UniNet



PRINT ON DEMAND

<u>iColor® 600 A3 / Tabloid Digital Color + White</u> <u>Transfer Media Printer User Manual</u>



Table of Contents

iColor [®] 600 Model Summary	Page 3
Installing Consumables	Page 4 - 8
Printer Software Installation Instructions – USB Connection	Page 9 – 11
Printer Software Installation Instructions – Network Connection	Page 12 - 14
iColor [®] TransferRIP Information	Page 15 - 16
iColor [®] 600 Printing Fluorescent	Page 17
iColor [®] 600 Consumables	Page 17
Replacing toner and drum cartridges	Page 18
iColor [®] 600 Printing Tips	Page 19
iColor [®] 600 Printer Specifications	Page 20

Refer to the included Flash Drive or CD with your printer for in depth instructions. iColor[®] TransferRIP license code will also be provided on drive or CD.

October 2016 Edition – A newer version of this manual may be available at www.icolorprint.com/support

<u>iColor® 600 Tabloid Digital Color + White Transfer Media Printer</u>

The iColor[®] 600 printer has been developed to produce high-quality color prints with the added functionality of printing in white as a spot color, underprint or overprint in one pass with the included iColor[®] Transfer RIP Software.

Please follow the enclosed quick setup guide to get started. The standard user manual (provided on CD enclosed) will provide detailed instructions for full printer functionality. The iColor[®] 600 comes complete with 4 toner cartridges for full color with white printing (CMYW), as well as a true black printing kit (toner and drum combination). Just quickly swap the white for black when true black is needed. With the white cartridge installed, black is produced using composite black (made from CMY).

You will also have the option to add our full fluorescent kit which comes complete with 3 [CMY] toner cartridges and matching drum units. This system requires no additional software or expertise to print conventional CMYK images in vivid fluorescent color that glow under black (UV) light. In addition, add exclusive iColor[®] security and clear toner options at any time.

Please note that vector and line art images, including text, are likely to produce the best results. For exciting design ideas and suggestions for using the iColor[®] 600 for maximum effect, please visit our website at <u>www.icolorprint.com</u>.

iColor[®] Premium Transfer media has been optimized to provide quality results when used with the printer, enabling the user to produce eye-catching designs which may be applied to a variety of textiles and surfaces.

Installing Consumables

1 Insert your finger into the recess on the right side of the printer and pull the front cover open lever (1) to open the front cover (2) forward.

! Note

• Open the front cover gently. If opening rapidly, an MP tray may open.



2 Press the top cover open button (3) and open the top cover (4).



3 Take out all four image drums from the printer.



- 4 Remove the protective sheets from four image drums.
 - Place an image drum on a newspaper. Remove a tape (6) stuck on a protective sheet (5) and open it.



(2) Pull out a protective sheet to the direction of the arrow.





• Do not turn the blue lever of the toner cartridge.

UniNet 3232 W. El Segundo Blvd., Hawthorne, California 90250 | sales@icolorprint.com www.icolorprint.com 5 Put all four image drums back into printer.



6 Turn the blue lever (7) of the toner cartridge in direction of the arrow fully. Turn the levers of all four 4 toner cartridges.



UniNet 3232 W. El Segundo Blvd., Hawthorne, California 90250 | sales@icolorprint.com www.icolorprint.com

NOTE: The white cartridge that came preinstalled in your machine is already in the locked position. Just remove the protective covering - it is not necessary to move the blue handle. It is also necessary to remove the fuser lock.



7 Close the top cover (4) by pushing the both sides of the cover firmly.



8 Close the front cover (2).

! Note

- The front cover cannot be closed securely if the top cover is not closed.
- When the error message that the top or front cover is open does not disappear from the operator panel's display screen, make sure they are closed securely.



Installing iColor® 600 printer on a PC

These following instructions are for Windows 7, 8, and 10 via USB and Network. You must have Administrator privileges on the computer to proceed.

USB Setup:

- Unpack the printer according to the Set-up Guide. Do not turn on or connect your iColor[®] printer to the computer until the install program asks you to do so. Doing so can cause errors during installation.
- 2. Locate the installation file on the USB drive or CD that was shipped with your printer and double click to launch the setup program.



3. Click continue to install the iColor[®] 600 driver.



		Pre-Installation Check
4.	Agree to the terms of the Software License	Welcome to the driver installation Wizard
	Agreement, then click next to start the driver installation wizard.	You will be guided through the steps for installing drivers and other software for your device. Before you begin, please check the following: For devices connected to a network: The device must be switched ON, connected to the network and have the correct IP address and other settings.
		For devices connected locally such as with a USB cable: The device must be switched OFF and not connected to your computer.

5. Chose 'Easy Installation (Local) for USB Setup.

Please	e choose an installation type.
	Easy Installation (Network)
	Easy Installation (Local)
	Custom Installation
	< Back Next > Cancel Help

< Back

Next >

Cancel

Help

 Once the following screen has been reached, it is now safe to connect the printer and computer via USB and power on the printer.

istalling	
	Installing drivers and applications
	Step 1. With the device powered off, connect your device to your computer.
	Step 2. Switch on your device.
	If the screen does not change when you connect the device, click "Install using another port", and continue with the installation.
	Install using another port

Click finish to complete the installation, or simply allow the screen to close automatically.

