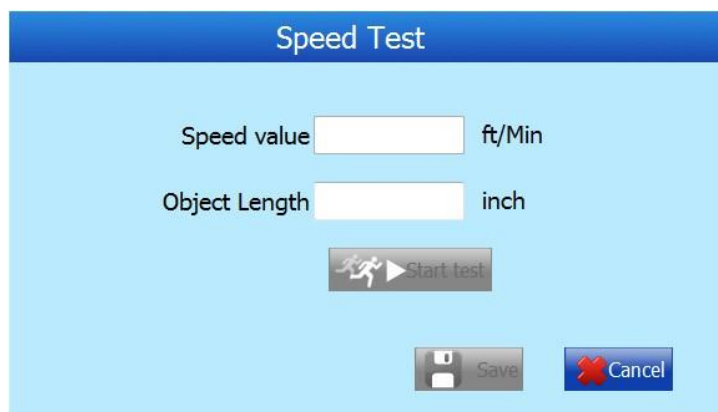
B. Printhead setting see Appendix 1: Terms and Definitions 8.

 Direction	system default from left to right. Four directions optional: left-to-right, right-to-left, mirror sides of left-to-right and right-to-left
 Channel	System default is Left channel. Channel switch: Left channel, Right channel, Dual channels
 Print Recovery	Two options: ON/OFF.



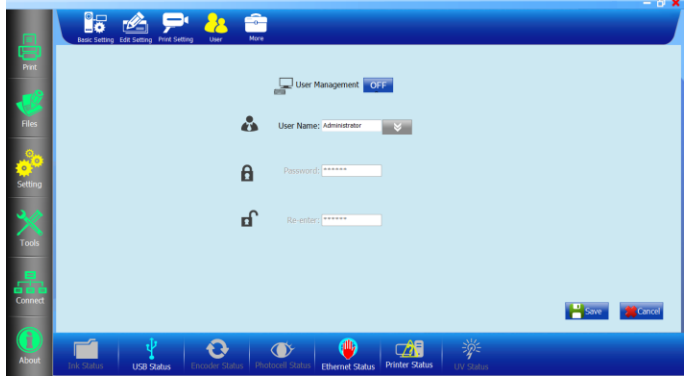
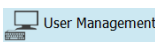
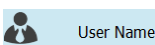
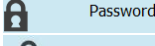

C. Production line setting

 Speed	Line speed: system default 30m/min; Adjustable scope 1~365m/min;
 DPI	DPI: system default 300DPI; adjustable scope 50~600DPI.



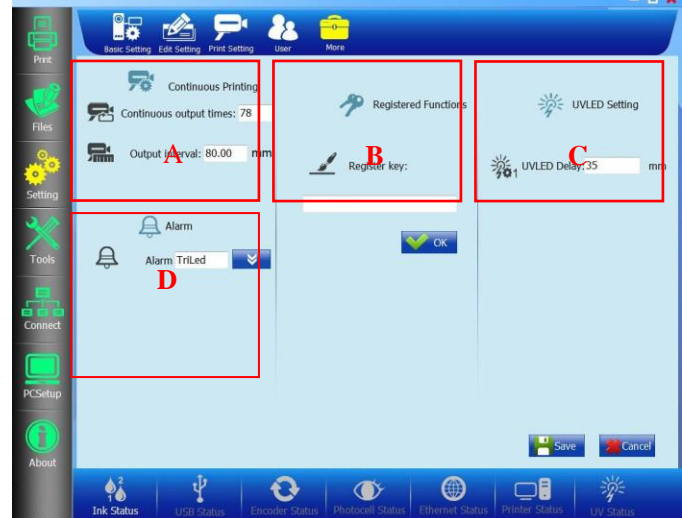

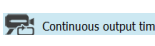
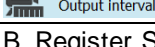
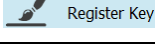
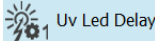

Line speed test:
a. input test object length 0~3000mm;
click  **Start test** to begin.
b. put test object onto production line, it will be detected by photocell, and the speed will be calculated automatically.
C. Click  **Save** to save or click  **Cancel** to cancel.
Note: 1. System will take average value from multiple results.
2. If encoder is connected, system can detect it automatically, and switch line speed interface to encoder DPI setting interface. User cannot change line speed setting.



