

Model: Model U-C1		Date: 2-Dec-02	No.: RB051002
Subject: Firmware History - Main Unit Controller		Prepared by: H.K.	
From: Technical Services sec. Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other (Firmware History)		

This is to inform you of the Main Unit Controller firmware history.

Part No. B0515550	Program name	Version	C.SUM	Production
M	B0515550M.bin	V1.332	6CEF	November Production '02'
L	-	V1.33	-	November Production '02
K	-	V1.29	-	Not applied to the production machines
J	-	V1.252	-	Not applied to the production machines
H	-	V1.251	-	Not applied to the production machines
G	-	V1.22	-	August production '02

August production serial numbers

B051-17: J2526800001 to J2526800023

B051-27: J2526800024 to J2526800043

B052-17: J2626800001 to J2626800042

B052-27: J2626800043 to J2626800061

**Note for updating main unit controller firmware of August production machines**

When the main unit controller firmware is updated from the August production machines to 1.332 or later for the first time, be sure to update BICU firmware to V1.204:1 or later at the same time. Refer to the BICU firmware history RTB for the copier firmware service card (RTB No.1).

Model: Model U-C1	Date: 2-Dec-02	No.: RB051002
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Main Unit Controller

Symptom Corrected	Version
The Wireless LAN card may not communicate with the printer when the WEP key is ON.	V1.332
Firmware correction for CSS function (Domestic version only)  Paper may not be fed with a certain application, by-pass feed, and N-job ON after a jam or paper end condition occurs and a jam or paper end condition is cleared.  SC819 is indicated after a copy job is finished with 'Store file' then, printing 'Stored file'.	V1.33
The following corrections have been made. The machine may freeze during printing in the following conditions: <ul style="list-style-type: none"> <li>Combine and page numbering mode.</li> <li>Original jam during printing in combine mode.</li> </ul> SP1-905-01 (pressure roller type) and Default value SP1-105 <b>0 : new pressure roller type (2.1mm)</b> , 1 : old pressure roller type (1.5mm) Refer to the BICU firmware history in the RTB for the service card (BICU: 1.202.01). Default value SP1-105 Some default values have been changed. Refer to the New Default table.  SP2-944-4 and -5 :(OPC Lubrication – High Coverage) The default settings for SP2-944-4 and -5 have been reviewed and changed to reduce the cycle of OPC lubrication mode. SP2-944-4 : Sheets-1 : [10 to 80/ <b>30</b> (old : 20) / 1sheet/step] SP2-944-5 : Sheets-2 : [10 to 80/ <b>60</b> (old : 40) / 1sheet/step]	V1.29
Default DHCP ON  Default Autonet OFF  New IC chip on the new wireless LAN option The IC chip on the new wireless LAN option has been changed (old chip discontinued). This version works with both the old IC chip and new IC chip on the wireless LAN option. Also, NIB version 3.54 or later is necessary when the new IC chip on the wireless LAN is installed.	V1.252
'@' & '_' keys in the touch screen As per a field request, the '@' and '_' keys are now displayed in the first touch screen.  Firmware correction for the CSS function (Domestic version only) SP7901 cannot be read through the CSS system.  Default and factory settings for SP2-310-001 to SP2-341-032 (paper transfer currents) and SP2-903-01P2-903-1: (Paper transfer Adjustment) have been changed. Refer to the BICU firmware history in the RTB for the service card (BICU: 1.192:01).  SP2-321-7 and -9: (Paper transfer bias of edge) The default settings have been changed from 1.0 to 0.8 to improve image quality in low temperature and low humidity conditions.	V1.251



Model: Model U-C1	Date: 2-Dec-02	No.: RB051002
SP2-905-01: (Paper transfer roller type) Refer to the BICU firmware history in the RTB for the service card (BICU: 1.192:01).		
First release		V1.22

**New defaults** (Old defaults are shown in brackets)

105*	Fusing Temperature	
1	Heating: Idling	Sets the temperature at which the heating roller starts idling. [100 ~ 180 / <b>145</b> / 1°C/step]
2	Heating: Ready	Sets the temperature at which the heating roller enters the print ready condition. [100 ~ 180 / <b>155</b> (165) / 1°C/step]
3	Heating: Standby	Sets the heating roller temperature for the ready (standby) condition. After the main switch has been turned on, the machine enters this condition when the heating roller temperature reaches the temperature specified in this SP mode. When the machine is recovering from energy saver or auto off mode, the machine becomes ready when both heat and pressure roller temperatures reach the specified temperature. Pressure roller: SP1-105-16 [100 ~ 180 / <b>160</b> (175) / 1°C/step ]
4	Heating: Plain/1 Color	Sets the heating roller temperature for thin paper in single-color mode. [120 ~ 190 / <b>155</b> (160) / 1°C/step]
5	Heating: Plain/Full Color	Sets the heating roller temperature for thin paper in full-color mode. [120 ~ 190 / <b>160</b> (170) / 1°C/step]
6	Heating: Middle Thick/1 Color	Sets the heating roller temperature for normal plain paper in single-color mode. [120 ~ 190 / <b>165</b> (170) / 1°C/step]
7	Heating: Middle Thick/Full Color	Sets the heating roller temperature for normal plain paper in full-color mode. [120 ~ 190 / <b>170</b> (180) / 1°C/step]
8	Heating: Thick/1 Color	Sets the heating roller temperature for thick paper in single-color mode. [120 ~ 190 / <b>165</b> (170) / 1°C/step]
9	Heating: Thick/Full Color	Sets the heating roller temperature for thick paper in full-color mode. [120 ~ 190 / <b>170</b> (175) / 1°C/step]
10	Heating: OHP/1 Color	Sets the heating roller temperature for OHP sheets in single-color mode. [120 ~ 190 / <b>165</b> (170) / 1°C/step]
11	Heating: OHP/Full Color	Sets the heating roller temperature for the OHP sheets in full-color mode. [120 ~ 190 / <b>175</b> (180) / 1°C/step]
12	Heating: Duplex/1 Color	Sets the heating roller temperature for duplex printing (both sides) in single-color mode. [120 ~ 190 / <b>150</b> (155) / 1°C/step]
105*	13	Heating: Duplex/Full Color Sets the heating roller temperature for duplex printing (both sides) in full-color mode. [120 ~ 190 / <b>155</b> (165) / 1°C/step]

