Canon SERVICE BULLETIN **COPIER**

Issued by Canon Europa N.V.

MODEL: All GP models

No.: GP-GEN-001

Date: 21.11.97

SUBJECT: SOFTWARE - FIRMWARE - HARDWARE REFERENCE MANUAL

A. Reference sheet

			Printer Board P1 (PCL5) (MDC)	Printer Board P2 (PCL5e) (MDC)	Printer Board A1 (PS/PCL5e) (MDC)	Printer Board C1 (CaPSL) (MDC)	Printer Board P3 (PCL5e) (GP215)	Printer Board B1 (PS/PCL5e) (GP215)
		Version	**22.01**	**12.03**	**15.11**	**10.24**	**01.32**	**03.04**
PCL	**CIS** Win311, 95	**2.22** (2.3 eng.)	√	√	√		√	√
	CIS WinNT3.51	**1.0**		√	√		√	√
	GCA WinNT3.51	**1.0**					√	√
	MMS Win3.11,95	**3.1**		√	√		√	√
	SW2000 WinNT4.0	**2.7**		√	√		√	√
PostScript	**CIS** Win3.11	**2.01** (2.1 eng.)			√			√
	CSME Win95,NT4.0	**1.0**			√			√
	CIS Macintosh	**1.1**			√			√
	IBM OS/2 Warp	**30.514**			√			√
CaPSL	**GCA** Win3.11,95	**1.0**				√		
	GCA WinNT3.51	**1.0**				√		
	GCA OS/2 Warp	**1.01**				√		

		I/F Board B1 (MDC)	I/F Board C1 (GP215)	NIB E2 (MDC)	NIB E2e (MDC)	NIB TR1 (MDC)	NIB E3e (GP215)	Axis 540+/542+ /640 (GP215/MDC)
		17.02	02.01	31.04	2.25	16.01	02.24	5.38.2
IPX/SPX				√	√	√	√	√
TCP/IP				√	√		√	√
EtherTalk				√	√		√	√
NetBIOS					√		√	√
NetSpot	2.3				√		√	
MPConsole	31.04			√		√		
ISIS		√	√					
TWAIN			√					

B. Software - Printer/Fax Drivers

Platform	PDL	Developer	Driver Version	Multilingual	Fax	Overlay	*GP215*	*GP MDC*
Windows 3.11	PCL5e	MMS	3.1	√	√	√	√	√
	PostScript	CIS	2.01 (2.1 eng.)	√	√		√	√
Windows 3.11 / 95	PCL5e	CIS	2.22 (2.3 eng.)	√	√		√	√
	CaPSL	GCA	1.0	√		√		√
Windows 95	PCL5e	MMS	3.1	√	√	√	√	√
	PostScript	CSME	1.0	√			√	√
	PortManager	CSME	1.0	√	√		√	
Windows NT3.51	PCL5e	GCA	1.0	√		√	√	
		CIS	1.0		√		√	√
	CaPSL	GCA	1.0	√		√		√
Windows NT4.0	PCL5e	SW2000	2.7	√		√	√	√
	PostScript	CSME	1.0	√			√	√
Apple Macintosh	PostScript	CIS/CSME	1.1	√	√		√	√
OS/2	PostScript	IBM	30.514					√
	CaPSL	GCA	1.01	√		√		√

C. Software - NetSpot 2.3
(FGP-0801000)

	Win3.1/3.11& WFW	Windows 95	Windows NT 3.51 / 4.0	Macintosh System 7 or higher	SunSolaris 2.5 or higher, SunOS 4.1 or higher
IPX/SPX	√	√	√	√	
TCP/IP		√	√	√	√
AppleTalk	√		√	√	
NetBIOS			√		

D. Software - GP Series Scannerkit

(FGP-0601000)

	ISIS Driver	PixView Application (ISIS)	TWAIN Driver	ScanWorks Application (TWAIN)
	Windows 3.x/95/NT3.51/4.0	Windows 3.x/95/NT3.51/4.0	Windows 3.x/95/NT4.0	Windows 3.x/95/NT4.0
GP MDC (30/55)	√	√		
GP215	√	√	√	√

E. Firmware

GP MDC **board name** **product number**	Firmware version	Specifications	Upgrade method
GP30F F13-2296001	DCContr: 03.01 IP: 20.01 IP flash: 36.03 (Ger, Fin, Swe, Nor, UK) IP flash: 37.01 (Dan, Dut, Frn, Ita, Por, Spa, Cru)		Change EPROMs Flash RAM via download utility Flash RAM via download utility
GP55II F12-8795001	DC Contr: 22.01 IP: 43.01 (42.01) Local Lang available		Change EPROMs Change EPROMs
MDC A1/B1 New Core II F23-7241702 (A1) F23-8641000 (B1)	90.01		Firmware upgrade is done from PC with special RS232C cable to the RC232C connector on the Core Board.
Printer Board P1 F61-5622700	22.01	Discontinued (PCL5)	To Upgrade the firmware cahange the ROMs on the board.
Printer Board P2 F61-5672700	12.03	Connectors: RS323C, Centronics (PCL5e)	Firmware upgrade is done from PC with normal Centronics cable straight to the Centronics port.
Printer Board C1 F61-5642000	10.24	Connectors: RS323C, Centronics (CaPSL)	Change EPROM
Multi PDL Board A1 F61-5662700	15.11	Connectors: RS323C, Centronics, LocalTalk, SCSI (for fonts HD) (PostScript, PCL5e)	Firmware upgrade is done from PC with normal Centronics cable straight to the boards connector.
NIB E2 F61-5633706	31.04	Supported protocols: TCP/IP, IPX/SPX, EtherTalk.	Firmware upgrade is done via network. Using MPFLASHET
NIB E2e F61-5617000	2.25	Protocols: TCP/IP, IPX/SPX, EthetTalk, NetBEUI	Firmware upgrade is done via network. Using NetSpot 2.3
NIB TR1 F61-5663700	16.01	Supported protocol: IPX/SPX	Firmware upgrade is done via network. Using MPFLASHTR
G3 Fax Board A1 F61-5671000 (EC) F61-5681000 (Swiss)	31.05 (Dut,Fin,Swe) 31.06 (Aus) 31.07 (Swi, Dan, Ita) 31.09 (Belg, Nor)	G3 TIFF format	To Upgrade the firmware change the ROMs on the board.
I/F Board B1 F61-5693700	17.02	SCSI	To Upgrade the firmware change the ROMs on the board.