You can ch settings by c	ange the default printer from the list below or change the defa
	This screen will close automatically in 19 seconds.
	Success
	Property settings

Network Setup:

- Unpack the printer according to the Set-up Guide. Connect the printer to your network via CAT 5 cable and power on the printer. Your network will automatically assign an IP address to the printer, but it is suggested that you program a static IP address to the printer to avoid possible reassignment of the IP address should the machine be powered off.
- 2. Locate the installation file on the USB drive or CD that was shipped with your printer and double click to launch the setup program.



3. Click continue to install the iColor[®] 600 driver.

UniNet iColor 500 Installer	
UniNet	About to install the UniNet IColor SUU Printer Driver
iColor	

 Agree to the terms of the Software License Agreement, then click next to start the driver installation wizard.



 Chose 'Easy Installation (Network) for Network Setup.

Choose installation type	×
Please c	hoose an installation type.
	Easy Installation (Network)
[Easy Installation (Local)
	Custom Installation
	< Back Next > Cancel Help

5. The software will search and detect the printer on your network (identified as C831). Highlight the printer, click next, and the software will be installed.



6. Click 'finish' to complete the installation, or simply allow the screen to close automatically.

You can settings b	change the default printer from the list below or change the defau y opening the driver Properties.
	This screen will close automatically in 19 seconds.
	Success
	Property settings



8. You are now ready to install the iColor [®] TransferRIP software. Installation software and instructions would be on the flash drive or CD that came with your printer, or they may have been emailed to you by your dealer.



Why use the iColor[®] TransferRIP?

Use the iColor [®] TransferRIP software to print fluorescent white as an underprint or overprint in one pass.

The iColor[®] TransferRIP software allows the user to manipulate the white layer behind the graphic for printing on dark or transparent media where white is needed as a background color. Two cartridge configurations are available to easily adjust for reverse printing, where white is needed as a top color for apparel. No need to create additional graphics with different color configurations – the software does it all – and in one pass! Enhance the brilliance of any graphic with fluorescent white behind color.

Print and Transfer onto:

Natural and synthetic fabrics Dark and light fabrics Beer, wine and juice bottles White, colored or clear labels Leather Dark and light paper stock Foils Transparencies with fluorescent white as a background color

Create unique items - The possibilities are endless!

T-shirts and sweatshirts Aprons Dark restaurant menus with fluorescent white print Corporate logo shirts Mouse pads Sports apparel Jackets Tote bags Signs with colored, white or fluorescent toner The iColor[®] TransferRIP is the magic behind one pass printing with white as an underprint or an overprint. The most important point of the iColor[®] TransferRIP software is that it allows colors to be put down in layers. Regular printer drivers only concern themselves with what the eye sees on the top layer, the RIP allows you to separately control each layer, thus giving you the ability to control not only what you see, but what is behind that top layer (typically the white layer). The iColor[®] TransferRIP gives you the unique ability to use one machine to print images with white as an underprint or an overprint. You can now print vibrant colors on clear or dark media regardless of the background to which it is applied, where the white is put down first and the colors afterwards. The iColor[®] TransferRIP 'Color Mapping' feature also allows for 'Reverse Printing' when printing and transferring to garments where white is put down last. This is the only way to achieve white underprint and overprint in one pass, and you will not find another machine on the market today that can do all of this. The software also allows for color manipulation and removal, cost calculation, rasterization and advanced layout tools. It comes standard with the iColor[®] 600 and as an add-on with the iColor[®] 500.

To accomplish these two features, UniNet has created two configurations to suit any printing project:

'A' Configuration is for right side printing and allows for printing white as an underprint in one pass (typically used for transparencies, clear labels, dark media or Aqua Clear paper). The black and white cartridges can be swapped within the first slot depending on your needs. This configuration is for printing standard CMYK images when the black is installed or CMYW images when white is installed. When the white is installed in the black slot, this is configured for 'Right Side Printing' where the white is printed first, as an underprint, all in one pass. In this situation, the RIP converts pure K colors to CMY composite black, and puts in white not only as a background color but also in the image where white or page white is specified.

'B' Configuration allows for printing white as an overprint in one pass for reverse printing (typically used for transfer printing). This configuration calls for a special second set of white and cyan toner and drum cartridges. For the 'B' Configuration, the white cartridge is placed in the last slot (cyan station) and the cyan cartridge is placed in the first slot (black station) of the printer. The Color Mapping feature explained in this manual overrides the basic driver of the printer and automatically sends the proper color to the proper channel. This configuration is for garment printing where white is needed as an overprint, applied on top of all the other colors. When the image is pressed to the garment, the transfer sheet is flipped over and the white becomes the underprint.

This is especially important where images have half tones and 100% transfer of the image is an issue or when there is white in the image that needs to show through for dark colored garments.