Model: Model U-C1	Date: 2-Dec-02	No.: RB051002
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14	Pressure: Idling	Sets the temperature at which the pressure roller starts idling. [30 ~ 100 / <b>10</b> / 1°C/step]
15	Pressure: Ready	Sets the temperature at which the pressure roller becomes ready for printing. [60 ~ 150 / <b>65</b> (70) / 1°C/step]
16	Pressure: Standby	Sets the pressure roller temperature for the ready (standby) condition. After the main switch has been turned on, the machine enters this condition when the pressure roller temperature reaches the temperature specified in this SP mode. When the machine is recovering from energy saver or auto off mode, the machine becomes ready when both heat and pressure roller temperatures reach the specified temperature. Heating roller: SP1-105-3 [60 ~ 150 / <b>115</b> (120) / 1°C/step]
27	Heating: OFFSET +	Sets the heating roller temperature correction for when room temperature is 15°C or lower. [0 ~ 20 / <b>5</b> / 1°C/step]
28	Pressure: OFFSET +	Sets the pressure roller temperature correction for when room temperature is 15°C or lower. [0 ~ 20 / <b>0</b> / 1°C/step]
29	Heat: OFFSET -	Sets the heating roller temperature correction for when room temperature is 30°C or higher. [0 ~ 20 / <b>5</b> / 1°C/step]
30	Pressure: OFFSET -	Sets the pressure roller temperature correction for when room temperature is 30°C or higher. [0 ~ 20 / <b>0</b> / 1°C/step]

Model: General RTB		Date: 27-Dec-02	No.: RGene012
Subject: GW Products - Hardware Ethernet Problem		Prepared by: T. Itoh	
From: Technical Services Sec. Service Planning Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other (      )		

## SYMPTOM

When the main switch is turned on, the error message “Hardware Ethernet Problem” may be displayed under the following condition on the GW-based products.

Conditions:

- Network speed on the hub has been set to 100Mbps fixed with full duplex, and
- Length of network cable is too long (60 m or more) or the cable quality is not good enough

## CAUSE

When the main switch is turned on, the machine performs a loop-back test. If the cable length is too long or its quality is not good enough, the damping factor for the data transmission becomes worse, and the machine incorrectly detects an error during this test. This happens only when the network speed is set to 100Mbps fixed with full duplex. The PHY chip used on the controller board causes this.

## SOLUTION

- Temporary Solution -

- Set the network speed on the hub to Auto-sensing,
- Use a shorter cable or a cable with a lower damping factor, or
- Disconnect the network cable and power on the printer; then, set the cable after the printer comes to the ready condition.

- Permanent Solution -

The controller firmware will be modified to avoid the incorrect detection of this error message. The schedule of firmware modification is as follows.

Product Type	Product	Firmware Modification Cut-in Schedule
Fax	Kaiser 3	at next modification
Printer	Model-K P1	
	Model-K P2	
	Model-J P1b	
	Model-J CF	
	Model-U P1e	'03 January production run
	Model-A P3	'03 March production run
MFP	Model-R C2	at next modification run
	Model-A C2	
	Model-M C1	
	Model-U C1	'03 February production run

### NOTE:

Firmware will be posted in the usual manner when it is released.

Reissued: 25-Feb-03

Model: Model U-C1	Date: 2-Dec-02	No.: RB051002a
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### RTB Reissue

The items in bold italics have been added or changed.

Subject: Firmware History - Main Unit Controller		Prepared by: H.K.	
From: Technical Services Sec. Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other (Firmware History)		

This is to inform you of the Main Unit Controller firmware history.

Part No. B0515550	Program name	Version	C.SUM	Production
<b><i>Q</i></b>	<b><i>B0515550Q.bin</i></b>	<b><i>V2.01.2</i></b>	<b><i>0F04</i></b>	<b><i>March Production '03</i></b>
<b><i>P</i></b>	<b><i>B0515550N.bin</i></b>	<b><i>V2.00.1</i></b>	<b><i>E2B8</i></b>	<b><i>February Production '03</i></b>
<b><i>N</i></b>	<b><i>B0515550N.bin</i></b>	<b><i>V1.39</i></b>	-	<b><i>December Production 02'</i></b>
M	B0515550M.bin	V1.332	6CEF	November Production 02'
L	-	V1.33	-	November Production '02
K	-	V1.29	-	Not applied to the production machines
J	-	V1.252	-	Not applied to the production machines
H	-	V1.251	-	Not applied to the production machines
G	-	V1.22	-	August production '02

August production serial numbers

B051-17: J2526800001 to J2526800023

B051-27: J2526800024 to J2526800043

B052-17: J2626800001 to J2626800042

B052-27: J2626800043 to J2626800061

### Note for updating main unit controller firmware of August production machines

When the main unit controller firmware is updated from the August production machines to 1.332 or later for the first time, be sure to update BICU firmware to V1.204:1 or later at the same time. Refer to the BICU firmware history RTB for the copier firmware service card (RTB No.1).