E. Firmware (continued)

GP 215/210	Firmware version	Specifications	Upgrade method
GP215 F13-2991001	DC Contr 36.02 IP: 49.03 (Dut, Dan, Ita, Fin, Ger, Frn, Nor, Spa, Swe, UK, Pol, Por)		Change the EPROMs Use the Flash download utility from PC using the special RC232C connector under the front cover.
Protocol Controller	07.01		Firmware upgrade is done from PC with special RS232C cable to the RC232C connector under the front cover.
Printer Board P3 F61-6512-700	01.32	Connectors: RS323C, Centronics (PCL5e)	Firmware upgrade is done from PC with normal Centronics cable straight to the board's Parallel connector.
Multi PDL B1 F61-6502-700	03.04	Connectors: RS323C, Centronics, LocalTalk, SCSI (for fonts HD) (PostScript, PCL5e)	Firmware upgrade is done from PC with normal Centronics cable straight to the board's Parallel connector.
NIB E3e F61-6527-000	02.24	Protocols: TCP/IP, IPX/SPX, EthetTalk, NetBEUI	Firmware upgrade is done via network.
G3 Fax Board C1 F61-6541-000	Uses the Image Processor Firmware	There is no actual firmware for the Fax board. The information it needs is on the IP firmware. Uses G3 TIF format	Firmware upgrade is done from PC with special RS232C cable to the RC232C connector under the front cover.
I/F Board C1 F61-6552-000	02.01		Change the EPROM

F. Other GP related Software and Hardware

	Software / Firmware versions	Specifications	Upgrade method	GP215	GP MDC
Axis 540+ / 542+ /560 FGP-540EUR / FGP-540UK FGP-542EUR / FGP-542UK FGP-640EUR / FGP-640UK	NetPilot 1.7 Pserver 5.38.2	Axis 540+ is PrintServer with the10BaseT Connection (RJ45) and Axis 542+ is the PrintServer with 10Base2 Connection (BNC). Supported protocols: TCP/IP, IPS/SPX, NetBEUI/BIOS, EtherTalk. Axis 640 is PrintServer with the10BaseT Connection (RJ45) and 10Base2	The PrintServer Firmware is upgraded via Network with the NetPilot Software.	]	]

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Model: GP55-30/GP200/GP215 Windows3.1/95 PCL5e Printer Driver v2.3

No.: GP-GEN-002
(97QAB-0028)
DATE: 21.11.97

LOCATION: GP55-30/GP200/GP215 Windows3.1/ 95 PCL5e Printer Driver v2.3

SUBJECT: Version 2.3 Released

1. Outline

GP55-30/GP200/GP215 Windows3.1/95 PCL5e Printer Driver v2.3 (GP PCL5e Driver v2.3) was released.

2. Details

Here are the modifications in the GP PCL5e Driver v2.3 as compared with v2.22.

1) Support for the Network Interface Board-E2e/E3e
2) "All Pages" in [Media Source] on Media tab is changed to "Other Pages"
3) Corrections for the field claims from v2.22
   Descriptions are as follows;
   - 3-1) Apply button is grayed out
   - 3-2) Application error on PowerPoint
   - 3-3) In Page Maker5.0, color filled pattern prints as blank
   - 3-4) The envelope unit not indicated on the bitmap when selected
   - 3-5) Changing permanent fonts on the other ports does not update win.ini
   - 3-6) Envelope Unit off, auto prompts for envelopes in cassette1
   - 3-7) PowerPoint send fax, fax dialog minimize
   - 3-8) PowerPoint does not fax correctly at 600dpi
   - 3-9) Tray selection may be confusing
   - 3-10) Multi Orientation
   - 3-11) Multi Orientation job does not print correctly in MS Word
   - 3-12) Separated page with GP Driver 2.0
   - 3-13) Over printing characters with GP Driver 2.0
   - 3-14) Missing line with GP Driver 2.0
   - 3-15) Unknown characters - GP30F Driver 2.0
   - 3-16) Reinstallation of GP55 PCL5a driver, cancel button does not work
   - 3-17) Selecting connect button in Control Panel / Printer enables envelope unit
   - 3-18) Alt + tab will not return FAX UI Dialog
   - 3-19) Installation PCL5a Printer Driver - Cancel button does not work
   - 3-20) GP55 PCL5a/5e settings lost for Media Source if Auto Configuration = ON
   - 3-21) GP55 Paper Deck selection in GUI is incorrect in Transparency Interleaving
   - 3-22) Bitmap distortion

