

Program Release Information

CSES-ID-No. DLBT1201190EN00.doc

Model: bizhub PRESS C7000/C7000P/C70hc/C6000/C6000L

Title: Release of bizhub PRESS C7000/C7000P/C70hc/C6000/C6000L mass production firmware Ver. 40

June 8, 2012

DEVELOP ineo+6+7000 - Firmware v. 40 - Luglio 2012

1. Release version and download file name

The newly released program version and download file name are as follows.

All of the following program are commonly used for C7000, C7000P, C70hc, C6000 and C6000L

Model	Spec	Program name	ROM name	Version	File name	kind
bizhub PRESS C7000/C7000P C70hc/C6000	USA	Image control program	I0 (I1-I5 combined)	G00-40	A1DU011_00I0_G00_4000.BIN	Program
					A1DU011_00I0_G00_4000.sum	Checksum
	Europe	Image control program	I0 (I1-I5 combined)	G00-40	A1DU021_00I0_G00_4000.BIN	Program
					A1DU021_00I0_G00_4000.sum	Checksum
	Asia /Pacific	Image control program	I0 (I1-I5 combined)	G00-40	A1DU041_00I0_G00_4000.BIN	Program
					A1DU041_00I0_G00_4000.sum	Checksum
	Taiwan	Image control program	I0 (I1-I5 combined)	G00-40	A1DU071_00I0_G00_4000.BIN	Program
					A1DU071_00I0_G00_4000.sum	Checksum
	China	Image control program	I0 (I1-I5 combined)	G00-40	A1DU081_00I0_G00_4000.BIN	Program
					A1DU081_00I0_G00_4000.sum	Checksum
	Korea	Image control program	I0 (I1-I5 combined)	G00-40	A1DU091_00I0_G00_4000.BIN	Program
					A1DU091_00I0_G00_4000.sum	Checksum
	All	Print control Program	C	G00-40	A1DU0Y0_00C1_G00_4000.BIN	Program
					A1DU0Y0_00C1_G00_4000.sum	Checksum
		Print control Program (for alternate CPU) *1	C	G00-40	A1DU0Y0_00C1_G80_4000.BIN	Program
					A1DU0Y0_00C1_G80_4000.sum	Checksum
		Print control Program (for alternate CPU) *1	C	G00-40	A1DU0Y0_00C1_G81_4000.BIN	Program
					A1DU0Y0_00C1_G81_4000.sum	Checksum

*1 The program is for another print control board (substitute print control board).

Please refer to CSES ID: TNBT1100104EN* for details.

[Download file name]

The above programs are combined for each destination and compressed with the following names.

C7000us_g0040.zip (for USA)

C7000eu_g0040.zip (for Europe)

C7000ap_g0040.zip (for Asia/Pacific)

C7000tw_g0040.zip (for Taiwan)

C7000cn_g0040.zip (for China)

C7000ko_g0040.zip (for Korea)

[File configuration]

The file configurations are as follows.

```
C7000**_g0040.zip +---C7000 +---I +---I0 +--- A1DU***_00I0_G00_4000.BIN
                  +--- A1DU***_00I0_G00_4000.sum
                  +---C +----- A1DU0Y0_00C1_G00_4000.BIN
                  +-----A1DU0Y0_00C1_G00_4000.sum
                  +----- A1DU0Y0_00C1_G80_4000.BIN
                  +-----A1DU0Y0_00C1_G80_4000.sum
                  +----- A1DU0Y0_00C1_G81_4000.BIN
                  +-----A1DU0Y0_00C1_G81_4000.sum
```

(** depends on the spec, i.e. USA:us, Europe:eu, Asia/Pacific:ap, Taiwan:tw, China:cn Korea:ko)

(*** depends on the spec, i.e. USA:011, Europe:021, Asia/Pacific:041, Taiwan:071, China:081, Korea:091)

2. Where changed

The contents modified in this version are as follows.

a. Newly added functions

[bizhub PRESS C7000/C7000P/C70hc/C6000 in common]

- 1) The counter increment value at the banner print becomes selectable from 1/2/3/4 by DIPSW setting.

DIPSW	Bit	Setting							
34	6	0	1 count (Default)	1	2 count	0	3 count	1	4 count
	7	0		0		1		1	

* The affected counters are as follows:

Total Counter, Full Color Counter, Single Color Counter, Black Counter, Printer Total Counter and Copy Total Counter.

* Once the DIPSW is changed, the counter value for the past output is also re-calculated according to the settings. (But unable to restore)

(CSES: RIBJHK11001319)

2) As the countermeasure against, developing memory, developing AC Duty setting can be changed.

