

Technical Report

ROM UPGRADE..... (26)

Caution for firmware upgrade

- If upgrading from the version 0421Q100_25031400 or earlier you won't be able to restore original version.
- 0511Q100_25120300 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 FAX

For field support							
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	FAX
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	E05	0511Q100_25120300	0510Q100	0510Q100	-	0200Q100	0201Q100
BP-50M26, BP-50M31, BP-50M36, BP-50M45 BP-50M55, BP-50M65, BP-70M31, BP-70M36 BP-70M45, BP-70M55, BP-70M65	D05			-	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	Updated software to be compatible with both new and old Fax boards following the board change.						

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(25)	E04 D04	0510Q100_ 25090800	0510Q100	0510Q100	0510q100	0200Q100	Oct.2025	CCE-3386
(24)	E03 D03	0503Q100_ 25071800	0503Q100	0503Q10a	0503q10a		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

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	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 - Disable Print Support App OFF (Default) ON
2	Specification	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 - Disable IPP/IPP INFRA job Status Notifications OFF (Default) ON
3	Specification	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) [System Settings] > [System Control] > [Advanced Settings] ID: 00073 Endpoint Settings for Microsoft Services - Endpoint EP0 (Default) EP1 - Tenant ID - Client ID (Universal Print)
4	Specification	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 - Enable Extended Audit Log OFF (Default) ON
5	Specification	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 - Enable SNMP GETBULK command On (Default) Off * Default is [Off] for Europe/UK only.
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	(For Europe/UK only) 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

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.

Technical Report

ROM UPGRADE..... (24)

Caution for firmware upgrade

- If upgrading from the version 0421Q100_25031400 or earlier you won't be able to restore original version.
- 0503Q100_25071800 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, PCU_BW-ROM

From August 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	E03	0503Q100_ 25071800	0503Q100	0503Q10a	-	0200Q100
BP-50M26, BP-50M31, BP-50M36, BP-50M45 BP-50M55, BP-50M65, BP-70M31, BP-70M36 BP-70M45, BP-70M55, BP-70M65	D03			-	0503q10a	
BP-FR12U	-		0503Qc00	0503Q10a	0503q10a	
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.
(23)	E02 D02	0502Q100_ 25060900	0502Q100	0500Q10a	0500q100	0200Q100	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

Item of change

No.	Item	Detail
1	Specification	Changed print control to improve speed for continuous printing of double postcard.
2	Specification	(For Europe/UK only) Optimized fusing temperature control for regions comply with CE marking due to common use of fusing belt with other models.
3	Specification	(BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65 only) Changed software to handle both old and new charging roller due to EOL of the charging roller.
4	Specification	Changed default of Soft SW which rotates power supply fan (PSFM) while temperature is high. SIM55-1 SW24 Data1/Data2 00: Fan rotates at 35.1°C or higher, Fan stops at 34.1°C or lower. 01: Fan rotates at 31°C or higher, Fan stops at 30°C or lower. 10: Fan rotates at 38°C or higher, Fan stops at 37°C or lower.(Default) 11: Fan rotation control in high temperature is disabled. * If setting value of above is either [00] or [01], the value will change to [10] upon application of this firmware.
5	Main unit control	Fixed a bug which prohibits disabling of operational verification after setting [System Settings] > [Security Settings] > [SSL/TLS Settings] > [Verify Signature of Server Certificate of the Other Party] to [OFF].

Technical Report

ROM UPGRADE..... (23)

Caution for firmware upgrade

- If upgrading from the version 0421Q100_25031400 or earlier you won't be able to restore original version.
- 0502Q100_25060900 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-ROM

For field support						
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	E02	0502Q100 25060900	0502Q100	0500Q10a	-	0200Q100
BP-50M26, BP-50M31, BP-50M36, BP-50M45 BP-50M55, BP-50M65, BP-70M31, BP-70M36 BP-70M45, BP-70M55, BP-70M65	D02			-	0500q100	
BP-FR12U	-		0502Qc00	0500Q10a	0500q100	
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	- SMB file sharing occasionally fails with BUNDLE: 0501Q100; BUNDLE: 0500Q10a depends on the designated content of user name in SMB address (address for transmission to shared folder). Implemented retry procedure assigning a domain name when authentication fails. * Basically, designate a user name with domain name if the account designated as SMB address is a domain user. E.g. In case of [domain: domain.example.com] and [User name: username]: Please designate with either format: User name: domain/username User name: username@domain.example.com					

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(22)	E01 D01	0501Q100_ 25051200	0500Q100	0500Q10a	0500q100	0200Q100	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

Technical Report

ROM UPGRADE..... (21)(22)

SMB file sharing may fail after upgrading the firmware as described in this report.
Please refer to end of this report and take appropriate action in case of such failure.

Caution for firmware upgrade

- If upgrading from the version 0421Q100_25031400 or earlier you won't be able to restore original version.
- 0501Q100_25051200 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 IMAGE_DATA_BW-ROM

From mid-May 2025 production.							
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	IMAGE_DATA	IMAGE_DATA_BW
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	E01	0501Q100_25051200	0500Q100	0500Q10a	-	0104Q100	-
BP-50M26, BP-50M31, BP-50M36, BP-50M45 BP-50M55, BP-50M65, BP-70M31, BP-70M36 BP-70M45, BP-70M55, BP-70M65	D01			-	0500q100	-	0102Q10a
BP-FR12U	-		0500Qc00	0500Q10a	0500q100	0104Q100	0102q10a
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	- Change of the production program for the purpose of the productivity improvement.						

Upgrade of ICU, PCU, PCU_BW-ROM

From mid-May 2025 production.							
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	IMAGE_DATA	IMAGE_DATA_BW
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	E00	0500Q10a_00000000	0500Q100	0500Q10a	-	0104Q100	-
BP-50M26, BP-50M31, BP-50M36, BP-50M45 BP-50M55, BP-50M65, BP-70M31, BP-70M36 BP-70M45, BP-70M55, BP-70M65	-			-	0500q100	-	0102Q100
BP-FR12U	-		0500Qc00	0500Q10a	0500q100	0104Q100	0102q100


Notification	- Last 8-digit of BUNDLE version is displayed when updating the firmware in the field. Factory default is fixed to 00000000. - BP-50M26, etc. are not manufactured with this BUNDLE version.
Item of change	- See page 2.

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(20)	D04 C04	0421Q100_ 25031400	0421Q100	0420Q100	0420q100	0200Q100	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	(For Europe/UK only) Changed firmware to comply with Radio Equipment Directive (RED) in Europe.

No.	Item	Detail
2	Specification	<p>Changed TLS/Kerberos cipher suites. In addition, a feature to enable/disable legacy cipher suites is implemented to Advanced Settings. Go to [System Settings] > [System Control] > [Advanced Settings] ID: 00048 TLS/Kerberos Cipher Suites</p> <ul style="list-style-type: none"> - Enable Legacy Cipher Suites for TLS - Enable Legacy Cipher Suites for Kerberos <p>Enable (default) Disable</p> <p>*Refer to the separate sheet for details of cipher suites allowed. *Default is [Disable] for Europe/UK only. The default is [Enable] if this firmware is installed to the devices already operating.</p>
3	Specification	<p>Added a function in Advanced Settings to set domain controller for connection under the environment where multiple domain controllers are operating for AD (Active Directory) authentication. [System Settings] > [System Control] > [Advanced Settings] ID: 00056 Domain Controller Setting</p>
4	Specification	<p>Migrated following Simulations to Advanced Settings: SIM46-23 (Density Correction of Copy High Density Section) SIM67-34 (Density Correction in Printer High Density Section) A: CMY 0: Engine Highest density correction mode: Enable (default) 1: Engine Highest density correction mode: Disable B: BK 0: Engine Highest density correction mode: Enable (default) 1: Engine Highest density correction mode: Disable [System Settings] > [System Control] > [Advanced Settings] ID: 00068 Maximum Density Adjustment Mode Target: Copy Target: Print •CMY ON (default) OFF •BK ON (default) OFF</p>
5	Specification	<p>Notification icon [i] mark blinks if new firmware update is available.</p> 
6	Specification	<p>The [Cancel] and [OK] keys for confirmation of remote firmware update [Perform Firmware Update?] is changed as below:</p> <ul style="list-style-type: none"> - In case the time for update in auto mode comes [Later] [Update Now] - In case of tapping on the notification message in auto mode/admin mode, or pressing [i] key on machine information [Close] [Update Now]
7	Specification	<p>(Only for Europe, UK and Australia) Display of check box for Terms and Conditions/confirmation of agreement after changing System Settings > System Control> Firmware Update Settings from [Disable] to [Automatic Mode] or [Admin Mode]</p>

No.	Item	Detail
8	Specification	<p>Expiry date of 2026/5/8 is set to the information (client secret) used for OAuth2.0 authentication for SMTP/POP3.</p> <p>After the expiry date, authentication cannot be performed and SMTP/POP3 cannot be used, so the client secret has been replaced with an alternative authentication method that is not subject to the previous expiration.</p>
9	Specification	Implemented support for NTP server V2.
10	Specification	Changed communication between MFP and Universal Print server from polling method to notification method (which a notification is sent immediately if there is any event).
11	Specification	Along with the change of LD driver of LSU PWB, the software modification has been made so that both the old and new drivers can be supported.
12	Specification	<ul style="list-style-type: none"> - Following items are removed from service web page (service_login.html): <ul style="list-style-type: none"> User Control 2 Job Log Save/ Delete Syslog Test Playback - Following item is removed from FSS web page (fss.html): <ul style="list-style-type: none"> User Control
13	Specification	<p>A feature which verifies signature on OSA application is implemented to:</p> <p>[System Settings] > [Sharp OSA Settings] > [Condition Settings]</p> <ul style="list-style-type: none"> - Embedded OSA Application Signature Verification <ul style="list-style-type: none"> Install when Verification is Success Check when Verification Failed Not Verify (Default)
14	Specification	<p>Followings are added to [System Settings] > [Network Settings] > [Service Settings] > [SMB] > [SMB Settings (server)]</p> <ul style="list-style-type: none"> - Encrypted Communications Setting <ul style="list-style-type: none"> Encrypt Follow Encryption Comm. Method - Authentication Method <ul style="list-style-type: none"> NTLMv2 NTLMv1/LM
15	Specification	<p>Followings are added to [System Settings] > [Network Settings] > [Service Settings] > [SMB] > [SMB Settings (Client)]</p> <ul style="list-style-type: none"> - Encrypted Communications Setting <ul style="list-style-type: none"> Encrypt Follow Encryption Comm. Method - Authentication Method <ul style="list-style-type: none"> Kerberos NTLMv2 NTLMv1 LM

No.	Item	Detail
16	Specification	<p>[System Settings] > [Network Settings] > [Service Settings] > [SNMP] > [SNMP v3 Settings] is changed to followings:</p> <ul style="list-style-type: none"> - Authentication Key: <ul style="list-style-type: none"> MD5 SHA-1 SHA-224 SHA-256 (New default) SHA-384 SHA-512 - Privacy Key: <ul style="list-style-type: none"> DES AES AES-192C AES-256C (New default) AES-192 AES-256
17	Main unit control	Fixed a bug which takes about 5 minutes to delete files when large amount of file in Document Filing is deleted while thumbnail is enabled.
18	Main unit control	Fixed a problem with obtaining a job list for print release which occurs if tab character is included in job name.
19	Main unit control	Fixed a problem with importing some data during device cloning.
20	Main unit control	Fixed freeze of MFP which may occur while trying to access from MacOS to NAS for main unit through SMBv1.
21	Main unit control	<p>Fixed following bugs which occurs at maintenance of transfer blade (TKS)</p> <ul style="list-style-type: none"> - MIB: No alert is sent. - System Settings: The status "Overdue service maintenance" is not displayed. - IPP: An error status does not appear on client PC. - Printing from PC: Printer status does not indicate down (that judged as no problem on PC side).
22	Main unit control	<p>Changed an operation so that printer job with one sheet of paper/ multiple copies/ sort setting does not offset.</p> <p>Soft SW to switch the behavior of offset operation is implemented to:</p> <p>SIM55-3, SW9, Data4</p> <p>0: No offset (Default)</p> <p>1: Offset</p>
23	Main unit control	Fixed a bug which the paper size not selected is used for printing while saddle staple/ saddle fold are set.
24	Main unit control	Fixed a display of improper message "network failure, could not access server" which may appear after executing virus scan with virus detection kit BP-VD10.
25	Main unit control	<p>(BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65, BP-FR12U only)</p> <p>Changed charging control for charging roller, aiming to repress image failure after long-time dormancy under low temperature/ low humidity environment.</p>
26	Main unit control	Changed frequency of interrupting a job for inverse rotation of drum aimed to repress flipping of drum blade which may occur during output of a job with large print volume per job.

No.	Item	Detail
27	Main unit control	Implemented a Soft SW which switches operation after detection of abnormal voltage, aimed to repress L8-03 (Abnormal Voltage Input Error) which occurs due to distortion of AC power input. SIM55-01 SW28 Data 5 0: Machine stops when L8-03 error occurs. (Default) 1: Operation continues in case of rated voltage.
28	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) Fixed false detection of H4-00 (Fuser Low Temperature Error (TH_UM)) which appeared during process control or toner replenishment after replacing toner cartridge when toner ran out during a job.
29	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 high voltage control/timing to repress image failure (background/ darker image) which may occur while drum is driving with low speed.
30	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) A soft switch aimed to switch frequency of idling to eliminate accumulation of developer is implemented to: SIM55-3, SW21. Data6,7 67 00: MFP idles after dormancy for 50 hrs. and more in high humidity environment/ dormancy for 168 hrs. and more. (Default) 01: MFP idles after dormancy for 30 hrs. and more in high humidity environment/ dormancy for 168 hrs. and more. 10: MFP idles after dormancy for 168 hrs. and more. 11: No idling.
31	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 operation of primary transfer so that it doesn't move up and down, aimed to reduce operation noise during silent startup. The silent startup is executed when MFP is detected not operating for a long period of time, implemented as a countermeasure against drum crack.
32	Printer	Fixed machine freeze displaying "Please wait." which may occur if same file is deleted while printing the data with Print-Hold.
33	Printer	Fixed improper reboot of MFP which occurred in the following steps: 1. Perform printing selecting a file from Document Filings > FTP. 2. Unable to make connection while trying to access to FTP server with IPv6 address. 3. MFP reboots.
34	Printer	Fixed a failure to perform print job, displaying "Rendering" when PROCON MODE in SIM44-62 (Set Process Control Execution Conditions Collectively) is set to HIGH QUALITY2.
35	Printer	(BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65, BP-FR12U only) Fixed a bug which takes too long for printing when POP data with high density of RGB are printed via PS driver.
36	Printer	Fixed a bug which takes too long to receive data or MFP locks up if the data are printed from iOS18 using AirPrint.

No.	Item	Detail
37	Image Send	Prevention of failure (such as fax communication error, PRI jam) which occurs by entering Sim mode during fax communication. The communication is canceled if fax communication is in progress while entering Sim mode. * Basically, when you enter Sim mode, please make sure to: - avoid entering Sim mode during communication, and - disconnect Fax line cable before entering Sim mode.
38	Image Send	Fixed a bug keep displaying [Waiting] which occurs if Blank Page Skip and OCR (character recognition) are enabled for Card Shot.
39	Image Send	Fixed files overwritten while Specified Pages per File is enabled and file name is directly input for scan to SMB.
40	Image Send	Fixed a bug which scan data are sent with less than scanned pages while skew adjustment and OCR (character recognition) are enabled.
41	Image Send	Fixed F6-00 (SCN MFP PWB - FAX Communication Error) which may occur if unexpected packet arrives multiple times.
42	Image Send	Fixed a failure to process OCR while scanning, ended up with an error.
43	Image Send	Fixed an error which may occur when scan data is sent designating a host name on SMB server while using the scan from Amazon web service.
44	OSA	Correction of the following trouble: After exiting OSA, if trying to start OSA again after operating for a while, it may not start and a blank screen may appear.
45	OSA	Correction of the following trouble: Even though the communication of OSA is ended, communicating state is not cleared, and the machine may not perform Auto Clear or the machine may not enter Energy Save mode.
46	OSA	Correction of the trouble that the auto logout does not work if leaving the machine without being operated even once.
47	OSA	Fixed missing image which occurs while copying A4 original to A5R paper with 8 in 1 in OSA.

Allowed Cipher Suites

	Enable (default)	Disable
Enable Legacy Cipher Suites for TLS	- TLS 1.2 (Encrypted communication) TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 TLS_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_256_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA256 TLS_RSA_WITH_AES_256_CBC_SHA256 TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	- TLS 1.2 (Encrypted communication) TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384
	- TLS 1.3 (Encrypted communication) TLS_AES_128_GCM_SHA256 TLS_AES_256_GCM_SHA384 TLS_CHACHA20_POLY1305_SHA256	- TLS 1.3 (Encrypted communication) TLS_AES_128_GCM_SHA256 TLS_AES_256_GCM_SHA384
	- TLS 1.2 (OSA browser) TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 TLS_RSA_WITH_AES_128_GCM_SHA256 TLS_RSA_WITH_AES_256_GCM_SHA384 TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA TLS_RSA_WITH_3DES_EDE_CBC_SHA TLS_RSA_WITH_AES_128_CBC_SHA TLS_RSA_WITH_AES_256_CBC_SHA	- TLS 1.2 (OSA browser) TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 TLS_RSA_WITH_AES_128_GCM_SHA256 TLS_RSA_WITH_AES_256_GCM_SHA384
	- TLS 1.3 (OSA browser) TLS_AES_128_GCM_SHA256 TLS_AES_256_GCM_SHA384 TLS_CHACHA20_POLY1305_SHA256	- TLS 1.3 (OSA browser) TLS_AES_128_GCM_SHA256 TLS_AES_256_GCM_SHA384 TLS_CHACHA20_POLY1305_SHA256
Enable Legacy Cipher Suites for Kerberos	- Kerberos ETYPE-AES256-CTS-HMAC-SHA1-96 ETYPE-AES128-CTS-HMAC-SHA1-96 ETYPE-DES3-CBC-SHA1 ETYPE-DES3-CBC-MD5 ETYPE-RC4-HMAC-MD5	- Kerberos ETYPE-AES256-CTS-HMAC-SHA1-96 ETYPE-AES128-CTS-HMAC-SHA1-96

How to solve the failure to execute SMB file sharing under domain environment

SMB file sharing may fail affected by the change described in #15 depends on the designated content of user name in SMB address (address for transmission to shared folder). Please see below and take appropriate action in such case:

[Occurrence Condition]

The account designated for SMB address is a domain user.

[Countermeasure]

Change user name of the account (designated for SMB address) to include domain name.

E.g. In case of [domain: domain.example.com] and [User name: username]:

[Information currently registered]

User name: username

[Information registered after change (either one of below)]

User name: domain¥username

User name: username@domain.example.com

You don't have to register again if the user name has been registered with above format.

Technical Report

ROM UPGRADE..... (19)

Items of change: No. 3, 4, and 5 have been changed.

Caution for firmware upgrade

- If upgrading from the version 0410Q100_00000000 or earlier you won't be able to restore original version.
- 0420Q100_25020700 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, PCU_BW-ROM and E-manual

From March 2025 production.

Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	E-manual
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	D03	0420Q100_25020700	0420Q100	0420Q100	-	0200Q100	0130Q1A0
BP-50M26, BP-50M31 BP-50M36, BP-50M45 BP-50M55, BP-50M65 BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	C03			-	0420q100		
BP-FR12U	-		0420Qc00	0420Q100	0420q100		
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 2.						

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
-	D02 C02	0410Q100_ 00000000	0410Q100	0410Q100	0410q100	0200Q100	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>(For North America only)</p> <p>The link to the User's Manual on the operation panel has been changed from QR code to NFC.</p> <p>* Above change will not be applied even if this firmware is installed to the machine already in operation.</p>
2	Specification	<p>Printing of Image Sending Activity Report (Fax) / Image Sending Activity Report (Scan) / Image Sending Activity Report (Internet Fax) has been changed from printing in the language on the operation panel to printing in the language in System Settings.</p> <p>Applicable operations:</p> <p>* Operation Panel > Settings > Status > List for Administrator</p> <p>* Operation Panel > Job Status > Action Panel</p> <p>* Device Web Page > Status > List for Administrator</p>

No.	Item	Detail																				
3	Main unit control	Additional modifications have been added to the following drum crack prevention control that has been introduced from January 2024 RC firmware.																				
		<div><div>[Old control] Temporary recovery operation (drum idling) has been added to the Advanced Settings and soft SW for the purpose to reduce the image quality trouble (95 mm pitch lines in the drum axial direction) after leaving the machine for a long time. * When changing the setting either of Advanced Settings or the Soft SW, the other one will also change in conjunction with it. [System Settings] > [System Control] > [Advanced Settings] ID:00049 Long-term inactivity monitoring setting • When the machine detects a long period of inactivity, it will perform a temporary recovery operation as a precautionary measure. OFF (default) ON SIM55-1 SW5 Data6 0: OFF (default) 1: ON</div></div>																				
		[New control] Addition of the operation mode. Add Data7 for control, and change to 4-pattern operation mode (Actually 3-pattern)																				
		<table><tr><td>SW5-6 * Work with Advanced Settings ID 00049: Long-term inactivity monitoring setting</td><td>SW5-7</td><td>Operation mode</td><td>Default</td></tr><tr><td>0</td><td>0</td><td>Do not operate</td><td></td></tr><tr><td>0</td><td>1</td><td>Conditionally perform a recovery operation *1</td><td>✓</td></tr><tr><td>1</td><td>0</td><td>Always perform a recovery operation *2</td><td></td></tr><tr><td>1</td><td>1</td><td></td><td></td></tr></table>	SW5-6 * Work with Advanced Settings ID 00049: Long-term inactivity monitoring setting	SW5-7	Operation mode	Default	0	0	Do not operate		0	1	Conditionally perform a recovery operation *1	✓	1	0	Always perform a recovery operation *2		1	1		
		SW5-6 * Work with Advanced Settings ID 00049: Long-term inactivity monitoring setting	SW5-7	Operation mode	Default																	
		0	0	Do not operate																		
		0	1	Conditionally perform a recovery operation *1	✓																	
		1	0	Always perform a recovery operation *2																		
		1	1																			
		*1 If conditions based on temperature and frequency of machine use are met, the drum is rotated every specified time. The recovery operation is performed if any one of the following conditions is met: 1) The temperature of 31°C or higher is detected in 21 days since the drum stopped running. Also, the temperature of 21°C or lower has not been detected. 2) The temperature of 31°C or higher has been detected in the past 10 times of process control. 3) The average number of rotations per day is less than 40 and the average number of pages per day is less than 4. If the conditions are met, the drum will be rotated at 9:00 a.m. in two days at the earliest.																				
*2 Regardless of temperature and frequency of machine use, the drum will be rotated every specified time (after 2 days).																						
Operation mode and set value after applying this firmware - Machine that Advanced Settings ID:00049 is set to "Enable". Operation mode ... Always perform a recovery operation Set value Advanced Settings ID:00049: "Enable" / SW5-6,7 : "11"																						
- Machine that Advanced Settings ID:00049 is set to "Disable". Operation mode ... Conditionally perform a recovery operation Set value Advanced Settings ID:00049: "Disable" / SW5-6,7 : "01"																						
Support of the silent start: A modification has been made so that the recovery operation can be performed while the operation panel is turned off.																						

No.	Item	Detail
4	Main unit control	<p>The function to control the machine from entering Energy Save mode has been added to the soft switch to suppress the image quality trouble (95mm pitch lines in the drum shaft direction) caused by charging to the same area of the drum when the machine repeatedly enters Energy Save mode and is recovered from Energy Save mode while the drum is stopped.</p> <p>SIM55-3 SW39-3 0: OFF (Default) 1: ON</p> <p>* When the machine receives packets from the network while it is in Energy Saving mode, the Energy Save is automatically cancelled, and those packets are analyzed. Also, when recovering from Energy Save, the drum is charged. If there are a lot of network packets other than print job, the following cycle will be caused: Entering Energy Save -> Recovery from Energy Save due to the reception of packets -> Entering Energy Save again. If this cycle is repeated while the drum stops, the same area of the drum is continuously charged, which may cause the image trouble (95mm pitch lines).</p> <p>* Operation when the Soft SW is enabled: If the cycle of Entering Energy Save -> Recovery from Energy Save due to the reception of packets -> Entering Energy Save again is repeated 20 times in a row, entering Energy Save mode is inhibited. However, when the printing operation is performed, the machine will enter Energy Save mode again.</p>
5	Main unit control	<p>(BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65, BP-FR12U only) Correction of the image trouble (Black streak) that may be generated by the developer being accumulated in DV tank due to the high temperature environment or vibration during transportation.</p> <p>* For the purpose to eliminate the built-up developer, the following idling operation is repeated at the time of installation (when leaving the machine for one week or longer): [Low speed idling: 1 sec -> Reverse rotation 0.04 sec -> Medium speed idling 1 sec -> Reverse rotation 0.04 sec]. (Number of repetitions will be 4 times in one set x 3)</p>
6	Main unit control	<p>(BP-50C55/65, BP-70C55/65, BP-FR12U only) Modification of toner replenishment operation (change of the toner control table value) as the countermeasure for the issue that BK density in High temperature/ low humidity environment is light.</p>



Technical Report

ROM UPGRADE..... (18)

Caution for firmware upgrade

- If upgrading from the version 0330Q100_24041000 or earlier you won't be able to restore original version.
- 0410Q100_240826000 is the common firmware for BP-50C26 etc. and BP-50M26 etc. and BP-FR12U.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65,
BP-50M26/31/36, BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36, BP-70M31/36/45/55/65)

2. Description:

Upgrade of ICU, PCU and PCU_BW-ROM

From September 2024 production.						
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU
BP-50C26, BP-50C31 BP-50C36	D01	0410Q100_ 24082600	0410Q100	0410Q100	-	0200Q100
BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65						
BP-50M26, BP-50M31 BP-50M36	C01			-	0410q100	
BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65						
BP-FR12U	-		0410Qc00	0410Q100	0410q100	
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 2.					

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(17)	D00 C00	0400Q100_ 24060500	0400Q100	0400Q100	0400q100	0200Q100	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	Main unit control	<p>Modification to add the control to rotate the power supply fan (PSFM) when the temperature is high in order to reduce the occurrence of frequent error codes (L3-00/L4-39/F1-00/L4-38/L4-32/L4-35/L4-51/L4-43/L4-03/U6-20/U6-00) due to the 24V output stop in the high temperature environment.</p> <p>Addition of a function to switch the temperature to rotate/ stop the power supply fan to the Soft SW.</p> <p>SIM55-1 SW24 Data1/Data2</p> <p>00: Fan rotates at 35.1℃ or higher, Fan stops at 34.1℃ or lower. (Default)</p> <p>01: Fan rotates at 31℃ or higher, Fan stops at 30℃ or lower.</p> <p>10: Fan rotates at 39℃ or higher, Fan stops at 38℃ or lower.</p> <p>11: Fan rotation control in high temperature is disabled. (operation as before)</p>
2	Main unit control	Correction of DRUM JAM that may be caused when printing Booklet of A4R.

No.	Item	Detail
3	Main unit control	<p>(BP-50M26/31/36, BP-70M31/36/45/55/65, BP-FR12U only)</p> <p>Addition of drum reverse rotation and lubricant supply after executing SIM 25-2 (Make the initial setting of toner density when replacing developer) after detecting of the separation of charging roller which operates at the initial setting in order to suppress flipping of the cleaning blade immediately after the installation.</p>
4	Main unit control	<p>(BP-50M26/31/36, BP-70M31/36/45/55/65, BP-FR12U only)</p> <p>Addition of a function to change the frequency of drum reverse rotation to the Soft SW to suppress flipping of the cleaning blade in the middle of its life.</p> <p>SIM55-1 SW17 Data1/Data2</p> <p>00: Lubricant supply is prohibited/ Drum reverse rotation is not performed at the time of Waste toner near end.</p> <p>01: Lubricant supply is prohibited/ Drum reverse rotation is performed (for every 70 sides) at the time of Waste toner near end. (Default)</p> <p>10: Lubricant supply is prohibited/ Drum reverse rotation is performed (when the drum is driving) at the time of Waste toner near end.</p> <p>11: Lubricant supply is allowed/ Drum reverse rotation is performed ((for every 70 sides) at the time of Waste toner near end.</p> <p><i>* Reverse rotation on BP-50C26/31 and other colour machines is linked to the color 1 TC belt, so please set this function in SIM44-28 TC1_BELT_REV+FOR. It is not linked to SW17-1/2.</i></p>
5	Network	<p>Correction of the trouble that cannot communicate with the Gateway if the momentary disconnection of wireless LAN occurs.</p> <p>*If the above symptom occurs, the communication is also unavailable even with the external server such as SMTP server.</p>



Technical Report

ROM UPGRADE..... (17)

CCE-3105R3 Item of change: No.50 has been fixed.
 CCE-3105R2 Item of change: No.57 has been added.
 CCE-3105R Item of change: No.16 has been fixed.

Caution for firmware upgrade

- If upgrading from the version 0330Q100_24041000 or earlier you won't be able to restore original version.
- 0400Q100_240605000 is the common firmware for BP-50C26 etc. and BP-50M26 etc. and BP-FR12U.

- 1. Model Name:** BP-50C26/31/36, BP-70C31/36/45/55/65,
 BP-50M26/31/36, BP-70M31/36/45/55/65,
 BP-FR12U (Option for BP-50C26/31/36,
 BP-70C31/36/45/55/65, BP-50M26/31/36, BP-70M31/36/45/55/65)
- 2. Description:** Upgrade of ICU, PCU, PCU_BW, SPF-ROM and E-manual

From July 2024 production.

From July 2024 production.								
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	SPF	E-manual
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	D00	0400Q100_ 24060500	0400Q100	0400Q100	-	0200Q100	0300Q100	0120Q1A0
BP-50M26, BP-50M31 BP-50M36, BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	C00			-	0400q100			
BP-FR12U	-		0400Qc00	0400Q100	0400q100			
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 2.							

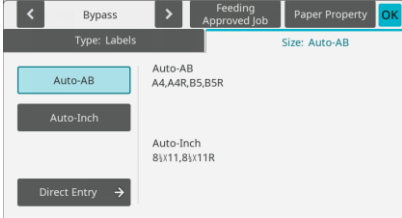
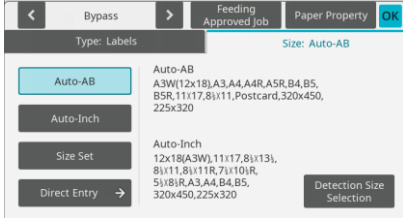
ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(16)	C06 B06	0330Q100_ 24041000	0330Q100	0330Q100	0330q100	0200Q100	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		0120Q10a			May.2022	CCE-2682
(2)	A03	0120Q10a_ 22031700	Apr. 2022				CCE-2658R	
(1)	A01	0101Q100_ 22021000	0100Q100				0100Q10c	Feb. 2022

Item of change

No.	Item	Detail
1	Specification	<p>(For North America and LAG3)</p> <ul style="list-style-type: none"> • Addition of the screen to set up the Remote Firmware Update in the Initial Wizard function Default value of Remote Firmware Update Setting: Disable * Initial Wizard is not displayed even if this firmware is applied to the machine that has already been operated. * Initial Wizard is displayed after initializing Private Data/Data in Machine, resetting Admin Password, and executing SIM6-90 (Reset the machine to the factory setting (The scanner is set to the lock enable position)). * Initial Wizard function cannot be disabled. * LAN cannot be used until the initial wizard is completed. * Related T/R No. CCE3106 <p>(For Australia)</p> <ul style="list-style-type: none"> • Addition of initial wizard function Initial wizard function displays the screens to set up the Language and Remote Firmware Update. Default value of Remote Firmware Update: Auto Update is enabled. • The setting screen has been changed from SIM26-29 (Remote firmware update setting) to [System Settings] > [Firmware Update Setting] so that the user can change the setting of Remote Firmware Update. * Initial Wizard is not displayed even if this firmware is applied to the machine that has already been operated. Initial Wizard is displayed after initializing Private Data/Data in Machine and resetting Admin Password. * Initial Wizard function cannot be disabled. * LAN cannot be used until the initial wizard is completed. * Related T/R No. CCE3106

No.	Item	Detail
2	Specification	Deletion of Remote trigger mode of Remote firmware update function. *When the [REMOTE] is enabled in SIM26-29 (Remote firmware update setting), it will be changed to [DISABLE] at the time of the firmware update in the field.
3	Specification	Expiration date has been updated to 05/08/2026 as it was set as 10/21/2024 in the information (client secret) used to OAuth2.0 authentication of SMTP/POP3 and the authentication would not be performed and SMTP/POP3 would be unavailable after the expire date.
4	Specification	In the external authentication environment (LDAP authentication/AD authentication), when the Auto-registered user function is enabled, the auto-registered user is created on the MFP, but if the user name is changed on the external server, it is not reflected on the MFP. For the reason above, the feature to update the user name has been added to the [Advanced Settings]. [System Settings] > [System Control] > [Advanced Settings] ID:00050 Update Setting of User Name in Offline Authentication •Update the User Name of stored user information in Offline Authentication from the server. ON (default) OFF * If the user name cannot be obtained, the login name will be assigned. * Manually registered users are not updated. * OSA authentication is not applicable.
5	Specification	Addition of the feature to change the operation for the purpose to reduce the Fusing unit abnormal noise to the Advanced Settings [System Settings] > [System Control] > [Advanced Settings] ID:00051 Fusing Unit Noise Countermeasure Operation Setting •Warm Up Start Timing Adjustment OFF (default) Setting 1 (Delay-Time Short) Setting 2 (Delay-Time Long)
6	Specification	Addition of the auto execution setting of fusing unit cleaning mode for the purpose to reduce the paper jam that is winding around the fusing unit to the Advanced Settings [System Settings] > [System Control] > [Advanced Settings] ID:00052 Cleaning Sheet Automatic Printing Operation Setting •Enable Automatic Printing Operation Setting. OFF (default) ON •Printing Interval 1,000 Sheets 5,000 Sheets 10,000 Sheets (Default) 25,000 Sheets 50,000 Sheets 100,000 Sheets *At the time of auto execution, one paper is output in the same way as manual execution (System Settings > Image Quality Adjustment > Collective Adjustment > Fusing Cleaning Mode).
7	Specification	Support for displaying the ID list of Advance Settings in ascending order
8	Specification	Addition of the feature to delete all address books in accordance with the instruction of Synappx Manage for the following reason: Before distributing the address book from Synappx Manage, all address books need to be deleted, however, there was no feature of all deletion. * Only the communication via the expansion FSS is supported.

No.	Item	Detail
9	Specification	<p>Following items have been added as a target of Remote Maintenance of Synappx Manage: Only the communication via the expansion FSS is supported.</p> <ul style="list-style-type: none"> *SIM56-99 (various logs) <p>The communication via the expansion FSS and via PC agent is supported.</p> <ul style="list-style-type: none"> * SIM55-3 (Soft SW) * SIM26-78 (Remote operation password setting)
10	Specification	The setting of Oath authentication of SMTP/POP3 could only be configured on the operation panel, but have been modified so that it can be performed both on the operation panel and on the device WebPage.
11	Specification	Modification is made to stop the print and display the message indicating no appropriate paper "Load XX paper. (Type: **)" when the paper is empty in the middle of the print job with the bypass tray specified and the special size is detected due to the state when loading the paper to the bypass tray (e.g., Manual paper feed guide is widen).
12	Specification	Modification has been made to change the paper type automatically according to [Paper Type for Postcards] in System Settings as the job may printed with Plain Paper and the fusing trouble may occur when the paper size of the print data is set to [Postcard] and also the paper type is set to [Auto].
13	Specification	<p>The information displayed of the auto detection candidate size has been changed due to the following reason: When printing on the A5 Label, if the paper type is set to "Labels", A5 size is not displayed as the auto detection candidate size, and it looks like as if the print cannot be performed with that size. In addition to above, the following modification has been made: When setting the paper type to "Labels", [Size Set] button and [Detection Size Selection] button that were hidden are displayed.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Before change</p> </div> <div style="text-align: center;">  <p>After change</p> </div> </div>
14	Specification	Modification has been made to be able to download Chinese fonts as it is not possible to print Chinese with Direct Print due to no Chinese fonts on the main unit of MFP in the case of PDF that the font is not embedded though the Chinese fonts are specified. (CID font and CMap file are supported.)
15	Specification	<p>There are only two options for stapling, either Stapling with [Collate] or [UnCollate]. However, when printing from a specific system, there are cases where the job is output by few pages in one job, and there is a demand to staple in that specified pages. For the reason above, the modification has been made to be able to staple for each number of pages specified with the printer driver.</p> <ul style="list-style-type: none"> * Staple and Stapleless staple are applicable. (Saddle staple is not applicable). * The number of pages that can be specified is from 2 to 30. * No staple beyond the set. * The followings are not applicable: <ul style="list-style-type: none"> : Staple every X sheets : Carbon Copy : Z-Fold *Applicable driver: Windows PCL6/PS