Reissued: 25-Feb-03

Model: Model U-C1	Date: 2-Dec-02	No.: RB051002a
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Main Unit Controller

Symptom Corrected	Version
<p><b>Specificaiton change :</b>  <i>The counter specifications have been changed, as described in RTB # RGene013.</i></p> <p><b>MLB minor bug correction.</b></p> <p><b>Supports the MLB function</b></p> <p><b>SP mode newly added: SP2-801-03 (Additional Value of the charge corona cleaning interval). Refer to RTB #RB051001b for the copier firmware history.</b></p> <p><b>Minor bug correction.</b></p>	<p>V2.01.2</p> <p>V2.00.1</p> <p>V1.39</p>
<p>Wireless LAN card may not communicate with the printer when the WEP key is ON.</p>	V1.332
<p>Firmware correction for CSS function (Domestic version only)</p> <p>Paper may not be fed with a certain application, by-pass feed, and N-job ON after a jam or paper end condition occurs and a jam or paper end condition is cleared.</p> <p>SC819 is indicated after a copy job is finished with 'Store file' then, printing 'Stored file'.</p>	V1.33
<p>The following corrections have been made.</p> <p>Machine may freeze during printing in the following conditions:            Combine and page numbering mode.            Original jam during printing in combine mode.</p> <p>SP1-905-01 (pressure roller type) and Default value SP1-105  <b>0 : new pressure roller type (2.1mm)</b>, 1 : old pressure roller type (1.5mm)            Refer to the BICU firmware history in the RTB for the service card (BICU: 1.202.01).            Default value SP1-105            Some default values have been changed. Refer to the New Default table.</p> <p>SP2-944-4 and -5 :(OPC Lubrication – High Coverage)            The default settings for SP2-944-4 and -5 have been reviewed and changed to reduce the cycle of OPC lubrication mode.            SP2-944-4 : Sheets-1 : [10 to 80/ <b>30</b> (old : 20) / 1sheet/step]            SP2-944-5 : Sheets-2 : [10 to 80/ <b>60</b> (old : 40) / 1sheet/step]</p>	V1.29
<p>Default DHCP ON</p> <p>Default Autonet OFF</p> <p>New IC chip on the new wireless LAN option            The IC chip on the new wireless LAN option has been changed (old chip discontinued). This version works with both the old IC chip and new IC chip on the wireless LAN option. Also NIB version 3.54 or later is necessary when the new IC chip on the wireless LAN is installed.</p>	V1.252

Reissued: 25-Feb-03

Model: Model U-C1	Date: 2-Dec-02	No.: RB051002a
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Symptom Corrected	Version
<p>'@' &amp; '_' keys in the touch screen As per a field request, the '@' and '_' keys are now displayed in the first touch screen.</p> <p>Firmware correction for CSS function (Domestic version only) SP7901 cannot be read through CSS system.</p> <p>Default and factory settings for SP2-310-001 to SP2-314-032 (paper transfer currents) and SP2-903-01 (Paper transfer Adjustment) have been changed. Refer to the BICU firmware history in the RTB for the service card (BICU: 1.192:01).</p> <p>SP2-321-7 and -9: (Paper transfer bias of edge) The default settings have been changed from 1.0 to 0.8 to improve image quality in low temperature and low humidity conditions.</p> <p>SP2-905-01: (Paper transfer roller type) Refer to the BICU firmware history in the RTB for the service card (BICU: 1.192:01).</p>	<p>V1.251</p>
First release	V1.22

### New defaults (Old default)

105*	Fusing Temperature	
1	Heating: Idling	Sets the temperature at which the heating roller starts idling. [100 ~ 180 / <b>145</b> / 1°C/step]
2	Heating: Ready	Sets the temperature at which the heating roller enters the print ready condition. [100 ~ 180 / <b>155</b> (165) / 1°C/step]
3	Heating: Standby	Sets the heating roller temperature for the ready (standby) condition. After the main switch has been turned on, the machine enters this condition when the heating roller temperature reaches the temperature specified in this SP mode. When the machine is recovering from energy saver or auto off mode, the machine becomes ready when both heat and pressure roller temperatures reach the specified temperature. Pressure roller: SP1-105-16 [100 ~ 180 / <b>160</b> (175) / 1°C/step ]
4	Heating: Plain/1 Color	Sets the heating roller temperature for thin paper in single-color mode. [120 ~ 190 / <b>155</b> (160) / 1°C/step]
5	Heating: Plain/Full Color	Sets the heating roller temperature for thin paper in full-color mode. [120 ~ 190 / <b>160</b> (170) / 1°C/step]
6	Heating: Middle Thick/1 Color	Sets the heating roller temperature for normal plain paper in single-color mode. [120 ~ 190 / <b>165</b> (170) / 1°C/step]
7	Heating: Middle Thick/Full Color	Sets the heating roller temperature for normal plain paper in full-color mode. [120 ~ 190 / <b>170</b> (180) / 1°C/step]