3-23) Outgoing FAX is double - spaced
3-24) 10+2 bin Sorter is not recognized by Auto Configuration (GP55/30)
3-25) Orientation is 1 page behind in MS Word
3-26) Incorrect underlining and strike-out in Word Perfect 6.1
3-27) IBM ThinkPad lock up in Windows95 applications
3-28) White text on black background does not print or prints incorrectly
3-29) Too many permanently downloadable fonts error with PageMaker6.0
3-30) Bar graph in PowerPoint not printed right
3-31) When printing an underline with the use of the TAB key after text there appears a gap in the underline (GP55-30 only)
3-32) The vertical text does not print correctly (PowerPoint)

3. Remaining Problems and Restrictions

1) Does not print out arc image on Designer 4.1

[Problem]

When Arc/Circle pattern is printed in the Raster mode from Designer 4.1, circle of small dots is printed out. However, printing in the HP-GL/2 mode is conducted normally.

[Cause and Countermeasure]

Printing result with the Raster mode is the correct output according to the specifications. The same result appears with HP printer.

2) Warning message should inform user that resolution has been reset with Reduce/Enlarge

[Problem]

Resolution is changed from 600dpi to 300dpi automatically when Reduce/Enlarge function is used, but the warning message is not indicated.

[Cause and Countermeasure]

Limitation as designed

3) HP-GL/2 mode and Medium look the same as HP/GL2 and High

[Problem]

Quality of Graphics does not change when “Graphics Quality” is changed while HP-GL/2 is set in “Graphic Mode”

[Cause and Countermeasure]

The operation according to the specifications. Quality of Graphics does not change in the HP-GL/2 mode.

4) Send FAX UI displays incorrect values in Option tab

[Problem]

As for FAX transmission, the paper size and print orientation on the fax cover page become the size and orientation specified in the fax driver, on the other hand, the paper size and print orientation in the text become the paper size and orientation specified in the printer driver. As the paper size and print orientation of the printer driver differ from those of the fax driver, the printing result on the cover page differs from that in the text.

[Cause and Countermeasure]

Designed as specification

5) PowerPoint Graphing Dropout

[Problem]

When printing from PowerPoint in Raster mode of the driver setting, printing imported graphics fails. Printing in HP-GL/2 mode is conducted normally.

[Cause and Countermeasure]

Limitation

6) Adobe Acrobat black backgrounds do not print well in HP-GL/2

[Problem]

When the data with black background is printed in the HP-GL/2 mode, the black background is printed on the text and the graphic image.

[Cause and Countermeasure]

This problem lies in the application. The same problem occurs when HP printer is used. Printing in the Raster mode is conducted normally.

7) Adobe Acrobat prints landscape slides upside down

[Problem]

When the landscape data is printed using Acrobat, it is printed upside down.

[Cause and Countermeasure]

This problem lies in the application. The same problem occurs when HP printer is used.

8) Copy option in driver not match application(PowerPoint)

[Problem]

When the number of copies on the driver UI is changed using PowerPoint 7.0, the number of copy on print dialog in PowerPoint does not change.

[Cause and Countermeasure]

This problem lies in the application, since the problem occurs only with PowerPoint. The same problem occurs when HP printer is used.

9) Reinstallation does not change port assignment

[Problem]

The driver re-installed after set up program is executed while GP driver is already installed. In this situation, when the port assignment is changed, the previous port is used after Windows is restarted. This problem occurs only in Windows95.

[Cause and Countermeasure]

Limitation. This problem occurs because this driver runs the installer for Windows3.1 on Windows95. The new port assignment should be executed after installing the driver.

10) Corel DRAW print job is not printed correctly in HP-GL/2 mode

[Problem]

Printing result is not correct when the Corel DRAW data is printed in the HP-GL/2 mode.

[Cause and Countermeasure]

Limitation. When printing in the Raster mode, normal printing result appears.

11) Windows3.11 machine running Access2.0 print tremendously slow

[Problem]

The data created with Access 2.0 is printed slower than it is printed with HP printer.

[Cause and Countermeasure]

Deferred

12) Unable to use port name more than 32 characters

[Problem]

If the port name that the driver is redirected to is greater than 32 characters, the entry in the GPDRV.INI file will be truncated to 32 characters.

[Cause and Countermeasure]

Limitation as design. The port name on GP driver has a maximum limit of “31character +NULL”

13) Microsoft Works v4.0 not able to sort

[Cause and Countermeasure]

This problem lies in the application. This is because the 3 pages 3 copies data is treated as 9 pages 1 copy data when MS Works is used.

14) The Network Interface Board-E3e/E2e cannot operate with the Automatic Configuration mode when it is using NDS mode.

[Cause and Countermeasure]

Limitation as NIB board specification. The users should use Bindery mode or disable the Automatic Configuration.

4. Combinations of ROMs and Software Versions

1) GP200/215 Series

GP200/215	IP	Ver.45.02 and later
	D-CON	Ver.35.04 and later
	PRCON	Ver.7.01
PS/PCL		Ver.3.04
PCL5e		Ver.1.32

2) GP55/30 Series

GP55F	MMI	Ver.50.18	MDC	NCORE	Ver.90.01
	IP	Ver.43.01		NIB-E2	Ver.31.04
	D-Con	Ver.22.01		NIB-E2e	Ver.2.25
				PSPCL	Ver.15.11
GP30F	ICORE	Ver.32.01 and later		PCL5e	Ver.12.03
	IP	Ver.17.01 and later			
	D-Con	Ver.3.01			

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Model: Printer Board-P2

No.: GP-GEN-003
(97QAB-0039)
DATE: 19.12.97

LOCATION: Printer Board-P2
SUBJECT: Firmware Version Up (ver. 15.12)

1. Outline

Printer Board-P2 (PCL5e Printer Board for GP55-30) Ver.15.12 was released.

