

Technical Report

ROM UPGRADE..... (25)

Caution for firmware upgrade

- If upgrading from the version 0421Q100_25031400 or earlier you won't be able to restore original version.
- 0510Q100_25090800 is the common firmware for BP-50C26 etc. and BP-50M26 etc. and BP-FR12U.

1. Model Name: BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65, BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65, BP-FR12U (Option for BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65, BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65)

2. Description: Upgrade of ICU, PCU and PCU_BW-ROM

From October 2025 production						
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU
BP-50C26, BP-50C31, BP-50C36, BP-50C45 BP-50C55, BP-50C65, BP-55C26, BP-60C31 BP-60C36, BP-60C45, BP-70C31, BP-70C36 BP-70C45, BP-70C55, BP-70C65	E04	0510Q100_ 25090800	0510Q100	0510Q100	-	0200Q100
BP-50M26, BP-50M31, BP-50M36, BP-50M45 BP-50M55, BP-50M65, BP-70M31, BP-70M36 BP-70M45, BP-70M55, BP-70M65	D04			-	0510q100	
BP-FR12U	-		0510Qc00	0510Q100	0510q100	
Notification	- Last 8-digit of BUNDLE version is displayed when updating the firmware in the field. Factory default is fixed to 00000000.					
Item of change	- See page 3.					

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(24)	E03 D03	0503Q100_ 25071800	0503Q100	0503Q10a	0503q10a	0200Q100	Aug.2025	CCE-3353
(23)	E02 D02	0502Q100_ 25060900	0502Q100	0500Q10a	0500q100		For field support	CCE-3330
(22)	E01 D01	0501Q100_ 25051200	0500Q100	0500Q10a	0500q100		May.2025	CCE-3304R
(21)	E00 -	0501Q100_ 00000000						
(20)	D04 C04	0421Q100_ 25031400	0421Q100	0420Q100	0420q100		Apr.2025	CCE-3273
(19)	D03 C03	0420Q100_ 25020700	0420Q100				Mar.2025	CCE-3255
-	D02 C02	0410Q100_ 00000000	0410Q100	0410Q100	0410q100		Oct.2024	CCE-3168
(18)	D01 C01	0410Q100_ 24082600					Sep.2024	CCE-3141
(17)	D00 C00	0400Q100_ 24060500	0400Q100	0400Q100	0400q100		Jul.2024	CCE-3105
(16)	C06 B06	0330Q100_ 24041000	0330Q100	0330Q100	0330q100		Apr.2024	CCE-3088
(15)	C05 B05	0320Q100_ 24012200	0320Q100	0310Q100	0310q100		Feb.2024 Mar.2024	CCE-3044
(14)	C04 B04	0310Q100_ 23120400	0310Q100				Jan.2024	CCE-3035
(13)	C03 B03	0303Q100_ 23080300	0303Q100	0300Q100	0300q100		Aug.2023 Sep.2023	CCE-2985
(12)	C01 B01	0301Q100_ 23061400	0301Q100				Jul.2023	CCE-2968R
(11)	C00 B00	0300Q100_ 23051700	0300Q100				Jun.2023	CCE-2940R2
(10)	B08 A07	0286Q100_ 23031500	0280Q100	0286Q100	0280q100	0100Q100	Apr.2023	CCE-2910
(9)	B07 A06	0285Q100_ 23030600		0285Q100			Mar.2023	CCE-2893R3
	A05	0280Q100_ 23021500		-			Mar.2023	CCE-2893
(8)	B05 A04	0270Q100_ 23011300	0270Q100	0231Q100	0200q100		Feb.2023	CCE-2868
	B04 A03	0260Q100_ 00000000	0260Q100				Jan.2023	
(7) (2)	B03 A02	0250Q100_ 22092600	0250Q100	0230Q100	0130q100		Oct.2022	CCE-2786R ARE-1439R
(1)	A01	0211Q100_ 22080800	0210Q100	-	0101q100		Aug.2022	ARE-1427
(6)	B02	0202Q100_ 22070600	0202Q100	0202Q100	-		Jul.2022	CCE-2739
(5)	B01	0201Q100_ 22060700	0200Q100	0201Q10a			Jun.2022	CCE-2720
(4)	B00	0200Q100_ 22052400		0200Q10a			May.2022	CCE-2709
(3)	A04	0121Q100_ 22042100	0121Q100	0120Q10a			May.2022	CCE-2682
(2)	A03	0120Q10a_ 22031700	0120Q100				Apr. 2022	CCE-2658R
(1)	A01	0101Q100_ 22021000	0100Q100	0100Q10c			Feb. 2022	CCE-2633