**Reissued: 25-Feb-03**

Model: Model U-C1	Date: 2-Dec-02	No.: RB051002a
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105*	Fusing Temperature		
	8	Heating: Thick/1 Color	Sets the heating roller temperature for thick paper in single-color mode. [120 ~ 190 / <b>165</b> (170) / 1°C/step]
	9	Heating: Thick/Full Color	Sets the heating roller temperature for thick paper in full-color mode. [120 ~ 190 / <b>170</b> (175) / 1°C/step]
	10	Heating: OHP/1 Color	Sets the heating roller temperature for OHP sheets in single-color mode. [120 ~ 190 / <b>165</b> (170) / 1°C/step]
	11	Heating: OHP/Full Color	Sets the heating roller temperature for the OHP sheets in full-color mode. [120 ~ 190 / <b>175</b> (180) / 1°C/step]
	12	Heating: Duplex/1 Color	Sets the heating roller temperature for duplex printing (both sides) in single-color mode. [120 ~ 190 / <b>150</b> (155) / 1°C/step]
105*	13	Heating: Duplex/Full Color	Sets the heating roller temperature for duplex printing (both sides) in full-color mode. [120 ~ 190 / <b>155</b> (165) / 1°C/step]
	14	Pressure: Idling	Sets the temperature at which the pressure roller starts idling. [30 ~ 100 / <b>10</b> / 1°C/step]
	15	Pressure: Ready	Sets the temperature at which the pressure roller becomes ready for printing. [60 ~ 150 / <b>65</b> (70) / 1°C/step]
	16	Pressure: Standby	Sets the pressure roller temperature for the ready (standby) condition. After the main switch has been turned on, the machine enters this condition when the pressure roller temperature reaches the temperature specified in this SP mode. When the machine is recovering from energy saver or auto off mode, the machine becomes ready when both heat and pressure roller temperatures reach the specified temperature. Heating roller: SP1-105-3 [60 ~ 150 / <b>115</b> (120) / 1°C/step]
	27	Heating: OFFSET +	Sets the heating roller temperature correction for when room temperature is 15°C or lower. [0 ~ 20 / <b>5</b> / 1°C/step]
	28	Pressure: OFFSET +	Sets the pressure roller temperature correction for when room temperature is 15°C or lower. [0 ~ 20 / <b>0</b> / 1°C/step]
	29	Heat: OFFSET -	Sets the heating roller temperature correction for when room temperature is 30°C or higher. [0 ~ 20 / <b>5</b> / 1°C/step]
	30	Pressure: OFFSET -	Sets the pressure roller temperature correction for when room temperature is 30°C or higher. [0 ~ 20 / <b>0</b> / 1°C/step]

Model: Model U-C1		Date: 25-Feb-03	No.: RB051005
Subject: Firmware History - Printer		Prepared by: S. Tomoe	
From: Technical Services Sec. Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other (Firmware History)		

This is to inform you of the Printer firmware history (Printer, NCS, NFA, and Delivery).

**Printer Service Card**

Version	Program No.	C. SUM	Effective Date
1.00	B4635570	CE7B	August Production '02
1.01	B4635570A	079D	Not apply to the production machine
1.02	B4635570B	0784	
1.03	B4635570C	393F	October Production '02
1.04	B4635570D	22B9	January Production '03
2.00	B4635570E	59C1	February Production '03

**Contents for all models:**

Ver.	Printer		NCS (NIB)		NFA		Delivery	
	Program No.	Ver.	Program No.	Ver	Program No.	Ver	Program No	Ver
1.00	B4635550B	1.09	B0535552B	3.53	B0535553B	1.26	B0535554B	1.01
1.01	B4635550B	1.09	B0535552C	3.54	B0535553C	1.27	B0535554C	1.05
1.02	B4635550D	1.29	B0535552D	3.55	B0535553C	1.27	B0535554D	1.13
1.03	B4635550E	1.33	B0535552D	3.55	B0535553C	1.27	B0535554E	1.15
1.04	B4635550F	1.33.3	B0535552D	3.55	B0535553C	1.27	B0535554E	1.15
2.00	B4635550G	2.00	B0535552E	3.70	B0535553D	1.66	B0535554F	2.00

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005
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Printer:

Symptom Corrected	Version	
Duplex face settings (front/rear) not applied correctly when specified with PCL commands. (GFPR #RC02120014)	2.00	
Binding position not applied correctly when specified with PCL commands (GFPR#: RC03020001)		
CAD print files: - Modified so that the "null" character is ignored when it is included in HP/GL2 data to increase speed (GFPR# RE02050016). - The status flag for the bold selection command is refreshed when it is selected for HP/GL2 data (GFPR# RE02050016).		
The following image problem may occur in Black Overprint mode. 1. The image is blank around Bk figures 2. Gradation images will not print		
Supports the Card Save function. Note: To enable this function, set Printer SP1-1 Bit SW1, bit 4 to "1".		
Selecting a HDD font or DIMM font may reduce available memory		
Supports SAP Barcode & OCR printing.		
The PCL command "<ESC>&l11G" (select MailBoxBin8 as output tray) does not work correctly. (GFPR#: RE02100002)		
The RAM work area is reduced whenever fonts that have been downloaded to the HDD are used.		1.33.3
Response to PJI INFO CONFIG command does not include a serial number.		
Figures appear black when the memory capacity is low.	1.33	
When selecting font stored in the HDD and running the Copy/Assign command (ESC>*c6F), the machine will freeze.		
When selecting the Bitmapped Font, the character "0" does not print.		
When printing UDFP large-size (over printable size), the image will be shifted.		
The machine freezes when printing Macro data.		
The value for Form Lines (PCL Menu) changes after rebooting the machine.		
The software version for the printer applications does not appear on the SMC list or in SP mode.		
PJI Echo does not respond correctly. (GFPR# RE02070088)		
When inputting the elapsed time (time setting), the machine does not enter On Line mode.	1.29	
First release	1.09	