No.	Item	Detail
16	Specification	<p>The setting to prioritize the original size of the printer driver with the paper feed tray of the main unit has been added to the Soft SW.</p> <p>SIM55-3 SW25 Data8</p> <p>0 : OFF (Default)</p> <p>1 : ON</p> <p>* Only the Tray 1 is applicable.</p> <p>* Only B6R paper is supported. (Specified as the custom size)</p>
17	Specification	<p>The screen of the Job List of Print Release has been improved for the following reason:</p> <p>The status of the Primary Unit is displayed on the Job List screen of Print Release, and if the communication with the Primary Unit is not possible, the icon indicates whether or not communication is not possible, but it is difficult to see with which Primary Unit communication is not possible.</p> <p>* Fix the icon position of Primary Unit.</p> <p>* Assign the number to Primary Unit icon.</p>
18	Specification	<p>Following improvement has been made:</p> <p>When using the Group function of Print Release, it is necessary to touch the Print Release icon on the Home screen and then switch the group within the Print Release screen to display the job registered to other group, so the modification has been made to be able to place the multiple Print Release icons with the group being allocated on the Home screen.</p>
19	Specification	<p>[AES 256bit] [AES 128bit] have been supported as the encrypted PDF of Scan PDF. (PDF Ver.1.7 supported)</p>
20	Specification	<p>Modification has been made to be able to select or specify the address directly from Address Book, not handling as no authority for the user who has no address (no e-mail or HomeDirectory of the login user) on the conditions that the Default Address is enabled and also the cancel of the Default Address is allowed.</p>
21	Specification	<p>Regarding the file automatic deletion of Document Filing, the files could be deleted only by one day so the deletion cycle has been improved as below:</p> <p>* It is possible to set up 1 hour/ 2 hours/ 3 hours/ 6 hours/ 8 hours/ 12 hours as the elapsed time.</p> <p>* Checks are made every hour at 0 minutes and files that have elapsed beyond the set time are deleted.</p> <p>* Along with the addition of time specification, the layout of the file automatic deletion setting list is changed.</p> <p>- The columns [Day of the week], [Day], [Elapsed time], and [Time], are deleted and all items except for [Enabled] are displayed in the [Schedule] column.</p>
22	Specification	<p>Improvement of UI when deleting the Authority Group</p> <p>* The state that the Group List is selected is not cleared even when changing the Authority Group of the destination.</p> <p>* The button of "Return to the Defaults" has been added.</p> <p>* The confirmation message before execution has been changed.</p> <p>"If you restore the permission group to the factory default, the permissions of all users using this group will be the selected permissions."</p>
23	Specification	<p>SAN (Subject Alternate Name) has been added as the item when creating below: [System Settings] > [Security Settings] > [Certificate Signing Request (CSR) Management]</p>
24	Specification	<p>The following counters listed in the main body of E-RIC have been added to MIB:</p> <ul style="list-style-type: none"> - Inserted Toner Number (Bk/C/M/Y) - Toner NN End (Bk/C/M/Y) - Toner End (Bk/C/M/Y)

No.	Item	Detail
25	Specification	<p>Since the message of double feed detection and message of paper jam are the same, it is difficult to distinguish whether the double feed is detected or the paper jam occurs, the message of the double feed detection has been changed to [Make sure no sheets of the original are stuck together.].</p> <p>*DOUBLE FEED DETECTION KIT needs to be installed to use the Double Feed Detection function.</p>
26	Specification	<ul style="list-style-type: none"> • Addition of the setting to hide the Mode Selection Screen: [System Settings] > [Common Settings] > [Operation Settings] > [Mode Key Display Setting] > [Display Mode Selection Screen] • Addition of the setting to disable the icon edit function on the home screen during user authentication [System Settings] > [Authentication Settings] > [Default Settings] > [Administration Settings] [System Settings] > [Common Settings] > [Device Control] > [Disable Settings] > [Authentication Settings] (Behavior when [Disable Settings] is enabled) <ul style="list-style-type: none"> - Home edit button has been deleted from the action panel on the home screen. - [Register for Home] key at the time of program registration has been deleted. - It is not possible to change the custom display pattern and setting of text color on the home screen.
27	Specification	<p>The creation of N-UP image when printing the PDR from Sharpdesk Mobile has been changed from Sharpest Mobile to MFP, and the PDF that N-UP is available has been changed from Only PDFs created with Sharp MFPs to All PDFs.</p>
28	Specification	<p>Change of UI of [Recent Jobs]</p> <ul style="list-style-type: none"> - The number of histories displayed on one screen has been changed from 5 to 10. - For details of the jobs, only the histories selected from the list are displayed. - The method how to call the jobs has been changed from touching the histories to touching the [call] button after selecting the histories. <p>*Above will not be changed when updating the firmware for the field.</p>
29	Specification	<p>Operation when the Fold is specified and also the paper that cannot be folded is selected has been changed as below:</p> <p>Before change: Display the "This paper cannot be folded." message and does not print.</p> <p>After change: Display the message that the paper may not be folded depending on the setting of the paper, and print without folding if the paper cannot be folded.</p> <p>*Above will not be changed even if this firmware is applied to the machine that has already been operated.</p>
30	Specification	<p>Operation when the maximum number of sheets is reached in Saddle Stitch has been changed from [Cancel Stapling and Print] to [Stop the Job and Display Confirmation Message].</p> <p>In addition, the message in System Settings screen has been changed from [Actions When Maximum Number of Sheets that can be Stapled is Reached] to [Actions When Maximum Number of Sheets that can be Stapled is Reached (Saddle Stitch Excluded)].</p>
31	Specification	<p>Message when the manual staple is competed has been changed from [Remove paper from the insertion slot for manual stapling [OK].] to [Manual stapling is completed.].</p>

No.	Item	Detail												
32	Specification	(For North America) Change of QR code displayed on the [Easy Connect (QR code)] screen. *Valid QR code is displayed on the left side of the screen according to the following settings. [System Settings] > [Network Settings] > [Easy Connection Setting] > [Destination] •Connect with the machine •Connect with the following access point *Invalid QR code is displayed on the right side of the screen (Error occurs on Sharpdesk Mobile at the time of reading.) *Above will be changed even if this firmware is applied to the machine that has already been operated.												
		<table><tr><th>Destination</th><th>Before change</th><th>After change</th></tr><tr><td>Connect with the machine: Access point mode</td><td>Display QR code for connecting with this machine.</td><td>Unchanged.</td></tr><tr><td>Connect with the machine: Other than access point mode</td><td>Display an error without displaying QR code.</td><td>Display QR code for connecting with this machine without displaying an error.</td></tr><tr><td>Connect with the following access point</td><td>Display QR code for an external AP.</td><td>Display QR code for connecting with this machine and QR code for an external AP at the same time.</td></tr></table>	Destination	Before change	After change	Connect with the machine: Access point mode	Display QR code for connecting with this machine.	Unchanged.	Connect with the machine: Other than access point mode	Display an error without displaying QR code.	Display QR code for connecting with this machine without displaying an error.	Connect with the following access point	Display QR code for an external AP.	Display QR code for connecting with this machine and QR code for an external AP at the same time.
		Destination	Before change	After change										
		Connect with the machine: Access point mode	Display QR code for connecting with this machine.	Unchanged.										
		Connect with the machine: Other than access point mode	Display an error without displaying QR code.	Display QR code for connecting with this machine without displaying an error.										
Connect with the following access point	Display QR code for an external AP.	Display QR code for connecting with this machine and QR code for an external AP at the same time.												
33	Specification	For [System Settings] > [Network Settings] > [Wireless Settings] > [Connection Type], [Wired + Wireless (Access Point Mode)] and [Wired + Wireless (Wi-Fi Direct Mode)] has been integrated into [Wired + Wireless (Direct Connection)], and the setting to switch between [Access Point Mode] and [Wi-Fi Direct Mode] has been added into the Direct Connection setting.												
34	Specification	For the access point auto disabling function when there is no connection for 180 seconds or more after startup of access point by touching NFC, the dialogue has been changed to display as below. Disable Wireless (Access Point)? [Cancel] [Disable]												
35	Specification	For the popup message when the change of the paper conditions (paper size, paper empty) is detected, the message at the time of recovering from Energy Save has been changed from "current paper type, paper size, and the [>] button (a button to transition to the setting change screen) are displayed" to "indicates that the paper has been changed and that the input tray settings are being confirmed." *Only the message at the time of recovering from Energy Save has been changed, and the messages in the normal mode have not been changed. *Above will be changed even if this firmware is applied to the machine that has already been operated.												
36	Specification	For Auto Power Shut-Off setting of remote job in [System Settings] > [Eco Setting], the option has been changed from [As soon as the remote job is finished] to be able to select [Earliest] or [1-120min.].												
37	Specification	When the device account mode is enabled and also the login with the different user is allowed, the message if attempting to use an unauthorized function has been changed from [This function is restricted by the administrator. Please select the other function. Please login if you want to use it. [Login]] to [This function is restricted by the administrator. Please logout and login as a different user if you want to use it. [Logout]].												
38	Main unit control	Modification of the communication recovery processing for the purpose to reduce the occurrence of E7-90 (SCN MFP PWB, PCU PWB communication error)												

No.	Item	Detail
39	Main unit control	Change of the timeout period to prevent the firmware update failure due to the delay in the operation of MFP program ROM (eMMC).
40	Main unit control	Correction of the trouble that the backup data is updated with the corrupted data even though U2-81 (SCN machine adjustment data sum check error) occurs, and the machine may not be recovered.
41	Main unit control	Modification of the operation of holding the verification error status in eMMC and displaying E7-C3 (firmware error) without re-verification being performed so that the firmware verification will be performed again at the next startup. * Firmware verification/ restore at the startup will work when the following setting is enabled: In [System Settings] > [Condition Settings] > [If Firmware Corruption is Detected, Restore It] is enabled.
42	Main unit control	Correction of the following trouble: When the first job is reprinting and the second job is performing USB Pull Print, if the second job is cancelled and deleted at the timing of the paper empty of the first job, the "Please wait" message remains displayed.
43	Main unit control	The number of retries for downloading in Remote Firmware Update was 6, but has been extended to 6 retries for one set that can continue the retries for 7 days to improve the success rate.
44	Main unit control	Correction of the trouble that the first one-touch address becomes blank when migrating the storage backup data with Sim56-9 (Import of Address Book)
45	Main unit control	Correction of the trouble that the voice alert when the user forgets to take the original does not speak in the vendor mode.
46	Main unit control	Correction of the following trouble: Depending on the timing of entering into Energy Save mode after Remote Firmware Update, the internal management files are not updated correctly, and after that the communication with the cloud server for Remote Firmware Update may not be established after that.
47	Main unit control	The timeout period for processing to apply the differences has been changed from 20 minutes to 1 hour to improve the success rate of Remote Firmware Update.
48	Main unit control	(BP-50C55/65, BP-70C55/65, BP-FR12U only.) Correction of the trouble that "Prepare a new toner." message is occasionally displayed at the time of initial installation.
49	Main unit control	Correction of the trouble that the temporary recovery operation (drum idling) does not work, resulting in the occasional image quality trouble (95 mm pitch lines in the drum axial direction) even though the setting of Item No.3 that the measures were implemented in January 2024 is enabled. Related T/R: CCE3035
50	Main unit control	For the purpose to reduce the image quality troubles (lines and unevenness) on the halftone areas, the feature to drive the photoreceptor at regular interval and idle it after leaving it a certain period of time. [Procedure] (1) Update the firmware. (2) Change the setting of Sim26-50 H (POWER SHUT-OFF SET) to 1 (display of Auto Power Shut-Off). (3) In [System Settings] > [Energy Save] > [Eco Setting] Untick the following 2 items. * "Auto Power Shut-Off" * "As soon as the remote job is finished, enter Auto power shut off mode." (4) Change the values in Sim44-15 (set the OPC drum idle rotation) as below: •A(TIME):4 •C(AREA2):8 •D(CYCLE):255 •E(FLAG):7 •G(AREA3):30

No.	Item	Detail
51	Main unit control	(BP-70M45/55/65, BP-FR12U only) Modification of the control when printing the small size paper for the purpose to reduce the breakage of the fusing belt.
52	Image Send	Correction of the trouble that the screen freezes depending on the timing of performing the Preview Scan job when the setting of [Blank Page Skip] or [Book Divide] is enabled with ScanToUSB.
53	Image Send	Correction of the trouble that the machine freezes when the timing of the PC-Fax sending job and the entry into Energy Saving mode (nighttime mode entry process to FAXBOX) are the same, and FAX communication may be impossible.
54	Image Send	Correction of the trouble that the machine may freeze when scanning/ storing the data at the deletion time when the following setting is enabled: In [System Settings] > [Document Filing Setting], [Automatic Deletion of File Settings] is enabled.
55	Image Send	For the purpose of improvement of the print speed of FAX job, The countermeasure has been implemented to ease the conditions of control to wait for the paper feeding of the FAX job to reduce the paper feed wait, which occasionally operated on the second side or later.
56	OSA	Correction of the trouble that after the polling of the OSA has gone offline due to the network interruption, it cannot be in the online state even if it is reconnected.
57	Specification	Update of jQuery Plug-in used on the web server inside the MFP to v3.6.4

Technical Report

ROM UPGRADE..... (17)

CCE-3105R2 Item of change: No.57 has been added.
CCE-3105R Item of change: No.16 has been fixed.

Caution for firmware upgrade

- If upgrading from the version 0330Q100_24041000 or earlier you won't be able to restore original version.
- 0400Q100_240605000 is the common firmware for BP-50C26 etc. and BP-50M26 etc. and BP-FR12U.

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

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

From July 2024 production.

Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	SPF	E-manual
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	D00	0400Q100_ 24060500	0400Q100	0400Q100	-	0200Q100	0300Q100	0120Q1A0
BP-50M26, BP-50M31 BP-50M36, BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	C00			-	0400q100			
BP-FR12U	-		0400Qc00	0400Q100	0400q100			
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 2.							

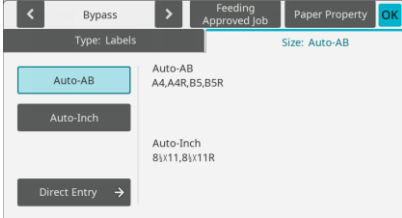
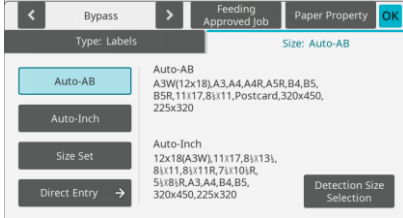
ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(16)	C06 B06	0330Q100_ 24041000	0330Q100	0330Q100	0330q100	0200Q100	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		0120Q10a			May.2022	CCE-2682
(2)	A03	0120Q10a_ 22031700	Apr. 2022				CCE-2658R	
(1)	A01	0101Q100_ 22021000	0100Q100				0100Q10c	Feb. 2022

Item of change

No.	Item	Detail
1	Specification	<p>(For North America and LAG3)</p> <ul style="list-style-type: none"> • Addition of the screen to set up the Remote Firmware Update in the Initial Wizard function Default value of Remote Firmware Update Setting: Disable * Initial Wizard is not displayed even if this firmware is applied to the machine that has already been operated. * Initial Wizard is displayed after initializing Private Data/Data in Machine, resetting Admin Password, and executing SIM6-90 (Reset the machine to the factory setting (The scanner is set to the lock enable position)). * Initial Wizard function cannot be disabled. * LAN cannot be used until the initial wizard is completed. * Related T/R No. CCE3106 <p>(For Australia)</p> <ul style="list-style-type: none"> • Addition of initial wizard function Initial wizard function displays the screens to set up the Language and Remote Firmware Update. Default value of Remote Firmware Update: Auto Update is enabled. • The setting screen has been changed from SIM26-29 (Remote firmware update setting) to [System Settings] > [Firmware Update Setting] so that the user can change the setting of Remote Firmware Update. * Initial Wizard is not displayed even if this firmware is applied to the machine that has already been operated. Initial Wizard is displayed after initializing Private Data/Data in Machine and resetting Admin Password. * Initial Wizard function cannot be disabled. * LAN cannot be used until the initial wizard is completed. * Related T/R No. CCE3106

No.	Item	Detail
2	Specification	Deletion of Remote trigger mode of Remote firmware update function. *When the [REMOTE] is enabled in SIM26-29 (Remote firmware update setting), it will be changed to [DISABLE] at the time of the firmware update in the field.
3	Specification	Expiration date has been updated to 05/08/2026 as it was set as 10/21/2024 in the information (client secret) used to OAuth2.0 authentication of SMTP/POP3 and the authentication would not be performed and SMTP/POP3 would be unavailable after the expire date.
4	Specification	In the external authentication environment (LDAP authentication/AD authentication), when the Auto-registered user function is enabled, the auto-registered user is created on the MFP, but if the user name is changed on the external server, it is not reflected on the MFP. For the reason above, the feature to update the user name has been added to the [Advanced Settings]. [System Settings] > [System Control] > [Advanced Settings] ID:00050 Update Setting of User Name in Offline Authentication •Update the User Name of stored user information in Offline Authentication from the server. ON (default) OFF * If the user name cannot be obtained, the login name will be assigned. * Manually registered users are not updated. * OSA authentication is not applicable.
5	Specification	Addition of the feature to change the operation for the purpose to reduce the Fusing unit abnormal noise to the Advanced Settings [System Settings] > [System Control] > [Advanced Settings] ID:00051 Fusing Unit Noise Countermeasure Operation Setting •Warm Up Start Timing Adjustment OFF (default) Setting 1 (Delay-Time Short) Setting 2 (Delay-Time Long)
6	Specification	Addition of the auto execution setting of fusing unit cleaning mode for the purpose to reduce the paper jam that is winding around the fusing unit to the Advanced Settings [System Settings] > [System Control] > [Advanced Settings] ID:00052 Cleaning Sheet Automatic Printing Operation Setting •Enable Automatic Printing Operation Setting. OFF (default) ON •Printing Interval 1,000 Sheets 5,000 Sheets 10,000 Sheets (Default) 25,000 Sheets 50,000 Sheets 100,000 Sheets *At the time of auto execution, one paper is output in the same way as manual execution (System Settings > Image Quality Adjustment > Collective Adjustment > Fusing Cleaning Mode).
7	Specification	Support for displaying the ID list of Advance Settings in ascending order
8	Specification	Addition of the feature to delete all address books in accordance with the instruction of Synappx Manage for the following reason: Before distributing the address book from Synappx Manage, all address books need to be deleted, however, there was no feature of all deletion. * Only the communication via the expansion FSS is supported.