2.5.4 User Management


 <p>Click  on system management interface to enter user management</p>	
	<p>User permission management switch: system default OFF. A login dialogue box requests user name and password for access to operation of the printer.</p>
	<p>User name: different names for different access permission. Administrator is of highest authority, with access to all settings including password modification. Engineer is with access to edit files, start or stop printing. Operator is with access to select files and start or stop printing.</p>
 Password  Re-enter:	<p>Password and password confirmation: administrator creates user name and set password. Maximum 16 characters for password. Default administrator password "888888". Note: Contact dealer or our company for printer unlocking when forget the administrator password.</p>

2.5.5 Special Features

 <p>Click , enter "Special Features" setting.</p>	
<p>A. Continuous printing setting.  see Appendix 1: Terms and Definitions 9.</p>	
	<p>Continuous output times: system default 0 (OFF). Adjustable scope 0~9999. Note: 0 is equal to OFF; 9999 equal to infinite.</p>
	<p>Output interval: system default OFF, adjustable scope 0~9999mm.</p>
<p>B. Register Special Features</p>	
	<p>By input registration code, some special features can be active, such as trial period, 1/2 ink saving, 1/4 ink saving, external data printing expiry period ect.</p>
<p>C. UVLED setting</p>	
	<p>Set UV delay distance, only available when connect UV device.</p>
<p>D. Warning Option</p>	
	<p>User can choose warning light or production line warning, production warning includes stop printing, device error, ink use-up and ink warning.</p>

2.6 Files Management





Click , enter File management interface.



2.6.1 Create/ Modify File

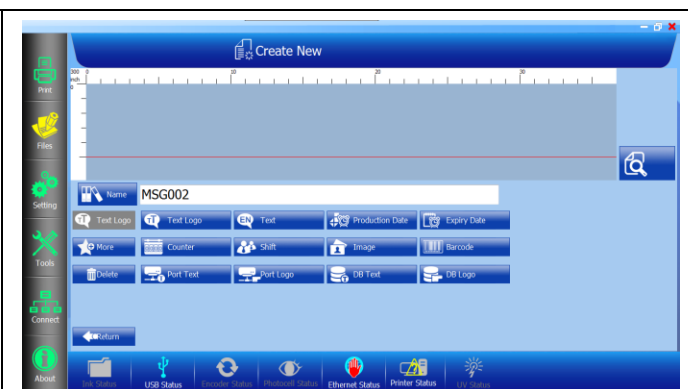


Click  to create a new file, or click  to modify, and enter file edit interface.

Note: 1) "MSG001" is default file in system, not editable and not erasable.


2) File in printing cannot be edited.

3) File name: maximum 15 characters (alphabet or numeric), empty file name or repeated file name not allowed.

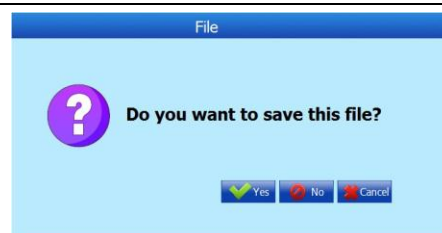


Click  to add object.

Click  to delete object.


When finish editing, click , a dialog box appears, ask if save or not.