NCS (NIB):

Symptom Corrected	Version
When TCP/IP is disabled as the Effective Protocol in UP mode, the program version and NCS number will not be displayed in SP mode or on the SMC list	3.70
The following functions are added for SMTP E-mail transmission. SMTP Authentication POP before SMTP	
Supports the new IC chip on the new wireless LAN option (old chip discontinued)	3.55
TCP ports can be opened/closed. NOTE: After disabling HTTP, it is not possible to access the target device through web browser. To change the setting, please use telnet to open HTTP. When the telnet port is disabled, it is necessary to clear the network settings (Memory Clear for NCS) to open the port.	
Changed default setting of Autonet to OFF	
Changed default setting of DHCP to ON.	
Changed default setting of "diprint" to Enabled.	3.54
First release	3.53

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005
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NFA:

Symptom Corrected	Version
Supports the File Format Converter (MLB) function	1.66
Following delivery, the next Rx document cannot be delivered to the server, even if the machine is connected to the server.	1.27
The does not enter the auto off mode after the waiting Rx document for delivery has been delted.	
First release	1.26

Delivery:

Symptom Corrected	Version
Supports the File Format Converter (MLB) function	2.00
Minor delivery module bug.	1.15
Operation flow for multiple scanning in platen mode improved.	1.13
If the operation SW is pressed while the machine is scanning the third set of 2000 originals (SADF mode), the machine goes into auto off mode.	1.05
First release	1.01

Model: Model U-C1		Date: 25-Feb-03	No.: RB051006
Subject: Firmware History - Scanner/PS3		Prepared by: Y.Urushihara	
From: Technical Services Sec. Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other (Firmware History)		

This is to inform you of the Scanner/PS3 firmware history

Contents for all models:

PS		Scanner		C.SUM	Effective Date
Program No.	Ver	Program No	Ver		
B5225917B	1.00	B0725551B	1.02	273C	August Prod. '02
B5225917B	1.00	B0725551C	1.05	94BD	Not apply to the production machine
B5225917E	1.04	B0725551D	1.13	39A4	
B5225917E	1.04	B0725551E	1.15	4CD6	October Prod. '02
B5225917F	1.06	B0725551E	1.15	51D4	January Prod. '03
B5225917F	1.06	B0725551F	2.00	F4A6	February Prod. '03

Scanner:

Symptom Corrected	Version
Supports the File Format Converter (MLB) function	2.00
Minor bug with delivery module.	1.15
Operation flow for multiple scanning in platen mode improved.	1.13
Scanning stops while scanning with the TWAIN driver for printer output.	
If the operation SW is pressed while the machine is scanning the third set of 2000 originals (SADF mode), the machine goes into auto off mode.	1.05
First release	1.02

PS3:

Symptom Corrected	Version
With MKY images, the total quantity regulation and gamma processing is not performed correctly.	1.06
Color processing bug with RCM color profile.	
Incorrect polling with halftone and profile settings	
Total quantity regulation not applied to text.	
Image is stalled without gamma processing.	
Default halftone setting changed from type1 to type5.	
Image problem with indexed color space.	
Modified for Adobe certification	
Modified to support ctlz.	1.04

Model: Model U-C1	Date: 25-Feb-03	No.: RB051006
Symptom Corrected		Version
Modified job information character string.		
The panel displays remaining jobs reset when a memory over flow occurs.		
Problem with Dither cash.		
Improved PS 600dpi word/picture dither combination quality.		
Euro currency symbol does not print out.		
Size mismatch when printing a custom size with a main tray.		
Communication with Printer Utility for MAC OSX not possible		
Stall with certain Acrobat files.		
Modified so that the “^D^Z” tag at the end of files is not processed.		
Modified so that a job reset occurs when illegal parameters are received for Locked Print jobs.		
Image problem when not specifying Rcsethalfonetype.		
First release		1.00

Reissued: 26-Mar-03

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005a
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### RTB Reissue

The items in bold italics have been added.

Subject: Firmware History - Printer		Prepared by: S. Tomoe	
From: Technical Services Sec. Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other (Firmware History)		

Printer firmware history (Printer, NCS, NFA, and Delivery).

### Printer Service Card

Version	Program No.	C. SUM	Effective Date
1.00	B4635570	CE7B	August Production '02
1.01	B4635570A	079D	Not apply to the production machine
1.02	B4635570B	0784	
1.03	B4635570C	393F	October Production '02
1.04	B4635570D	22B9	January Production '03
2.00	B4635570E	59C1	February Production '03
<b>2.01</b>	<b><i>B4635570F</i></b>	<b><i>E9D4</i></b>	<b><i>March Production '03</i></b>

Contents for all models:

Ver.	Printer		NCS (NIB)		NFA		Delivery	
	Program No.	Ver.	Program No.	Ver	Program No.	Ver	Program No	Ver
1.00	B4635550B	1.09	B0535552B	3.53	B0535553B	1.26	B0535554B	1.01
1.01	B4635550B	1.09	B0535552C	3.54	B0535553C	1.27	B0535554C	1.05
1.02	B4635550D	1.29	B0535552D	3.55	B0535553C	1.27	B0535554D	1.13
1.03	B4635550E	1.33	B0535552D	3.55	B0535553C	1.27	B0535554E	1.15
1.04	B4635550F	1.33.3	B0535552D	3.55	B0535553C	1.27	B0535554E	1.15
2.00	B4635550G	2.00	B0535552E	3.70	B0535553D	1.66	B0535554F	2.00
<b>2.01</b>	<b><i>B4635550H</i></b>	<b>2.01</b>	B0535552E	3.70	B0535553D	1.66	B0535554F	2.00