(Current control) Fixed to 30% , (New control) Selectable from 30/50/60/70%

<Symptom>

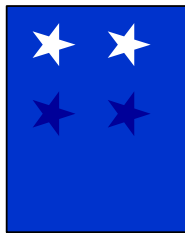
a) When using more than 2 colors such as Red, Green and Blue, image is printed darker in the area 53mm from the lead edge. 53mm is the developing roller cycle.

b) When using more than 2 colors such as Red, Green and Blue, the remain of white letter is printed dark in the area 53mm from the white letter in the same pattern.

* Both a)and b) may be even visible in single color.



Example of a)



Example of b)

=> Developing AC Duty setting is selectable by DipSW

* Developing AC bias duty cycle is separately set for Color (YMC) and black (K).

DIPSW	Bit	Setting							
38	0	0	YMC Duty 30% (Default)	1	YMC Duty 50%	0	YMC Duty 60%	1	YMC Duty 70%
	1	0		0		1		1	
	2	0	K Duty 30% (Default)	1	K Duty 50%	0	K Duty 60%	1	K Duty 70%
	3	0		0		1		1	

<Recommended setting >

- YMC Duty: [70%]

- K Duty: [30%] (Default)

[bizhub PRESS C6000L]

3) The constraint for the combination of bizhub PRESS C6000L and IC-413 has been removed.

b. Change of specifications

[bizhub PRESS C7000/C7000P/C70hc/C6000 in common]

1) Only using IC-601

When printing by "Booklet", "High Precision" and Full Bleed, Page margin setting in job ticket edit on operation panel is available.

(CSES:RIBJOD11001249)

2) Max size for the FS-521 main tray can be extended from 331x483mm to 331x487mm by changing DIPSW under limited condition.

* Condition: Straight exit of printing from printer driver, copy, PDDP. (Shift exit is not supported.)

=>

DIPSW	Bit	Setting	
40	7	0	Maximum paper size for exit 331x483mm (Default)
		1	Maximum paper size for exit 331x487mm

(CSES: RIBJOD11000300,RIBJOD11000886)

c. Problem modification item

Following problem has been corrected.

[bizhub PRESS C7000/C7000P/C70hc/C6000 in common]

1) When printing 2-click count size (large size such as B4, B4(ISO), 8.5x14, SRA3), maintenance counter and fixed parts counter increments by 1.

- (CSES:PEBGB_11001484,PEBDK_11001696)
- 2) The max value for the billing counter is 999,999 and the value 1 million and over looks zero on operation panel. (Only failure of indication)
=> Number of digit is extended to 8-digit like TC (Max value: 99,999,999)
(CSES: PEBNZ_11001081)
 - 3) When registering SMB server from Web Utility, it is impossible to use 2-byte characters for file path name and log-in name.
(CSES: PEBJJK11005063)
 - 4) When custom size is used for Paper Profile name indicaton, everytime the IC-306 is started, the name of custom size is added.
=> By changing DIPSW 40-4 to 1, Custom size name is not indicated to Paper Profile name.
(CSES: PEBJJK11002780)
 - 5) J-1710 when printing on the 3rd sheet of postcard size paper from Tray 5 of PF-602.
<Cause >
Since fine-control of PFU pre-registration clutch is not available, the later paper cannot be stopped and is nipped by the PFU intermediate conveyance roller/5 at the downstream and hit the preceding earlier paper.
<Countermeasure>
Change the control to stop conveyance roller/5 to avoid wrong nipping.
 - 6) When printing in BW mode and J-1001 occurs, after removing jam paper, the engine occasionally remains in warming up.
 - 7) At job editing, if using combination (N to1) with duplex, enlarged preview is not available.
 - 8) When printing a mixed job of simplex and mixplex with group sort setting, wrong page may be printed on the 2nd side
 - 9) The machine cannot restart once it is shut off by weekly timer off time setting.
<Cause>
Part of data stored on NVRAM was not reset at shipment.
=> A function to reset NVRAM data when conducting I/O check mode, has been added.
(For the initialization procedure, refer to "5-c Initialization of part of NVRAM data")
 - 10) When the engine is started up by CSRC command, C-4725 counter increments every time and C-4725 count may become incorrect.
(CSES: PECCR_12000717)
 - 11) In combination of IC-601 and JobCentro, though [Needless Tab Ejection] is enabled for tab insertion job, the needless tab is not ejected and the job remains as active job.
 - 12) On IC-601, when printing a job which was stored on HDD with thinning setting, immediately after tuining ON the engine power switch, thinning setting turns invalid and the entire image turns darker.
(CSES: PEBJTS11007385)
 - 13) When printing from the IC-601 under the mode [Save] [Print/Save] while the main body's HDD have more than "(1000 - the number of folders)/2" files, IC-601 may freeze.
(CSES: PEBJKG11009430), (Special ROM: I-GCM-32)
 - 14) In Paper Setting, when setting the trimming amount, registering the Paper Profile and recalling the Paper Profile, the trimming amount may set to 1.
(CSES: PEBJTS12000533) (Special ROM: I-GCM-32)
 - 15) Only using IC-601
When editing a ticket of a hold job of which destination is set to LS, a message, "Cannot output with designated combination of output tray" is displayed.
=> Corrected to allow to select stacker at job editing screen.
 - 16) When setting the Multi Folder(Fold) Adjustment in French, Button name of each paper size is wrong.
(CSES: RIBEU_11003187)
 - 17) When copy and print jobs are combined and printed in duplex, the image quality changes before after combining jobs or duplexand simplex.
<Cause>
When prinnitng in duplex, a common screen was applied to copy job and print job.
=> Now, the screen originally set is used at printing each page.
(CSES: PEBJOD11007954) During continuous printing, when automatic tray change functions, polygon control becomes unstable and abnormal image such as image blur to sub-scan dirction (Fig. 1), Wavy image (Fig. 2), Slant ban (Fig. 3) appears.
Note: The paper feed direction of all the figures are all from right to left.
(CSES: PEBDFS11001229) (Special ROM I-GCM-32)