Item of change

No.	Item	Detail
1	Specification	<p>Added a feature which prohibits auto installation of PSA app to Advanced Settings as listed below: [System Settings] > [System Control] > [Advanced Settings] ID: 00071 Print Support App Setting</p> <ul style="list-style-type: none"> - Disable Print Support App <ul style="list-style-type: none"> OFF (Default) ON
2	Specification	<p>Added a feature which disables status notifications such as Completed, Error, Stopped, and Cancelled for AirPrint (IPP) jobs and Universal Print (IPP INFRA) jobs to Advanced Settings as listed below: [System Settings] > [System Control] > [Advanced Settings] ID: 00072 IPP/IPP INFRA Job Status Notification Setting</p> <ul style="list-style-type: none"> - Disable IPP/IPP INFRA job Status Notifications <ul style="list-style-type: none"> OFF (Default) ON
3	Specification	<p>Added a feature which changes endpoint for Microsoft services to Advanced Settings as listed below: - Endpoint EP0 For worldwide EP1 For GCC High (For Government Community Cloud High)</p> <p>[System Settings] > [System Control] > [Advanced Settings] ID: 00073 Endpoint Settings for Microsoft Services</p> <ul style="list-style-type: none"> - Endpoint <ul style="list-style-type: none"> EP0 (Default) EP1 - Tenant ID - Client ID (Universal Print)
4	Specification	<p>Added a feature which stores syslog in the audit log to Advanced Settings as listed below: [System Settings] > [System Control] > [Advanced Settings] ID: 00074 Extended Audit Log Setting</p> <ul style="list-style-type: none"> - Enable Extended Audit Log <ul style="list-style-type: none"> OFF (Default) ON
5	Specification	<p>Added a feature to enable/disable the SNMP GETBULK command to Advanced Settings as listed below: [System Settings] > [System Control] > [Advanced Settings] ID: 00075 SNMP GETBULK Setting</p> <ul style="list-style-type: none"> - Enable SNMP GETBULK command <ul style="list-style-type: none"> On (Default) Off <p>* Default is [Off] for Europe/UK only.</p>
6	Main unit control	Fixed a problem where E7-04 (SSD-ASIC error DSK) may occur during the erasure process when a job is completed.
7	Main unit control	Fixed a problem where E7-93 (Copy, Image Send, FAX, Filing, Print Image Data Process Error) could occur when previewing CMYK-RIP printer data in Document Filing.
8	Main unit control	Fixed a bug where remote firmware updates may have failed when virus scanning was enabled.
9	Main unit control	Fixed a bug where the screen would remain dark without displaying anything even when the power button was pressed during energy save mode (with main power lamp flashing yellow).
10	Main unit control	<p>(For Europe/UK only)</p> <p>Fixed an error which may have occurred when the buffer used to read the character string serves as a reset key from a file to execute admin password reset to comply with RED was not initialized</p>