No.	Item	Detail
9	Specification	<p>Following items have been added as a target of Remote Maintenance of Synappx Manage: Only the communication via the expansion FSS is supported. *SIM56-99 (various logs) The communication via the expansion FSS and via PC agent is supported. * SIM55-3 (Soft SW) * SIM26-78 (Remote operation password setting)</p>
10	Specification	<p>The setting of Oath authentication of SMTP/POP3 could only be configured on the operation panel, but have been modified so that it can be performed both on the operation panel and on the device WebPage.</p>
11	Specification	<p>Modification is made to stop the print and display the message indicating no appropriate paper "Load XX paper. (Type: **)" when the paper is empty in the middle of the print job with the bypass tray specified and the special size is detected due to the state when loading the paper to the bypass tray (e.g., Manual paper feed guide is widen).</p>
12	Specification	<p>Modification has been made to change the paper type automatically according to [Paper Type for Postcards] in System Settings as the job may printed with Plain Paper and the fusing trouble may occur when the paper size of the print data is set to [Postcard] and also the paper type is set to [Auto].</p>
13	Specification	<p>The information displayed of the auto detection candidate size has been changed due to the following reason: When printing on the A5 Label, if the paper type is set to "Labels", A5 size is not displayed as the auto detection candidate size, and it looks like as if the print cannot be performed with that size. In addition to above, the following modification has been made: When setting the paper type to "Labels", [Size Set] button and [Detection Size Selection] button that were hidden are displayed.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Before change</p> </div> <div style="text-align: center;">  <p>After change</p> </div> </div>
14	Specification	<p>Modification has been made to be able to download Chinese fonts as it is not possible to print Chinese with Direct Print due to no Chinese fonts on the main unit of MFP in the case of PDF that the font is not embedded though the Chinese fonts are specified. (CID font and CMap file are supported.)</p>
15	Specification	<p>There are only two options for stapling, either Stapling with [Collate] or [UnCollate]. However, when printing from a specific system, there are cases where the job is output by few pages in one job, and there is a demand to staple in that specified pages. For the reason above, the modification has been made to be able to staple for each number of pages specified with the printer driver.</p> <ul style="list-style-type: none"> * Staple and Stapleless staple are applicable. (Saddle staple is not applicable). * The number of pages that can be specified is from 2 to 30. * No staple beyond the set. * The followings are not applicable: <ul style="list-style-type: none"> : Staple every X sheets : Carbon Copy : Z-Fold *Applicable driver: Windows PCL6/PS

No.	Item	Detail
16	Specification	<p>The setting to prioritize the original size of the printer driver with the paper feed tray of the main unit has been added to the Soft SW.</p> <p>SIM55-3 SW25 Data8</p> <p>0 : OFF (Default)</p> <p>1 : ON</p> <p>* Only the Tray 1 is applicable.</p> <p>* Only B6R paper is supported. (Specified as the custom size)</p>
17	Specification	<p>The screen of the Job List of Print Release has been improved for the following reason:</p> <p>The status of the Primary Unit is displayed on the Job List screen of Print Release, and if the communication with the Primary Unit is not possible, the icon indicates whether or not communication is not possible, but it is difficult to see with which Primary Unit communication is not possible.</p> <p>* Fix the icon position of Primary Unit.</p> <p>* Assign the number to Primary Unit icon.</p>
18	Specification	<p>Following improvement has been made:</p> <p>When using the Group function of Print Release, it is necessary to touch the Print Release icon on the Home screen and then switch the group within the Print Release screen to display the job registered to other group, so the modification has been made to be able to place the multiple Print Release icons with the group being allocated on the Home screen.</p>
19	Specification	<p>[AES 256bit] [AES 128bit] have been supported as the encrypted PDF of Scan PDF. (PDF Ver.1.7 supported)</p>
20	Specification	<p>Modification has been made to be able to select or specify the address directly from Address Book, not handling as no authority for the user who has no address (no e-mail or HomeDirectory of the login user) on the conditions that the Default Address is enabled and also the cancel of the Default Address is allowed.</p>
21	Specification	<p>Regarding the file automatic deletion of Document Filing, the files could be deleted only by one day so the deletion cycle has been improved as below:</p> <p>* It is possible to set up 1 hour/ 2 hours/ 3 hours/ 6 hours/ 8 hours/ 12 hours as the elapsed time.</p> <p>* Checks are made every hour at 0 minutes and files that have elapsed beyond the set time are deleted.</p> <p>* Along with the addition of time specification, the layout of the file automatic deletion setting list is changed.</p> <p>- The columns [Day of the week], [Day], [Elapsed time], and [Time], are deleted and all items except for [Enabled] are displayed in the [Schedule] column.</p>
22	Specification	<p>Improvement of UI when deleting the Authority Group</p> <p>* The state that the Group List is selected is not cleared even when changing the Authority Group of the destination.</p> <p>* The button of "Return to the Defaults" has been added.</p> <p>* The confirmation message before execution has been changed.</p> <p>"If you restore the permission group to the factory default, the permissions of all users using this group will be the selected permissions."</p>
23	Specification	<p>SAN (Subject Alternate Name) has been added as the item when creating below: [System Settings] > [Security Settings] > [Certificate Signing Request (CSR) Management]</p>
24	Specification	<p>The following counters listed in the main body of E-RIC have been added to MIB:</p> <ul style="list-style-type: none"> - Inserted Toner Number (Bk/C/M/Y) - Toner NN End (Bk/C/M/Y) - Toner End (Bk/C/M/Y)

No.	Item	Detail
25	Specification	<p>Since the message of double feed detection and message of paper jam are the same, it is difficult to distinguish whether the double feed is detected or the paper jam occurs, the message of the double feed detection has been changed to [Make sure no sheets of the original are stuck together.].</p> <p>*DOUBLE FEED DETECTION KIT needs to be installed to use the Double Feed Detection function.</p>
26	Specification	<ul style="list-style-type: none"> • Addition of the setting to hide the Mode Selection Screen: [System Settings] > [Common Settings] > [Operation Settings] > [Mode Key Display Setting] > [Display Mode Selection Screen] • Addition of the setting to disable the icon edit function on the home screen during user authentication [System Settings] > [Authentication Settings] > [Default Settings] > [Administration Settings] [System Settings] > [Common Settings] > [Device Control] > [Disable Settings] > [Authentication Settings] (Behavior when [Disable Settings] is enabled) <ul style="list-style-type: none"> - Home edit button has been deleted from the action panel on the home screen. - [Register for Home] key at the time of program registration has been deleted. - It is not possible to change the custom display pattern and setting of text color on the home screen.
27	Specification	<p>The creation of N-UP image when printing the PDR from Sharpdesk Mobile has been changed from Sharpest Mobile to MFP, and the PDF that N-UP is available has been changed from Only PDFs created with Sharp MFPs to All PDFs.</p>
28	Specification	<p>Change of UI of [Recent Jobs]</p> <ul style="list-style-type: none"> - The number of histories displayed on one screen has been changed from 5 to 10. - For details of the jobs, only the histories selected from the list are displayed. - The method how to call the jobs has been changed from touching the histories to touching the [call] button after selecting the histories. <p>*Above will not be changed when updating the firmware for the field.</p>
29	Specification	<p>Operation when the Fold is specified and also the paper that cannot be folded is selected has been changed as below:</p> <p>Before change: Display the "This paper cannot be folded." message and does not print.</p> <p>After change: Display the message that the paper may not be folded depending on the setting of the paper, and print without folding if the paper cannot be folded.</p> <p>*Above will not be changed even if this firmware is applied to the machine that has already been operated.</p>
30	Specification	<p>Operation when the maximum number of sheets is reached in Saddle Stitch has been changed from [Cancel Stapling and Print] to [Stop the Job and Display Confirmation Message].</p> <p>In addition, the message in System Settings screen has been changed from [Actions When Maximum Number of Sheets that can be Stapled is Reached] to [Actions When Maximum Number of Sheets that can be Stapled is Reached (Saddle Stitch Excluded)].</p>
31	Specification	<p>Message when the manual staple is competed has been changed from [Remove paper from the insertion slot for manual stapling [OK].] to [Manual stapling is completed.].</p>

No.	Item	Detail												
32	Specification	(For North America) Change of QR code displayed on the [Easy Connect (QR code)] screen. *Valid QR code is displayed on the left side of the screen according to the following settings. [System Settings] > [Network Settings] > [Easy Connection Setting] > [Destination] •Connect with the machine •Connect with the following access point *Invalid QR code is displayed on the right side of the screen (Error occurs on Sharpdesk Mobile at the time of reading.) *Above will be changed even if this firmware is applied to the machine that has already been operated.												
		<table><tr><th>Destination</th><th>Before change</th><th>After change</th></tr><tr><td>Connect with the machine: Access point mode</td><td>Display QR code for connecting with this machine.</td><td>Unchanged.</td></tr><tr><td>Connect with the machine: Other than access point mode</td><td>Display an error without displaying QR code.</td><td>Display QR code for connecting with this machine without displaying an error.</td></tr><tr><td>Connect with the following access point</td><td>Display QR code for an external AP.</td><td>Display QR code for connecting with this machine and QR code for an external AP at the same time.</td></tr></table>	Destination	Before change	After change	Connect with the machine: Access point mode	Display QR code for connecting with this machine.	Unchanged.	Connect with the machine: Other than access point mode	Display an error without displaying QR code.	Display QR code for connecting with this machine without displaying an error.	Connect with the following access point	Display QR code for an external AP.	Display QR code for connecting with this machine and QR code for an external AP at the same time.
		Destination	Before change	After change										
		Connect with the machine: Access point mode	Display QR code for connecting with this machine.	Unchanged.										
		Connect with the machine: Other than access point mode	Display an error without displaying QR code.	Display QR code for connecting with this machine without displaying an error.										
Connect with the following access point	Display QR code for an external AP.	Display QR code for connecting with this machine and QR code for an external AP at the same time.												
33	Specification	For [System Settings] > [Network Settings] > [Wireless Settings] > [Connection Type], [Wired + Wireless (Access Point Mode)] and [Wired + Wireless (Wi-Fi Direct Mode)] has been integrated into [Wired + Wireless (Direct Connection)], and the setting to switch between [Access Point Mode] and [Wi-Fi Direct Mode] has been added into the Direct Connection setting.												
34	Specification	For the access point auto disabling function when there is no connection for 180 seconds or more after startup of access point by touching NFC, the dialogue has been changed to display as below. Disable Wireless (Access Point)? [Cancel] [Disable]												
35	Specification	For the popup message when the change of the paper conditions (paper size, paper empty) is detected, the message at the time of recovering from Energy Save has been changed from "current paper type, paper size, and the [>] button (a button to transition to the setting change screen) are displayed" to "indicates that the paper has been changed and that the input tray settings are being confirmed." *Only the message at the time of recovering from Energy Save has been changed, and the messages in the normal mode have not been changed. *Above will be changed even if this firmware is applied to the machine that has already been operated.												
36	Specification	For Auto Power Shut-Off setting of remote job in [System Settings] > [Eco Setting], the option has been changed from [As soon as the remote job is finished] to be able to select [Earliest] or [1-120min.].												
37	Specification	When the device account mode is enabled and also the login with the different user is allowed, the message if attempting to use an unauthorized function has been changed from [This function is restricted by the administrator. Please select the other function. Please login if you want to use it. [Login]] to [This function is restricted by the administrator. Please logout and login as a different user if you want to use it. [Logout]].												
38	Main unit control	Modification of the communication recovery processing for the purpose to reduce the occurrence of E7-90 (SCN MFP PWB, PCU PWB communication error)												

No.	Item	Detail
39	Main unit control	Change of the timeout period to prevent the firmware update failure due to the delay in the operation of MFP program ROM (eMMC).
40	Main unit control	Correction of the trouble that the backup data is updated with the corrupted data even though U2-81 (SCN machine adjustment data sum check error) occurs, and the machine may not be recovered.
41	Main unit control	Modification of the operation of holding the verification error status in eMMC and displaying E7-C3 (firmware error) without re-verification being performed so that the firmware verification will be performed again at the next startup. * Firmware verification/ restore at the startup will work when the following setting is enabled: In [System Settings] > [Condition Settings] > [If Firmware Corruption is Detected, Restore It] is enabled.
42	Main unit control	Correction of the following trouble: When the first job is reprinting and the second job is performing USB Pull Print, if the second job is cancelled and deleted at the timing of the paper empty of the first job, the "Please wait" message remains displayed.
43	Main unit control	The number of retries for downloading in Remote Firmware Update was 6, but has been extended to 6 retries for one set that can continue the retries for 7 days to improve the success rate.
44	Main unit control	Correction of the trouble that the first one-touch address becomes blank when migrating the storage backup data with Sim56-9 (Import of Address Book)
45	Main unit control	Correction of the trouble that the voice alert when the user forgets to take the original does not speak in the vendor mode.
46	Main unit control	Correction of the following trouble: Depending on the timing of entering into Energy Save mode after Remote Firmware Update, the internal management files are not updated correctly, and after that the communication with the cloud server for Remote Firmware Update may not be established after that.
47	Main unit control	The timeout period for processing to apply the differences has been changed from 20 minutes to 1 hour to improve the success rate of Remote Firmware Update.
48	Main unit control	(BP-50C55/65, BP-70C55/65, BP-FR12U only.) Correction of the trouble that "Prepare a new toner." message is occasionally displayed at the time of initial installation.
49	Main unit control	Correction of the trouble that the temporary recovery operation (drum idling) does not work, resulting in the occasional image quality trouble (95 mm pitch lines in the drum axial direction) even though the setting of Item No.3 that the measures were implemented in January 2024 is enabled. Related T/R: CCE3035
50	Main unit control	For the purpose to reduce the image quality troubles (lines and unevenness) on the halftone areas, the feature to drive the photoreceptor at regular interval and idle it after leaving it a certain period of time. [Procedure] (1) Update the firmware. (2) Change the setting of Sim26-50 H (POWER SHUT-OFF SET) to 1 (display of Auto Power Shut-Off). (3) In [System Settings] > [Energy Save] > [Eco Setting] Untick the following 2 items. * "Auto Power Shut-Off" * "As soon as the remote job is finished, enter Auto power shut off mode." (4) Change the values in Sim44-15 (set the OPC drum idle rotation) as below: • A(TIME):4 • C(AREA2):8 • D(CYCLE):255 • E(FLAG):8 • G(AREA3):30

No.	Item	Detail
51	Main unit control	(BP-70M45/55/65, BP-FR12U only) Modification of the control when printing the small size paper for the purpose to reduce the breakage of the fusing belt.
52	Image Send	Correction of the trouble that the screen freezes depending on the timing of performing the Preview Scan job when the setting of [Blank Page Skip] or [Book Divide] is enabled with ScanToUSB.
53	Image Send	Correction of the trouble that the machine freezes when the timing of the PC-Fax sending job and the entry into Energy Saving mode (nighttime mode entry process to FAXBOX) are the same, and FAX communication may be impossible.
54	Image Send	Correction of the trouble that the machine may freeze when scanning/ storing the data at the deletion time when the following setting is enabled: In [System Settings] > [Document Filing Setting], [Automatic Deletion of File Settings] is enabled.
55	Image Send	For the purpose of improvement of the print speed of FAX job, The countermeasure has been implemented to ease the conditions of control to wait for the paper feeding of the FAX job to reduce the paper feed wait, which occasionally operated on the second side or later.
56	OSA	Correction of the trouble that after the polling of the OSA has gone offline due to the network interruption, it cannot be in the online state even if it is reconnected.
57	Specification	Update of jQuery Plug-in used on the web server inside the MFP to v3.6.4



Technical Report

ROM UPGRADE..... (16)

Item of change: No.6 has been added.

Caution for firmware upgrade

- If upgrading from the version 0310Q100_23120400 or earlier you won't be able to restore original version.
- 0330Q100_24041000 is the common firmware for BP-50C26 etc. and BP-50M26 etc. and BP-FR12U.

1. Model Name:

BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36,
BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36,
BP-70M31/36/45/55/65)

2. Description:

Upgrade of ICU, PCU and PCU_BW-ROM

From May 2024 production.						
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU
BP-50C26, BP-50C31 BP-50C36	C06	0330Q100_24041000	0330Q100	0330Q100	-	0200Q100
BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65						
BP-50M26, BP-50M31 BP-50M36	B06			-	0330q100	
BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65						
BP-FR12U	-		0330Qc00	0330Q100	0330q100	
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 2.					

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(15)	C05 B05	0320Q100_ 24012200	0320Q100	0310Q100	0310q100	0200Q100	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	OSA	Support for change of Gmail connector. *Google has released an interface to connect with Gmail (mail service provided by Google). Since they announced to change some terms of use, "Gmail connector" cannot be used after mid-April of this year affected by the change.
2	Main unit control	Correction of occasional failure to execute remote firmware update. It occurred if LAN cable is not connected while checking for an update (which takes place in every 24 hours).
3	Main unit control	(Only for MFPs with 120V AC supply voltage) When more than 300 sheets are printed under following conditions, power cooling fan does not work, causing DC power supply failure (short circuit of diode). - Desk and finisher are installed. - Temperature 15 °C or higher. - Humidity 80% or lower. - First job after recovering from power off (or sleep) which lasted 40 minutes or longer.
4	Main unit control	Correction of occasional failure to detect A6R size paper as Extra size. The error occurred if you go to [System Settings] > [Common Settings] > [Paper Settings] > [Paper Tray Settings] and tap [Submit] without changing any setting for Bypass tray.
5	OSA	Correction of occasional failure to login after swiping an HID card when switched to Job Status screen while displaying OSA screen and then switched back to original screen. It occurred while using an OSA external authentication application which allows login using key emulation by HID card while IC card authentication is disabled.

No.	Item	Detail
6	Security Update	<p>The following security issues have been fixed.</p> <ol style="list-style-type: none"> 1.The MFP may be hung up due to its web server can cause out-of-bounds memory reference 2.The web server on the MFP has some web pages that can execute path traversal. 3.The web server on the MFP has some APIs whose access authority is inappropriate. 4.The web server on the MFP has a route to bypass the MFP authentication mechanism. 5.The web server on the MFP has some web pages that can execute HTTP header injection. 6.The web server on the MFP has some web pages that can execute cross-site scripting (XSS). <p>Related T/R No. CCE-3121</p>

Technical Report

ROM UPGRADE..... (15)

Caution for firmware upgrade

- If upgrading from the version 0310Q100_23120400 or earlier you won't be able to restore original version.
- 0320Q100_24012200 is the common firmware for BP-50C26/31/36, BP-70C31/36/45/55/65 and BP-50M26/31/36, BP-70M31/36/45/55/65 and BP-FR12U.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65,
BP-50M26/31/36, BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36,
BP-70M31/36/45/55/65)

2. Description:

Upgrade of ICU-ROM

Europe: From February 2024 production. Other: From March 2024 production.						
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	C05	0320Q100_24012200	0320Q100	0310Q100	-	0200Q100
BP-50M26, BP-50M31 BP-50M36, BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	B05			-	0310q100	
BP-FR12U	-		0320Qc00	0310Q100	0310q100	
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 2.					

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(14)	C04 B04	0310Q100_ 23120400	0310Q100	0310Q100	0310q100	0200Q100	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

Item of change

No.	Item	Detail
1	Specification	<p>(For Europe only) Addition of initial wizard. Related T/R No. CCE-3043</p> <p>Reference: In UK, PSTI Law (Product Security and Telecommunication Infrastructure Act) is scheduled to take effect on April 29,2024 and the operation with the default password will be prohibited. In EU, the European Radio Directive (RED) is scheduled to come into effect on August 1,2025 in the same fashion, and the use of default passwords will be prohibited.</p>
2	Specification	<p>Correction of the Security vulnerability. Related T/R No. CCE-2984</p>

Technical Report

ROM UPGRADE..... (14)

Caution for firmware upgrade

- If upgrading from the version 0250Q100_22092600 or earlier you won't be able to restore original version.
- 0310Q100_23120400 is the common firmware for BP-50C26/31/36, BP-70C31/36/45/55/65 and BP-50M26/31/36, BP-70M31/36/45/55/65 and BP-FR12U.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65,
BP-50M26/31/36, BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36,
BP-70M31/36/45/55/65)

2. Description:

Upgrade of ICU, PCU-ROM

Fig. 10-6-1-100, 1-100, 1-100

From January 2024 production.						
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU
BP-50C26, BP-50C31 BP-50C36	C04	0310Q100_ 23120400	0310Q100	0310Q100	-	0200Q100
BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65						
BP-50M26, BP-50M31 BP-50M36	B04			-	0310q100	
BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65						
BP-FR12U	-		0310Qc00	0310Q100	0310q100	
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 2.					

