



Technical Report

ROM UPGRADE..... (5)

Caution for firmware upgrade

• 0300X300_24081900 is the common firmware for BP-90C70/80 and BP-FR12U.

1. Model Name: BP-90C70/80, BP-FR12U (Option for BP-90C70/80)

2. Description: Upgrade of ICU, PCU, SPF-ROM

Upgrade of ROM, PCU, SCU, and SPF ROM

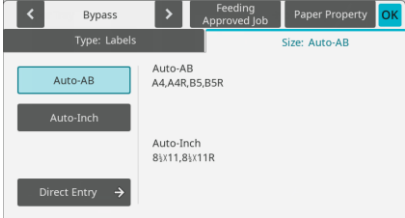
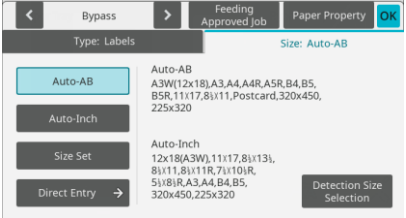
From September 2024 production.						
Model	ROM Control No.	BUNDLE	ICU	PCU	SCU	SPF
BP-90C70 BP-90C80	C00	0300X300_24081900	0300X300	0106X300	0100X300	0200X300
BP-FR12U			0300Xe00			
Notification	- Last 8-digit of BUNDLE version is displayed when updating the firmware in the field. Factory default is 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.
(4)	B02	0220X300_24051500	0220X300	0105X300	0100X300	Jun.2024	CCE-3096
(3)	B01	0210X300_24021400	0210X300			Mar.2024	CCE-3056
(2)	B00	0200X300_23121800	0200X300			Jan.2024	CCE-3038
(1)	A02	0102X30c_23090500	0102X300	0104X300		Sep.2023	CCE-3012
	A01	0101X300_00000000	0101X300	0101X300		Jul.2023	

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
2	Specification	<p>Deletion of Remote trigger mode of Remote firmware update function.</p> <p>*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.</p>
3	Specification	<p>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.</p>
4	Specification	<p>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.</p> <p>For the reason above, the feature to update the user name has been added to the [Advanced Settings]. [System Settings] > [System Control] > [Advanced Settings]</p> <p>ID:00050 Update Setting of User Name in Offline Authentication</p> <ul style="list-style-type: none"> • 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	<p>Support for displaying the ID list of Advance Settings in ascending order</p>
6	Specification	<p>Addition of the feature to delete all address books in accordance with the instruction of Synappx Manage for the following reason:</p> <p>Before distributing the address book from Synappx Manage, all address books need to be deleted, however, there was no feature of all deletion.</p> <ul style="list-style-type: none"> * Only the communication via the expansion FSS is supported.

No.	Item	Detail
7	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> <p>*SIM56-99 (various logs) The communication via the expansion FSS and via PC agent is supported.</p> <p>* SIM55-3 (Soft SW) * SIM26-78 (Remote operation password setting)</p>
8	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.
9	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).
10	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].
11	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>
12	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.)
13	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> <p>* Staple and Stapleless staple are applicable. (Saddle staple is not applicable.)</p> <p>* The number of pages that can be specified is from 2 to 30.</p> <p>* No staple beyond the set.</p> <p>* The followings are not applicable:</p> <ul style="list-style-type: none"> : Staple every X sheets : Carbon Copy : Z-Fold <p>*Applicable driver: Windows PCL6/PS</p>

No.	Item	Detail
14	Specification	<p>The screen of the Job List of Print Release has been improved for the following reason: 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. * Assign the number to Primary Unit icon.</p>
15	Specification	<p>Following improvement has been made: 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>
16	Specification	<p>[AES 256bit] [AES 128bit] have been supported as the encrypted PDF of Scan PDF. (PDF Ver.1.7 supported)</p>
17	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>
18	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. * Checks are made every hour at 0 minutes and files that have elapsed beyond the set time are deleted. * 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>
19	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. * The button of "Return to the Defaults" has been added. * The confirmation message before execution has been changed. "If you restore the permission group to the factory default, the permissions of all users using this group will be the selected permissions."</p>
20	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>
21	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)
22	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>

