

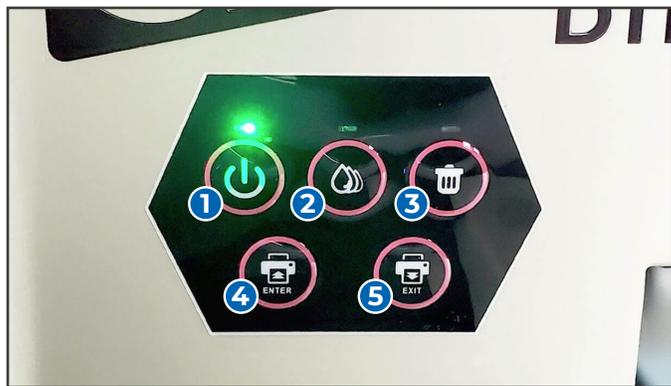


GALLERY 1390R

DTF Printer User Manual

V. 2.0 October 2024

Overview Of Main Components:



Front Left Control Panel

The front left control panel has five buttons:

- 1. POWER** - turns on power to the printer section. Solid Green = Ready, Blinking Green = Busy
- 2. MAINTENANCE** - Releases the print head from the capping station for access to manual cleaning.
- 3. END JOB** - Press at the end of a job, or press during a job to cancel a job in progress.
- 4. ENTER (REVERSE)** - pulls film back into the printer.
- 5. EXIT (FORWARD)** - pushes film forward out of the printer.

Note that the front panel Green LED must be ON whenever the PC wants to communicate with the printer



Front Right Control Panel

SET - used when you want to set the target temperature (40 degrees Celsius is default).

PLUS (+) - increases the target temperature.

MINUS (-) - reduces the target temperature.

CONFIRM - saves the new target temperature to memory. The platen heater dries the color ink layers so that white ink can be printed on top almost immediately.

Overview Of Main Components (Continued):



LED To Monitor White Ink Circulation

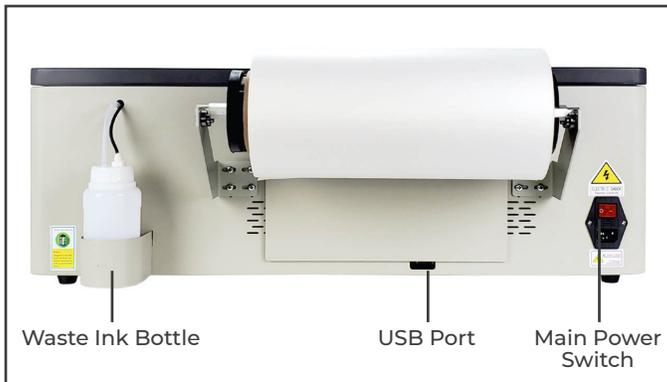
The front right side of the printer has an LED show ink circulation status.

BLUE = all parts of the ink circulation system are active and functioning correctly.

GREEN - white ink stirring in the tanks is actively occurring.

PURPLE - white ink circulation through the lines is actively occurring.

A quick glance from across the room gives you the confidence to know that all is well with the printer.



Back Of The Printer

The back of the printer has the USB port to connect to a Windows PC, as well as the main printer power switch.

The main power switch should always be left ON so that automatic ink circulation can occur.

The back of the printer also has screw holes to attach the film roller and holes for the waste ink bottle.



Right Side Of Printer

The right side of the printer has the refillable ink tanks and the Auto-ink-priming button. *(For some models this button may be on the back of the printer.)*

The Auto-ink-priming button avoids the need for needles. Press and hold to pull ink through the lines.

Setting Up Your Gallery 1390R DTF Printer:



Step 1

Remove the shipping bracket next to the printhead. Open top cover and unscrew the bracket.



Step 2

Attach the waste ink bottle holder to the back of the printer. Attach empty bottle to waste ink line.



Step 3

Screw the left and right film roller brackets to the back of the printer.