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(13)	C03 B03	0303Q100_ 23080300	0303Q100	0300Q100	0300q100	0200Q100	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)	B03	0250Q100_ 22092600	0250Q100	0230Q100	0130q100		Oct.2022	CCE-2786R ARE-1439R
(2)	A02							
(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

Item of change

No.	Item	Detail
1	Specification	Display time of Job List of Print Release has been improved.
2	Main unit control	(BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65 and BP-FR12U only.) Along with the change of LD driver of LSU PWB, the software modification has been made so that both old and new drivers can be supported.
3	Main unit control	<p>Temporary recovery operation (drum idling) has been added to the Advanced Settings and soft SW for the purpose to reduce the image quality trouble (95 mm pitch lines in the drum axial direction) after leaving the machine for a long time. * When changing the setting either of Advanced Settings or the Soft SW, the other one will also change in conjunction with it.</p> <p>[System Settings] > [System Control] > [Advanced Settings] ID:00049 Long-term inactivity monitoring setting ·When the machine detects a long period of inactivity, it will perform a temporary recovery operation as a precautionary measure. OFF (default) ON</p> <p>SIM55-1 SW5 Data6 0: OFF (default) 1: ON</p>

No.	Item	Detail
4	Main unit control	Correction of the trouble that the item of firmware update is displayed in Machine information on the system information screen if SIM26-29 (Remote firmware update setting) is set to [REMOTE] *[REMOTE] is the feature that will be available in future, so please select [DISABLE], [AUTO], or [USER].
5	Main unit control	Correction of the trouble that a success message may be displayed even though the reception data analysis error occurs because the data of remote firmware update cannot be received correctly due to the network trouble, etc.
6	Main unit control	Correction of the following trouble: If the power cutoff occurs while checking the update of remote firmware update, the subsequent check of firmware update may not be implemented, or the machine may lock up in Connecting state.
7	Main unit control	Correction of the trouble that the periodic communication with Synappx Manage may not be performed until the machine is rebooted after the completion of initial connection in [System Settings] > [System Control] > [Enhanced FSS Settings]
8	Main unit control	Correction of the trouble that the power occasionally cannot be turned off even by pressing the power key on the panel when the message "Please turn the power off then on." is displayed due to the trouble during printing.
9	Main unit control	Correction of the trouble that the machine may lock up if SIM49-7 (perform the pre-installed data update) is executed when the error or paper jam occurs.
10	Main unit control	The message when "Display Warning When Streak is Detected" is enabled in [System Settings] > [Image Quality Adjustment] > [Collective Adjustment] has been changed and the illustration has been added.
11	Main unit control	Correction of the following trouble: When "Display System Information Screen as Default" is enabled in [System Settings] > [Common Settings] > [Operation Settings] > [Condition Settings] and "Display Toner Quantity" is also enabled in [System Settings] > [Home Screen Settings] > [Condition Settings], the Auto Clear functions in [Recent Jobs] screen and when the screen changes to the Home screen, the machine may lock up.
12	Main unit control	(BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65 and BP-FR12U only.) Addition of the control to stop the machine with L4-11 (Offset Motor Trouble) if the abnormal rotation of shift motor is detected.
13	Main unit control	(BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65 and BP-FR12U only.) Modification of the control when printing the small size paper for the purpose to reduce the breakage of the fusing belt
14	Main unit control	(BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65 and BP-FR12U only.) Correction of the trouble that the values in the following items may become "0" with SIM22-6 (List print) <ul style="list-style-type: none"> •08-06 TC HEAVY3 BW SPX •08-06 TC HEAVY3 BW DPX •08-06 TC HEAVY4 BW *The value displayed on SIM8-6 (Check and adjust the operation of the transport voltage and the control circuit) screen is correct.
15	Main unit control	(BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65 and BP-FR12U only.) Correction of the trouble that the machine may lock up when opening the door during the recovery processing from Energy Save
16	Printer	When PS Expansion Kit is disabled, IPP print setting that does not use the driver is not displayed, but the internal set value was enabled. For this reason, the setting was changed to be disabled.

No.	Item	Detail
17	Printer	Correction of the following trouble: When printing the job with "Print and Delete the Data" being enabled during processing the job with "Print and Delete the Data" being disabled in Print Release environment, the job may not be printed, and the data may not be deleted.
18	Printer	Correction of the trouble that may be unable to print when selection [In-RIP Separations] in the print settings of Illustrator.
19	Printer	Correction of the trouble that the machine may lock up when performing Direct Print (USB Memory) of PDF file that the encoding is the custom and Type1 font is contained.
20	Printer	Correction of the trouble that the shading pattern may not be printed in the specified color when printing PDF file containing the shading pattern of CAD with PS.
21	Printer	Correction of the trouble that a part of the image may not be printed when printing PDF file created with InDesign of MacOS 12.6.3 using Mac PS printer driver.
22	Image Send	Correction of the following trouble: Even though there are the papers that the fax was output in Job Separator (upper tray) or Right output tray, the information lamp may be OFF when moving to the Energy Save.
23	Image Send	Correction of the following trouble: If all of OCR/ Detect Image Direction/ Original Skew Adjustment/ Job Build are set to [ON], the orientation of original may not be rotated, or the inclination of original may not be corrected.
24	Image Send	Correction of the lockup occasionally caused when Card Shot is enabled, and the Color Mode is Mono2, and also Format is Compact PDF or Reduce Colors.
25	Image Send	Correction of Transmission Error (NG80) that may be caused with Scan to FTP or Scan to Desktop if the Color Mode is set to Mono (or recognized as B&W by ACS) and also the number of the transmitted pages are 17.
26	Image Send	Correction of the following trouble: With each Image Send except Easy Mode, if both Card Shot and 2-Sided Original are enabled, the machine may lock up without displaying "This function cannot be selected." message.
27	Image Send	Correction of the trouble that the sender number of the received data that has been printed or deleted right before may be displayed even though there is no sender number on the FAX received data list screen.
28	Network	Correction of the following trouble: In Active Directly environment that is configured with more than one domain controllers, if one of those is down, AD authentication fails.
29	Network	Correction of an error that LDAP authentication using Kerberos fails when applying KB5028168 of Microsoft Update Program.
30	Network	Correction of the following trouble: When connecting to the 2-line LAN adaptor, the communication on the standard LAN becomes unstable, which may be unable to print.
31	Network	Correction of the lockup that may be caused if [WSD Print] is enabled in [System Settings] > [Network Settings] > [Print Port Settings] and also an unexpected WSD data is received from the external device.
32	OSA	Correction of the trouble that "Please wait" message is displayed and it does not disappear at the time of IC card instant authentication with OSA external authentication.
33	OSA	Correction of the connection error (Error code: 10220001) that may be caused due to the failure of User Authentication with OneDrive Connector/ SharePoint Connector.

Technical Report

If this file cannot be found on SRC try the FTP site
<https://Mft.sharpamericas.com>

ROM UPGRADE..... (13)

Caution for firmware upgrade

- If upgrading from the version 0250Q100_22092600 or earlier you won't be able to restore original version.
- 0303Q100_23080300 is the common firmware for BP-50C26/31/36, BP-70C31/36/45/55/65 and BP-50M26/31/36, BP-70M31/36/45/55/65 and BP-FR12U.

1. Model Name:

BP-50C26/31/36, BP-55C26, BP-70C31/36/45/55/65,
 BP-50M26/31/36, BP-70M31/36/45/55/65,
 BP-FR12U (Option for BP-50C26/31/36,
 BP-70C31/36/45/55/65, BP-50M26/31/36,
 BP-70M31/36/45/55/65)

2. Description:

Upgrade of ICU-ROM

BP-50C26/31/36, BP-70C31/36/45/55/65: From August 2023 production.

BP-50M26/31/36, BP-70M31/36/45/55/65: From September 2023 production.

Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	C03	0303Q100_ 23080300	0303Q100	0300Q100	-	0200Q100	
BP-50M26, BP-50M31 BP-50M36, BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	B03			-	0300q100		
BP-FR12U	-			0303Qc00	0300Q100		0300q100
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 2.						

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(12)	C01 B01	0301Q100_ 23061400	0301Q100	0300Q100	0300q100	0200Q100	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)	B03	0250Q100_ 22092600	0250Q100	0230Q100	0130q100		Oct.2022	CCE-2786R ARE-1439R
(2)	A02	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	Main unit control	Change of the production program for the purpose of the productivity improvement for the machines for Europe.
2	Main unit control	Correction of the following trouble: Due to the intentionally tampered HTTP access, a buffer overflow may occur. which may allow an arbitrary code execution.
3	Main unit control	Correction of the following trouble: Upon the reception of HTTP request intentionally tampered, MFP will reboot on its own.
4	Main unit control	Correction of the following trouble: When tapping Job Program key imported with Storage Backup, "Some addresses are blocked by the system administrator" message may be displayed.
5	Main unit control	(BP-50C26/31/36, BP-70C31/36/45/55/65, BP-FR12U only.) Correction of the following trouble: Even when resetting User Count, 2-Color Total Count cannot be cleared.
6	Printer	Correction of the trouble that the print or data deletion is occasionally unavailable in Print Release environment.
7	Printer	When sending Booklet/ Saddle Stich job of 12x18 sized paper using PS driver, the job may not be printed out while "Waiting" is being displayed.
8	Image Send	Correction of the trouble that the machine may freeze in the environment where more than one FAX lines are used depending on the timing that the communication error occurs.

Technical Report

ROM UPGRADE..... (12)

Caution for firmware upgrade

- If upgrading from the version 0250Q100_22092600 or earlier you won't be able to restore original version.
- 0301Q100_23061400 is the common firmware for BP-50C26/31/36, BP-70C31/36/45/55/65 and BP-50M26/31/36, BP-70M31/36/45/55/65 and BP-FR12U.

Item of change has been fixed.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65,
BP-50M26/31/36, BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36
BP-70M31/36/45/55/65)

2. Description:

Upgrade of ICU ROM

From July 2023 production						
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU
BP-50C26, BP-50C31 BP-50C36,	C01	0301Q100_ 23061400	0301Q100	0300Q100	-	0200Q100
BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65						
BP-50M26, BP-50M31 BP-50M36,	B01			-	0300q100	
BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65						
BP-FR12U	-		0301Qc00	0300Q100	0300q100	
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 2.					

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.	
(11)	C00 B00	0300Q100_ 23051700	0300Q100	0300Q100	0300q100	0200Q100	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)	B03	0250Q100_ 22092600	0250Q100	0230Q100	0130q100		Oct.2022	CCE-2786R ARE-1439R	
(2)	A02								
(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>(0286Q100_23031500 or earlier versions)</p> <p>Correction of the following trouble: When a program is registered to one of No.1 to 48 in Program Registration for copy, the following set values may change by themselves.</p> <p>*When updating the firmware in the field, the set value above will not be corrected so please re-program from the setting screen.</p> <ul style="list-style-type: none"> - Set value: [System Settings] > [Authentication Settings] > [Card Reader Settings] > [Condition Settings] Example of behavior after changing the set value: IC card authentication fails. - Set value: [System Settings] > [Common Settings] > [Paper Settings] > [Paper Tray Settings] Example of behavior after changing the set value: "The selected tray cannot be used" message is displayed.

2	Specification	<p>(0300Q100_23051700 only)</p> <p>Correction of the following trouble: When a program is registered to one of No.1 to 48 in Program Registration for copy, the following set values may change by themselves.</p> <p>* When updating the firmware in the field, the set value above will not be corrected so please re-program from the setting screen.</p> <ul style="list-style-type: none"> - Set value: [System Settings] > [Copy Settings] > [Initial Status Settings] > [Copy Ratio] Example of behavior after changing the set value: Since the copy ratio becomes an abnormal value, JAM occurs when scanning the original with document feeder. Or the data is enlarged/ reduced when scanning the original from Document glass. - Set value: [System Settings] > [Copy Settings] > [Condition Settings] > [Setting a Maximum Number of Copies] Example of behavior after changing the set value: Job remains with "Waiting" being displayed in Job Status. - Set value: [System Settings] > [Common Settings] > [Operation Settings] > [Double Tap Interval Setting] Example of behavior after changing the set value: The set value changes from [0.5-sec] to [0.0-sec], Double Tap becomes unavailable. <p>* HOME Double Tap is also unavailable, it becomes impossible to enter SIM operation screen. Please set up [Double Tap Interval Setting] again from System Settings screen.</p>
3	Specification	<p>Correction of the following trouble: When a program is registered to one of No.1 to 48 in Program Registration for copy, the information of print menu may not be registered.</p>

Technical Report

ROM UPGRADE..... (11)

Caution for firmware upgrade

- If upgrading from the version 0250Q100_22092600 or earlier you won't be able to restore original version.
- 0300Q100_23051700 is the common firmware for BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65 and BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65 and BP-FR12U.

Please note that there was the following misdescription in CCE2940R3.

Incorrect: Item of change: No.61, 62, and 63 have been added.

Correct: Item of change: No.62, 63, and 64 have been added.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65,
BP-50M26/31/36, BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36,
BP-70M31/36/45/55/65)

2. Description:

Upgrade of ICU, PCU, SCU ROM

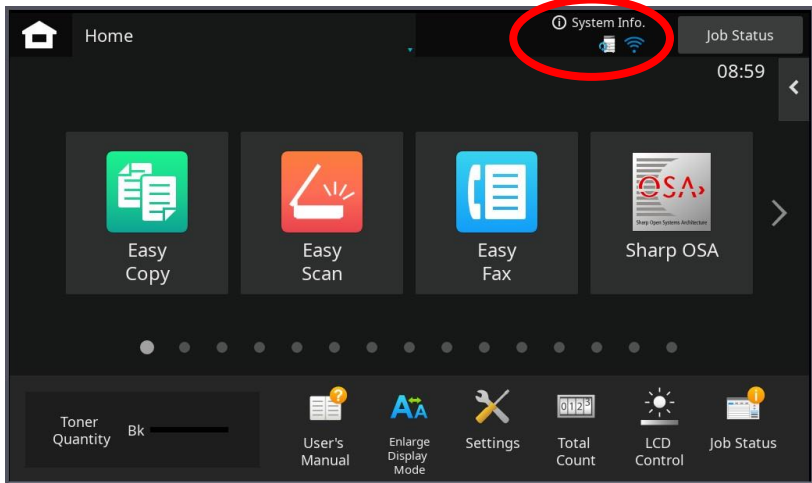
From June 2023 production						
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	C00	0300Q100_ 23051700	0300Q100	0300Q100	-	0200Q100
BP-50M26, BP-50M31 BP-50M36, BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	B00			-	0300q100	
BP-FR12U	-			0300Qc00	0300Q100	
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 2.					

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(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	Export of PC Agent feature of Synappx Manage to MFP. *It becomes possible to coordinate with Synappx Manage only with MFP without the intervention of PC.
2	Specification	Support for PSA (Print Support Application).
3	Specification	Support for OAuth Authentication of SMTP / POP3. (Supported for Microsoft (Microsoft365, Exchange Online))
4	Specification	The feature to set up the search pattern of Global Address Search has been added to Advanced Settings. [System Settings] > [System Control] > [Advanced Settings] ID: 00039 Search Patten Setting in Global Address Search Partial Match (default) Forward Match
5	Specification	The feature to display the firmware version information to MIB information has been added to Advanced Settings. [System Settings] > [System Control] > [Advanced Settings] ID: 00041 Setting for Firmware Version Information on MIB •Firmware Version ICU Version (default) Bundle Version
6	Specification	Sharp OSA Cookie Save Settings when User Authentication is disabled has been added to Advanced Settings. [System Settings] > [System Control] > [Advanced Settings] ID: 00042 Sharp OSA Cookie Save Settings when User Authentication is Disabled No Save (default) Following the System Settings

7	Specification	<p>The feature to display [Delete All] button to the message to check the retention job auto print feature] when User Authentication is enabled and also [Automatically print stored jobs after login] is enabled has been added to Advanced Settings.</p> <p>[System Settings] > [System Control] > [Advanced Settings]</p> <p>ID: 00043 Setting of Display Delete All Button For Automatic Retention Job Printing</p> <ul style="list-style-type: none"> • Display Delete All Button when printing retention job automatically at login <p>OFF (default)</p> <p>ON</p>
8	Specification	<p>Added the ability to display the firmware version in the machine information on the system information screen in the advanced settings.</p> <p>[System Settings] > [System Control] > [Advanced Settings]</p> <p>ID: 00044 Firmware Version Display Setting</p> <ul style="list-style-type: none"> • Firmware Version display <p>OFF</p> <p>BUNDLE Version (default)</p> <p>ICU Version</p>
9	Specification	<p>Advanced Settings (ID00045): Addition of cautionary message [Your setting will be valid after you power down and then restart the copier. Do not change the settings if the operation is normal.] to the schedule setting for touch panel calibration.</p>
10	Specification	<p>Display of touch panel firmware version in Advanced Settings ([System Settings] > [System Control] > [Advanced Settings]).</p> <p>ID: 00046: Touch panel version display</p> <p>(Related T/R No. CCE-2941)</p>
11	Specification	<p>Implementation of touch panel firmware update in SIM49-1.</p> <p>(Related T/R No. CCE-2941)</p>
12	Specification	<p>Speeding up the calibration processing for touch panel.</p>
13	Specification	<p>The feature of [Set E-mail Address of Logged In User in the From/Sender Field of E-mail] has been added to System Settings when User Authentication is enabled.</p> <p>[System Settings] > [Authentication Settings] > [Default Settings]</p> <p>Set E-mail Address of Logged In User in the From/Sender Field of E-mail</p> <p>OFF (Default)</p> <p>ON</p>
14	Specification	<p>When ADMX policy files in Active Directory environment is applied, the operations of Storage Backup were prohibited. Modification has been made to enable Storage Backup and Export.</p>
15	Specification	<p>Modification has been made to always display the key names (system information) at the top of System information area and display the icons at the bottom.</p> 

16	Specification	(DSPF model only) 2-sided scan in Slow Scan Mode has been enabled.
17	Specification	Display time of Job List of Print Release has been improved.
18	Specification	Display of message to prompt preparation of toner collection container. - Display setting of the message to prompt preparation of toner collection container. SIM55-3 SW45 Data3 0: Display (Default) 1: Not display - Display setting of the popup message to prompt preparation of toner collection container. SIM55-3 SW45 Data4 0: Pop up the message (Default) 1: Not pop up the message
19	Specification	Black/white reverse of the values other than default in SIM22-6 (List print). - SIM46-16 (Monochrome copy density, gamma adjustment). - SIM46-21 (Copy color balance adjustment).
20	Main unit control	(BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65, BP-FR12U only.) Correction of typo in SIM24-4 (Clear Maintenance Count and Printer Count for Transfer Unit and Fusing Unit). Correct: TC ROLLER (Transfer roller) Incorrect: TC2 ROLLER (Secondary transfer roller)
21	Main unit control	Correction of receiving print release list with case-independent username even though username is case-dependent in LDAP/AD authentication.
22	Main unit control	Correction of occasional lockup It occurs after executing SIM64-4 (Printer test print (Self print)) when clock setting for the system is changed while processing print job.
23	Main unit control	Correction of length of a bar which indicates toner quantity at near end shown in [Status] > [Machine Identification] > [Supply Status].
24	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.) Correction of failure to properly export RRM (Resist motor correction value) and FUN (fusing motor correction value) in Device Cloning.
25	Main unit control	Correction of MFP lockup which occurs during IC card login while entering password for Admin login.
26	Main unit control	Correction of failure with logout key which does not work after switching from [Paper tray setting] to Home editing mode.
27	Main unit control	Correction of incorrect message which appears during document filling print. When printing started selecting bypass tray without paper, the message "No output tray is allowed." appears instead of "Add paper onto bypass-tray."
28	Main unit control	Correction of occasional failure to operate MFP panel which occurs when user authentication is changed on web page while displaying System Settings on MFP panel.
29	Main unit control	Implementation of retry processing to start up audio playback process to avoid failure to start Voice Assist.
30	Main unit control	Changing from normal startup to silent startup when recovering from power save mode.
31	Main unit control	Correction of failure to switch to 1W power save mode when SIM26-29 (Remove firmware update setting) is set to [AUTO] and LAN cable is not connected.