2. Details

As Printer Board-P2 ver.15.12 was released, the modification from ver.12.03 fixes the following problem:

- The data transferring via NIB-E2/E2e has some difficulty and the printing job fails.

3. Combinations of ROMs

GP55F	MMI	Ver.50.18	MDC	NCORE	Ver.84.02 and later
	IP	Ver.43.01		NIB-E2	Ver.31.04
	D-Con	Ver.22.01		NIB-E2e	Ver.2.25
				PCL5e	Ver.15.12
GP30F	ICORE	Ver.32.01 and later			
	IP	Ver.17.01 and later			
	D-Con	Ver.3.01			

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Model: **Multi PDL Board-B1**
Printer Board-P3

No.: GP-GEN-004
(97QAB-0040)
DATE: 19.12.97

LOCATION: **Multi PDL Board-B1 / Printer Board-P3**
SUBJECT: **Firmware Version Up (ver. 4.01)**

1. Outline

Multi PDL Board-B1 and Printer Board-P3 ver.4.01 were released.

2. Details

As Multi PDL Board-B1 and Printer Board-P3 ver.4.01 were released., the modification from ver.3.04 fixes the following problem:

When “Multi Size/Orientation Job” is selected by the GP PCL Printer Driver and printing is executed with “GP Envelope Feeder Attachment” installed, printing on an envelope turns upside down.

3. Combinations of ROMs

GP200/215	IP	Ver.42.05 and later
	D-Con	Ver.35.04 and later
	PRCON	Ver.7.01
	PS/PCL	Ver.4.01
	PCL5e	Ver.4.01
	NIB-E3	Ver.30.06
	NIB-E3e	Ver.2.24

4. Remarks

When printing is executed on an envelope using Post Script Printer Driver, it is necessary to execute print after “Rotated Landscape” is selected with User Interface of the PS Driver.

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Model: GP55-30/GP200/GP215

No.: GP-GEN-005
(97QAB-0030)
DATE: 30.01.98

SUBJECT: Windows3.1 Post Script Printer Driver v2.1

1. Outline

GP55-30/GP200/GP215 Windows3.1 Post Script Printer Driver v2.1 (GP Windows3.1 PS Driver v2.1) was released in English, French, German, Italian and Spanish.

2. Details

Here are the modifications in the GP Windows3.1 PS Driver v2.1 as compared with v2.01.

1) Support for the Network Interface Board-E2e/E3e
2) For GP55-30 series, 10+2 bin sorter can be configured using Auto Configuration
3) Support of a function “Multi Size/Orientation Job”
4) Support of a function “Additional Paper Source”

This function allows you to define a different source (such as a Cassette or Paper Deck) for the first page of a printed document. This feature is useful when you have preprinted stationery (such as a letterhead) that you want to use for the first page of a document, while using plain paper for the remaining pages of the document.

3. Remaining Problems and Restrictions

1) The last settings used in Word are the default settings used in Excel 5.0a

[Problem] GPPostW31V2.1Mu#012

If working within a Word Document and then closing the application to work in Excel. The last options are defaulted into the Excel driver settings. For example the last Word document was set for 3 copies, then the application default setting would be set at 3 copies. Changing the settings within the driver does not change the settings, and always defaults back to the settings last used in Word.

[Cause and Countermeasure]

The countermeasure is to manually clarify the driver settings before printing.

2) Will not duplex in Excel 5.0a

[Problem] GPPostW31V2.1Mu#014

When printing from Excel although the options for duplexing are available they do not activate when selected. A three page document was printed with duplex set to short edge binding, and the output was 3 separate pages.

[Cause and Countermeasure]

Limitation.

3) Will not print from the Paper Deck with Excel 5.0a
[Problem] GPPostW31V2.1Mu#015
When selecting paper source to paper deck, the paper is selected from the Auto tray which was tray 1. This does not occur if using Word.
[Cause and Countermeasure]
Limitation.

4) Will not print multiple copies on first attempt
[Problem] GPPostW31V2.1Mu#009
When increasing the amount of copies from 1 to say 4, only 1 copy is produced. When attempting to print again then the 4 copies will print.
[Cause and Countermeasure]
Limitation.

5) Auto Configuration does not work with NDS queues
[Problem] GPPostW31V2.1Mu#010
The NIB E3e and E2e can not operate the Auto Configuration of the printer driver when they are attached to a Novell NDS queue.
[Cause and Countermeasure]
Limitation of NIB specification. Will only work in the NIB's are connected to a Bindery Queue. Otherwise manual configuration must be used.

6) Auto Configure does not see Duplex A1
[Problem] GPPostW31V2.1Mu#016
The Auto Configuration does not report that the pedestal A1 is attached when it is.
[Cause and Countermeasure]
The cause is in the firmware of the GP. To work around this problem this pedestal must be manually configured.

7) French driver ONLY - There are no Hot Keys for Scaling and Copies
[Problem]
There are no Hot Keys marked for Scaling (Echelle) or Copies (Copies). They do show in the help file as ALT+H (Echelle) and ALT+I (Copies) but not in the driver.
[Cause and Countermeasure]
Limitation.