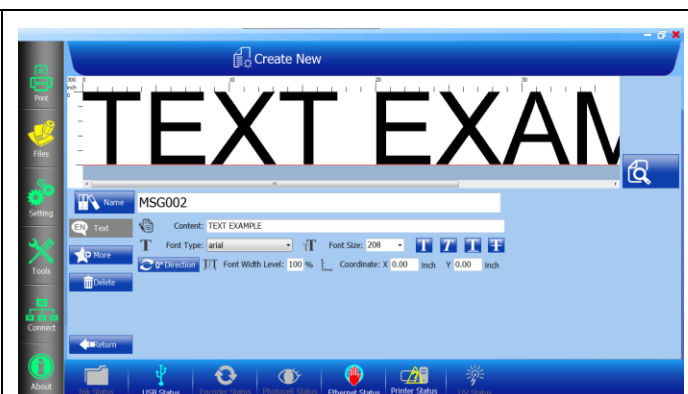
Note: The system will not save empty file.












2.6.2 Add Text Object





Click  to add text object.






 Content	Text content cannot exceed 50 characters.
 Font Type	Default font Arial, support 2 fonts at same time, Arial and one alternative font.
 Font Size	Height: 1-12.7mm, can be modified.
 Font Style	Bold; italic; underline; strikethrough;
 0° Direction	0; 90; 180; 270°;
 Font Width Level	10-300%;

 Coordinate	Coordinate location: adjustable range for X axis 0-3000mm; for Y axis, 0-12.7mm.
 Note: Please refer to this section for adding other objects, but the content of “production date”, “expiry date”, “counter”, “shift” cannot be revised or adjusted directly. Font, height, content and font effect of “image Logo” cannot be revised directly. There is no option of horizontal scale “  ” for “logo” and “barcode”.	




2.6.3 Add Text Logo

Click  Text Logo to add Text Logo. In file preview interface, Text Logo can stretch to resize in horizontal, vertical direction and also with 45 degree. Single Text Logo object can support maximum 50 Chinese characters. Note: On the printer, no Text Logo function.	
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2.6.4 Add Production Date

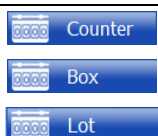
Click  Production Date to add “production date”	
 Format	Date format setting, choose date format from the menu;

2.6.5 Add Expiry Date

Click  Expiry Date to add “Expiry Date”	
 Expire	Input expiry data by day.

2.6.6 Add Counter

Click  Counter to add counter.



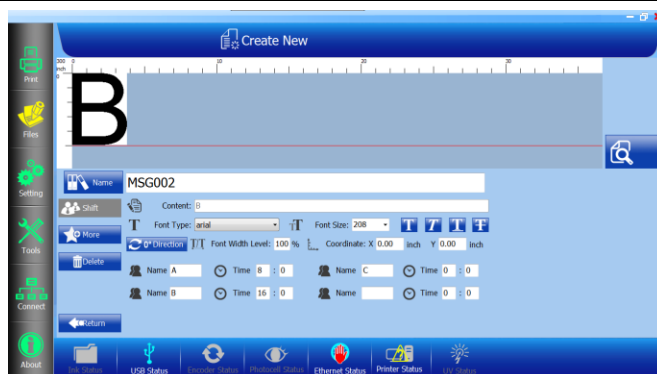
Can switch between “Counter”, “Box” and “Lot”.


On right side can set parameters like: minimum value, maximum value, stepping value and repetition number.

Note: There is no repetition number setting for Box and Lot, one file can only add one Box and Lot data; while no box created, lot number can not be added.


2.6.7 Add Shift Code

Click  Shift to add Shift Code.



 Name

Shift name: maximum five characters (alphabet or numeric).