Step 4

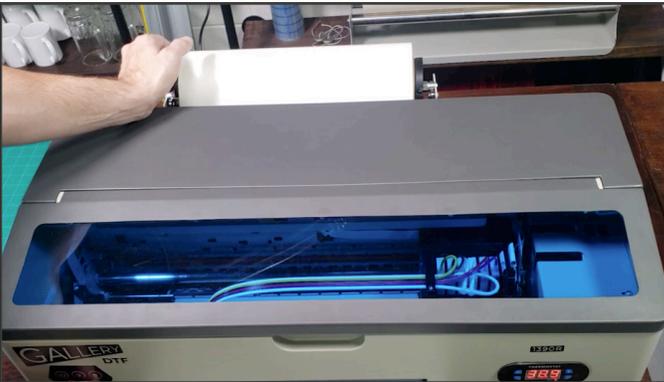
Attach one of the flanges to the film roller bar, place film on bar, then attach second flange.

Setting Up Your Gallery 1390R DTF Printer (Continued:)



Step 5

Cut film edge to be exactly perpendicular to the film sides so that the film will feed in straight.



Step 6

Place film into printer and press Exit (Forward) button on front control panel to pull film through the printer.

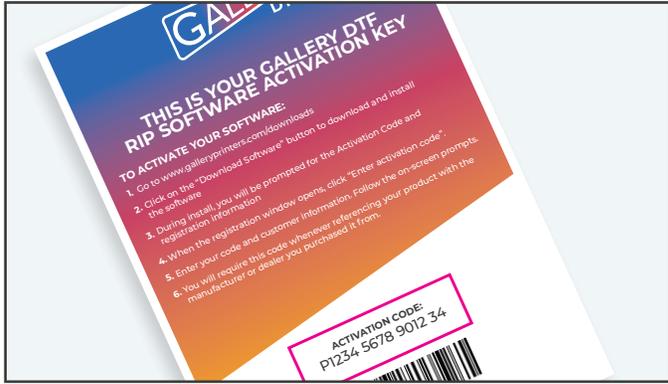


Step 7

Before loading ink into the printer, please install the software and run a blank test job to verify that no circuitry or connections were damaged during shipping. Operating the printer for a short period without inks will not harm the printer.

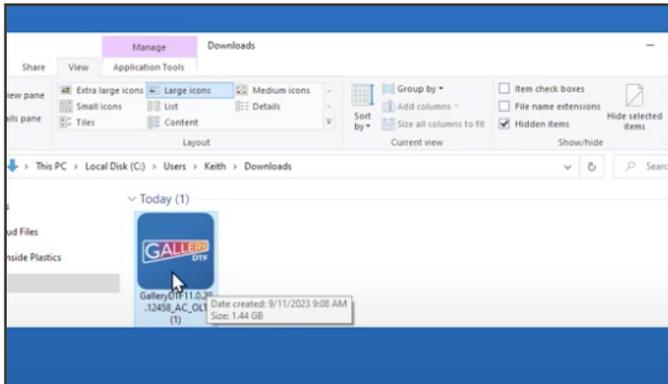
SEE NEXT PAGE FOR SOFTWARE SET UP

Setting Up The PC Software (Windows 10/11)



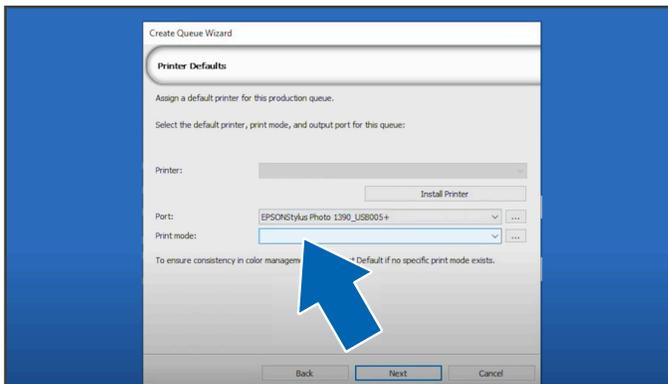
Step A

Find the card in the printer box with the download link for the software and your software activation code.