No.	Item	Detail												
23	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) - 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.												
24	Specification	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.												
25	Specification	Operation when the Fold is specified and also the paper that cannot be folded is selected has been changed as below: Before change: Display the "This paper cannot be folded." message and does not print. 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. *Above will not be changed even if this firmware is applied to the machine that has already been operated.												
26	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 border="1"> <thead> <tr> <th>Destination</th><th>Before change</th><th>After change</th></tr> </thead> <tbody> <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> </tbody> </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.												
27	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.												

No.	Item	Detail
28	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.].
29	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]].
30	Specification	Update of jQuery Plug-in used on the web server inside the MFP to v3.6.4
31	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)
32	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).
33	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.
34	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.
35	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.
36	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.
37	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.
38	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.
39	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.
40	Main unit control	(BP-90C80 only) Correction of the image failure caused after the 2nd page when performing the multiple print with 13 x 19.2/SRA3/B4/A4R from A3LCC/LCT
41	Main unit control	Correction of the trouble that cannot enter SIM3-10 (Adjust Finisher) if the finisher and also the punch unit are not installed
42	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.
43	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.

No.	Item	Detail
44	Network	Correction of the trouble that cannot communicate with the Gateway if the momentary disconnection of wireless LAN occurs. *If the above symptom occurs, the communication is also unavailable even with the external server such as SMTP server.
45	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.
46	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.

Technical Report

ROM UPGRADE..... (4)

Caution for firmware upgrade

•0220X300_24051500 is the common firmware for BP-90C70/80 and BP-FR12U.

1. Model Name: BP-90C70/80, BP-FR12U (Option for BP-90C70/80)

2. Description: Upgrade of ICU-ROM

From June 2024 production.					
Model	ROM Control No.	BUNDLE	ICU	PCU	SCU
BP-90C70 BP-90C80	B02	0220X300_ 24051500	0220X300	0105X300	0100X300
BP-FR12U			0220Xe00		
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)	B01	0210X300_24021400	0210X300	0105X300	0100X300	Mar.2024	CCE-3056
(2)	B00	0200X300_23121800	0200X300			Jan.2024	CCE-3038
(1)	A02	0102X30c_23090500	0102X300	0104X300		Sep.2023	CCE-3012
	A01	0101X300_00000000	0101X300	0101X300		Jul.2023	

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	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.

Technical Report

ROM UPGRADE..... (3)

Caution for firmware upgrade

•0210X300_24021400 is the common firmware for BP-90C70/80 and BP-FR12U.

1. Model Name: BP-90C70/80, BP-FR12U (Option for BP-90C70/80)

2. Description: Upgrade of ICU-ROM

From March 2024 production.					
Model	ROM Control No.	BUNDLE	ICU	PCU	SCU
BP-90C70 BP-90C80	B01	0210X300_ 24021400	0210X300	0105X300	0100X300
BP-FR12U			0210Xe00		
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.
(2)	B00	0200X300_23121800	0200X300	0105X300	0100X300	Jan.2024	CCE-3038
(1)	A02	0102X30c_23090500	0102X300	0104X300		Sep.2023	CCE-3012
	A01	0101X300_00000000	0101X300	0101X300		Jul.2023	

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>
3	Main unit control	<p>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.</p>

Technical Report

ROM UPGRADE..... (2)

Caution for firmware upgrade

•0200X300_23121800 is the common firmware for BP-90C70/80 and BP-FR12U.