Visit <u>www.icolorprint.com/support</u> for full written and video instructions on the iColor® TransferRIP software

Printing with Fluorescent Colors

To convert your printer to fluorescent colors, swap out the cyan, magenta and yellow STD color cartridges with your fluorescent colors. If operating in "B" configuration, insert the cyan fluorescent in the first slot. The magenta and yellow go in their normal slots. The white toner is already fluorescent and just stays in place.

It is highly recommended that you use the fluorescent cartridges in "A" configuration with the black cartridge installed for best results. Fluorescent toners, by their nature, are very bright and cannot create accurate composite black. If white is needed anywhere on the image, it is suggested that you run the graphic through as a 2nd pass to ensure accurate colors.

If operating in "B" configuration for one pass printing, check your image to ensure there is no black in the image at all (No 100%K, or any composite black colors). When in the "B" configuration, the TransferRIP software will take any black color and automatically make a specific composite black color using the C, M, & Y colors which will produce undesirable results.

Most fluorescent images will be placed on a black or dark colored garment, so black would not be suggested in these cases anyway.

Ask your dealer about upgrading to security and clear toner options as well!

Use Geniune UniNet iColor® Consumables

Only use genuine UniNet iColor[®] consumables. The use of incompatible supplies (toner, drums, transfer belts, fusers) will cause damage to your printer not covered by your warranty.

Replacing toner and drum cartridges

Because the iColor[®] 600 features cartridge remapping to achieve a white underprint or overprint, it is important that you follow these rules when determining which color cartridge to order (pertains to both toner and drum units):

'A' Configuration Supplies Replacement Guide This is for white UNDERPRINT when the white cartridge is installed

Printer Display Reads:	Replace with:
Cyan low/out/empty	Cyan (Back of Printer)
Magenta low/out/empty	Magenta
Yellow low/out/empty	Yellow
Black low/out/empty	Black/White/Clear (check which cartridge is installed) (Front of Printer)

'B' Configuration Supplies Replacement Guide This is for white OVERPRINT when the white cartridge is installed

Printer Display Reads:	Replace with:
Cyan low/out/empty	Black/White/Clear (check which cartridge is installed) (Back of Printer)
Magenta low/out/empty	Magenta
Yellow low/out/empty	Yellow
Black low/out/empty	Cyan (Front of Printer)

Printing tips

There are many variables that could produce different results. Specific steps may need to be altered based on:

- Type and brand of Heat Press: The temperature and duration varies slightly based on the heat press being used. All instructions are based on using a Hotronix Fusion press. Clam shell and swing away presses may also yield different results.
- Type of image: Photos or full color graphics may require a longer press time than vector images or text
- Type of garment: Cotton, Polyester, and Spandex material all respond differently to heat. All instructions are based on cotton garments
- Toner Coverage: Halftones in image may cause undesired results. Toner coverage should not be less than 60%, otherwise there will be issues with transferring the adhesive to the transfer sheet. Halftones can be corrected when using the white overprint feature in the RIP. This will help with toner coverage and proper adherence to the garment.

Consult the iColor[®] knowledge base for specific instructions on a variety of transfer paper offered at: <u>http://www.icolorprint.com/support</u>

Technical Support Email: support@icolorprint.com

Technical Support Phone: 631-590-1040, Option 2

iColor® 600 System Specifications

Print Speed: Print Speed: Letter/A4 – up to 35 ppm Color and Monochrome; Tabloid/A3 – up to 20 ppm (Transparency setting speeds may vary) Processor: 800 MHz **Duty Cycle:** Up to 75,000 pg/mo. **Duplex**: Optional Memory: Standard 256 MB; maximum 768 MB **Resolution:** 1200 x 600 Emulation: PCL[®] 6, PCL 5c; PostScript[®] 3[™] Operating Systems: Microsoft[®] Windows[®] 8, Windows 7, Windows Vista[®], Windows XP, Windows Server 2008, Server 2008 R2 x64, Server 2003; Mac[®] OS X 10.5 and higher Interfaces: 10/100-TX Ethernet, High Speed USB v2.0 Multipurpose Tray: Standard 100-sheet; handles transfer media, card and mailing label stock Paper Cassette: 400-sheet Legal/Letter/Universal Paper Sizes (Min./Max.): A3, Tabloid, A4 (LEF), A4 (SEF), Letter (LEF), Letter (SEF), A5, Legal 13/13.5/14, Executive and banners up to 52" long **Paper Weight:** Main Tray 17 lb. bond – 54 lb. bond/ 80 lb. cover (64 – 220 gsm); 2nd and 3rd Trays 17 lb. – 47 lb. bond (64 – 176 gsm); Multi-purpose Tray 17 lb. bond – 140 lb. index (64 – 256 gsm); Duplex 17 lb. – 54 lb. bond/80 lb. cover (64 – 220 gsm) Size: (WxDxH): 17.6" x 21.7" x 14.2" (449 mm x 552 mm x 360 mm) Weight: 81.6 lb. (37 kg) **Power:** 120v or 230v