4. Combinations of ROMs and Software Versions tested

1) GP200/215 Series

GP200/215	IP	Ver.45.02 and later
	D-CON	Ver.35.04 and later
	PRCON	Ver.7.01
	PS/PCL	Ver.3.04
	PCL5e	Ver.1.32

2) GP55/30 Series

GP55F	MMI	Ver.50.18
	IP	Ver.43.01
	D-Con	Ver.22.01
GP30F	ICORE	Ver.32.01 and later
	IP	Ver.17.01 and later
	D-Con	Ver.3.01
MDC	NCORE	Ver.90.01
	NIB-E2	Ver.31.04
	NIB-E2e	Ver.2.25
	PSPCL	Ver.15.11
	PCL5e	Ver.12.03

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Model: GP55-30/GP200/GP215

No.: GP-GEN-006
(98SQE-B0004)
DATE: 30.01.98

LOCATION: **Windows95 PostScript Printer Driver v1.0**
SUBJECT: **New Release (English)**

1. Outline

GP55-30/GP200/GP215 Windows95 PostScript Printer Driver v1.0 was released.
This printer driver is a customized driver for GP series based on Adobe PS 4.1.1.

2. Main Remaining Problems and Restrictions

For more detailed information, please refer to the README file that comes up with the driver.

1) Operations of On and Off in the "Installable Options/Refine" settings on the [Device Options]Tab are opposite of the selected setting.

[Problem]
When Refine is set to On, the data of when Refine is set to Off is transmitted by the MDC Command. Conversely, when Refine is set to Off, the data of when Refine is set to On is transmitted by the MDC Command.
[Countermeasure]
To be deferred

2) Driver Setup - the backward button does not appear to cancel the setting of the driver's name

[Problem]
Selecting the appropriate driver and the Next button during installation, then using the Back button to go back and change the selection (i.e. from GP PostScript to GP200/215 PostScript) and again selecting the Next button, the Setup does not appear to retain the new driver settings (the driver's name). In the other words, the previous selection remains in the Setup box.
When you continue the installation, it is possible to end up with the driver name not matching the driver actually installed.
[Cause and Countermeasure]
To be deferred, since the user can change a printer name after installing the driver.

3) The Network Interface Board-E3e/E2e cannot operate with the Automatic Configuration mode when it is using NDS mode.

[Cause and Countermeasure]
Limitation as per the NIB board specification. The users should use Bindery mode or disable the Automatic Configuration.

3. Combinations of ROMs

1) GP200/215 Series

GP200/215	IP	Ver.45.02 and later
	D-CON	Ver.35.04 and later
	PRCON	Ver.7.01
PS/PCL		Ver.4.01
PCL5e		Ver.4.01
NIB-E3e		Ver.2.24

2) GP55/30 Series

GP55F	MMI	Ver.50.18	MDC	NCORE	Ver.90.01
	IP	Ver.43.01		NIB-E2	Ver.31.04
	D-Con	Ver.22.01		NIB-E2e	Ver.2.25
				PSPCL	Ver.15.11
GP30F	ICORE	Ver.32.01 and later		PCL5e	Ver.15.12
	IP	Ver.17.01 and later			
	D-Con	Ver.3.01			

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Issued by Canon Europa N.V.

Model: GP Scan for Windows

No.: GP-GEN-007
(98SQE-B0006)
DATE: 30.01.98

LOCATION: Canon GP Scan for Windows Ver.1.0
SUBJECT: New Release

1. Outline

Canon GP Scan for Windows Ver.1.0 was released. The GP Scan driver is a 32-bit TWAIN-compliant scanner driver which allows the Canon GP30F/55 and GP200/215 series to serve as scanner. When this driver is selected from within a TWAIN-compliant software program, these copiers can be used to scan image data.

2. Details

As GP Scan for Windows 1.0 was released, the system requirements are informed as follows;

2-1) Required Hardware

- ASPI -compliant SCSI host adapter card (Adaptec recommended)
  The following host adapter cards have been tested with GP Scan Driver.
  AHA-2940 and AHA-1542CP
- SCSI Interface Board - B1 for the GP30F/55
- SCSI Interface Board - C1 for the GP215/200

2-2) Required Software

Operating Systems supported by the Canon GP Scan areas follows;
- Microsoft Windows 95
- Microsoft Windows NT3.51
- Microsoft Windows NT4.0

2-3) Applications which can employ the GP Scan Driver

- Adobe PhotoShop 4.0
- Corel Draw 7
- Symantec WinFax PRO v8.0
- Watermark Client Release 3.0
- Xerox Pagis Pro 97
- Caere OmniPage Pro Ver.7.0
- Wang Imaging Ver.4.00
- Canon CanoBureau V1.01

Please view the ReadMe file accompanying the scan driver for a description of any restrictions associated with the applications above.

3. Main Remaining Problems and Restrictions

1) The image margin width achieved is currently a function of the scan resolution chosen. When Scan is executed with low resolution such as 150dpi in the GP215/200 series, the margin on the image is enlarged relative to the same image scanned at a higher resolution. The two examples here show the relation between scan resolution and margin width.

Scan Resolution	Margin Width
150dpi	**10mm**
600dpi	**2.5mm**

[Countermeasure]
GP Firmware limitation. This problem will be addressed by a future update to GP215 IP firmware (Ver. 54.xx or higher). The margin will be set to 2.5mm independent of the choosen scan resolution.