32	Main unit control	Correction of lockup which occurs when screen is updated at IC card login and a message is displayed at the same time.
33	Main unit control	Correction of screen which blacks out and never start up if MFP is turned off during reboot after firmware update.
34	Main unit control	Correction of MFP lockup the problem occurs with the procedure below: 1. Log out System Info. screen while user authentication is enabled. 2. Try to log in again. 3. The MFP locks up displaying the message "Please wait."
35	Main unit control	Correction of displaying the message "Change the toner supply." plus the color of the toner near end when "toner end" and "toner near end" are detected at the same time. The message should indicate the color of the toner end, not near end.
36	Main unit control	Correction of failure to retry remote firmware update It occurs if the MFP is in SIM mode when the update started. The retry process is not executed even after the MFP exited SIM mode.
37	Main unit control	Change of control to prevent streaks while feeding original from SPF.
38	Main unit control	Change of default value of a Soft SW below from 0 to 1. Purpose: To prevent H4-02 error (Low fusing temperature (TH_US)) in case of distortion in input AC power supply. *Set value is changed for field during firmware update. SIM 55-1 SW18 Data 2(FWS signal mask process) 0: OFF 1: ON (New default)
39	Main unit control	Change of control to prevent damage on fusing belt while feeding envelope. *Set value is changed to 0 (default) for field during firmware update. Sim 43-1 (Fusing temperature setting for each operation mode) ENV PAPER GR (Used to change the fusing temperature setting of envelope series)
40	Printer	Correction of failure to print custom size same as B6 via MacOS.
41	Printer	Correction of failure to print Print-Hold job with designated tray, 2-sided which is sent during 1W sleep mode (deep sleep). The job is printed with two sheets, 1-sided.
42	Printer	Correction of occasional lock up which occurs depend on the timing to change priority of print job.
43	Printer	Correction of deleting files the problem occurs with the procedure below: 1. Go to Document Filing and print multiple files, turning on Delete (after printing) in [Print] on Action panel. 2. Print multiple files, selecting [Print Now], turning off Delete (after printing). 3. The files are deleted.
44	Copy	Correction of failure to display reduced size preview in Preview screen for Copy mode.
45	Image Send	Correction of display of the message "Sending completed. (Pg. No. O) Number: OOOO" which appears unnecessarily when Fax Direct Transaction is canceled and another transaction is executed right after.
46	Image Send	Correction of failure to properly create PDF file while performing Broadcasting with auto setting enabled in Easy Scan.
47	Image Send	Correction of NG80 error which occurs during character recognition for OCR to perform Broadcasting.
48	Image Send	Correction of NG90 error which occurs when business card size original is scanned in Easy Scan mode, enabling auto setting.

49	Image Send	Correction of failure with scan data transmission using external collaboration application Although compression ratio was set to anything other than MMR(G4), the data transmission took place with MMR(G4) setting.
50	Image Send	Implementation of changing number of retry process to login during Scan To SMB to avoid login error: SIM66-1 SW97 Data4,5 45 00: 1 time (Default) 01: 3 times 10: 5 times 11: 0 times
51	Image Send	Correction of lock up which occurs in Easy Scan mode after changing Scan Size for Original and tapping [Scan Again].
52	Image Send	Correction of failure to reflect when [Image] in [Business Card Scan] is selected for Program Registration.
53	Network	Correction of occasional failure to perform printing due to disconnection of wi-fi communication in infrastructure mode.
54	Network	Change of IP address duplication detection processing. This way MFP can be connected to network even if there is any device which replies an ARP with same IP address as that of the MFP in the network environment.
55	OSA	Correction of failure to login after swiping a card in OSA external authentication application which enables login using key emulation with HID card while IC card authentication is turned off.
56	OSA	Correction of delay by approx.15 sec until login after swiping an IC card using OSA external authentication application.
57	OSA	Correction of displaying only up to 10 registered applications in Application Portal application. It does not display if more than 10 applications are registered in Application Portal server.
58	OSA	Correction of subject and body text of the e-mail which notifies failure to connect OSA external application server, that shows only [NO_ID].
59	OSA	Correction of lockup which occurs when OSA scan is performed with any combination other than [Paper size: Long size] and [Color mode: Mono2].
60	OSA	Correction of failure to read the data completely in keyboard emulation mode for card reader in OSA application.
61	Specification	<p>Change of the screen displayed at the time of reboot from the simulation (Addition of Chinese and correction of the translation/ addition of the icon).</p>  <p>The screenshot shows a dark gray background with white text. The text is arranged in a list-like format, showing the simulation finishing in various languages: Japanese (シミュレーションを終了しています...), English (Simulation finishing...), German (Simulation wird fertiggestellt...), French (Fin de la simulation...), Spanish (Simulando acabado...), and Chinese (仿真结束...). To the right of the text is a yellow button with the word 'TEST' in black, and a black arrow pointing to the right.</p>

62	Main unit control	Correction of the trouble that it is possible to access to URL for debug that is undisclosed.
63	Main unit control	Correction of the trouble that it is possible to refer the Cookie information of the logged-in user from URL for debug that is undisclosed.
64	Main unit control	(Only for 0280Q100_23021500 / 0285Q100_23030600 / 0286Q100_23031500) [System Settings] > [System Control] > [Advanced Settings] > [ID:00019 Automatic Reboot Setting] If the automatic reboot based on the number of continuous operating days is performed, ICU_REQ JAM (ICU STOP JAM) may be logged in the JAM history. This trouble has been corrected.

Technical Report

ROM UPGRADE..... (9)

Caution for firmware upgrade

- If upgrading from the version 0250Q100_22092600 or earlier you won't be able to restore original version.
- 0285Q100_23030600 is the common firmware for BP-50C26/31/36, BP-70C31/36/45/55/65 and BP-50M26/31/36, BP-70M31/36/45/55/65 and BP-FR12U.

No.29 has been added to [Item of change] and ROM version has been changed.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65,
BP-50M26/31/36, BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36, BP-70C31/36/45/55/65, BP-50M26/31/36,
BP-70M31/36/45/55/65)

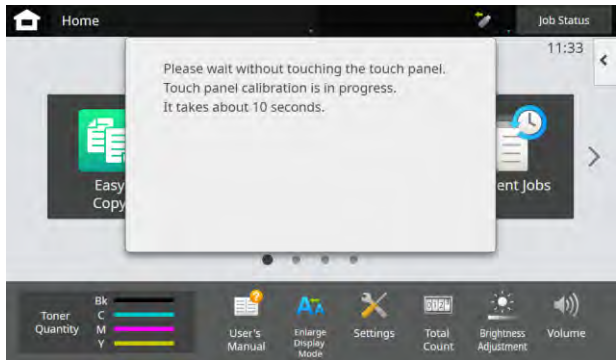
2. Description: Upgrade of ICU, PCU, BP-FN11, BP-FN12, MX-PN14A ROM and E-manual

From mid-March 2023 production									
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	BP-FN11 BP-FN12	MX-PN14A	E-manual
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	B07	0285Q100_23030600	0280Q100	0285Q100	-	0100Q100	0101Q100	0102Z100	0110Q1A0
BP-50M26, BP-50M31 BP-50M36, BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	A06			-	0280q100				
BP-FR12U	-		0280Qc00	0285Q100	0280q100				
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 2.								

ROM Version History Table

ROM Version History Table								
No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(9)	A05	0280Q100_23021500	0280Q100	-	0280q100	0100Q100	Mar.2023	CCE-2893
(8)	B05 A04	0270Q100_23011300	0270Q100	0231Q100	0200q100		Feb.2023	CCE-2868
	B04 A03	0260Q100_00000000	0260Q100				Jan.2023	
(7)	B03	0250Q100_22092600	0250Q100	0230Q100	0130q100		Oct.2022	CCE-2786R ARE-1439R
(2)	A02							
(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>Auto execution of touch panel calibration has been implemented to prevent false operation.</p> <p>*The touch panel is locked and auto calibration (sensitivity adjustment) is executed to prevent false operation when abnormal touch information is detected and the noise comes from AC power or fax line or LAN cable is significant.</p> <p>*The message "Please wait without touching the touch panel. Touch panel calibration is in progress. It takes about 10 seconds." appears during auto calibration.</p>  <p>The screenshot shows a touch panel interface with a central message box that reads: "Please wait without touching the touch panel. Touch panel calibration is in progress. It takes about 10 seconds." The interface includes a top bar with "Home" and "Job Status" buttons, a bottom bar with various icons (Toner, User's Manual, Enlarge Display Mode, Settings, Total Count, Brightness Adjustment, Volume), and a background with "Easy Copy" and "Recent Jobs" icons.</p>

2	Specification	<p>Touch Panel Calibration Schedule Setting is added to Advanced Settings, aimed for the touch panel to properly respond even under low temperature environment (such as early in the morning).</p> <p>*Touch panel is calibrated (for sensitivity adjustment) at certain intervals, starting at zero o'clock. It won't be executed during user operation (while back light is turned on).</p> <p>*The message "Please wait without touching the touch panel. Touch panel calibration is in progress. It takes about 10 seconds." appears while main power is on to execute the calibration of touch panel.</p> <p>[System Settings] > [System Control] > [Advanced Settings] ID: 00045 Touch Panel Calibration Schedule Setting</p> <ul style="list-style-type: none"> •Enable Periodic Calibration of Touch Panel ON OFF (default) •Calibration Interval 1Hour 2Hour (default) 3Hour 4Hour 6Hour 8Hour 12Hour <p>*Turn the main power off and on to enable the setting.</p>
3	Main unit control	Correction of the trouble that the machine may reboot when the job status screen is displayed at the time of print completion.
4	Main unit control	Correction of the following trouble: When repeatedly [Print Now] button in a row on Document Filling screen, two of the same print job will be registered in some rare cases.
5	Main unit control	Correction of the trouble that the job may not be punched when Z-Fold and Punch are selected.
6	Main unit control	Correction of the trouble that the machine may freeze at the time of authentication with IC card.
7	Main unit control	Correction of the following trouble: When Sim26-29 (Remote firmware update setting) is enabled and also LAN cable is not connected, the machine is repeatedly warming up from Energy Save mode every 5 minutes.
8	Main unit control	Correction of the following trouble: After holding the print with C-Fold, when selecting the job held and changing the number of copies, and then printing, "This paper cannot be output to the selected tray." may be displayed.
9	Main unit control	Correction of the following trouble: If the power of the machine is turned off right after downloading the firmware with Remote Firmware Update, the error that the update failed (07-03) may occur.
10	Main unit control	Correction of the trouble that Toner Quantity value on MIB information may not be correct.
11	Main unit control	Auto registration adjustment control is changed to repress registration shift.
12	Printer	Improvement to reduce the time to display the job list after pressing [Print Release] button on Home screen.
13	Printer	Correction of the trouble that printing may not work with IPP Print from Papercut Hive.
14	Printer	Correction of the following trouble: When using Print Release, [Max. number of jobs have been already reserved. Please wait.] message is displayed, and printing may not work.

15	Printer	Correction of the following trouble: When printing the large volume in Print Release environment, the print may stop in the middle of jobs only when outputting from the sub machine.
16	Printer	Correction of the trouble that there may be a delay when printing from PC directly connected to the machine with USB2.0 cable. The set value below needs to be changed to [1: Disable]. SIM55-3 SW39 Data4 (USB3.0+ LPM of USB device) 0: Enable (Default) 1: Disable
17	Printer	Correction of the trouble that the output of the 1st page may be slow when printing after leaving the machine for a long period of time (more than 1 week).
18	Copy	Correction of the following trouble: When scanning the large sized original such as A3 or Ledger in Copy mode, and then enlarging the previewed image, the image will be shrunk in the scanning direction.
19	Image Send	Correction of the following trouble: When editing the address that is set up as the destination of broadcast from Address Book, if you turn the pages by pressing the up/ down buttons on the scroll bar, the one destination will be skipped.
20	Image Send	Correction of the following trouble: On 1-page display preview screen of Received Data List/ Memory Box/ Forward Error Box, if switching from 1-page display to the multiple page display by repeatedly pressing the [-] (Reduce) button in a row, the key-touch sound continues, and the screen may freeze.
21	Image Send	Correction of the following trouble: When displaying Address Book on Easy Fax screen, it takes a longer time to display it, comparing when displaying Address Book on Home screen.
22	Image Send	Correction of the trouble that [I-Fax] may not be displayed in the selection item list of [System Settings] > [Image Send Settings] > [Common Settings] > [Hold settings for a while after scanning has been completed].
23	Image Send	Correction of the following trouble: If the start process of FAX send and the cancel process by the user's operation are caused at the same timing, the next FAX send may remain while it is in [Connecting] or [Sending] state.
24	BP-FN11 BP-FN12	Correction of the trouble that F1-18 (Finisher paper bundle hold operation trouble (Inner)) or FNPS8 JAM (Bundle motor JAM) may occur on BP-FN11/ BP-FN12.
25	BP-FN11 BP-FN12	Correction of the trouble that FIN_ERR JAM (Finisher communication error detection) may occur on BP-FN11/ BP-FN12.
26	BP-FN11	Correction of F1-00 error (Finisher communication error) may occur on BP-FN11 when printing to the envelop.
27	MX-PN14B MX-PN14C MX-PN14D	Correction of FNPS1_S JAM (FNPS1 remaining JAM) that may be caused on MX-PN14B, MX-PN14C, and MX-PN14D due to the condensation.
28	E-manual	Addition of E-manual for China (QR code). *Since China and other overseas destinations share firmware, firmware version will be upgraded for overseas as well.
29	Main unit control	(Only for 0280Q100_23021500 and BP-50C36/45/55/65, BP-60C36/45, BP-70C36/45/55/65, BP-FR12U) Correction of the trouble to be output with black solid when printing to Heavy Paper or Label, etc. in some rare cases.

Technical Report

ROM UPGRADE..... (9)

Caution for firmware upgrade

- If upgrading from the version 0250Q100_22092600 or earlier you won't be able to restore original version.
- 0280Q100_23021500 is the common firmware for BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65 and BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65 and BP-FR12U.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65,
BP-50M26/31/36, BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36,
BP-70M31/36/45/55/65)

2. Description:

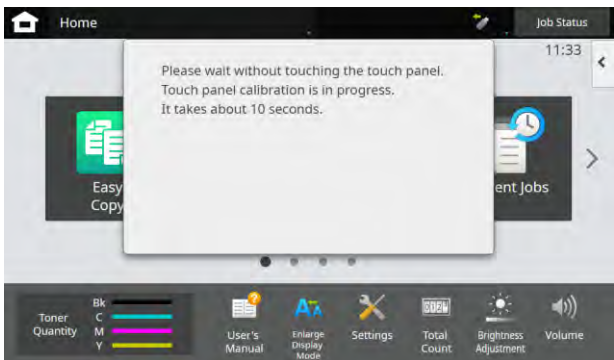
Upgrade of ICU, PCU, BP-FN11, BP-FN12, MX-PN14A ROM and E-manual

From March 2023 production									
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	BP-FN11 BP-FN12	MX-PN14A	E-manual
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	B06	0280Q100_23021500	0280Q100	0280Q100	-	0100Q100	0101Q100	0102Z100	0110Q1A0
BP-50M26, BP-50M31 BP-50M36 BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	A05			-	0280q100				
BP-FR12U	-		0280Qc00	0280Q100	0280q100				
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 2.								

ROM Version History Table

ROM Version History Table								
No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(8)	B05 A04	0270Q100_ 23011300_	0270Q100	0231Q100	0200q100	0100Q100	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>Auto execution of touch panel calibration has been implemented to prevent false operation.</p> <p>*The touch panel is locked and auto calibration (sensitivity adjustment) is executed to prevent false operation when abnormal touch information is detected and the noise comes from AC power or fax line or LAN cable is significant.</p> <p>*The message "Please wait without touching the touch panel. Touch panel calibration is in progress. It takes about 10 seconds." appears during auto calibration.</p> 

2	Specification	<p>Touch Panel Calibration Schedule Setting is added to Advanced Settings, aimed for the touch panel to properly respond even under low temperature environment (such as early in the morning).</p> <p>*Touch panel is calibrated (for sensitivity adjustment) at certain intervals, starting at zero o'clock. It won't be executed during user operation (while back light is turned on).</p> <p>*The message "Please wait without touching the touch panel. Touch panel calibration is in progress. It takes about 10 seconds." appears while main power is on to execute the calibration of touch panel.</p> <p>[System Settings] > [System Control] > [Advanced Settings] ID: 00045 Touch Panel Calibration Schedule Setting</p> <ul style="list-style-type: none"> •Enable Periodic Calibration of Touch Panel ON OFF (default) •Calibration Interval 1Hour 2Hour (default) 3Hour 4Hour 6Hour 8Hour 12Hour <p>*Turn the main power off and on to enable the setting.</p>
3	Main unit control	Correction of the trouble that the machine may reboot when the job status screen is displayed at the time of print completion.
4	Main unit control	Correction of the following trouble: When repeatedly [Print Now] button in a row on Document Filling screen, two of the same print job will be registered in some rare cases.
5	Main unit control	Correction of the trouble that the job may not be punched when Z-Fold and Punch are selected.
6	Main unit control	Correction of the trouble that the machine may freeze at the time of authentication with IC card.
7	Main unit control	Correction of the following trouble: When Sim26-29 (Remote firmware update setting) is enabled and also LAN cable is not connected, the machine is repeatedly warming up from Energy Save mode every 5 minutes.
8	Main unit control	Correction of the following trouble: After holding the print with C-Fold, when selecting the job held and changing the number of copies, and then printing, "This paper cannot be output to the selected tray." may be displayed.
9	Main unit control	Correction of the following trouble: If the power of the machine is turned off right after downloading the firmware with Remote Firmware Update, the error that the update failed (07-03) may occur.
10	Main unit control	Correction of the trouble that Toner Quantity value on MIB information may not be correct.
11	Main unit control	Auto registration adjustment control is changed to repress registration shift.
12	Printer	Improvement to reduce the time to display the job list after pressing [Print Release] button on Home screen.
13	Printer	Correction of the trouble that printing may not work with IPP Print from Papercut Hive.
14	Printer	Correction of the following trouble: When using Print Release, [Max. number of jobs have been already reserved. Please wait.] message is displayed, and printing may not work.