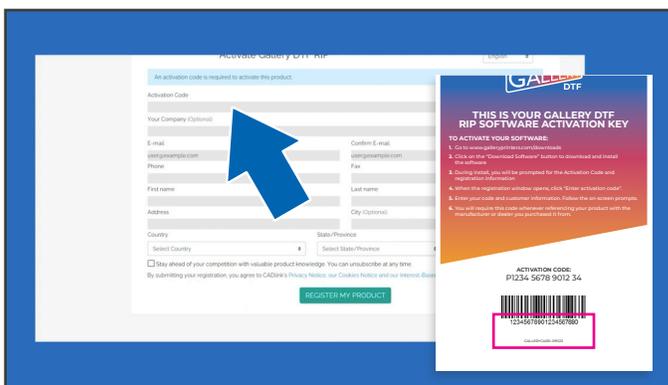
Step B

Download and install the Gallery DTF RIP software, select Gallery 1390 printer (Make sure USB cable is attached and printer front power LED is Green).



Step C

During install, select EPSON Stylus Photo 1390 as the communications port. (This is what Windows calls the Gallery 1390 printer).



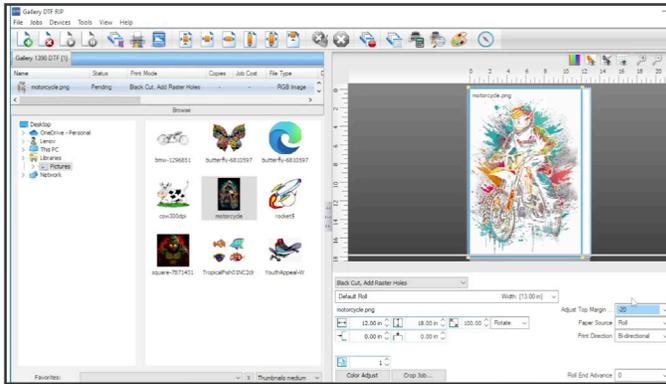
Step D

Under the HELP menu, activate your software using the license key number on the card in the printer box.

You can watch a video of the full software download/install sequence at the following link: galleryprinters.com/videos.

Continue To Next Page To Complete Gallery 1390R Printer Set Up

Setting Up Your Gallery 1390R DTF Printer Continued:



Step 8

Once software is installed, load a test file and try to print it. Observe that the printhead moves back and forth many times, the film advances and the front control panel blinks green while printing and goes solid green shortly after printing ends.

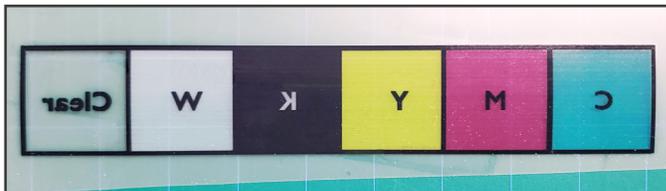


Step 9

Shake ink bottles vigorously.

Pour ink into ink tanks (right side of printer).

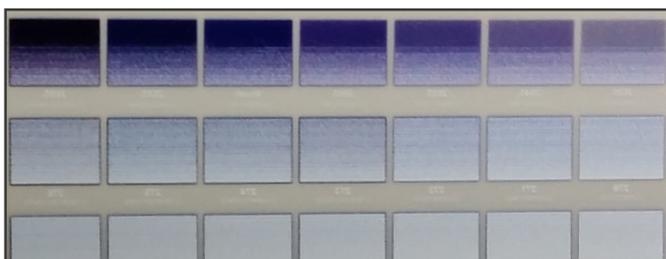
Press/hold auto-ink-priming button to feed ink through lines.



White Not Yet Flowing



White Flowing Properly



White Ink Has Settled Overnight

Step 10

Your initial print may require 2 or 3 head clean cycles to fully prime the printhead.

Print a nozzle check and a few small test jobs to be sure all colors are present.

Note: This image can be downloaded at galleryprinters.com/manuals

White Ink Settling

White ink settles differently than CMYK inks and may not flow immediately during the first print of the day, or even during the work day if not printing often. For start of day printing, it is recommended to first perform a head cleaning or print a small file to prime the white nozzles.

You Are Now Ready To Start Printing With Your Gallery 1390R DTF Printer.

Frequently Asked Questions

Q: *How do I get black text in my design to print white?*

A: Select the White only printmode from the pull-down menu under the work area in the DTF RIP software.

Q: *How do I avoid white pixels from showing at the edges when pressing onto a black T-shirt?*

A: In the RIP software, press the Color Adjust button under the work area and set choke to a higher value. Note that both Cold Peel and Hot Peel printmodes have already been pre-set to a choke value of 3 which is ideal. For White Only and Black Cut/Add Raster Holes printmodes, the choke value is set to 0 as the ideal starting value.

