Canon imagePROGRAF GP Series

This document describes the supported feature and options of the Canon imagePROGRAF GP series printer driver for Fiery XF.

Supported printer

- Canon imagePROGRAF GP200
- Canon imagePROGRAF GP300
- Canon imagePROGRAF GP520 (Asia version of GP2000)
- Canon imagePROGRAF GP540 (Asia version of GP4000)
- Canon imagePROGRAF GP2000
- Canon imagePROGRAF GP4000
- Canon imagePROGRAF GP5200 (Asia version of GP200)
- Canon imagePROGRAF GP5300 (Asia version of GP300)

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Specification Summary

	imagePROGRAF GP200	imagePROGRAF GP300
Printer Type	6 Colour 24”	6 Colour 36”
Print Technology	Canon Bubblejet on Demand 6 colours integrated type (6 chips per print head x 1 print head)	←
Number of Nozzles	Total : 15,360 nozzles MBK, BK, C, M, Y, FP : 2,560 nozzles each	←
Print Resolution	2400 dpi x 1200 dpi	←
Nozzle Pitch	1,200 dpi x 2 includes Non-firing nozzle detection and compensation system	←
Ink Droplet Size	Minimum 5 pl per colour	←
Ink Capacity	Bundled Starter Ink : 90 ml (MBK, BK, C, M, Y, FP) Sales Ink : 130 ml, 300 ml	←
Ink Type	Pigment inks : 6 colour MBK, BK, C, M, Y, FP	←
Printer Languages	PDF (Ver.1.7), JPEG (Ver. JFIF 1.02)	←
Standard Interfaces	USB A Port : USB Memory Direct Print for JPEG/PDF files USB B Port : Built-in Hi-Speed USB Ethernet : IEEE 802.3 10base-T, IEEE 802.3u 100base-TX / Auto-Negotiation, IEEE 802.3ab 1000base-T / Auto-Negotiation, IEEE 802.3x Full Duplex Wireless LAN : IEEE802.11n/IEEE802.11g/IEEE802.11b	←
Media Feed and Output	Roll Paper : One Roll, Upper-loading, Front Output Cut Sheet : Upper-loading, Front Output (Manual feed using media locking lever)	←
Media Width	Roll paper : 203.2 mm - 610 mm Cut sheet : 203.2 mm - 610 mm	Roll paper : 203.2 mm - 917 mm Cut sheet : 203.2 mm - 917 mm
Minimum Printable Length	Roll paper : 203.2 mm Cut sheet : 279.4 mm	←

	imagePROGRAF GP2000	imagePROGRAF GP4000
Printer Type	11 Colour 24”	11 Colour 44”
Print Technology	Canon Bubblejet on Demand 11 colours integrated type (12 chips per print head x 1 print head)	←
Number of Nozzles	Total : 18,432 nozzles MBK, PBK, C, M, Y, GY, R, O, G, V, FP : 1,536 nozzles each	←
Print Resolution	2400 dpi x 1200 dpi	←
Nozzle Pitch	600 dpi x 2 includes Non-firing nozzle detection and compensation system	←
Ink Droplet Size	minimum 4 pl per colour	←
Ink Capacity	Bundled Starter Ink : 330 ml (MBK), 160 ml (Others) Sales Ink : 160 ml, 330 ml, 700 ml	Bundled Starter Ink : 330 ml (MBK, PBK, C, M, Y, GY, R, O, G, V, FP) Sales Ink : 160 ml, 330 ml, 700 ml
Ink Type	Pigment inks : 11 colour MBK, PBK, C, M, Y, GY, R, O, G, V, FP	←
Printer Languages	PDF (Ver.1.7), JPEG (Ver. JFIF 1.02)	←
Standard Interfaces	USB A Port : USB Memory Direct Print for JPEG/PDF files USB B Port : Built-in Hi-Speed USB Ethernet : IEEE 802.3 10base-T, IEEE 802.3u 100base-TX / Auto-Negotiation, IEEE 802.3ab 1000base-T / Auto-Negotiation, IEEE 802.3x Full Duplex Wireless LAN : IEEE802.11n/IEEE802.11g/IEEE802.11b	←
Media Feed and Output	Upper Roll Paper : One Roll, Front-loading, Front Output Lower Roll Paper (option) : One Roll, Front-loading, Front Output Cut Sheet : Front-loading, Front Output (Manual feed using media locking lever)	←
Media Width	Roll paper : 152.4 mm - 1118 mm Cut sheet : 152.4 mm - 1118 mm	←
Minimum Printable Length	Roll paper : 101.6 mm Cut sheet : 203.2 mm	←
Margins Printable area	Roll paper : Top: 3 mm, Bottom: 3 mm, Side: 3 mm Roll paper (borderless print) : Top: 0 mm, Bottom: 0 mm, Side : 0 mm Cut sheet : Top: 3 mm, Bottom: 20 mm, Side: 3 mm	←
Media Feed Capacity	Roll Paper : 1 roll Cut Sheet : 1 sheet	←
Media Take-up roll unit	Dual direction roll takes up unit allowing print surface to be wound inside or outside of the roll	←