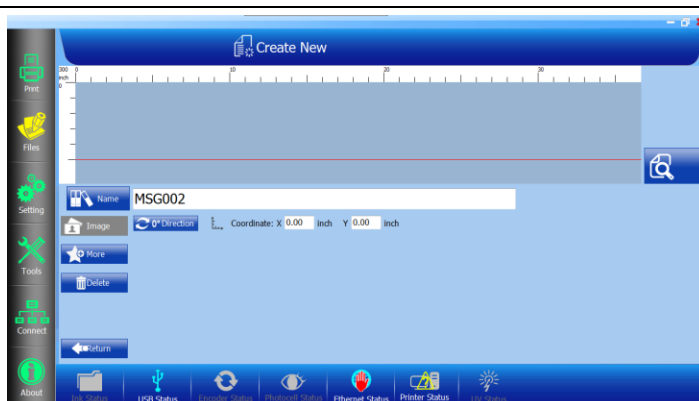
 Time

Shift time: four different times for setting. Shift code changes according to different time periods.












2.6.8 Add Image

Click  Image to add image.





Choose image from the name column.



2.6.9 Add Barcode

<p>Click  Barcode to add barcode.</p>	
 Type	Support 12 types of common barcodes.
 Width Level	1~8 horizontal scale levels
 Content	Input requirement may differ depending on different barcode types
 Show Text	2 options: "Text Display" or "Text Hide"
 Height	Barcode height
 Font Size	Barcode text height.
Barcode can include data source:	
<p>Note: Setting options may differ according to different barcode types. 2D barcodes can set "white gap level" and "error correction level".</p>	
 Gap	Can set "white space level", switch from 0-4 levels.
 EC.Level	Can switch "error correction level" from 1-4 levels.

2.6.10 Add External Text

<p>Click  External Text to add external text.</p> <p>Precautions: A.Select data source; B.Confirm communication protocol.</p>	
 Type	Data Source Type: DB15, USB, Ethernet
 Protocol	Communication Protocol: Standard、OEM-XXX

2.6.11 Add External Image


Click  External Logo to add external image.

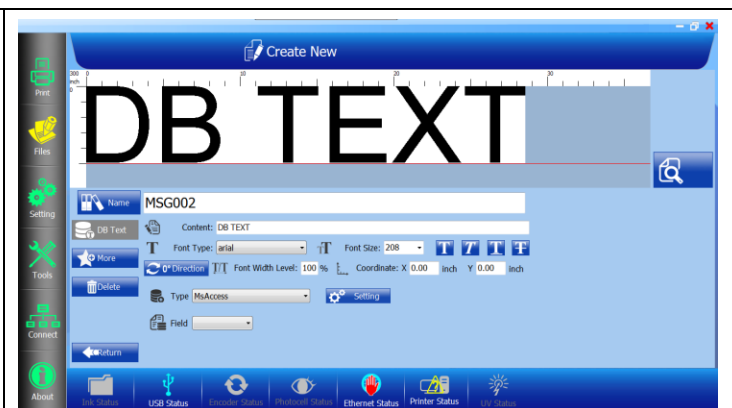
(Refer to Section 2.6.10 for Precautions part)







Note: Image format: single color in bmp format;
Image height:0-150 pixels;
Image length:0-10000 pixels.

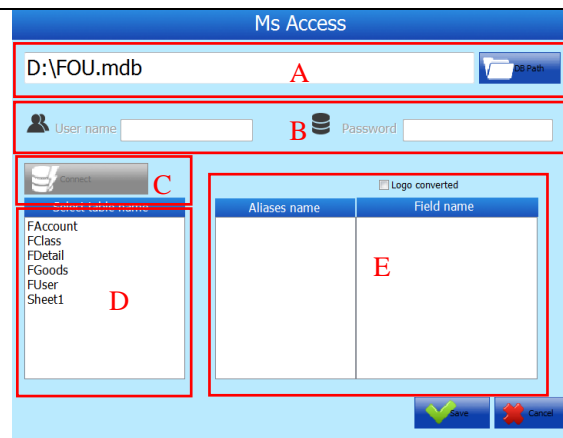


2.6.12 Add Database Text


Click  DB Text to add Database Text file.
Note: For now we only support database in alphabet and numeric, if database include other things for example Chinese, user can use Database Logo for this content.



