

# Service Bulletin

SB Number:	SB 2BJ-017	Issue Date: 24/10/2002
Subject:	Firmware upgrade (F/W for KM-4030, NW Scanner d-base connection)	
Model:	KM-2530 / 3530, KM-4030	

Please be informed that in compliance with the start of production of the new model **KM-4030**, the firmware for the KM-2530 / 3530 has been upgraded. As of now, the firmware used for the KM-2530/3530 is also applicable to the KM-4030. Please refer to the following contents of changes.

## F/W version for KM-2530/3530:

MAIN: 2BJ2913HU

MMI: 2BJ29280B

LANGUAGE: 2BJ29166H



## F/W version for KM-2530/3530 and KM-4030:

MAIN: **2BJ29271C**

MMI: **2BJ29281C**

LANGUAGE: **2BJ29300A**

## CONTENTS OF CHANGES

Main ROM: 2BJ2913HU → 2BJ27270B

1.

Please be informed that in compliance with the introduction of the new functionality '**KM-DF**' (**KM DOCUMENT FLOW**), the firmware for the KM-2530 / 3530 has been upgraded. After upgrading F/W, a new button called '**DATABASE CONNECTION**' will become visible on the network scanner display screen. With this new '**Database Connection**' button, the user is able to scan originals to a file server or database server etc. The users can easily select to which PC or server they wish to send their data to from the MFP operation panel. In order to be able to use the 'Database connection' function, either the scanner kit that supports KM-DF or the CD-ROM including KM-DF function (Scanner file utility) is required.

\* If the scanner kit supports 'KM-DF' function, '**KM-Document Flow**' is indicated on the exterior case.

\* Please use **SCANNER LIBRARY CD Ver. 2.51** to activate 'Database connection' function.

Item	Remarks
2	<p><b>U505</b> has been added in compliance with introduction of Network Scanner's new 'Database Connection' function</p> <p><b>U505:</b> 'Setting Database connection' Change to 'display' or no display' of 'Database Connection' button on the scanner screen. <b>ON</b> = 'Database connection' button is displayed. <b>OFF</b> = 'Database connection' button is not displayed.</p>
3	<p>Addition of <b>U937</b>. Model name setting / registration.</p> <p>With U937, model name can be registered so that it is indicated on web page of network scanner. <b>U937:</b> Select <b>**30</b> or <b>**31</b>. <b>**30:</b> KM-2530, KM-3530, KM-4030 <b>**31:</b> KM-2531, KM-3531, KM-4031 (Japan specs. only)</p>
4	<p>Change of default values and adjustment ranges. (after executing U020 (= 'Initializing all data'))</p> <p><b>U070</b> (= 'Adjusting the DF magnification') Default value changed to -3. <b>U072</b> (= 'Adjusting the DF center line') Default value changed to 15. <b>U071</b> (= 'Adjusting the DF scanning timing') DF leading edge registration changed from &lt;-32 to +32&gt; to &lt;-20 to +20&gt;. DF trailing edge registration is changed from &lt;-32 to +32&gt; to &lt;-20 to 0&gt;. Default setting of trailing edge registration changed to -10.</p>

Main ROM: 2BJ27270B → 2BJ27271C

5	Unusual auto density during centering copy (background with newspaper original).	<p><b>Phenomenon</b> Background may appear with a newspaper original (11"x15") if auto density control is set. Setting: A3, original 11"x15" size newspaper original Auto magnification (106%)</p> <p><b>Cause</b> If machine is specified to above settings, machine automatically performs 'image centering'. In the current auto density setting with above originals, the auto density processing is performed improperly when image centering. Thus, image background may appear.</p> <p><b>Countermeasure</b> If machine is centering, the start position of auto density process has been changed to a position that is 2 mm away from the end of the trailing edge margin.</p>
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MMI ROM: 2BJ2914DQ → 2BJ29280B