1. Model Name: BP-90C70/80, BP-FR12U (Option for BP-90C70/80)

2. Description: Upgrade of ICU, PCU-ROM

From January 2024 production.					
Model	ROM Control No.	BUNDLE	ICU	PCU	SCU
BP-90C70 BP-90C80	B00	0200X300_ 23121800	0200X300	0105X300	0100X300
BP-FR12U			0200Xe00		
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)	A02	0102X30c_23090500	0102X300	0104X300	0100X300	Sep.2023	CCE-3012
	A01	0101X300_00000000	0101X300	0101X300		Jul.2023	

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	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. [System Settings] > [System Control] > [Advanced Settings] ID: 00043 Setting of Display Delete All Button For Automatic Retention Job Printing •Display Delete All Button when printing retention job automatically at login OFF (default) ON
8	Specification	Added the ability to display the firmware version in the machine information on the system information screen in the advanced settings. [System Settings] > [System Control] > [Advanced Settings] ID: 00044 Firmware Version Display Setting •Firmware Version display OFF BUNDLE Version (default) ICU Version
9	Specification	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. [System Settings] > [Authentication Settings] > [Default Settings] Set E-mail Address of Logged In User in the From/Sender Field of E-mail OFF (Default) ON
10	Specification	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.

No.	Item	Detail
11	Specification	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.
12	Specification	(DSPF model only.) 2-sided scan in Slow Scan Mode has been enabled.
13	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
14	Specification	Display time of Job List of Print Release has been improved.
15	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.
16	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]
17	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.
18	Main unit control	Correction of the following trouble: Even when resetting User Count, 2-Color Total Count cannot be cleared.
19	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.
20	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.
21	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.
22	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".
23	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]."
24	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.

No.	Item	Detail
25	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.
26	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.
27	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.
28	Image Send	Correction of the trouble that the machine may lock up when performing TWAIN scan of duplex of Ledger or A3 original with resolution 600dpi.
29	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.
30	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.
31	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.
32	Network	Correction of an error that LDAP authentication using Kerberos fails when applying KB5028168 of Microsoft Update Program.
33	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.
34	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.
35	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.
36	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.

Technical Report

ROM UPGRADE..... (4)

Item of change: No.11 has been added.

Caution for firmware upgrade

・0260M30a_24012600 is the common firmware for BP-B540WR/B550WD and BP-FR12U

1. Model Name:

BP-B540WR/B550WD,
BP-FR12U (Option for BP-B540WR/B550WD)

2. Description:

Upgrade of ICU-ROM, BP-FN17 and E-manual

From February 2024 production							
Model	ROM Control No.	BUNDLE	ICU	PCU	SCU	BP-FN17	E-manual
BP-B537WR BP-B540WR BP-B547WD BP-B550WD	B01	0260M30a_24012600	0260M300	0200m300	0200m300	0101m30a	0110M3A0
BP-FR12U			0260Me00				
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)	B00	0200M300_23101700	0200M300	0200m300	0200m300	Dec.2023	DCE-1367
(2)	A02	0102M300_23061900	0102M300	0101m300	0100m300	Jul.2023	DCE-1365
(1)	A01	0101M300_23052400	0101M300			Jun.2023	DCE-1358

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>
3	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]
4	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.
5	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.
6	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.
7	Main unit control	<p>In [System Settings] > [System Control] > [Advanced Settings] > [ID:00034 Touch Panel Sensitivity Setting], change the control for 7-inch.</p> <p>*If Sensitivity Setting has already been changed, do not change the control when updating the firmware in the field.</p>
8	Printer	Correction of the trouble that a part of characters may be missing when printing the texts containing TrueType font with PCLXL driver.
9	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.
10	BP-FN17	<p>Correction of FSTPD_S jam (Paper jam due to discharged papers accumulated on Finisher). It may occur while A4R/B5R papers are discharged and loaded on exit tray of BP-FN17. *Frequency to lift the tray changes from "once in every 3 sheets of discharge" to "once in every discharge".</p> <p>SIM55-1 SW3 Data8 0: Exit tray lifts after discharging every sheet if small amount of paper (approx. 30 sheets or less) is loaded on exit tray. (Default) 1: Exit tray always lifts after discharging every sheet.</p>
11	E-manual	For standardization with other models for BP-C533WR series, the version has been updated also on BP-B537WR series.