 Type	Support database files, such as MS Excel, MS Access, CSV, SQL etc.
 Setting	<p>Database setting steps:</p> <p>A.Click  to choose the database file needed.</p> <p>B.If the database file is password protected, input “user name” and “password” to unlock.</p> <p>C.Click  to connect this database.</p> <p>D.Select the table need to be printed from the database.</p> <p>E.Select field of the list, click  to save and import.</p>
 Field	After saving and import the database, can select other field to modify the printing content.

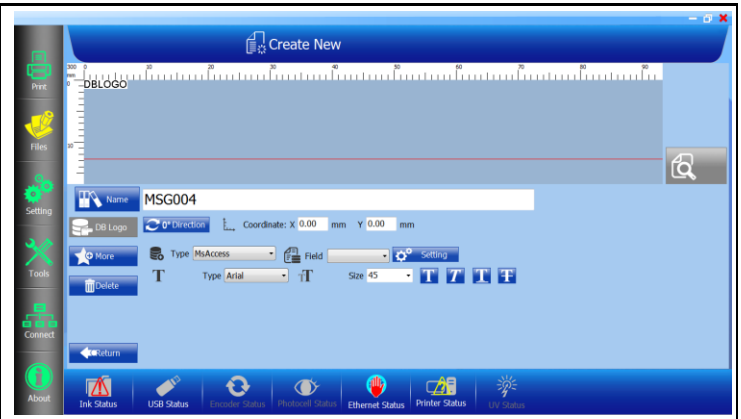


2.6.13 Add Database Image

Click  DB Logo to add image from database.

Note: When the database includes other content such as Chinese, it will be reverted into Database image format and forwarded to the printer.

(Steps please refer to Section 2.6.12)



Database printing notices:

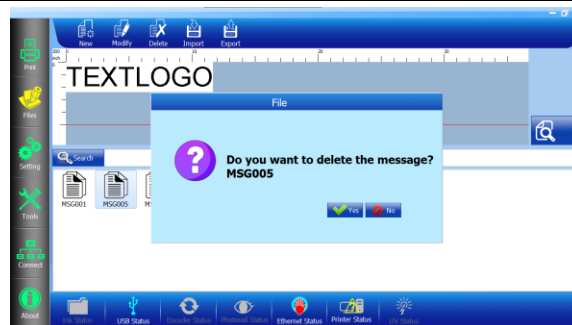
1. Don't support Office2003
2. Don't support encrypted files of Excel
3. Don't support use the same file with Office version before Office2010

2.6.14 Delete File.



Click **Delete** to delete file, a dialogue box appears for your confirmation.

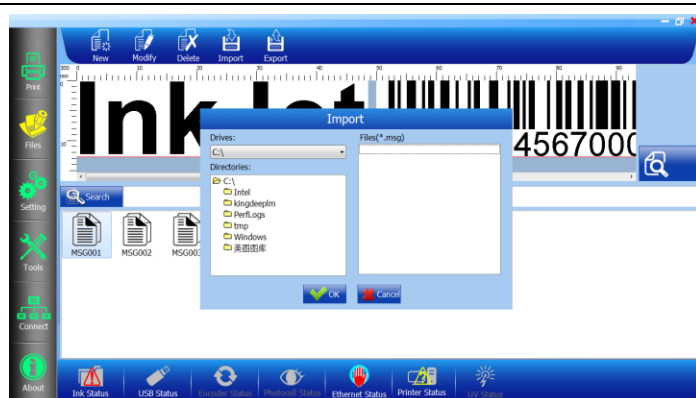
Note: Default file or file in printing cannot be deleted.



