

White Ink Transition (W0→W1)

We share our experience to give you the **best support**

This document explains what is changing, why it is important, and how to prepare and operate your Brother printer smoothly during the transition from W0 White Ink to the new W1 White Ink.

Our goal is to help you continue production with minimum disruption, controlled costs, and stable print quality.

PURPOSE OF THE WHITE INK RUNNING CHANGE

Brother is transitioning from W0 White Ink to W1 White Ink to comply with updated Eco Passport environmental certification requirements

WHAT THIS MEANS:

- This change is mandatory for certification compliance
- It does not aim to improve or reduce print quality
- Ink price, storage conditions, and shelf life remain unchanged

By using W1 ink, compliance with current environmental standards is ensured while reliable operation is maintained.

NEW PRODUCT NAMES AND CODES

W1 white ink has new product codes and names, while capacity options remain the same

Capacity	W0 INK		W1 INK	
	Product Code	Product name	Product Code	Product name
700ml	BGCX40W07000022	GCX-4W70	BGCX40W07000122	GC40W01-700
18L	BGCX40W020K0032	GCX-4W20K	BGCX40W018L0132	GC40W01-18L
18L	BGCX60W018L0032	GCX-6W18L	BGCX60W018L0132	GC60W01-18L

MAIN CHANGES:

- Product codes and product names are different from W0
- Capacity options remain identical (700 ml, 9 L, 18 L)
- The change applies to bottle bulk and pouch products (including 9 L and 18 L bulks)

Once W1 ink is available in each region, orders must be placed using the new W1 product codes for both bottles and pouches.

HOW TO DIFFERENTIATE W1 INK ON THE PACKAGING



W1 ink is identified by the “Ver. 1” marking.

W0 and W1 ink cannot be distinguished by the IC chip.

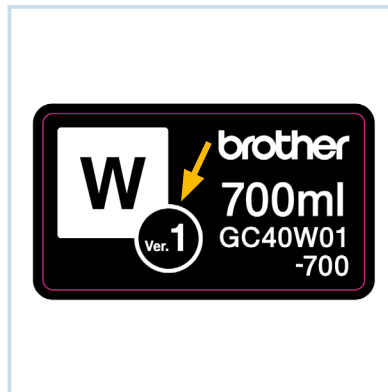


The ink label on the pouch or bottle should be checked

► Bottle Sticker



► Pouch Sticker

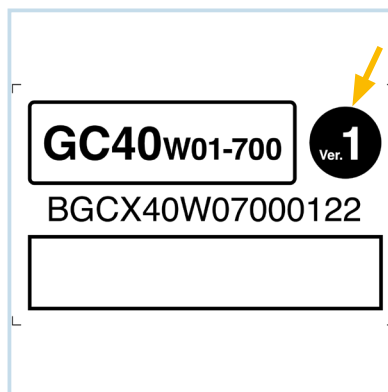


The product code printed on the side of the carton box should be verified

► Bottle Box-Label



► Pouch Box-Label



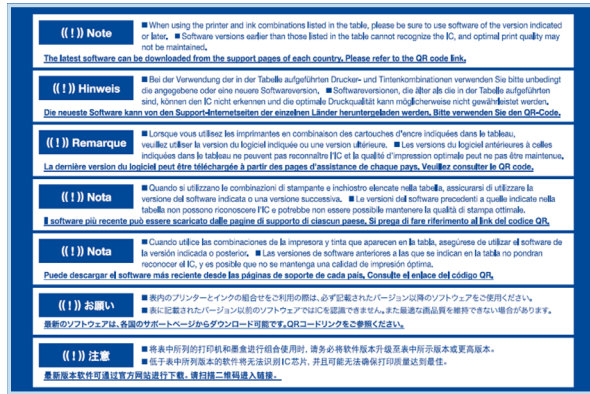
The IC chip looks the same for W0 and W1.

Identification must always be performed using the label and product code.

TECHNICAL REQUIREMENTS (MANDATORY BEFORE USING W1 INK)

All information about the required firmware, printer driver, and Graphics Lab versions is included inside the ink box.

- ▶ A printed note with detailed instructions and a QR code is provided, linking directly to the latest downloads and guidance.