4. Combinations of ROMs

1) GP200/215 Series

GP200/215	IP	Ver.45.02 and later
	D-CON	Ver.35.04 and later
RDF-G1		Ver.6.01
ADF-F1		Ver.6.02
SCSI-C1		Ver.2.01

2) GP55/30 Series

GP55F	MMI	Ver.50.18	MDC	NCORE	Ver.90.01
	IP	Ver.43.01		SCSI-B1	Ver.17.02
	D-Con	Ver.22.01			
GP30F	ICORE	Ver.32.01 and later			
	IP	Ver.17.01 and later			
	D-Con	Ver.3.01			

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MODEL: **Network Multi PDL Printer Board-D1**
Network Printer Board-E1

No.: GP-GEN-008
(98SQE0-B0017)
Date: 26.06.98

LOCATION: SYSTEM SOFTWARE V1.0

SUBJECT: NEW RELEASE

1. Outline

Controllers for GP215/210, "Network Multi PDL Board-D1 (PS/PCL)", "Network Printer Board-E1 (PCL)" (GP-D1/E1) were released.
For details on their specifications and instruction, see Service Bulletin GEN-604A.

2. Details

As the controllers were released, remaining problems and restrictions on the system software and printer driver is informed.

(2-1) System Software

- Error code E675 may occur when mass-printing from network is executed.(e.g. continuous printing of 100-pages of multiple pages and duplex)

[Cause]

When reception and printing processes are performed in succession on the printer board, a problem may occur with the communication to the GP main body.

[Countermeasure]

After GP is turned off/on, disperse print jobs and execute print again.

- Error code E675 may occur when the main power of GP is turned off and on quickly (for about 1 sec.)

[Countermeasure]

Turn on GP main body after about 3 second it is turned off.

- The printer driver installed from Web Installer is older than the User CD.

[Countermeasure]

Explained in Release Note. The printer driver must be installed from the User CD.
For the driver installed form Web Installer, problems such as "image margin is too large" are not modified.

- 17 characters or more cannot be entered in the NDS Setup.

[Countermeasure]

Specification. Explained in Release Note.

- When the data is sent from the Parallel port in the state "Wait...." after GP is turned on, GP-D1/E1 print out improper images.

[Countermeasure]

Execute printing after the printer board launches normally. This problem does not occur when the data is printed from Network

- The "EXIT" button does not operate in the Save Changes screen of [Server Setup],[Network Setup] and [Job Log Setup].
[Countermeasure]
Limitation as designed. If the screen returns with OK key, it is not considered as a problem.
- "Output Bin" is selectable in [Copier Setup] on GP-D1/E1 on GP with Multitray-3.
[Countermeasure]
Modified in STEP2.
- When PCL Printing Only is set on GP-D1 and GP-E1, even if Tabloid/A3 is specified in Job Page Size of [Job Log Setup], the data is printed out on Letter/A4.
[Countermeasure]
Modified in STEP2.

(2-2) Printer Driver

- Image margins in PostScript and PCL are as follows;
(2-2-1) In case of PostScript, 2.5mm for each side in each paper size.
(2-2-2) In case of PCL, see the following tables.
(i) Windows NT4.0 PCL5e Driver

	A4(Portrait)	LTR(Portrait)	A4(Landscape)	LTR(Landscape)	A3	11x17
Top	5.25 (1.75)	5.50 (6.50)	6.75 (5.25)	7.00 (5.00)	9.25 (5.00)	7.50 (5.00)
Bottom	6.50 (6.25)	5.75 (2.25)	2.50 (2.75)	2.50 (3.00)	2.75 (1.25)	2.75 (1.75)
Left	8.50 (5.00)	9.25 (4.75)	6.75 (5.50)	5.75 (2.00)	7.00 (3.25)	6.50 (4.00)
Right	4.50 (2.75)	4.50 (3.00)	4.25 (1.75)	4.50 (6.75)	5.75 (4.75)	7.25 (5.25)

*Unit: mm Values for HP5Si Mopier in parentheses
* Surveyed on Illustrator7.0 and WinNT4.0 Driver

(ii) Windows95 PCL5e Driver

	A4(Portrait)	LTR(Portrait)	A4(Landscape)	LTR(Landscape)	A3	11x17
Top	5.00 (4.50)	6.00 (7.25)	6.75 (5.25)	7.00 (4.50)	9.00 (7.00)	7.25 (5.00)
Bottom	7.25 (6.50)	5.75 (4.25)	2.50 (3.25)	2.50 (3.00)	2.50 (2.50)	2.75 (1.75)
Left	6.75 (8.50)	9.00 (7.00)	4.00 (8.25)	5.75 (4.25)	7.75 (5.75)	6.25 (6.25)
Right	5.00 (4.50)	4.50 (4.75)	6.75 (3.00)	5.00 (6.25)	5.25 (7.50)	7.25 (7.25)

*Unit: mm Values for HP5Si Mopier in parentheses
* Surveyed on Illustrator7.0 and Win95 Driver

(iii) Windows3.1 PCL5e Driver

	A4(Portrait)	LTR(Portrait)	A4(Landscape)	LTR(Landscape)	A3	11x17
Top	5.25 (4.50)	6.75 (8.75)	2.25 (5.00)	2.25 (5.00)	4.25 (7.00)	2.75 (5.25)
Bottom	6.25 (8.00)	6.00 (3.00)	7.00 (3.25)	7.00 (3.25)	7.00 (2.25)	7.25 (1.75)
Left	9.75 (7.00)	9.00 (7.00)	4.00 (8.00)	4.25 (3.00)	5.00 (6.75)	7.00 (6.75)
Right	4.00 (5.00)	5.50 (5.25)	7.00 (3.25)	6.25 (8.00)	7.50 (6.75)	7.00 (7.00)

*Unit: mm Values for HP5Si Mopier in parentheses
* Surveyed on PageMaker6.0 and Win31 Driver