Supported OS

- Windows 10

Color Mode

- CMYK Contone
- CMYKP Contone (CMYK + Fluorescent Pink)
- RGB

Ink Configuration

- Canon imagePROGRAF GP2000/GP520/GP4000/GP540
  - LUCIA PRO 11 inks
- Canon imagePROGRAF GP200/GP5200/GP300/GP5300
  - LUCIA TD 6 inks

Supported media tray

- Canon imagePROGRAF GP200/GP300/GP5200/GP5300/GP2000/GP4000/GP520/GP540
  - Roll Paper (Auto)

    Automatic roll switching is available if a second roll tray is installed.
  - Roll 1
  - Roll 2

    Option for GP2000/GP4000/GP520/GP540
  - Manual tray

Supported media sizes:

GP200/GP300/GP5200/GP5300/GP2000/GP4000/GP520/GP540

- Roll Paper (Auto) / Roll 1 / Roll 2

Media size	GP 4000	GP 300	GP 200/2000	Borderless
44 inch(Max Width)	✓			✓
36 inch	✓	✓		✓
30 inch	✓	✓		✓
24 inch	✓	✓	✓	✓
17 inch	✓	✓	✓	✓
16 inch	✓	✓	✓	✓
14 inch	✓	✓	✓	✓
10 inch	✓	✓	✓	✓
8 inch	✓	✓	✓	✓
ISO A0 Roll (841 x 15000 mm)	✓	✓		✓
ISO A1 Roll (594 x 15000 mm)	✓	✓	✓	✓
ISO A2 Roll (420 x 15000 mm)	✓	✓	✓	✓
ISO A3+ Roll (329 x 15000 mm)	✓	✓	✓	✓
ISO A3 Roll (297 x 15000 mm)	✓	✓	✓	✓
JIS B0 Roll (1030 x 15000 mm)	✓			✓
JIS B1 Roll (728 x 15000 mm)	✓	✓		✓
JIS B2 Roll (515 x 15000 mm)	✓	✓	✓	✓
JIS B4 Roll (257 x 15000 mm)	✓	✓	✓	✓

- Manual tray

Media size	GP 4000	GP 300	GP 200/2000
ISO A0 (841 x 1189 mm)	✓	✓	
ISO A1 (594 x 841 mm)	✓	✓	✓
ISO A2+ (17x24 inch)	✓	✓	✓
ISO A2 (420 x 594 mm)	✓	✓	✓
ISO A3+ (329 x 483 mm)	✓	✓	✓
ISO A3 (297 x 420 mm)	✓	✓	✓
ISO A4 (210 x 297 mm)	✓	✓	✓
ISO B0 (1000x1414 mm)	✓		
ISO B1 (707 x 1000 mm)	✓	✓	
ISO B2 (500 x 707 mm)	✓	✓	✓
ISO B3 (353 x 500 mm)	✓	✓	✓
ISO B4 (250 x 353 mm)	✓	✓	✓
JIS B0 (1030 x 1456 mm)	✓		
JIS B1 (728 x 1030 mm)	✓	✓	
JIS B2 (515 x 728 mm)	✓	✓	✓
JIS B3 (364 x 515 mm)	✓	✓	✓
JIS B4 (257 x 364 mm)	✓	✓	✓
ANSI E (34 x 44 inch)	✓	✓	
ANSI F (28 x 40 inch)	✓	✓	
ANSI D (22 x 34 inch)	✓	✓	✓
ANSI C (17 x 22 inch)	✓	✓	✓
ANSI B (11 x 17 inch)	✓	✓	✓
ANSI B Super	✓	✓	✓
Letter (8.5 x 11 in)	✓	✓	✓
ANSI Legal	✓	✓	✓

ARCH E (36 x 48 inch)	✓	✓	
ARCH E1 (30 x 42 inch)	✓	✓	
ARCH E2 (26 x 38 inch)	✓	✓	
ARCH E3 (27 x 39 inch)	✓	✓	
ARCH D (24 x 36 inch)	✓	✓	✓
ARCH C (18 x 24 inch)	✓	✓	✓
ARCH B (12 x 18 inch)	✓	✓	✓
ARCH A (9 x 12 inch)	✓	✓	✓
DIN C0 (917 x 1296 mm)	✓		
DIN C1 (648 x 917 mm)	✓	✓	
DIN C2 (458 x 648 mm)	✓	✓	✓
DIN C3 (324 x 458 mm)	✓	✓	✓
DIN C4 (229 x 324 mm)	✓	✓	✓
20 x 24 inch	✓	✓	✓
18 x 22 inch	✓	✓	✓
14 x 17 inch	✓	✓	✓
12 x 16 inch	✓	✓	✓
10 x 12 inch	✓	✓	✓
10 x 15 inch	✓	✓	✓
8 x 10 inch	✓	✓	✓
US Photo 16x20 inch	✓	✓	✓
Poster 20 x 30 inch	✓	✓	✓
Poster 30 x 40 inch	✓	✓	
Poster 42 x 60 inch	✓		
Poster 44 x 62 inch	✓		
Poster (300x900mm)	✓	✓	✓
13 x 22 inch (Canon)	✓	✓	✓