Printer プリンター	Ink インク	Firmware ファームウェア	Driver プリンタードライバー	GTx Graphics Lab
GTx422	GC40W01-700	4.00	4.0.0	
GTxpro (GTx423)	GC40W01-700			
GTxproB (GTx424)	GC40W01-02K GC40W01-18L	5.00		
GTxpro R2R (GTx423-Roll)	GC40W01-700		5.0.0	9.0.0
GTxproB R2R (GTx424-Roll)	GC40W01-02K GC40W01-18L	5.00		
GTx600NB	GC60W01-09L GC60W01-18L	4.00	4.0.0	
GTx600SB	GC60W01-09L GC60W01-18L	4.00	4.0.0	



brother

FIRMWARE

W1 ink uses a new IC chip version



If firmware is not updated:

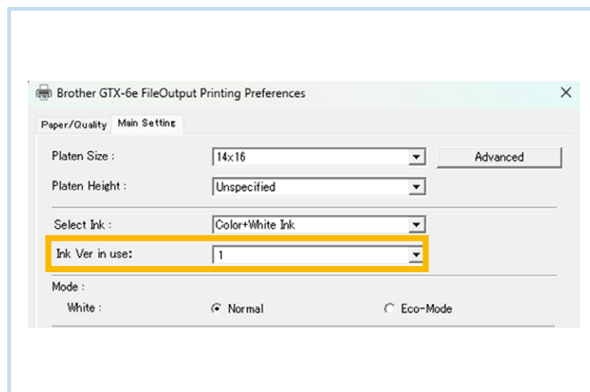
- ▶ The ink may not be recognized
- ▶ Printing may not be possible



The latest firmware must be installed before W1 ink is used.

PRINTER DRIVER & GRAPHICS LAB

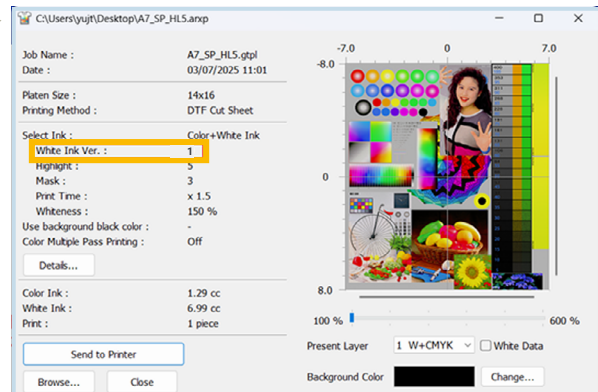
Updates are required to use W1-compatible color profiles, including the printer driver if you use a third party RIP software.



Correct setting:

0→W0 Ink

1→W1 Ink (to be selected once W1 ink has been installed)



After updating, a new print setting is added:
"White Ink Ver."



If an incorrect setting is selected, bleeding or unstable white density may occur.

POSSIBLE TRANSITION SCENARIOS

There are two approved ways to transition from W0 to W1 ink.

SCENARIO 1: COMPLETE INK SWITCH (FORCED TRANSITION)

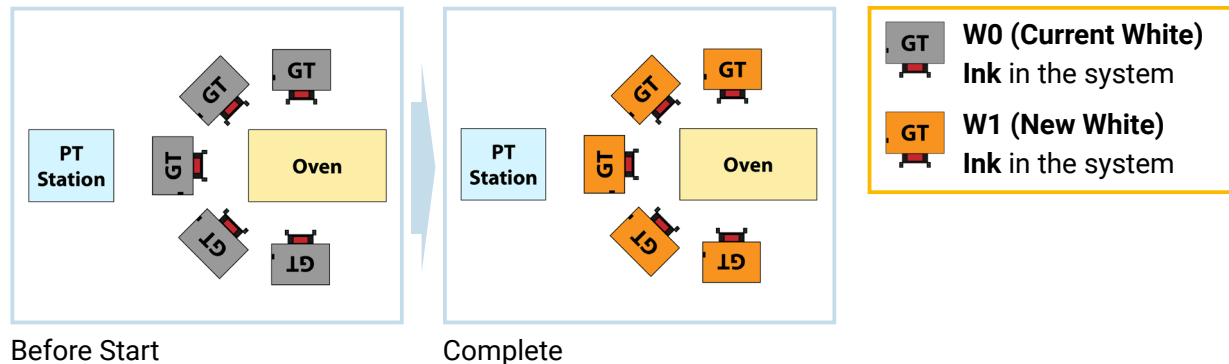
PROCESS OVERVIEW:

1. **W0 Ink** is fully removed from the system.
2. The system is filled only with **W1 Ink**



Ink inside the printer

FOR SETUPS WITH MULTIPLE MACHINES GROUPED TOGETHER:



WHEN TO USE THIS OPTION?