Q: *How do I get my colors to be more vivid?*

A: In the RIP software, press the Color Adjust button and increase the Saturation slider value.

Q: *How long should I wait after printing before adding the powder?*

A: You can add powder as soon as the white ink is not pooling and the ink appears sticky, not runny. If you print large contiguous areas with pooling white, you may have to wait several minutes, otherwise you can powder almost immediately.

Q: *Once cured, how long will a DTF print last before it needs to be heat pressed onto a garment?*

A: Prints properly stored should be able to be used up to a year from when they were created.

Q: *What is the shelf life of the inks?*

A: CMYK inks perform best when used within 9-12 months. Gallery bottles show date information. White ink performs best when used within 6-9 months. Gallery bottles show date information.

Q: *Is it necessary to print white under every pixel or can I avoid white ink when printing on white T-shirts?*

A: The powder will stick and cure to the colored inks, but the wash life cycle of the garment will be lessened without white ink. Additionally, the white ink allows the design to stretch - depending on your garment and design, stretch-ability may be desirable.

Q: *Can I add powder while the film is still on the printer exit tray?*

A: NO! This poses a risk of powder getting onto the printhead. Always powder well away from the printer.

Q: *What is the wash lifetime of a DTF print?*

A: A properly printed, cured and applied Cold Peel DTF print should last up to 50 washes. Hot Peel typically lasts 40 washes.

Q: *How do I get a softer hand feel to my prints?*

A: Use less white ink (note that less ink reduces the wash lifetime). Use the Black Cut, Add Raster Holes print mode in the DTF RIP software. Using the Cold Peel or Hot Peel printmodes, use Production Plug-in called Rasterization.

Q: *How can I get more White ink onto my prints?*

A: Copy and Rename a print mode (eg. Cold_Peel to MaxWhite_Cold_Peel) and then edit the new printmode ColorLayer->ProcessingOptions to increase Underbase and Maximum Ink percentages. Note that increasing White may impact soft hand feel.

Troubleshooting

Printer Will Not Print.

Check that both rear power switch and front panel Green LED printer power switches are ON.

On the Windows PC, check under Settings->Devices->Printers&Scanners that EPSON Stylus Photo 1390 is not Offline.

In Gallery DTF RIP software, check under Devices->Manage_Devices->Device_Properties that the Gallery 1390 port shows EPSON Style Photo 1390.

With the above checked, in the RIP software, try running a head clean to see if the printer responds.

Red LEDs Flash In An Alternating Fashion

This indicates that the waste ink counter has reached its maximum limit. Starting in 2024, the counter can be reset within Gallery DTF RIP software under:

Devices->ManageDevices->DeviceProperties->ResetInkWastePadCounter.

RIP software issued prior to 2024 requires use of an external program, please contact your distributor for assistance.

Red LEDs Flash Simultaneously

This represents an error. Most likely cause is that the encoder ribbon cable has dust that needs to be cleaned. You can contact USA based support to assist in reading the error code or cleaning the ribbon cable. Errors can sometimes be cleared by powering off for 10 seconds while the carriage is in the middle. Power on causes a new self-test.

Red Ink LED Comes On Solid

This means that one of the ink channels is starved for ink. In most cases, this condition will clear itself and printing will continue. Otherwise a single short press of the ink button will clear the black channel and a short double press will clear the other color channels.

One Of My Colors Is Not Printing, Or White Ink Is Not Printing Correctly

Check to see that the ink lines feeding the printhead do not have any air gaps. Remove and inspect dampers to see that they have ink. If needed, press auto-priming button to refill lines.

Use a needle to pull ink into damper or through waste ink line. Perform a couple of head cleanings.

Print a nozzle check. If the nozzle pattern does not look complete for one or more colors, perform additional head cleaning cycles.

Note that performing too many head cleanings in a row can cause foaming which adds air. Pause 5-10 minutes between every 3 head cleanings.

GALLERY
DTF



Congratulations On Your Purchase Of The Gallery 1390R DTF Printer.

In order to get maximum benefit from your printer, please familiarize yourself with the printer and its functions.