15	Printer	Correction of the following trouble: When printing the large volume in Print Release environment, the print may stop in the middle of jobs only when outputting from the sub machine.
16	Printer	Correction of the trouble that there may be a delay when printing from PC directly connected to the machine with USB2.0 cable. The set value below needs to be changed to [1: Disable]. SIM55-3 SW39 Data4 (USB3.0+ LPM of USB device) 0: Enable (Default) 1: Disable
17	Printer	Correction of the trouble that the output of the 1st page may be slow when printing after leaving the machine for a long period of time (more than 1 week).
18	Copy	Correction of the following trouble: When scanning the large sized original such as A3 or Ledger in Copy mode, and then enlarging the previewed image, the image will be shrunk in the scanning direction.
19	Image Send	Correction of the following trouble: When editing the address that is set up as the destination of broadcast from Address Book, if you turn the pages by pressing the up/ down buttons on the scroll bar, the one destination will be skipped.
20	Image Send	Correction of the following trouble: On 1-page display preview screen of Received Data List/ Memory Box/ Forward Error Box, if switching from 1-page display to the multiple page display by repeatedly pressing the [-] (Reduce) button in a row, the key-touch sound continues, and the screen may freeze.
21	Image Send	Correction of the following trouble: When displaying Address Book on Easy Fax screen, it takes a longer time to display it, comparing when displaying Address Book on Home screen.
22	Image Send	Correction of the trouble that [I-Fax] may not be displayed in the selection item list of [System Settings] > [Image Send Settings] > [Common Settings] > [Hold settings for a while after scanning has been completed].
23	Image Send	Correction of the following trouble: If the start process of FAX send and the cancel process by the user's operation are caused at the same timing, the next FAX send may remain while it is in [Connecting] or [Sending] state.
24	BP-FN11 BP-FN12	Correction of the trouble that F1-18 (Finisher paper bundle hold operation trouble (Inner)) or FNPS8 JAM (Bundle motor JAM) may occur on BP-FN11/ BP-FN12.
25	BP-FN11 BP-FN12	Correction of the trouble that FIN_ERR JAM (Finisher communication error detection) may occur on BP-FN11/ BP-FN12.
26	BP-FN11	Correction of F1-00 error (Finisher communication error) may occur on BP-FN11 when printing to the envelop.
27	MX-PN14B MX-PN14C MX-PN14D	Correction of FNPS1_S JAM (FNPS1 remaining JAM) that may be caused on MX-PN14B, MX-PN14C, and MX-PN14D due to the condensation.
28	E-manual	Addition of E-manual for China (QR code). *Since China and other overseas destinations share firmware, firmware version will be upgraded for overseas as well.

Technical Report

ROM UPGRADE..... (8)

Caution for firmware upgrade

• If upgrading from the version 0250Q100_22092600 or earlier you won't be able to restore original version.

• 0270Q100_23011300 is the common firmware for BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65 and BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65 and BP-FR12U.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65,
BP-50M26/31/36, BP-70M31/36/45/55/65,
BP-FR12U (Option for BP-50C26/31/36,
BP-70C31/36/45/55/65, BP-50M26/31/36,
BP-70M31/36/45/55/65)

2. Description:

Upgrade of ICU, SPF-ROM

From February 2023 production							
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	SPF
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	B05	0270Q100_23011300	0270Q100	0231Q100	-	0100Q100	0200Q100
BP-50M26, BP-50M31 BP-50M36, BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	A04			-	0200q100		
BP-FR12U	-		0270Qc00	0231Q100	0200q100		
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 2.						

Upgrade of ICU, PCU, PCU_BW-ROM

From January 2023 production							
Model	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	SPF
BP-50C26, BP-50C31 BP-50C36, BP-70C31, BP-70C36 BP-70C45, BP-70C55 BP-70C65	B04	0260Q100_ 00000000	0260Q100	0231Q100	-	0100Q100	0101Q100
BP-50M26, BP-50M31 BP-50M36, BP-70M31, BP-70M36 BP-70M45, BP-70M55 BP-70M65	A03			-	0200q100		
BP-FR12U	-		0260Qc00	0231Q100	0200q100		
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 2.						

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	PCU_BW	SCU	Action	T/R No.
(7) (2)	B03 A02	0250Q100_ 22092600	0250Q100	0230Q100	0130q100	0100Q100	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	0120Q10a	0120Q10a			May.2022	CCE-2682
(2)	A03	0120Q10a_ 22031700					Apr. 2022	CCE-2658R
(1)	A01	0101Q100_ 22021000	0100Q100	0100Q10c	Feb. 2022		CCE-2633	

Item of change

No.	Item	Detail
1	Main unit control	Correction of the following trouble: When the downloading of Remote firmware update fails 6 times due to the network trouble, etc., the downloading of Remote firmware update may not be performed even after the network trouble is resolved.
2	Main unit control	Modification not to reflect the calibration result when the unusual calibration value is detected like when touching the operation panel at the time of executing the calibration of touch panel.
3	Printer	Change of the processing method of gray image in auto colour mode when printing.

9	Main unit control	Correction of the following trouble: When tapping [Back] button on the admin password input screen from [Job Status] > [Action Panel] > [Print Image Sending Activity Report], the machine may lock up.
10	Main unit control	Correction of the trouble that "Restore" button may not be displayed after deleting the page on Preview Edit of Document Filling.
11	Main unit control	Correction of the following trouble: When E7-C3 (Firmware error) displaying [This system can boot up in CN mode, Please turn the dip-switch ON] occurs, CN update cannot be performed.
12	Main unit control	Correction of the following trouble: When moving to the simulation while the confirmation dialogue of Remote Firmware Update is displayed, and then getting back from the simulation, the firmware update may not automatically start even after the lapse of time.
13	Main unit control	Modification for improvement to reduce the crease/ mottle/ void caused when the job is frequently interrupted.
14	Main unit control	Correction of the following trouble: There are some cases where the process control is frequently performed in the environment where the humidity largely changes in the short period, and this may result in the slow print output.
15	Main unit control	Modification for the purpose to reduce E7-28 (LSU ASIC and PCU access error).
16	Main unit control	Change of the judgement control of the lubricant supply and the drum rotation for the purpose to reduce the flipping of the process cleaning blade.
17	Main unit control	Correction of the defect in the error judgement processing when the invalid command is entered on System Settings screen.
18	Main unit control	Correction of the trouble that the touch panel may not respond under the following condition: *When the external keyboard is enabled, and the focus is on the text box in OSA application. *When tapping the end section of [OK] button of ten-key in [User Authentication] > "Quick Search". *When moving to Job Status screen and tapping [Cancel/Delete] button while the pop-up message at the time of Direct Print is displayed.
19	Copy	Correction of the following trouble: When selecting the exposure mode that the setting of SIM46-38 (Adjust the black component amount in the color copy mode) is changed from the default, and performing Two Colour Copy / Single Colour Copy, PRI_JAM (Image preparation wait time-out) may occur.
20	Image Send	Correction of the error occasionally caused when scanning a large volume of Business Card if Skew Adjustment of the original is enabled.
21	Image Send	Correction of the following trouble: When tapping the [PC Scan] icon set up in the fixed area of Home screen while the screens such as Easy Scan and e-Mail send is displayed, the remote PC scan may not be terminated.
22	OSA	Correction of the following trouble: In [System Settings] > [Sharp OSA Settings] > [Polling Settings], if the settings are registered more than twice while both Server1 and Server2 are disabled without restarting MFP, MFP hangs up while displaying "Connecting".
23	OSA	Correction of the following trouble: When the application communication kit (BP-AM10 / BP-AM10L) is disabled, if the next operation is performed after scanning the original from OC with Gmail Connector/ Exchange Connector, the animation showing the processing status may be still displayed.
24	Main unit control	(Only for BP-70C55/65, BP-FR12U) For the purpose to suppress the occurrence of L8-03 (Power supply voltage input error) when there is distortion in the input AC power supply, the control has been changed.

Technical Report

ROM UPGRADE..... (7)

Caution for firmware upgrade

- If upgrading from the version 0202Q100_22070600 or earlier you won't be able to restore original version.
- 0250Q100_22092600 is the common firmware for BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65 and BP-50M26/31/36/45/55/65, BP-70M31/36/45/55/65 and BP-FR12U.

"Item of change" No.24 have been appended.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65
BP-FR12U (Option for BP-50C26/31/36, BP-70C31/36/45/55/65)

2. Description:

Upgrade of ICU, PCU-ROM

Fig. 10-10-100, 10-10-101

From October 2022 production					
Model	ROM Control No.	BUNDLE	ICU	PCU	SCU
BP-50C26 BP-50C31 BP-50C36	B03	0250Q100_ 22092600	0250Q100	0230Q100	0100Q100
BP-70C31 BP-70C36 BP-70C45 BP-70C55 BP-70C65					
BP-FR12U			0250Qc00		
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 2.				

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	SCU	Action	T/R No.
(6)	B02	0202Q100_22070600	0202Q100	0202Q100	0100Q100	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	Due to the discontinuation of Outlook REST API used on Exchange connector (when operating online) on November 30, 2022, it is replaced with Graph API.
2	Specification	Besides TP-Link UE300, TP-Link UE306 has been added as the support model of 2-line LAN adaptor.
3	Specification	Along with the ability of separation being improved, the setting of envelop pressure adjustment has been changed: *Removed SIM43-1 ENV Paper Press Pattern (Envelop paper pressure adjustment). *In Service Web Page > Paper Settings > Fuser Pressure Setting, changed the value from [0,-1,-2,-3,-4,-5] to [0,-5].
4	Specification	Addition of the following Soft SW to deactivate USB3.0 to activate with USB2.0. SIM55-3 SW39 Data4(USB3.0) 0: Enable (Default) 1: Disable
5	Main unit control	Correction of the following trouble: When User Authentication (including Quick Login) is enabled, the contents may not be displayed in the language that has been selected even though the language is set for each user.
6	Main unit control	Correction of the following trouble: On the admin password input screen before executing the remote firmware update, if you enter the wrong password, and re-enter the password shorter than that after the authentication fails, MFP may hang up.
7	Main unit control	For the purpose of production process efficiency and maintenance of PLACED DAY, the modification has been made so that SIM6-90 (Load move for shipment) can be selected for each ICU/ PCU/ SCU. ICU: Initialization of internal data of ICU controller (Resetting of the installation date, etc.) Default: OFF PCU: Make the engine system ready for shipping (Separation of Fusing unit and Transfer unit) Default: ON SCU: Make the scanner system ready for shipping (Shifting of the lock position of carriage) Default: ON When you use this SIM mode for transportation etc., make sure to execute it with default condition (only PCU and SCU are selected).
8	Main unit control	Addition of the following wording to [System Settings] > [System Control] > [Advanced Settings] > [Touch Panel Sensitivity Setting]. •Caution: Do not change the settings if the operation is normal.

9	Main unit control	Correction of the following trouble: When tapping [Back] button on the admin password input screen from [Job Status] > [Action Panel] > [Print Image Sending Activity Report], the machine may lock up.
10	Main unit control	Correction of the trouble that "Restore" button may not be displayed after deleting the page on Preview Edit of Document Filling.
11	Main unit control	Correction of the following trouble: When E7-C3 (Firmware error) displaying [This system can boot up in CN mode, Please turn the dip-switch ON] occurs, CN update cannot be performed.
12	Main unit control	Correction of the following trouble: When moving to the simulation while the confirmation dialogue of Remote Firmware Update is displayed, and then getting back from the simulation, the firmware update may not automatically start even after the lapse of time.
13	Main unit control	Modification for improvement to reduce the crease/ mottle/ void caused when the job is frequently interrupted.
14	Main unit control	Correction of the following trouble: There are some cases where the process control is frequently performed in the environment where the humidity largely changes in the short period, and this may result in the slow print output.
15	Main unit control	Modification for the purpose to reduce E7-28 (LSU ASIC and PCU access error).
16	Main unit control	Change of the judgement control of the lubricant supply and the drum rotation for the purpose to reduce the flipping of the process cleaning blade.
17	Main unit control	Correction of the defect in the error judgement processing when the invalid command is entered on System Settings screen.
18	Main unit control	Correction of the trouble that the touch panel may not respond under the following condition: *When the external keyboard is enabled, and the focus is on the text box in OSA application. *When tapping the end section of [OK] button of ten-key in [User Authentication] > "Quick Search". *When moving to Job Status screen and tapping [Cancel/Delete] button while the pop-up message at the time of Direct Print is displayed.
19	Copy	Correction of the following trouble: When selecting the exposure mode that the setting of SIM46-38 (Adjust the black component amount in the colour copy mode) is changed from the default, and performing Two Colour Copy / Single Colour Copy, PRI_JAM (Image preparation wait time-out) may occur.
20	Image Send	Correction of the error occasionally caused when scanning a large volume of Business Card if Skew Adjustment of the original is enabled.
21	Image Send	Correction of the following trouble: When tapping the [PC Scan] icon set up in the fixed area of Home screen while the screens such as Easy Scan and e-Mail send is displayed, the remote PC scan may not be terminated.
22	OSA	Correction of the following trouble: In [System Settings] > [Sharp OSA Settings] > [Polling Settings], if the settings are registered more than twice while both Server1 and Server2 are disabled without restarting MFP, MFP hangs up while displaying "Connecting".
23	OSA	Correction of the following trouble: When the application communication kit (BP-AM10 / BP-AM10L) is disabled, if the next operation is performed after scanning the original from OC with Gmail Connector/ Exchange Connector, the animation showing the processing status may be still displayed.
24	Main unit control	(Only for BP-P-70C55/65, BP-FR12U) For the purpose to suppress the occurrence of L8-03 (Power supply voltage input error) when there is distortion in the input AC power supply, the control has been changed.

Technical Report

ROM UPGRADE..... (6)

Caution for firmware upgrade

If upgrading from the version older than 0200Q100_22052400 you won't be able to restore original version.

1. Model Name:

BP-50C26/31/36, BP-70C31/36/45/55/65

2. Description:

Upgrade of ICU, PCU, FAX, BP-FD10, BP-FN11, BP-FN15 ROM

From mid-July 2022 production								
ROM Control No.	BUNDLE	ICU	PCU	SCU	FAX	BP-FD10	BP-FN11	BP-FN15
B02	0202Q100_22070600	0202Q100	0202Q100	0100Q100	0102Q100	0100Q10b	0100Q10a	0100Q10c
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 2.							

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	SCU	Action	T/R No.
(5)	B01	0201Q100_22060700	0200Q100	0201Q10a	0100Q100	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	Main unit control	Correction of the trouble that E7-90 (SCN MFP PWB, PCU PWB communication error) may occur when starting up or recovering from 1W Energy Save Mode.
2	Main unit control	For the purpose to reduce the fan operation noise during stand-by mode, the control of the fan has been changed.
3	Main unit control	(Only for BP-70C55/65) For the purpose to reduce the occurrence of hot offset in MONO mode, the temperature control has been changed.
4	Main unit control	The door check processing of Interface transport unit when executing SIM6-8 (operation check of the fusing belt) has been changed. *When the door of Interface transport unit opens, SIM6-8 (operation check of the fusing belt) is not executed.
5	Main unit control	Modification of the control at the time of adjustment for the purpose to reduce the process control sensor light-emitting amount adjustment error.
6	Main unit control	Correction of the following trouble: When the copy/print job is in progress, if the job is interrupted due to the toner replenishment or paper empty, etc., the fusing trouble may occur after the job is resumed.
7	Main unit control	Addition of "Touch panel sensitivity setting"/"Touch panel calibration" to Advanced Settings. *See CCE-2742 for details.
8	Main unit control	For the purpose to reduce the occurrence of H4-02 (Fusing low temperature error (TH_US)) if there is distortion in the input AC power supply, the following Soft SW has been added to be able to change the control to make the mask processing to the FWS signal. SIM55-1 SW18 Data2 (FWS signal mask processing) 0: OFF (Default) 1: ON
9	Printer	Correction of the following trouble: If the data of print release is left undeleted, the machine may lock up when the automatic deletion of data is executed.
10	Printer	Correction of the following trouble: When printing with USB Direct Print/ MONO/ 600dpi (High Quality), the data may be printed with the stripe pattern.
11	Printer	Correction of the following trouble: If auto bypass printing of the print job is caused when performing the multiple print jobs, the print job stops while "Waiting" is displayed and also the operation screen may freeze.
12	Image Send	Correction of the following trouble: Depending on the timing of the stop process during dialing (e.g., touching Stop key or detecting busy tone due to environmental factors), the subsequent fax transmission and reception may be disabled.
13	BP-FD10	Correction of F1-00 (Finisher communication error) occasionally caused after the not-reached JAM of the main unit paper exit sensor occurs.
14	BP-FN11	Correction of the following trouble: If the job with staple is performed after cancelling the job with no staple, the 1st copy may be with no staple.
15	BP-FN15	Correction of the following trouble: In Staple Mode (1 Staple/2 Staples), the paper may be curled when outputting to the stacker tray.

Technical Report

ROM UPGRADE..... (5)

Caution for firmware upgrade

If upgrading from the version older than 0200Q100_22052400 you won't be able to restore original version.

1. Model Name:

BP-50C26/31/36/45/55/65, BP-55C26, BP-60C31/36/45, BP-70C31/36/45/55/65

2. Description:

Upgrade of PCU-ROM

From mid-Jun 2022 production				
ROM Control No.	BUNDLE	ICU	PCU	SCU
B01	0201Q100_ 22060700	0200Q100	0201Q10a	0100Q100
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	- The control of Drum rotation and Lubricant supply has been changed for the purpose to reduce the flipping of cleaning blade. In addition, the default value of the following Soft SW has been changed from 0 to 1. *Set value will be changed at the time of firmware update in the market. SIM55-1 SW17 Data2 (Lubricant supply when printing the large volume) 0 : OFF 1 : ON (NEW default)			

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	SCU	Action	T/R No.
(4)	B00	0200Q100_22052400	0200Q100	0200Q10a	0100Q100	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

Technical Report

ROM UPGRADE..... (4)

Caution for firmware upgrade

If upgrading from the version older than 0200Q100_22052400 you won't be able to restore original version.

1. Model Name:

BP-50C26/31/36/45, BP-55C26, BP-60C31/36/45, BP-70C31/36/45

2. Description:

Upgrade of ICU, PCU, SPF, BP-DE13/14/15, BP-LC10 and BP-FD10 ROM

From mid-May 2022 production									
ROM Control No.	BUNDLE	ICU	PCU	SCU	SPF	BP-DE13 BP-DE14	BP-DE15	BP-LC10	BP-FD10
B00	0200Q100_22052400	0200Q100	0200Q10a	0100Q100	0101Q100	0101Q100	0101Q100	0101Q10a	0101Q10a
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 2.								