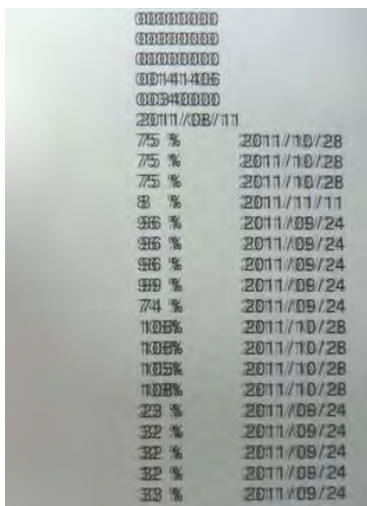


Fig.1 Image blur to sub-scan direction (FD)



Der Sonntagmorgen startet um 8:50 Uhr traditionell mit dem inzwischen schon 41. internationalen Allgäu-Volkstanz auf der Wilhelmshöhe. Die Siegerehrung ist anschließend ab 11:00 Uhr im Festzelt mit Alleinunterhalter Bruno Pfahl. Zeitgleich unterhält die Musikkapelle Engerzhofen ihre Zuhörer beim Frühschoppen im Biergarten. Um 11:00 Uhr spielen die Stadtkapelle Leutkirch und das Jugendblasorchester auf dem Marktplatz zum Standkonzert auf. Auf der Wilhelmshöhe spielen ab 13:30 Uhr die Heggelbacher Stadelmusikanten im Biergarten. Das große Spieleangebot steht für die Kinder von 14:00 Uhr an bereit. Der "Kinderzauberer Martin" bringt um 14:00 Uhr, 15:30 Uhr und 17:00 Uhr seine kleinen und großen Zuschauer zum Staunen. Ab 20:00 Uhr heizen „VollgasBrass“ auf der Wilhelmshöhe ein.

Fig.2 Wavy image



Abnormal image



Normal Image

Fig 3. Slant Band

- 18) When both SD-506 and LS-505 are connected to a main body, part of LS setting is overwritten with SD setting.
- 19) When Back side magnification adjustment is enabled, the number of sheets in duplex circulation changes and may cause jam.
- 20) The air from the paper exit cooling fan blows the ejected paper to the suction opening of the fan. Consequently, the paper is not neatly stacked on the exit tray.
(CSES: DLBT1102628*, Special ROM (GCI-32))

[bizhubPRESS C6000]

- 21) When FS-612 is directly connected with C6000, when conducting mixplex job, paper buckling, curl or jam occurs.
<Cause>
When the same value is set for simplex reverse and duplex reverse of exit roller de-curler pressure adjustment, line speed change for the paper exit did not function properly.
(CSES: PEBNZ_12000133)

3. Restrictions: None

4. Programs to be applied at the same time: None.
However, BT recommends to use the programs mentioned in the "6. Latest program combinations".

5. How to install: a. How to update the firmware

When you use Service Port to update the program, copy the whole folder of the firmware, which is shown as "C7000", onto USB memory drive. Please refer to the service manual for the update procedure.

b. How to check version

You can check the ROM version in Service mode => 08Firmware Version.
Please refer to the Service Manual for the detailed procedure.