**Reissued: 26-Mar-03**

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005a
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**Note:**

***Whenever updating any of the firmware types in Service Card v.104 or earlier to any of those in v2.00 or later, all types must all be updated at the same time to the versions below. In other words, individual updates cannot be performed in these cases.***

<b>No.</b>	<b>Software Type</b>	<b>Version</b>	<b>Service card version</b>
<b>1</b>	<b>Controller</b>	<b>2.01.2</b>	<b>Controller ver. 2.01.2</b>
<b>2</b>	<b>Fax</b>	<b>2.00</b>	<b>BICU-Fax ver. 1.08</b>
<b>3</b>	<b>Printer</b>	<b>2.01</b>	<b>Printer ver. 2.01</b>
<b>4</b>	<b>NIB</b>	<b>3.07</b>	<b>Printer ver. 2.00</b>
<b>5</b>	<b>NFA</b>	<b>1.66</b>	<b>Printer ver. 2.00</b>
<b>6</b>	<b>Scanner</b>	<b>2.00</b>	<b>S2.00_PS1.06</b>
<b>7</b>	<b>Delivery</b>	<b>2.00</b>	<b>Printer ver. 2.00</b>
<b>8</b>	<b>BICU</b>	<b>1.242</b>	<b>BICU-Fax ver. 1.08</b>



Reissued: 26-Mar-03

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005a
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Printer:

Symptom Corrected	Version
<b>Supports KS/KSSM Emulation (for Korea).</b>	<b>2.01</b>
Duplex face settings (front/rear) not applied correctly when specified with PCL commands. (GFPR #RC02120014)	2.00
Binding position not applied correctly when specified with PCL commands (GFPR#: RC03020001)	
CAD print files: - Modified so that the "null" character is ignored when it is included in HP/GL2 data to increase speed (GFPR# RE02050016). - The status flag for the bold selection command is refreshed when it is selected for HP/GL2 data (GFPR# RE02050016).	
The following image problem may occur in Black Over Print mode. 1. The image is blank around Bk figures 2. Gradation images will not print	
Supports the Card Save function. Note: To enable this function, set Printer SP1-1 Bit SW1, bit 4 to "1".	
Selecting HDD font or DIMM font may reduce available memory	
Supports SAP Barcode & OCR printing.	
PCL command "<ESC>&I11G" (select MailBoxBin8 as output tray) does not work correctly. (GFPR#: RE02100002)	
The RAM work area is reduced whenever fonts that have been downloaded to the HDD are used.	1.33.3
Response to PJI INFO CONFIG command does not include serial number.	
Figures appear black when the memory capacity is low.	1.33
When selecting font stored in the HDD and running the Copy/Assign command (ESC>*c6F), the machine will freeze.	
When selecting the Bitmapped Font, the character "0" does not print.	
When printing UDFP large-size (over printable size), the image will be shifted.	
The machine freezes when printing Macro data.	
The value for Form Lines (PCL Menu) changes after rebooting the machine.	
The software version for the printer applications does not appear on the SMC list or in SP mode.	
PJL Echo does not respond correctly. (GFPR# RE02070088)	1.29
When inputting the elapsed time (time setting), the machine does not enter On Line mode.	
First release	1.09

NCS (NIB):

Symptom Corrected	Version
When TCP/IP is disabled as the Effective Protocol in UP mode, the program version and NCS number will not be displayed in SP mode or on the SMC list	3.70
The following functions are added for SMTP E-mail transmission. SMTP Authentication POP before SMTP	
Supports the new IC chip on the new wireless LAN option (old chip discontinued)	3.55
TCP ports can be opened/closed. NOTE: After disabling HTTP, it is not possible to access the target device through web browser. To change the setting, please use telnet to open HTTP. When the telnet port is disabled, it is necessary to clear the network settings (Memory Clear for NCS) to open the port.	
Changed default setting of Autonet to OFF	
Changed default setting of DHCP to ON.	
Changed default setting of "diprint" to Enabled.	3.54
First release	3.53

**Reissued: 26-Mar-03**

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005a
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NFA:

Symptom Corrected	Version
Supports File Format Converter (MLB) function	1.66
Following delivery, the next Rx document cannot be delivered to the server, even if the machine is connected to the server.	1.27
The does not enter the auto off mode after the waiting Rx document for delivery has been delted.	
First release	1.26

Delivery:

Symptom Corrected	Version
Supports the File Format Converter (MLB) function	2.00
Minor delivery module bug.	1.15
Operation flow for multiple scanning in platen mode improved.	1.13
If the operation SW is pressed while the machine is scanning the third set of 2000 originals (SADF mode), the machine goes into auto off mode.	1.05
First release	1.01

Reissued: 22-Aug-03

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005b
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### RTB Reissue

The items in bold italics have been added.

Subject: Firmware History - Printer		Prepared by: H.K	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other (Firmware History)		

This is to inform you of the Printer firmware history (Printer, NCS, NFA, and Delivery).