- Documents with graphic images, stylized fonts and font effects may not be printed normally (PCL Drivers)
[Countermeasure]
The problem does not occur if "Always Use Host Fonts" is selected in Fonts Tab on the driver and printing is executed.
- [Help] is not displayed in the Windows NT4.0 PCL Driver.
[Countermeasure]
Limitation

- Up to Paper Tray 6 can be selected in the Windows NT4.0 PCL5e Driver, whether there is Lower Cassette or not.
[Countermeasure]
Modification is planned in STEP2.
- If print image FAX is executed with 600dpi set for resolution and YES for Cover Sheet in the Windows95 PCL5e driver, space between lines on the fax image turns improper.
[Countermeasure]
Set 300dpi for resolution when the print image FAX is used. (Explained in Release Note). The program is to be modified in STEP2.
- An address book for FAX cannot be displayed from Adobe PageMaker6.5 in Windows95 PS Driver.
[Countermeasure]
No modification is planned because the problem lies in the application side.
- When printing is executed via AppleTalk or TCP/IP in Windows NT4.0 PS driver, if "pscript.sep" is used as separator page, the separator page is not printed normally.
[Countermeasure]
"sysprint.sep" must be used for the separator page in Postscript.
- Chicago fonts are printed out incorrectly, when printed from Macintosh.
[Cause]
It is necessary to switch fonts for Macintosh to fonts attached with User CD because this printer board is PostScript Level3. However, since Chicago fonts are always used in Macintosh System, they cannot be switched.
[Countermeasure]
Specification
- After PCL printer driver is installed in Windows3.1 environment, if PS printer driver is installed, the message "This driver cannot be upgraded because it is currently being used by Windows" appear and the installation cannot be executed.
[Countermeasure]
Explained in Release Note. Install PS Driver first, or reboot Windows after PCL driver is installed.
- When PCL driver is installed first in Windows95(French and Spanish), PS Driver cannot be installed.
[Cause]
The file, "EFMC5010.fax", is used both in PCL driver and PS driver. When this is installed with each driver, the date of the installed file is different respectively. (The old file is installed with PS Driver.)
[Countermeasure]
Explained in Release Note. PS driver should be installed prior to PCL driver.

(2-3)Web Tools

- Microsoft Internet Explorer 4.0x or Netscape Communicator 4.0x are recommended for Web Tools.
- Netscape Communicator 4.0x should be used for Token Ring Network.

(2-4)GP Main Body

- If 41 more two-sided copies of A4/LTR are directed to the sort bins, a jam tends to occur in the duplexing unit after generating 20 copies.
[Countermeasure]
Modification is planned in IP 58.01 and later.
- If a fax file containing data equivalent of 150 pages or more is handled, a system down tends to occur.
[Countermeasure]
Modification is planned in IP 59.xx and later.

- If a pick-up jam occur as a result of copying operation in a copier/printer combination, the printer fails to turn off the message "Unknown Copies" after recovery.
[Countermeasure]
Modification is planned in IP 59.xx and later.
- If the paper delivery jam occurs at the last page when duplex-printing of pages exceeding the maximum load of the duplexing unit is executed, the printer does not recover.
[Countermeasure]
Modification is planned in IP 59.xx and later.

3. User Software CD V1.0

The directory structure of User Software CD as follows;

```
\English ── Readme.txt
         ── \Instarls ── \Win31 ── \Download
                                  \Spooler
                                  \PCL_drvr (EFMC5010.PDD:46766bytes:April.03.1998)
                       ── \Win95 ── \Download (Fiery Downloader 3.2.010)
                                  \PCL_drvr (EFMC5010.PDD:46766bytes:April.03.1998)
                       ── \Win_NT4 ── \Download (Fiery Downloader 3.2.010)
                                  \PCL_drvr (EFMC5010.PDD:46766bytes:April.03.1998)

\Deutsh     (EFIMC5010.PDD:46905bytes:April.03.1998)
\Espanol    (EFIMC5010.PDD:47024bytes:April.03.1998)
\Francais   (EFIMC5010.PDD:46839bytes:April.03.1998)
\Italiano   (EFIMC5010.PDD:46947bytes:April.03.1998)

\PSoption ── \English ── \Instalrs ── \PS_drvr ── \Win_31 (based on Adobe PS3.0.1)
                                                  (EFIMC5010.PPD:92316bytes:March.23.1998)
                                                  \Win_95 (based on Adobe PS4.2.2)
                                                  (EFIMC5010.PPD:93926bytes:March.10.1998)
                                                  \Win_NT4 (based on MS PSCRIPT.DRV)
                                                  (EFIMC5010.PPD:92629bytes:March.23.1998)
          ── \Deutsh ── \Instalrs ── \PS_drvr ── \Win_31 (EFIMC5010.PPD:92674byes:March.23.1998)
                                                  \Win_95 (EFIMC5010.PPD:94284byes:March.23.1998)
                                                  \Win_NT4 (EFIMC5010.PPD:92985byes:March.23.1998)
          ── \Espanol ── \Instalrs ── \PS_drvr ── \Win_31 (EFIMC5010.PPD:92735byes:March.23.1998)
                                                  \Win_95 (EFIMC5010.PPD:94272byes:March.23.1998)
                                                  \Win_NT4 (EFIMC5010.PPD:93054byes:March.23.1998)
          ── \Francais ── \Instalrs ── \PS_drvr ── \Win_31 (EFIMC5010.PPD:92569byes:March.23.1998)
                                                  \Win_95 (EFIMC5010.PPD:94094byes:March.23.1998)
                                                  \Win_NT4 (EFIMC5010.PPD:92904byes:March.23.1998)
          ── \Italiano ── \Instalrs ── \PS_drvr ── \Win_31 (EFIMC5010.PPD:92642byes:March.23.1998)
                                                  \Win_95 (EFIMC5010.PPD:94245byes:March.23.1998)
                                                  \Win_NT4 (EFIMC5010.PPD:92975byes:March.23.1998)
\SW_Patch ── systemsw.web (Patch file to enable the newest driver to be downloaded from Web Tools)
             *NOTE : Not used in this version
------------------------------------ Macintosh Software ------------------------------------

Installers(EFIGS) ── Fiery Downloader 3.2.010
                     Fiery Spooler     3.2.007a

PS Option ── Fonts ── Screen Fonts

          ── Installers ── Canon GP PS-D1 Ver1.0(91278bytes) Based on Adobe PS 8.5.1
          ── Aktualisieren ── Canon GP PS-D1 Ver1.0(91636bytes)
          ── Instaladores ── Canon GP PS-D1 Ver1.0(91697bytes)
          ── Programmes d'installation ── Canon GP PS-D1 Ver1.0(91531bytes)
          ── Programmi di installazione ── Canon GP PS-D1 Ver1.0(91604bytes)
```