Technical Report

ROM UPGRADE..... (3)

Caution for firmware upgrade

·0102M300_23061900 is the common firmware for BP-B540WR/B550WD, and BP-FR12U.

1. Model Name:

BP-B540WR/B550WD,
BP-FR12U (Option for BP-B540WR/B550WD)

2. Description:

Upgrade of ICU, PCU, SCU, DSPF-ROM

From December 2023 production						
Model	ROM Control No.	BUNDLE	ICU	PCU	SCU	SPF
BP-B540WR BP-B550WD	B00	0200M300_ 23101700	0200M300	0200m300	0200m300	0200m300
BP-FR12U			0200Me00			
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.
(2)	A02	0102M300_ 23061900	0102M300	0101m300	0100m300	Jul.2023	DCE-1365
(1)	A01	0101M300_ 23052400	0101M300			Jun.2023	DCE-1358

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 Pattern 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	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. [System Settings] > [System Control] > [Advanced Settings] ID: 00043 Setting of Display Delete All Button For Automatic Retention Job Printing •Display Delete All Button when printing retention job automatically at login OFF (default) ON
8	Specification	Added the ability to display the firmware version in the machine information on the system information screen in the advanced settings. [System Settings] > [System Control] > [Advanced Settings] ID: 00044 Firmware Version Display Setting •Firmware Version display OFF BUNDLE Version (default) ICU Version
9	Specification	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. [System Settings] > [Authentication Settings] > [Default Settings] Set E-mail Address of Logged In User in the From/Sender Field of E-mail OFF (Default) ON
10	Specification	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.

11	Specification	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.
12	Specification	(DSPF model only) 2-sided scan in Slow Scan Mode has been enabled.
13	Main unit control	Display time of Job List of Print Release has been improved.
14	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.
15	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.
16	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.
17	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].
18	Main unit control	Changing from normal startup to silent startup when recovering from power save mode.
19	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.
20	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.
21	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.
22	Main unit control	Change of control to prevent streaks while feeding original from SPF.
23	Main unit control	Optimization of the processing when [Dark Streak Reduction] is enabled in [System Settings] > [Image Quality Adjustment].
24	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.
25	Main unit control	Correction of the following trouble: Upon the reception of HTTP request intentionally tampered, MFP will reboot on its own.
26	Main unit control	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.
27	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 MacPS printer driver.
28	Printer	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.

29	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.
30	Image Send	Correction of the following trouble: Machine may lock up if [Create Downloadable File] is turned OFF/ON after enabling [Encry] in [Scan to Local Drive] > [File Format] > [B/W].
31	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.
32	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.
33	Image Send	Correction of the trouble that the default value of the original size in Easy Fax / Easy Scan may become the value previously set up, instead of the value in [Default Original Size Settings].
34	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.
35	Image Send	Correction of STOP_JAM (Emergency Stop JAM (request of controller))when reding the multiple pages of the original.
36	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.
37	Network	Correction of an error that LDAP authentication using Kerberos fails when applying KB5028168 of Microsoft Update Program.
38	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.
39	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.
40	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.
41	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

ROM UPGRADE..... (2)

Caution for firmware upgrade

•0102M300_23061900 is the common firmware for BP-B537WR/B540WR/B547WD/B550WD and BP-FR12U.

Item of change: No.3, 4 have been added.

1. Model Name: BP-B540WR/B550WD,
BP-FR12U (Option for BP-B540WR/B550WD)

2. Description: Upgrade of ICU-ROM

Upgrade from ROM

From July 2023 production								
Model	ROM Control No.	BUNDLE	ICU	PCU	SCU			
BP-B540WR BP-B550WD	A02	0102M300_ 23061900	0102M300	0101m300	0100m300			
BP-FR12U			0102Me00					
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	0101M300_ 23052400	0101M300	0101m300	0100m300	Jun.2023	DCE-1358

Item of change

No.	Item	Detail
1	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 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>
2	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>
3	Main unit control	<p>Correction of the trouble that it is possible to access to URL for debug that is undisclosed.</p>
4	Main unit control	<p>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.</p>