### Printer Service Card

Version	Program No.	C. SUM	Effective Date
1.00	B4635570	CE7B	August Production '02
1.01	B4635570A	079D	Not apply to the production machine
1.02	B4635570B	0784	
1.03	B4635570C	393F	October Production '02
1.04	B4635570D	22B9	January Production '03
2.00	B4635570E	59C1	February Production '03
2.01	B4635570F	E9D4	March Production '03
<b>2.01.4</b>	<b>B4635570G</b>	<b>90F9</b>	<b>April production '03</b>
<b>2.02</b>	<b>B4635570H</b>	<b>7022</b>	<b>July production '03</b>
<b>2.02.2</b>	<b>B4635570J</b>	<b>117C</b>	<b>August Production '03</b>

Contents for all models:

Ver.	Printer		NCS (NIB)		NFA		Delivery	
	Program No.	Ver.	Program No.	Ver	Program No.	Ver	Program No	Ver
1.00	B4635550B	1.09	B0535552B	3.53	B0535553B	1.26	B0535554B	1.01
1.01	B4635550B	1.09	B0535552C	3.54	B0535553C	1.27	B0535554C	1.05
1.02	B4635550D	1.29	B0535552D	3.55	B0535553C	1.27	B0535554D	1.13
1.03	B4635550E	1.33	B0535552D	3.55	B0535553C	1.27	B0535554E	1.15
1.04	B4635550F	1.33.3	B0535552D	3.55	B0535553C	1.27	B0535554E	1.15
2.00	B4635550G	2.00	B0535552E	3.70	B0535553D	1.66	B0535554F	2.00
2.01	B4635550H	2.01	B0535552E	3.70	B0535553D	1.66	B0535554F	2.00
2.01.4	B4635550H	2.01	<b>B0535552F</b>	<b>3.72</b>	B0535553D	1.66	<b>B0535554G</b>	<b>2.02</b>
2.02	B463555H	2.01	<b>B0535552G</b>	<b>3.73</b>	<b>B0535553E</b>	<b>1.67</b>	<b>B0535554H</b>	<b>2.03</b>
<b>2.02.2</b>	<b>B4635550H</b>	<b>2.01.2</b>	<b>B0535552G</b>	<b>3.73</b>	<b>B0535553E</b>	<b>1.67</b>	<b>B0535554H</b>	<b>2.03</b>

**Reissued: 22-Aug-03**

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005b
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Note:

Whenever updating any of the firmware types in Service Card v.104 or earlier to any of those in v2.00 or later, all types must all be updated at the same time to the versions below. In other words, individual updates cannot be performed in these cases.

No.	Software Type	Version	Service card version
1	Controller	2.01.2	Controller ver. 2.01.2
2	Fax	2.00	BICU-Fax ver. 1.08
3	Printer	2.01	Printer ver. 2.01
4	NIB	3.07	Printer ver. 2.00
5	NFA	1.66	Printer ver. 2.00
6	Scanner	2.00	S2.00_PS1.06
7	Delivery	2.00	Printer ver. 2.00
8	BICU	1.242	BICU-Fax ver. 1.08

Reissued: 22-Aug-03

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005b
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Printer:

Symptom Corrected	Version
<b>Merged PCL job cannot print (TechMail #TS030100).</b>	2.02
Supports KS/KSSM Emulation (for Korea).	2.01
Duplex face settings (front/rear) not applied correctly when specified with PCL commands. (GFPR #RC02120014)	2.00
Binding position not applied correctly when specified with PCL commands (GFPR#: RC03020001)	
CAD print files: - Modified so that the "null" character is ignored when it is included in HP/GL2 data to increase speed (GFPR# RE02050016). - The status flag for the bold selection command is refreshed when it is selected for HP/GL2 data (GFPR# RE02050016).	1.33.3
The following image problem may occur in Black Over Print mode. 1. The image is blank around Bk figures 2. Gradation images will not print	
Supports the Card Save function. Note: To enable this function, set Printer SP1-1 Bit SW1, bit 4 to "1".	
Selecting HDD font or DIMM font may reduce available memory	
Supports SAP Barcode & OCR printing.	
PCL command "<ESC>&l11G" (select MailBoxBin8 as output tray) does not work correctly. (GFPR#: RE02100002)	
The RAM work area is reduced whenever fonts that have been downloaded to the HDD are used.	
Response to PJL INFO CONFIG command does not include serial number.	
Figures appear black when the memory capacity is low.	
When selecting font stored in the HDD and running the Copy/Assign command (ESC>*c6F), the machine will freeze.	
When selecting the Bitmapped Font, the character "0" does not print.	1.33
When printing UDFP large-size (over printable size), the image will be shifted.	
The machine freezes when printing Macro data.	
The value for Form Lines (PCL Menu) changes after rebooting the machine.	
The software version for the printer applications does not appear on the SMC list or in SP mode.	
PJL Echo does not respond correctly. (GFPR# RE02070088)	
When inputting the elapsed time (time setting), the machine does not enter On Line mode.	
First release	1.09

NCS (NIB):

Symptom Corrected	Version
<b>SC819 occurs after continuously receiving damaged packets from NetBEUI.</b>	3.73
<b>Default for DHCP changed to: ON.</b>	3.72
<b>Default for Autonet changed to: OFF.</b>	
<b>Communication between the LAN card and printer in 802.11adhoc mode is sometimes terminated when the condition of the EM waves remains constant.</b>	3.70
When TCP/IP is disabled as the Effective Protocol in UP mode, the program version and NCS number will not be displayed in SP mode or on the SMC list	
The following functions are added for SMTP E-mail transmission. SMTP Authentication POP before SMTP	
Supports the new IC chip on the new wireless LAN option (old chip discontinued)	3.55