- When fast and stable white print quality is required
- When production consistency is critical
- When transition time must be minimized



This is the most efficient option for quality-critical production



Fastest stabilization of print quality



No mixing of W0 and W1 ink



Some W0 ink must be discarded



Higher short-term cost due to ink waste

SCENARIO 2: INK RUNNING CHANGE (NATURAL TRANSITION)

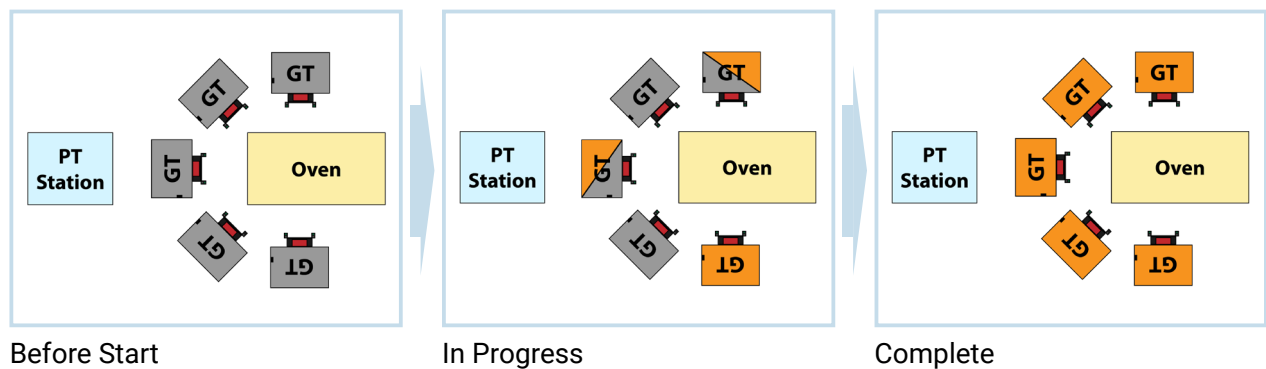
PROCESS OVERVIEW:

1. Normal printing operation continues.
2. **W0** and **W1** ink gradually mix during regular use.
3. The system is filled only with **W1 Ink**



Ink inside the printer

FOR SETUPS WITH MULTIPLE MACHINES GROUPED TOGETHER:



W0 (Current White)
Ink in the system

MIXED Ink in the system

W1 (New White)
Ink in the system

WHEN TO USE THIS OPTION?

- When minimizing ink waste is a priority.
- When gradual quality adjustment is acceptable.
- When no immediate system intervention is desired.



This is the most cost-efficient option when gradual adjustment is acceptable.



Minimal ink waste



No system flushing required



Transition period is longer



Temporary white density reduction or bleeding may occur

USER OPERATION – QUICK GUIDE

For step-by-step operating instructions, refer to:

[White Ink Change User Operation Quick Guide_EN](#)

This guide covers:

- Daily operation during the transition
- Correct setting of the “White Ink Ver.” parameter
- Practical tips for stabilizing print quality

IMPORTANT WARNING (GTX 422 / 423 / 424 ONLY)

With W1 ink, the white-side wiper cleaner dries faster, especially during idle periods.

WHAT CHANGES

- Replacement interval based on time is reduced
- Replacement based on print count remains unchanged

WHY THIS IS IMPORTANT

- Nozzle contamination is prevented
- Stable white print quality is maintained
- This behavior is related to ink characteristics and does not indicate a machine fault

DTF PRINTING NOTE

KEEP IN MIND: Curing settings remain standard for recommended media, but alternative media or troubleshooting issues may require extended curing times.