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	SCU	Action	T/R No.
(3)	A04	0121Q100_22042100	0121Q100	0120Q10a	0100Q100	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	Support of virus scan function. *Virus detection kit is required.
2	Specification	Automatically providing arbitrary character string for default address for Scan to SMB. *The character string preset in System Settings is automatically added to the end of home directory path as the sub folder when using Scan to Home Directory. *If the sub folder does not exist, the sub folder will be created.
3	Specification	A setting to prohibit OCR is newly set. *Image Send Settings > Scanner Settings > Condition Settings > Enable/Disable Settings > tick the checkbox of "Disabling of OCR".
4	Specification	"Synchronize with Internet Time Server" in Clock Adjust screen has been deleted. *When synchronizing the time via the network, please make SNTP Settings.
5	Specification	Improvement of operation when "Preview", "Job Build" and "NextScanDialog" are set together for OSA scan
6	Specification	Support of Scan To Home Directory when OSA external authentication is activated.
7	Specification	Including Advanced Settings for Device Cloning. *If Device cloning data after this function is supported is imported into MFP before this function is supported, it will not be applied.
8	Specification	Displaying of IP address to Machine Information on System Settings. Addition of the setting to select display or not to display IP address on System Information Screen in System Settings > Common Settings > Operation Settings > Condition Settings ON (Default) OFF
9	Specification	For Voice Assist ON/OFF Settings, [Notification] has been subdivided to enable to turn ON/OFF for each item.
10	Specification	Password Policy Settings has been added to System Settings > Security Settings.
11	Specification	Support of PIN print for Microsoft Universal Print. (Only Windows11 is supported as the client PC.)
12	Specification	[Reduce Colours] setting has been added to the setting screen of Compression Ratio for GoogleDrive /OneDrive/SharePoint/Exchange/Gmail.
13	Specification	Modification has been made so that Page number is not reset even though the tray is switched in the combination of Job Build and Page Number functions.
14	Specification	The function to display Security Status on Status Page has been added. The function to select to display or not display Security Status has been added to Advanced Settings. [System Settings] > [System Control] > [Advanced Settings] ID: 00030 Display setting of Security Status *Display Security Status ON (Default) OFF

15	Specification	<p>The function to switch (display the message until "OK" is clicked or display the message for 6-sec) the message display time of Reserving Pull Print Jobs has been added to Advanced Settings.</p> <p>[System Settings] > [System Control] > [Advanced Settings] ID: 00031 Setting for Switching the Message Format at Reserving Pull Print Jobs *Remove [OK] key from the Message ON OFF (Default)</p>
16	Specification	<p>The function to switch the setting of Image Quality Setting for Halftone Area in Auto Mode is added to "Advanced Settings".</p> <p>[System Settings] > [System Control] > [Advanced Settings] ID: 00032 Image quality setting for halftone area in auto mode *LPI judgement for screen on the halftone area Near low LPI Standard (Default) Near high LPI *LPI judgement for line screen on the halftone area Judgement: No Judgement: Yes (Default)</p>
17	Specification	<p>The function to switch the setting of Black and White Copy Output Resolution/ Halftone Processing Setting is added to Advanced Settings.</p> <p>[System Settings] > [System Control] > [Advanced Settings] ID: 00033 Black and White Copy Output Resolution/ Halftone processing Settings *Auto mode 600dpi auto (Standard) (Default) 600dpi auto (Error diffusion) 600dpi auto (Near dither) *Text/Printed Photo mode 600dpi Dither (Standard) (Default) 1200dpi Dither 600dpi Error diffusion *Text/Photo mode 600dpi Dither (Standard) (Default) 1200dpi Dither *Photo mode 600dpi Dither 1200dpi Dither (Standard) (Default) *Photo mode 600dpi Dither 1200dpi Dither (Standard) (Default)</p>
18	Main unit control	<p>Correction of the following trouble: Machine may lock up while displaying "Please wait." when deleting AirPrint / AirFax job on Job Status screen.</p>
19	Main unit control	<p>Correction of the following trouble: When Folding Unit and Right delivery tray are installed, if Fold settings are enabled for paper that cannot be folded / paper that cannot be ejected to Folding unit, the Fold settings will not be cancelled and "No output tray is allowed." message will appear, which may not be able to print.</p>
20	Main unit control	<p>Correction of the following trouble: Job log counter for the colour on side-2 increases by two when performing Scan to HDD with auto colour mode/ 2-sided scanning.</p>

21	Main unit control	Correction of the following trouble: "Business Card Scan" may not be displayed on the following screen when DSPF is installed and OCR Expansion Kit is disabled. *User Control > Access Control Settings > Favorite Operation Group > Favorite Key List > Favorite Key Registration > Scanner Tab Function Menu *System Settings > Common Settings > Operation Settings > Favorite Key Setting > Scanner Tab Function Menu *System Settings > System Control > Job Log > View Job Log > Job log Operation Special Modes
22	Main unit control	Correction of the following trouble: Operation panel may lock up when searching global address on the operation panel of the main unit using Google LDAP.
23	Main unit control	Correction of the following trouble: When reprinting the data from Document Filling, if the top tray of Finisher is selected as the exit tray after specifying "Fold", the specified "Fold" setting will be cancelled.
24	Main unit control	Correction of the following trouble: Drag operation on the action panel may not be functioning in Enlarge Display Mode.
25	Main unit control	Correction of the following trouble: In Copy Preview, the page with Fold being set up may not be displayed properly.
26	Main unit control	Correction of the following trouble: There are some operation scenes where the beep of Confirmation/Invalid Input were not produced properly.
27	Main unit control	Correction of the following trouble: When Billing Code is enabled, unnecessary [Switch Billing Code.] is displayed on the action panel of Scan to Local Drive > RGB Adjust.
28	Main unit control	Correction of the following trouble: There were the buttons that did not respond even by tapping the section other than the button name.
29	Main unit control	Correction of the following trouble: When entering 4 digits as the number of copies in Easy Copy, the all keys other than "0" are grayed out.
30	Main unit control	Correction of the trouble that the folder is not displayed with USB flash driver of NTFS format.
31	Main unit control	Correction of the following trouble: If the cancellation operation is performed during printing, it may take some time to cancel the job.
32	Main unit control	Correction of the following trouble: MFP may be recovered from Energy Save Mode every 15 minutes when using Application Portal.
33	Main unit control	Correction of the following trouble: System Settings screen keeps displaying numeric keys when drop-down list is pressed while displaying numeric keys.
34	Main unit control	Correction of the following trouble: When tapping [Choose Print Settings] on the action panel twice quickly on the operation of reprinting from Job Status screen, the preview may not be displayed.
35	Main unit control	Correction of the following display trouble in the notification area on the system information screen: *When the toner is removed, "Install the toner cartridge." may not be displayed. *At the time of toner end, "Change the toner cartridge." may not be displayed.
36	Main unit control	Correction of the following trouble: On the screen of Preview Edit, when moving the screen to Erase Specified Range screen after inserting the blank page in front of the 1st page, the inserted blank page may be displayed closer to the upper left of the screen.
37	Main unit control	Correction of the following trouble: After changing the setting of the next original in Job Build, if you stop scanning and check the preview, the preview image of the first scanned original may not be displayed.

38	Main unit control	Correction of the following trouble: When Tandem print is disabled (slave machine; power-off) and reprint is performed from Job Status screen while specifying Tandem Print, an error message may not be displayed and the reprint may not be performed only with the master machine.
39	Main unit control	Correction of the following trouble: When performing the copy job after exiting the simulation and rebooting the machine, the reboot occurs and P_ON JAM may occur (JAM detect at the time of power-on).
40	Main unit control	Correction of the following trouble: On rare occasion, Touch interactions does not work when Quick Login is used.
41	Main unit control	Correction of the following trouble: Sometimes MFP locks up due to the failure of switching to Energy Saving mode.
42	Main unit control	Due to the communication timeout in the network environment, polling to SPN server may remain stopped. As the improvement of this issue, the modification has been made to resume in the next polling cycle.
43	Main unit control	Judgement processing has been optimized to reduce P_FPFDD_N/ P_FPFDD_S JAM (FPFD not-reached jam/ remaining jam).
44	Main unit control	Modification for improvement has been made to reduce F2-22/ F2-23/ F2-24/ F2-25 (Discharger lamp trouble K/C/M/Y).
45	Main unit control	Correction of the following trouble: When executing SIM44-26 (Execute Process control compulsory (Halftone adjustment)), [Other Error] may appear.
46	Main unit control	Correction of the following trouble: When recovering the machine from Energy Save Mode on Easy FAX screen with FNET being set and the motion sensor being enabled, L8-03 (Abnormal voltage input error) may occur.
47	Printer	Correction of the following trouble: When rotating and flicking images continuously in Image Check mode in Document Filing, the images stop moving.
48	Printer	Correction of the following trouble: When USB Memory Direct Print is performed printing mix of portrait/landscape images in duplex, the printing direction of side-2 varies, failed to unify orientation.
49	Printer	Correction of the following trouble: When touching a job with a long file name with Print Release, the file name is not scrolled and the entire file name may not be seen.
50	Printer	Correction of the following trouble: When printing the data from a custom driver on MacOS using AirPrint port (IPP Port), Staple and Punch no longer work.
51	Printer	Correction of the following trouble: Documents are collated by page in reverse order when Booklet and Saddle Fold are combined for print job.
52	Copy	Correction of the following trouble: If the layout that is not in the options of Easy Copy > N-Up screen is set up as the initial value, the layout icon is not displayed in the added button.
53	Copy	Correction of the following trouble: When performing Copy Preview with multiple 2-sided originals with Saddle Fold and then switching to Reduction Preview, the entire page may be displayed in blank.
54	Copy	Correction of the following trouble: After Booklet is enabled with Copy or Reprint, the tray that is being selected can be changed from the standard size to the custom paper size.
55	Copy	Correction of the following trouble: In copy job, when closing the screen without changing any settings of the dialog "Display Paper Tray Settings when bypass tray detects paper. ", the Start key will be grayed out in approx. 8 seconds.

56	Copy	Correction of the following trouble: Copy job can be performed in the combination of Book Divide and Custom paper size.
57	Copy	Correction of the following trouble: When reprinting a combined file with "Fold" settings other than Z-Fold being added, "Offset" is grayed out on the overall finishing setting screen.
58	Copy	Correction of the following trouble: When changing N-Up Print setting to Off, On, and Off at the time of reprinting, the preview image is displayed with incorrect ratio.
59	Image Send	Correction of the following trouble: If the auto setting of Easy Scan is enabled, the data is occasionally compressed according to the settings in SIM46-47 (compression rate settings of copy, scan images (JPEG)), instead of the result of auto judgement even though "Set Compression Ratio Automatically" is enabled.
60	Image Send	Correction of the following trouble: Scan to XXXX/Preview may not start when entering the specific character strings to Subject/Body text/ File name on Scan setting screen with Gmail connector.
61	Image Send	Correction of the following trouble: In the setting to forward fax received data by email only on the specified day of the week, if the condition that the destination is not registered is included, the machine may not be able to forward the email on the specified day of the week.
62	Image Send	Correction of the following trouble: When replacing the original on the document glass during performing Easy Scan, the button of the destination of storage is not occasionally grayed out though the destination of storage cannot be changed, and the machine may lock up displaying "Please wait." by changing the destination of storage.
63	Image Send	Correction of the following trouble: When directly entering E-mail address as the next destination after calling up the destinations for FTP or Desktop in Easy Scan, the characters that are being entered are displayed in gray.
64	Image Send	Correction of the following trouble: The send result may be missing when the original size error occurs due to the dog ear, etc. when scanning with Document Feeder.
65	Image Send	Correction of the following trouble: On the preview screen when performing scanning while additional data was scanned with the special function "Booklet" being enabled, the total count may not match.
66	Image Send	Correction of the following trouble: When exiting from Edit mode after performing the preview in Image Send Mode (FTP/Desktop, Network Folder, Data Entry), the field of the file name is hidden.
67	Image Send	Correction of the following trouble: Edit screen is not displayed after logging into with Admin when editing Favorite on E-mail screen.
68	Image Send	Correction of the following trouble: When Easy Scan auto setting is turned on, if the grayed-out Start key is pressed while the original is loaded to the document glass, the message "Use the document feeder." is occasionally displayed.
69	Image Send	Correction of the following trouble: When re-sending Mono2 data received from Fax and I-FAX that cannot be treated as OCR processing while OCR setting is enable, NG90 error may occur.
70	Image Send	Correction of the following trouble: When scanning under the following conditions, the send error (NG90-0093) may occur: - Colour setting is "Auto". - The format which executes OCR processing are selected - Dual Page Scan are set.
71	Image Send	Correction of the following trouble: If MFP is restarted (including power on/off) during the continuous transmission of PC-FAX data, and the new PC-FAX job is received during rebooting, the job may not be reserved properly.

72	Image Send	Correction of the following trouble: On very rare occasion, MFP may locks up displaying "Scanning original. " when sending the FAX of 2-sided original.
73	Image Send	Correction of the following trouble: When seeing the image in Quick File with the mixed original added, the margin is displayed on the lower side of B5R original.
74	Image Send	Correction of the following trouble: The job without any address may be registered as recent job history when Easy Scan job is canceled by pressing Reset Key while waiting for another original on document glass.
75	Image Send	Correction of the following trouble: When selecting "Recent Jobs" of the action panel from All Destinations screen and calling up the history, Address Detail Information may not be displayed.
76	Image Send	Correction of the following trouble: When Dial Mode Setting is set to the item other than "Tone" (20PPS or 10PPS), and after connecting to the device at the other end, if the setting is switched from "Pulse" to "Tone" by "" Key, a tone signal may not be sent out on the line.
77	Network	Correction of the following trouble: When the authentication function is enabled, if there is about 30-minute usage interval of OneDrive connector, Single Sign-on function will not work, and User Authentication with Microsoft 365 may be required again.
78	Network	Correction of the following trouble: Pop-up dialogue with no message may appear when tapping [Address Search] button after Exchange Connector starts up.
79	Network	Correction of the following trouble: "●" may not be printed even though [Universal Print settings > Custom] in Network setting list has been changed from the default.
80	Network	Correction of the following trouble: It is not possible to access from Windows11 to NAS folder via SMB3.1.1.
81	OSA	Correction of the following trouble: The applications cannot occasionally be displayed in descending order (New => Old) of the release date with Application Portal.
82	OSA	Correction of the following trouble: In some rare cases, the touch operation may not function after installing the application with Application Portal.
83	OSA	Acquisition of scan file from OSA application using built-in application is supported.
84	OSA	Correction of the following trouble: MFP may reboot when HOME key is pressed during address book search using Exchange connector.
85	BP-DE13 BP-DE14	Along with the change of transport motor, the software modification has been made to support both the old and new transport motor.
86	BP-DE15	Along with the change of transport motor, the software modification has been made to support both the old and new transport motor.
87	BP-FD10	Correction of the following trouble: When outputting Punched paper with a lot of holes without "Fold" being set, FIN_ERR JAM (Finisher communication error detect) may occur.
88	BP-LC10	Improvement of the following trouble: When feeding the paper from LCC, if the previous paper is delayed to be delivered, and then the next paper is mis-fed due to the slipping at the time of paper feed, etc., the machine may fall into LPFD_NL JAM (LPFD Not-reached JAM (LCC)), instead of retrying to feed the paper.

Technical Report

ROM UPGRADE..... (3)

1. Model Name: BP-50C26/31/36, BP-70C31/36/45

2. Description: Upgrade of ICU and PCU-ROM

From May 2022 production				
ROM Control No.	BUNDLE	ICU	PCU	SCU
A04	0121Q100_ 22042100	0121Q100	0120Q10a	0100Q100
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	- Correction of a setting in System Settings -> Image Send Settings -> Fax Settings -> Receive Settings -> Output Tray Incorrect: Lower Tray Correct: Upper Tray *Change this setting as may be necessary because firmware upgrade does not reflect the change.			

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	SCU	Action	T/R No.
(2)	A03	0120Q10a_ 22031700	0120Q100	0120Q10a	0100Q100	Apr. 2022	CCE-2633A
(1)	A01	0101Q100_ 22021000	0100Q100	0100Q10c		Feb. 2022	CCE-2633

Technical Report

ROM UPGRADE..... (2)

Model name "BP-55C26, BP-60C31/60C36/60C45" have been appended to "Model Name".
The words "(For North America only)" have been appended to No1 and No11 of "Item of change".

1. Model Name: BP-50C26/50C31/50C36,
BP-70C31/70C36/70C45

2. Description: Upgrade of ICU and PCU-ROM

From April 2022 production				
ROM Control No.	BUNDLE	ICU	PCU	SCU
A03	0120Q10a_ 22031700	0120Q100	0120Q10a	0100Q100
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 2.			

ROM Version History Table

No.	ROM Control No.	BUNDLE	ICU	PCU	SCU	Action	T/R No.
(1)	A01	0101Q100_ 22021000	0100Q100	0100Q10c	0100Q100	Feb. 2022	CCE2633

Item of change

No.	Item	Detail
1	Main unit control	(For North America only) Correction of the trouble that the machine may not recognize that USB flash drive is removed.
2	Main unit control	For the purpose of operation check of 2-speed switching fan (12V/ 24V), the control of SIM6-2 (check the operations of each fan motor and its control circuit) has been changed from [24V drive only] to [24V drive after 12V drive for 15 seconds].
3	Main unit control	Correction of the trouble that the overtone may be caused by replenishing the excessive toner when the remaining toner is 10% or less.
4	Main unit control	Improvement for the purpose to reduce the crease, mottle, and void in high humid environment.
5	Main unit control	Improvement for the purpose to reduce the void caused on the solid black area of high coverage image when printing in a row.
6	Main unit control	Modification to improve the image quality trouble relating to the transferring (Contamination, Void, Brushstroke lines, Blur at the rear edge, Image memory, Scale-like stains due to re-transferring).
7	Main unit control	Improvement for the purpose to reduce the filming by the black toner.
8	Main unit control	Modification of the communication recovery control for the purpose to reduce the mis-ejection of toner cartridge due to toner cartridge crumb reading error.
9	Main unit control	Improvement for the purpose to reduce the fusing trouble caused on the 1st page after the job stops/ resume.
10	Copy	Correction of the trouble that it may take time to display [Cancel Copy] button after tapping [Copy Start] button, and may take time to output the copy.
11	Image Send	(For North America only) Correction of the following trouble: If the machine is tuned off while receiving a fax, the received data may not be printed after restarting the machine, and the machine may remain in Stand-by mode or E7-91 (FAX received image data error) may occur.
12	Network	Correction of the trouble that the connection in Wi-Fi Direct mode may fail.

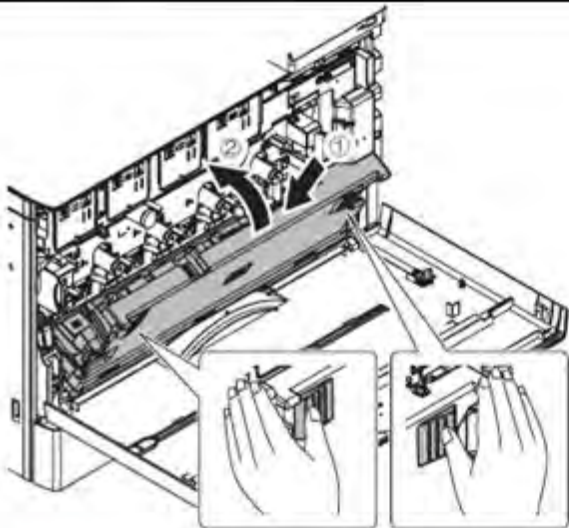
Technical Report

ROM UPGRADE..... (1)

1. Model Name: BP-50C26/50C31/50C36, BP-70C31/70C36/70C45

2. Description: Upgrade of PCU-ROM

From mid-February 2022 production				
ROM Control No.	BUNDLE	ICU	PCU	SCU
A01	0101Q100_ 22021000	0100Q100	0100Q10c	0100Q100
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	- For North America only Fix for indication of paper jam Operation of main unit right at power on (accompanied by operation check of the contact of the charge roller) may cause indication of paper jam on rare occasions. This is a prevention of the paper jam described in the [Important] in step 6) of Installation Manual.			



- 5) Turn ON the main power switch and close the front cover.

Important

For the destination EXIT TRAY CABINET option.

Finisher or exit tray cabinet have to be installed before turning on the machine otherwise get L4-11 code will occur.

- 6) Turn ON the operation panel power switch.

Important

Do not operate the main unit for 20 seconds after turning on the power due to the contact operation check of the charging roller.

- * In rare cases, JAM display may appear when operated.
- * If JAM display appears, cancel JAM by opening and closing the right door and clear JAM history.

- 7) Press OK.



- 8) MFP Automatically rebooted and enters the toner replenishment operation.

Confirm that "Toner replenishment in progress" is displayed and wait until the display disappears. (it takes 30 sec - 4min)

Note

This procedure is for checking the toner supply operation from the toner cartridge to the DV unit. The operation time differs depending on the toner quantity in the toner cartridge. Uneven distribution of toner and the internal state of the toner cartridge.