Image control I1:A1DU0Y0-00I1-G00-40
 I2:A1DU0Y0-00I2-G00-31
 I3:A1DU001-00I3-G00-40
 I4:A1DU0Y0-00I4-G00-10
 I5:A1DU0Y0-00I5-G00-10
 Printer control C:A1DU0Y0-00C1-G00-40
 C:A1DU0Y0-00C1-G80-40
 C:A1DU0Y0-00C1-G81-40

c. Initialization of part of NVRAM data (Applicable to only following affected machine)

To correct the following problem, part of NVRAM data must be initialized.

Problem: Machine cannot startup after auto-shut off at lunch time of weekly timer setting.

How to initialize:

Perform following from the service mode:

Service mode => [05 State Confirmation] -> [01 I/O Check Mode]

Conform following input/output check. Conform following input/output check.

When I/O check is executed, the necessary initialization is conducted automatically.

<I/O Check>

Code	Multi	Contents
98	99	Part of NVRAM data is initialized

<Serial number>

Model	Serial Number		
bizhub PRESS C7000	A1DU	011	001029 to 001030 001158 to 001204 001206/001207 001209/001210 001214 to 001217
		021	001018~001056
		041	000196~000209
		051	000118/000119/000121
		071	000045~000047
		091	000045~000051
		141	000030~000034
		151	000011
bizhub PRESS C6000	A1DV	011	001215~001350 001353/001355 001357/001362
		013	000105~000109 000175~000234
		021	001584~001601 001870~001921
		022	000291~000315 000524~000636
		041	000304~000361
		051	000161~000167
		081	000152~000161
		141	000008~000010
		003	000029~000046
bizhub PRESS C7000P	A204	011	000370~000384
		021	000232~000270
bizhub PRESS C70hc	A205	011	000057~000058
		021	000065
		041	000049~000079
		071	000003~000005
		081	000005~000006
		091	000002~000003

<How to check the initialization result >

- Access [Utility/Counter] -> [Administrator Setting] -> [System Setting] -> [Weekly Timer Setting] -> [01 Weekly Timer ON/OFF Setting], Set [Weekly Timer ON].
- At [02 Time setting] and [03 Date setting], set the time and date so that the timer functions when CE attend the machine for the operation check.
- At [04 Select time for Power Save], select [Function Valid] then enter "OFF " and "Restart" time.

"OFF" and "Restart " time must be in the range between weekly timer ON and OFF time.

- iv) When the machine automatically restarts after restart time of Power Save time, the initialization was conducted successfully.
If not, repeat the step for initialization
- v) After operation check, disable weekly timer (At [01 Weekly Timer ON/OFF Setting], set [Weekly Timer OFF]).

6. Latest program combinations

Model	Program name	ROM	ROM Type	Latest Version					
				USA	Europe	Asia/Pac.	Taiwan	China	Korea
bizhub PRESS C7000	Image control	I0	Combined	A1DU011	A1DU021	A1DU041	A1DU071	A1DU081	A1DU091
				40	40	40	40	40	40
		I1	Individual	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0
				40	40	40	40	40	40
		I2	Individual	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0
				31	31	31	31	31	31
		I3	Individual	A1DU011	A0DU021	A0DU041	A0DU071	A0DU081	A0DU091
				40	40	40	40	40	40
		I4	Individual	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0
				10	10	10	10	10	10
		I5	Individual	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0	A1DU0Y0
				10	10	10	10	10	10
	Tone control	T	Common	A1DU0Y0	<-				
				10					
	Print control	C	Common	A1DU0Y0	<-				
				40					
DF-622	ADF	F	Common	A1TW0Y0	<-				
				10					
FD-503	Multi Folder control	H	Common	A0H00Y0	<-				
				60					
RU-509	Relay unit control	R	Common	A1TT0Y0	<-				
				20					
RU-506	Relay unit control	R	Common	A0GE0Y0	<-				
				35					
FS-521	Stapler control	N1	Common	A0GY0Y0	<-				
				55					
FS-531	Stapler control	N2	Common	A2A40Y0	<-				
				12					
FS-612	Stapler control	N2	Common	A1TV0Y0	<-				
				12					

SD-506	Saddle snitcher control	B	Common	A0H20Y0	<-
				60	
LS-505	Stacker control	S	Common	A0H10Y0	<-
				60	
PB-503	Perfect Binder control	J	Common	A15X0Y0	<-
				50	
GP-501	Stream Punch control	G	Common	A0N90Y0	<-
				40	

* Company names and product names in this document are the registered trademarks for respective companies.

(C)2012 KONICA MINOLTA BUSINESS TECHNOLOGIES, INC.