First Steps

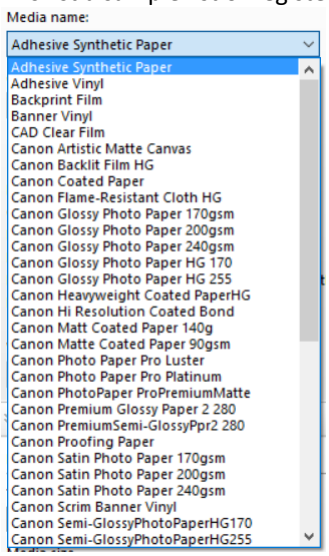
Fiery XF needs a valid ethernet connection to the imagePROGRAF printer.
As soon as the port is set up correctly and the printer is online, Fiery XF will download the media information from the printer.
In case of the RGB driver version the RIP will create EPL/ICC s from the printer information.
So, it is possible to directly use the printer without a need to create an EPL/ICC.
This functionality also supports custom paper uploaded to the printer.

Troubleshooting

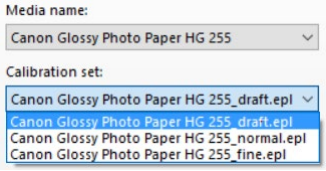
- Double check if the port settings are correct and the printer is power on.
- The communication and data loading from the printer will need some time. Wait for at least 2 minutes for network connection. You can see progress of synchronization in driver status section in special settings.
- The media information will only read once at application start time. To download again the complete set of ICCs and media information, click on sync button in special settings. To download only media information, click update button in special settings.
- Finally, if all doesn't help, please restart the Fiery XF server.

Media support (RGB)

This list a sample list of registered media types of a TX2100 RGB shown in Fiery XF.

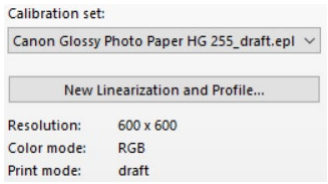


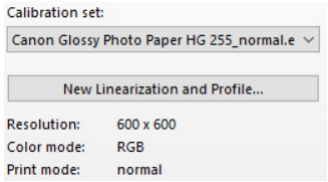
Depending on the selected media, there are multiple EPLs available.

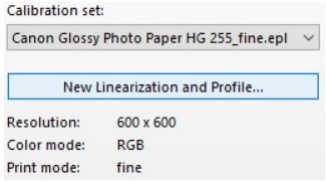


Every EPL represents a setting of printer resolution and print quality.

Like:



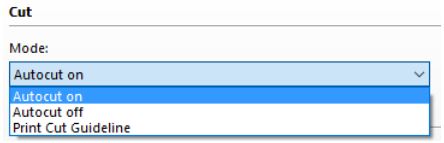




Special printer settings

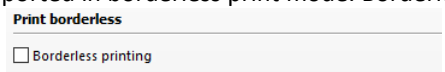
- Cutting modes

  Only supported for roll media.



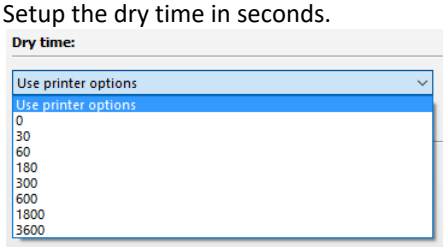
- Borderless printing

  The list of available media size will be changed, if the borderless option is checked. Not all media sizes are supported in borderless print mode. Borderless is only supported for Roll media.

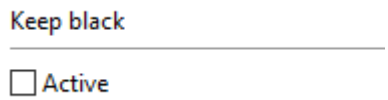


- Dry time

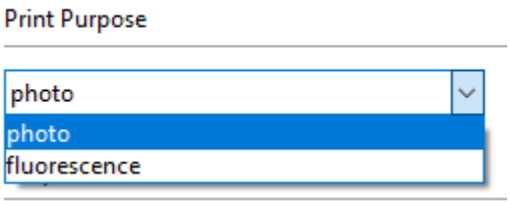
  Setup the dry time in seconds.



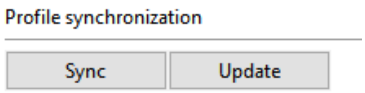
- Keep Black
  For the CMYK contone format, the printer has the keep black function to print the K plane using K, GY and PGY inks only.



- Print Purpose
  Specify flurescence, photo or auto as supported Media Types.



- Profile sync settings.
  Sync button will update profiles and media information, update button will only update media information.



- Job settings and media mismatch
  Job status and accounting: If enabled, the job will be tracked in Fiery XF until it completes printing in the printer and ink consumption and media consumption details will be logged in the Job Details section.
  Validate job media type and size: If enabled, driver will check if size of job will fit in the media loaded in the printer. Also, driver will check if type of media loaded in the printer is the same as the one used in job. If any of these checks fail, then job will error out in Fiery XF with the appropriate message.
  Mismatch action: If media type mismatch happens, then user can select to either error out the job in Fiery XF, (default setting) or let the printer decide or let it print anyway irrespective of setting in the printer panel.