6	Changes to MMI Rom in compliance with item 1, 2 and 3.	
7	Message during E-mal transmission connection.	Software has been changed so that the message ' <b>Connecting</b> ' is indicated during E-mal transmission connection.
8	'Stop/Clear' key when machine is waiting for E-mail transmission connection.	Software has been changed so that when machine is waiting for E-mail transmission connection (when searching for SMTP server); the process can be ended with the 'Stop/Clear' key.
9	E-mails not registered in E-mail transmission address book	Up to now if there are E-mails not registered in the E-mail transmission address book and the 'To/Cc/Bcc' key is pressed, an error dialogue mentioning '20 mails over' is shown. However, software has been changed so that this key operation is prohibited by way of an error sound.
10	'Address unclear' E-mails to multiple destinations.	When sending E-mail via network scanner and some "address unclear" errors occur if transmitting to multiple destinations, the name of the destination on the error log is incorrect.
11	Network scanner prohibited letters	Software has been changed so that letters that are prohibited are grayed out on the letter input screen (keyboard screen) of network scanner.
12	Network scanner multiple scanning / duplex original mode	<p><b>Phenomenon</b> Network scanning and multiple scanning function + duplex original mode are set and a lateral original is used. If in above circumstances the transmission size is set to a setting except for auto detection, the message '<i>Original direction is not correct</i>' is indicated. After that transmission cannot be done.</p> <p><b>Correction</b> Software has been changed so that image rotation is permitted and transmission is available.</p>

# Service Bulletin

13	Machine does not restore from Saddle stitch setting even if setting is canceled.	<p><b>Phenomenon</b> If saddle stitch finisher is installed, booklet /saddle stitch is selected for copying and booklet screen is closed and re-opened, the saddle stitch mode is still selected.</p> <p><b>Correction</b> Software has been changed so that saddle stitch mode is released.</p>
14	E-mail West European language (iso-8859-1) <b>MIME</b> support	<p><b>Phenomenon</b> If letter code is set to "ISO-8859-1" at Web e-mail basic setting, some letters may not be indicated properly because the subject, text and signature of mail are not encoded.</p> <p><b>Correction</b> To prevent the phenomenon, software has been changed so that MIME encoding is performed in the above case.</p>
15	Log mail <b>MIME</b> support (MIME encoding of the subject, text and signature of e-mail)	<p><b>Phenomenon</b> Letter code of log mail is sent with "US-ASCII" regardless of letter code setting of Web E-mail basic setting.</p> <p><b>Correction</b> Software has been changed so that the subject, text and signature of e-mail are encoded according to Web E-mail basic setting (the value of letter code setting).</p>
16	<b>U255</b> (= 'Auto clear time') spec. change	<p><b>Change</b> Setting range of U255 has been changed as follows:  - Currently: steps of 30sec. → after change: steps of 10sec.  • After the end of copy (paper ejection), auto clear timing sets in.  • Prohibition terms of auto clear time count is changed.  'During engine drive', 'Fixing stabilization waiting' =&gt; no auto clear.</p>

**MMI ROM:** 2BJ29280B → 2BJ29281C

17	Unusual image when copying with binding margin setting.	<p><b>Phenomenon</b> When a one-sided to duplex copy is taken via the DF while left margin setting (9mm or more) is set, an unusual image may occur on the 2nd page (the back of 1st page) and 4th page (the back of 2nd page).</p> <p><b>Cause</b> In case of scanning, the binding margin is not taken into consideration.</p> <p><b>Correction</b> Software has been changed so that the data for binding margin is set and the unusual image will not occur.</p>
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**LANGUAGE ROM:** 2BJ29156H → 2BJ29290B

18	New display message	New message for <b>network fax function</b> and <b>network scanner database connection</b> function has been added.
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## F/W version overview

	MAIN	MMI	LANGUAGE E	Remarks
June, 2002	2BJ2913HU	2BJ2914DQ	2BJ29166H	
August, 2002	2BJ29271C	2BJ29281C	2BJ29300A	KM-4030: from 1st mass-production

	Program No.	File Name (After decompression)
MAIN	2BJ29271C	P2BJ2927.1C1
MMI	2BJ29281C	P2BJ2928.1C0
LANGUAGE E	2BJ29300A	P2BJ2930.0A2

Please upgrade firmware types (Main, MMI, Engine) at the same time as a set.

### Affected Machine Serial Numbers:

**MAIN** 2BJ29271C

**MMI** 2BJ29281C

from production of August, 2002 and later

**KM-2530:** H3024407 and later

**KM-3530:** J3023117 and later

**KM-4030:** N3000401 and later (first mass-production)