Reissued: 22-Aug-03

Model: Model U-C1	Date: 25-Feb-03	No.: RB051005b
Symptom Corrected		Version
TCP ports can be opened/closed. NOTE: After disabling HTTP, it is not possible to access the target device through web browser. To change the setting, please use telnet to open HTTP. When the telnet port is disabled, it is necessary to clear the network settings (Memory Clear for NCS) to open the port.		
Changed default setting of Autonet to OFF		
Changed default setting of DHCP to ON.		
Changed default setting of "diprint" to Enabled.		3.54
First release		3.53

NFA:

Symptom Corrected		Version
<b><i>The machine sometimes does not enter Auto Off mode when the operation switch is turned OFF following DeskTopBinder capturing, fax reception or remote delivery.</i></b>		<b>1.67</b>
Supports File Format Converter (MLB) function		1.66
Following delivery, the next Rx document cannot be delivered to the server, even if the machine is connected to the server.		1.27
The does not enter the auto off mode after the waiting Rx document for delivery has been delted.		
First release		1.26

Delivery:

Symptom Corrected		Version
<b><i>A file full condition may occur following repeated connections to the POP server with APOP auto connection.</i></b>		<b>2.03</b>
<b><i>An attached file is sometimes delivered as a text file.</i></b>		<b>2.02</b>
Supports the File Format Converter (MLB) function		2.00
Minor delivery module bug.		1.15
Operation flow for multiple scanning in platen mode improved.		1.13
If the operation SW is pressed while the machine is scanning the third set of 2000 originals (SADF mode), the machine goes into auto off mode.		1.05
First release		1.01

Reissued: 12-Sep-03

Model: Model U-C1	Date: 25-Feb-03	No.: RB051006a
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### RTB Correction

The items in bold italics have been corrected or added.

Subject: Firmware History - Scanner/PS3		Prepared by: H.K.	
From: Technical Services Sec. Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other (Firmware History)		

This is to inform you of the Scanner/PS3 firmware history

Contents for all models:

PS		Scanner		C.SUM	Effective Date
Program No.	Ver	Program No	Ver		
B5225917B	1.00	B0725551B	1.02	273C	August Prod. '02
B5225917B	1.00	B0725551C	1.05	94BD	Does not apply to the production machine
B5225917E	1.04	B0725551D	1.13	39A4	
B5225917E	1.04	B0725551E	1.15	4CD6	October Prod. '02
B5225917F	1.06	B0725551E	1.15	51D4	January Prod. '03
B5225917F	1.06	B0725551F	2.00	F4A6	February Prod. '03
<b><i>B5225917F</i></b>	<b><i>1.06</i></b>	<b><i>B0725551G</i></b>	<b><i>2.02</i></b>	<b><i>3A23</i></b>	<b><i>April Pro. '03</i></b>
<b><i>B5225917G</i></b>	<b><i>1.06</i></b>	<b><i>B0725551G</i></b>	<b><i>2.03</i></b>	<b><i>B31D</i></b>	<b><i>July Prod. '03</i></b>
<b><i>B5225917H</i></b>	<b><i>1.08</i></b>	<b><i>B0725551G</i></b>	<b><i>2.03</i></b>	<b><i>9E96</i></b>	<b><i>August Prod. '03</i></b>

Scanner:

Symptom Corrected	Version
<b><i>File full condition may occur following repeated connections to the POP server with APOP auto connection.</i></b>	2.03
<b><i>Some Korean and Russian characters appear garbled on the SMC report.</i></b>	
<b><i>An attached file is sometimes delivered as a text file.</i></b>	2.02
Supports the File Format Converter (MLB) function	2.00
Minor bug with delivery module.	1.15
Operation flow for multiple scanning in platen mode improved.	1.13
Scanning stops while scanning with the TWAIN driver for printer output.	
If the operation SW is pressed while the machine is scanning the third set of 2000 originals (SADF mode), the machine goes into auto off mode.	1.05
First release	1.02

Reissued: 12-Sep-03

Model: Model U-C1	Date: 25-Feb-03	No.: RB051006a
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PS3:

Symptom Corrected	Version
<b><i>The PS logo color printed on the PS configuration sheet appeared slightly blue. It should be red.</i></b>	<b>1.08</b>
<b><i>The black over print mode sometimes does not work correctly.</i></b>	
With MKY images, the total quantity regulation and gamma processing is not performed correctly.	1.06
Color processing bug with RCM color profile.	
Incorrect polling with halftone and profile settings	
Total quantity regulation not applied to text.	
Image stalls without gamma processing.	
Default halftone setting changed from type1 to type5.	
Image problem with indexed color space.	
Modified for Adobe certification	
Modified to support ctlz.	1.04
Modified job information character string.	
The panel displays remaining jobs reset when memory over flow occurs.	
Problem with Dither cash.	
Improved PS 600dpi word/picture dither combination quality.	
Euro currency symbol does not print out.	
Size mismatch when printing a custom size with a main tray.	
Communication with Printer Utility for MAC OSX not possible	
Stall with certain Acrobat files.	
Modified so that the “^D^Z” tag at the end of files is not processed.	
Modified so that a job reset occurs when illegal parameters are received for Locked Print jobs.	
Image problem when not specifying Rcsethalftonetype.	
First release	1.00