2.6.15 Import File



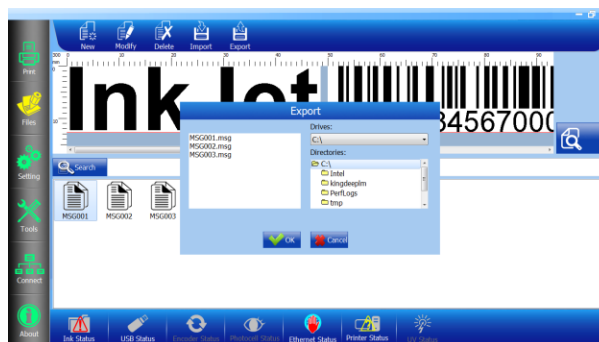
Click **Import**, select or multiselect the file(s), click **OK** to import or **Cancel** to quit.



2.6.16 Export File



Click **Export**, choose the saving path, click the file(s) and choose **OK** to export or **Cancel** to quit.



2.7 Printing Management



From the left column, click enter printing management interface.

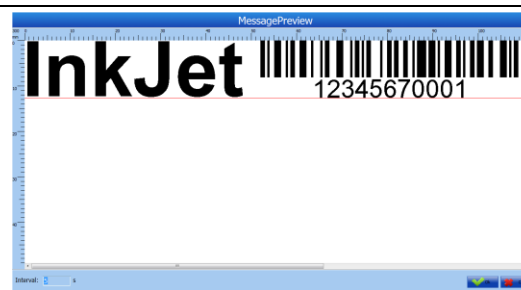
Note: Connect with printer first.

1. Connect with printer (refer to section 2.3)
2. File Edit (refer to section 2.6)



2.7.1 Search/Preview File

A. Search file	Search by Pageup/Pagedown/keywords.
B. Preview file	Preview file by locating or selecting a file to display on preview interface; file selected will be displayed in sequence.
C. Preview	<p>Select file, click , a preview interface appears.</p> <p>Note: by <input type="text" value="Interval: 5 s"/> can set simulated printing interval time.</p>



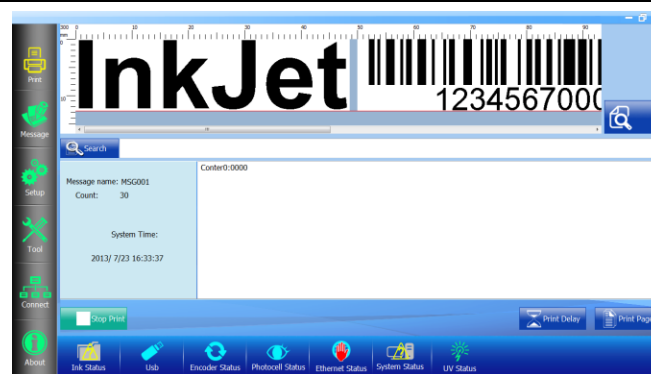
Note: Drag the scroll bar horizontally to view the data when it exceeds the screen.

2.7.2 Start Printing/ Printing Report /Stop Printing



Click to start printing, a printing report will be shown on screen.

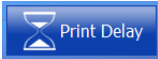
Printing report: It is the timely record of printing in process, including data file name in processing, print output quantity, counter value, shift code, system time. The printing report will turn off when printing stops.




While printing, click to stop and get back to printing management interface.





2.7.3 Printing Delay

Click  to Printing delay setting.

 [See Appendix 1: Terms and Definitions 1](#)

Printing delay

Printing delay 1.2 inch




A. Printing delay default value: 30mm;


B. Printing delay value range: 0.0-999.9mm;

C. It is allowed to set printing delay value during printing process: the setting valid for next printing.

D. Printing delay value for each message are independent, the delay setting for current file will not affect others.

2.7.4 Print Initial Values

Click  , enter printing initial values setting.

