

SB Number:	SB 2BG-004	Creation Date: 14/12/2004
Subject:	Firmware upgrade	
Model:	KM-C2630/D	

Please be informed that the firmware for KM-C2630/D has been upgraded as follows.

Firmware upgrade I.

ENGINE: 2BG2932CN

SCANNER: 2BG29319K

CONTENTS OF CHANGES

Item	Remarks
1	<p>Adding some items to the default settings. (Original set direction, Sort/Offset)</p> <p><u>Adding the item [Original set direction] to [Machine default settings]</u></p> <ul style="list-style-type: none"> The default value of [Original set direction] that is set under 'Function' tab can now also be set in [Machine default settings]. The setting under [Machine default settings] will be the default value for [Original set direction]. The settings for [Original set direction] have been added to [User machine setting list]. The factory default setting of [Original set direction] is 'Back'. <p><u>Adding [Offset] to the item [Sort] under [Copy default settings]</u></p> <ul style="list-style-type: none"> The default value of [Sort/Offset] that is set under 'Function' tab can now also be set in [Copy default settings]. Before this F/W change, only [Sort] could be set via [Copy default settings]. By this change, the default value of [Offset] can be also set. The settings of [Offset] have been added to the settings for [Sort] in [User copy setting list]. The factory default setting of [Offset] is 'OFF'.
2	<p>Problem when processing auto paper rotation image in ACS mode.</p> <p>When processing auto paper rotation image in ACS mode in the condition that the same size of paper is stored in a different direction in separate cassettes, => if paper empty occurs in the middle of this process, the other different direction paper is selected and thus the image is not rotated.</p>
3	<p>Problem with [Soft/Finished] on basic screen.</p> <p>On a machine equipped with a HDD and without finisher => when [Sort/Finished] is displayed on basic screen, and [Sort: "OFF"] on the basic screen is pressed in condition that [Offset: "ON"] is set, [Offset: "ON"] is changed to [Offset: "OFF"].</p>

Firmware Details I.

Type	Program No.	File Name (after decompressing)	Checksum
SCANNER	2BG29319K	P2BG2931.9K0	48D0
ENGINE	2BG2932CN	P2BG2932.CN1	1243
LANGUAGE E	2BG29345F	P2BG2934.5F2	2012

When upgrading firmware, please upgrade 3 types of firmware (SCANNER/ENGINE/LANGUAGE) to the newest version at the same time.

Affected Machine Serial Numbers (Firmware upgrade I.):

KM-C2630/2630D: V3003697 and later

Firmware upgrade II.

ENGINE: 2BG2932DP

SCANNER: 2BG2931BM

CONTENTS OF CHANGES

No	Item	Remarks
1	Reexamining the default value of SDRAM (DIMM) for image memory.	Reexamine and change the calculation of default setting for SDRAM (DIMM) for image memory at power-on. (This F/W change has been done because in rare cases an unusual image (vertical band image) may occur depending on the type of DIMM.)
2	Deleting the [Reset] button displayed on the panel at the end of printer FW download.	After the end of printer firmware download, if the reset key on panel is pressed without pulling out CF and the power source is turned off before the end of re-download, there is the possibility that the machine might not recover. Contents of changes [Reset] key will not be displayed anymore on the download end screen. In addition, key operation is not accepted at this point.
3	Adding the maintenance mode U471 [= Check LPH] (When controller is not installed, it is impossible to check LPH image. For that reason, the maintenance mode U471 has been added.)	For LPH operation check and focus adjustment, use the maintenance mode U471 . The following 2 items are included. [Check Serial Number] It is possible to check LPH serial number for each color. [Pattern Output] It is possible to output and check the pattern (different density band) for each color. <i>For more details, please refer to the description on following page.</i>
4	Password for sender of network scanner not validated.	When selecting a sender with network password setting and the password is input with numeric keys, the password changes to '001' regardless of what was input. F/W has been changed to correct this problem.
5	Improving the operation at 'toner empty'.	In case that 'toner empty' status is left as it is for a long time or power source is turned on under conditions of toner empty, then after machine recovery, to prevent the effect on the image, the following changes have been implemented. • Execute color registration correction and density correction after 'toner empty' release. • As for the color that causes 'toner empty', toner coating before belt cleaning is not performed. • Even when 'toner empty' occurs, perform minute drum rotation and minute fixing rotation.
6	Correcting the low level gauge according to the display of 'toner low' or 'toner empty'.	If irregular operation such as toner container replacement during machine operation, the amount of remaining toner recognized by software might be different from the actual amount of the remaining toner. Therefore the change is made so that, when detecting toner low or toner empty, toner level gauge display is changed to 0% to 5% by force. Contents of changes When toner low occurs, toner level gauge shows the value of 1% to 5%. When toner empty occurs, toner level gauge shows 0%. In the case excluding toner low and toner empty, toner level gauge does not show the value less than 5%.
7	Problem that copier counter value is not notified to printer.	Phenomenon There is the possibility that copier counter value is not notified to printer. => F/W has been changed to correct this phenomenon.
8	An incorrect machine serial number may be notified to printer.	=> F/W has been changed to correct this phenomenon.

■ ITEM 3. Addition of maintenance mode **U471** (= Check LPH)

[Check Serial Number]

It is possible to check LPH serial number for each color.

[Pattern Output]

It is possible to output and check the pattern (different density band) for each color.

- [Pattern output] item has been added so that an LPH output check can be done even on a machine without controller.
- After outputting the pattern, if some problem occurs on the edge of bands or the shading on the front and back side of image, please rotate adjustment pin and make adjustment according to the description in [Adjusting the focus of the LED print head] chapter in Service Manual page 1-6-70.

Firmware Details II.

Type	Program No.	File Name (after decompressing)	Checksum
SCANNER	2BG2931BM	P2BG2931.BM0	7D58
ENGINE	2BG2932DP	P2BG2932.DP1	9E06
LANGUAGE E	2BG29345F	P2BG2934.5F2	2012

When upgrading firmware, please upgrade 3 types of firmware (SCANNER/ENGINE/LANGUAGE) to the newest version at the same time.

Affected Machine Serial Numbers:

KM-C2630/D (SCANNER [AL]): V3004511 and later
(Please note that certain machines with a lower serial number than above have also been already upgraded.)

KM-C2630/D (SCANNER [BM] / ENGINE [DP]): V3005312 and later