Item of change

No.	Item	Detail
11	Main unit control	Fixed a problem where C1-40 (MC PWB Trouble) and C4-40 (TC PWB Trouble) may occur when manually ejecting the toner cartridge.
12	Main unit control	Changed control of POGS (paper exit gate solenoid) aimed to prevent POD4_NB (POD4 Not-Reached jam (Before Switchback))
13	Main unit control	Changed fuser temperature control to prevent H4-00 (Fuser Low Temperature Error (TH_UM)) due to the recovery from power save function triggered by motion sensor and the timing to start a job.
14	Main unit control	The message "Automatically adjusted. Ready to copy" is now displayed if fuser requires 20 seconds or more to cool down.
15	Main unit control	Changed temperature control to prevent image quality failure in the next job after small size printing.
16	Main unit control	Changed voltage detection control to prevent L8-03 (Abnormal Voltage Input Error) when there is distortion in the input AC power supply.
17	Main unit control	Changed control of lead edge voids to prevent jams while printing on thin paper.
18	Main unit control	Fixed a bug where toner output correction deviates while switching jobs, resulting in image quality failure due to over-toner.
19	Main unit control	Changed control for reverse rotation of drum aimed to prevent image quality failure (streaks toward sub scan direction for BK).
20	Main unit control	Changed control for primary transfer aimed to prevent image quality failure (streaks and uniformity).
21	Main unit control	(BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65, BP-FR12U only.) Changed toner control aimed to prevent image quality failure (white spots) during toner near end which occurs under high temperature environment.
22	Main unit control	(BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65, BP-FR12U only.) Changed the toner supply control to prevent image quality failure (uniformity) which may occur while printing images with high area coverage continuously.
23	Main unit control	(BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65, BP-FR12U only.) Changed developing voltage control to prevent image quality failure (background).
24	Printer	Fixed a bug with Universal Print where the job queue on the PC kept displaying "Pending for authentication" and the job was not printed.
25	Printer	Fixed a bug where printing would fail when sending via IPPS communication from a device with Android version 12 or later, and subsequent jobs (including jobs from Sharp Print Service Plugin to RAW port) would not be able to print.
26	Printer	Fixed a bug where jobs sent from iOS 18 using AirPrint may not be cancelled.
27	Image Send	Fixed a bug where the creation date and time of the created file may be incorrect when using an NTFS formatted USB memory for Scan To USB.
28	Image Send	SMTP timeout setting can now be set to 300 sec. because network communication error may occur under the environment where response of SMTP server is slow even though e-mail transmission is successful. * How to set SMTP timeout to 300 seconds: Go to [System Settings] > [Network Settings] > [Service Settings] and set [SMTP]> [Timeout] to "0 sec" among 0 - 60 seconds.

Item of change

No.	Item	Detail
29	Network	Fixed a bug where the IP address was not set correctly and communication was prohibited after an automatic restart due to 20 days of continuous operation.
30	OSA	Fixed a bug in the Gmail connector that could cause a send error depending on the size of the Google account's access token.
31	BP-DE13 BP-DE14 BP-DE15	Implemented support for common use with BP-51C/BP-56C/BP-61C/BP-71C/BP-51M/BP-71M series
32	BP-FN13 BP-FN14	Fixed a bug where punch motor would continue rotating during the initial operation when the door is opened/closed, or main power is turned on, or after recovery from energy saving.
33	BP-FN15 BP-FN16	Implemented a Soft SW which disables full-load detection of Z-Fold/Half Fold sheets according to the number of sheets loaded. SIM 55-1 SW25 Data 6: 0: Loading of 30 Z-folded and half-folded sheets are considered full. (Default) 1: Full-load detection according to the number of folded sheets loaded is disabled. (Full-load detection according to the height works as per usual.)
34	BP-FN15 BP-FN16	Implemented a Soft SW which changes control of the paper transport speed in order to prevent lead edge of the paper from curling. SIM 55-1 SW25 Data 5: 0: Conventional control (Default) 1: Changes the speed at which lead edge of the paper enters Finisher.
35	BP-FN15 BP-FN16	Fixed the FNB_S (buffer sensor remaining jam) which could occur while executing a job with saddle-stitching (8 or more sheets in a batch) using long size paper (paper length 298.0 mm or more) for multiple copies.
36	BP-FN15 BP-FN16	Fixed a bug where a paper jam would occur if the lowering action by oscillating guide was delayed during an offset job of 66 sheets or more.
37	BP-FN15 BP-FN16	Fixed a bug which could cause FSMG (gripper motor jam) on the first sheets of the job with saddle stitching.
38	MX-PN14	Changed control to retry detection of punch waste box being full to avoid false detection.