 [See Appendix 1: Terms and Definitions 2](#)


Initial value setting


Current Value



Counter1: 1

Repeat Index








1







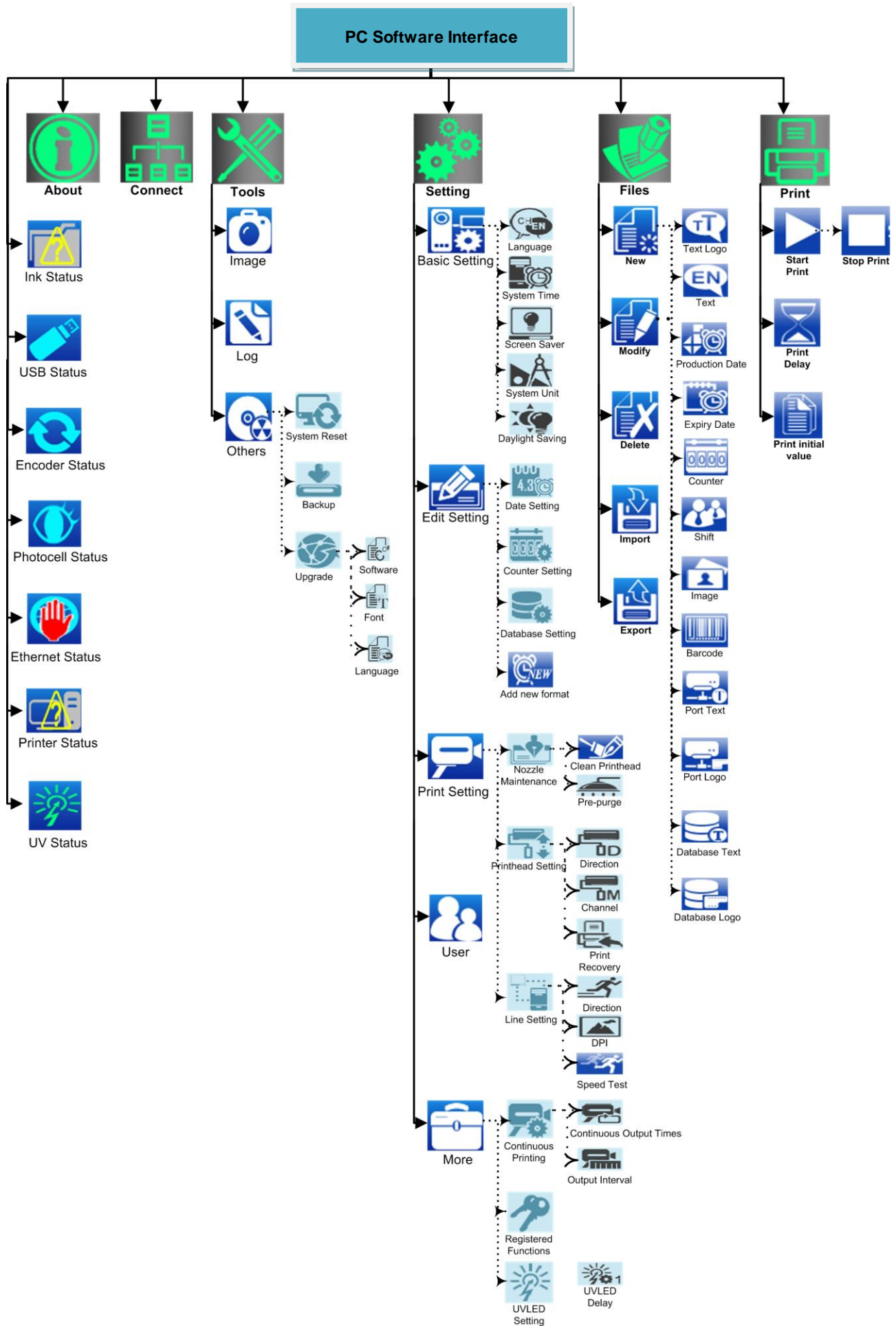
2.8 Status Bar

	Ink status	<p>Ink information includes dynamic and static information. Static information includes cartridge serial number, customer code, cartridge type. Dynamic information:</p> <ol style="list-style-type: none"> 1) ink standard volume, and prospect print output for current data. 2) Ink used percentage, prospect print output for current data. <p>Ink status icons include:</p> <ol style="list-style-type: none"> 1) Normal: Normal ink status.(if no cartridge shows grey); 2) Warning: ink amount lower than 10%; 3) Error: wrong cartridge, or ink used up.
	USB status	<p>Automatically displays by icon for equipment connected to USB port. Support three devices: USB disk, mouse, and keyboard. Status: not connected (grey), normal connection (green)</p>
	Encoder status	<p>Displays encoder or photocell connection status: unconnected (gray) and connected (green).</p>
	Photocell status	
	Ethernet status	<p>The printer connection to computer is realized by Ethernet port, therefore realizes equipment operation and upgrade transmission on PC end. Information includes display IP, mask code, gateway, PC IP. Status includes: Unconnected (gray); connected (green, interaction with PC software normal); Warning (yellow, interaction with PC software wrong, connection failure, software on PC not activated, computer not switched on etc.).</p>
	Printer status	<p>Hardware and software status in printer. (e.g. Printing status)</p>
	UV status	<p>UV status including: device type, software version, hardware version, serial number, running time.</p>

Appendix 1: Terms and Definitions

S.N	Terms	Definition	Comment
1	Printing delay	It is the distance from the point when photocell senses the printing object to the point when printing starts. User can adjust the value to alter the print position on printing object.	E.g. Printing delay value is 30mm, printer starts printing at 30mm later after the photocell senses the printing object.
2	Printing initial value	It is beginning value in printing process for print data.	E.g. Set the initial value as 9, the counter counting starts from 9 for first print.
3	Screen saver time	It is a power saving function, the screen will automatically turn off and enter standby mode when the screen is inactive for a time period as set.	E.g. Set the screen saver time as one minute. The screen will automatically turn off and enter standby mode if the screen becomes inactive for one minute.
4	Customer year	It is the special year on customer demand. Customer can change the year in date format by any round number within scope.	E.g. The system date is 2012/07/31. Supposed the date by customer is 2010/07/31, customer can set the year in date as 2010. Then the date shown on the print will be 2010/07/31.
5	Date transition time setting	When system time reaches certain point, the printout date and time will be that of the next date or a before date.	E.g. Current date and time is "2012/07/31 8:00", set the date transition time as "10:00", the printout date and time before 10:00 will be 2012/07/30, after 10:00 the date will be 2012/07/31; Current date and time is "2012/07/31 13:00", set the transition time as "14:00", the printout date and time before 14:00 will be 2012/07/31, after 14:00 will be the next day "2012/08/01 14:00".
6	Pre-purge	Ink becomes dry on nozzle plate during use. The dried ink will make the print not clear for half of first character. To prevent this phenomenon, user can turn this function ON.	When Pre-purge function is turned ON, printer will spray a little ink at optioned level during idle period in printing process to keep nozzle plate warm and moist so as to eliminate dried ink phenomenon.
7	Clean Printhead	Customer can use this function to purge nozzles.	Purge whole nozzle plate, make sure nozzles are unblocked.
8	Channel switch	Customer can switch for different channel to achieve best print quality according to print need and nozzle channel condition	E.g. At option of single-channel printing, when there are damage in left channel nozzle or there are missing dots in print by left channel, user can switch to right channel printing. At option of dual-channel printing, left channel and right channel will work at same time for printing to achieve darker print and best print quality.
9	Continuous printing	Multiple outputs of same print during one session of period photocell sensing the print object.	
10	Printing Recovery	When there is a power failure, and the setting is "ON", system will go back to the last printing status and resume printing when power gets back. The default setting for this function is "OFF"	When the printing contains counter, and the Printing Recovery setting is "ON", operator need to check on the counter value and do needful adjustment.

Appendix 1: PC Software Function Tree



High Resolution Inkjet Printer