4. Coming Upgrades

(4-1) **Release of System v1.01 (Released on May 21)**

This system “enables the latest printer driver to downloaded via Web Installers”.
For more details, see Service Bulletin GP-GEN-008A.

(4-2) **Release of System v1.1 [=STEP2] (Planned at the middle of June)**

This system will support NetSpot v2.4 and User Interface will be modified on the printer driver.

5. Combination of ROMs

GP215 IP	Ver.49.02 and later
GP215 D-CON	Ver.37.01
Multi Tray-B2/B3	Ver.3.04
System Power Supply Assembly	FG6-3636-000 (220/240V)
Switch Regulator PCB Unit	FH3-2558-000 (220/240V) Note: You cannot use FG5-6323/FH3-2460 for GP-D1/E1.

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Service Bulletin

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Model : **Network Multi PDL Board-D1**
Network Printer Board-E1

No.: GP GEN-008A
(98SQE0-B0018)

DATE: 26.06.98

Location : SYSTEM SOFTWARE V1.01

Subject : VERSION UP

1. Outline

System Software V1.01 for the controllers for GP215/210, “Network Multi PDL Board-D1 (PS/PCL)”, “Network Printer Board-E1 (PCL)” (GP-D1/E1) was released.

2. Details

The difference between V1.0 and V1.01 of the system software is explained below.

Since the printer drivers downloaded from Web Installer were older than the drivers contained in the User CD, downloading the drivers of the newest version is enabled.

3. Service Parts

Investigating

-BROM.EFI (2392KB: March.17.1998) =Data for Boot ROM (Do not use).
-GP200216.UM (94261KB:April.28.1998) =System Software Ver1.01
-PSUPGRAD.EFI (26001KB:March.18.1998) =For PS Upgrade (Use only GP-D1)

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Service Bulletin

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Issued by Canon Europa N.V.

Model : Network Interface Board-E2e
Network Interface Board-E3e

No.: GP-GEN-009
(98SQE0-B0021)

DATE: 21.08.98

LOCATION: **Network Interface Board-E2e/E3e Ver.3.26/3.27**
SUBJECT: **Version Up**

1. Outline

Network Interface Board-E2e/E3e (NIB-E2e/E3e) Ver.3.26/3.27 were released.

2. Details

Here are the modifications in the NIB-E2e/E3e as compared with Ver.2.24/2.25.

2-1. These boards support the automatic acquisition of IP addresses from the DHCP server.

The IP address setting with DHCP can be setup via one of the following two ways:
a) Setting from GP control panel (see DHCP.pdf, for more information).
b) Setting from NetSpot v.2.4 (see Online Manual in the NetSpot 2.4, for more information).

2-2. The NIB-E2e/E3e specification allows for two simultaneous TCP/IP printing connections. When a 3rd connection is requested, the request was previously ignored and the job was lost. Now, the request is reset until a connection becomes available.

E.g. when printing consecutive multiple jobs from Solaris 2.6, some jobs were missing.

2-3. The problem in which printing fails via the Router when the GP and the Client PCs are connected to different network address classes, has been corrected.

E.g. while the client PC is connected to Class C of the network, the GP is to Class B.

3. Combination of ROMs

3-1. NIB-E2e Ver.3.27

GP55F	MMI v50.18/IP v43.01/D-CON v22.01
GP30	ICORE v32.01 and later/IP v17.01 and later/D-CON v3.01
MDC	NCORE v90.01/PSPCL v15.11/PCL5e v15.12

3-2. NIB-E3e Ver.3.26

GP200/215	IP v49.02 and later/D-CON v37.01/PRCON v7.01 PSPCL v4.01/PCL5e v4.01

4. Parts Number

4-1. NIB-E2e Ver.3.27

FF3-2691	Check Sum = FC10 h
FF3-2692	Check Sum = A777 h

4-2. NIB-E3e Ver.3.26

FF3-2305	Check Sum = FC11 h
FF3-2306	Check Sum = A775 h

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Service Bulletin

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Issued by Canon Europa N.V.

Model : GP30-55/200

No.: GP-GEN-010
(98SQE0-B0022)

DATE: 21.08.98

LOCATION: **Windows NT4.0 PCL5e Printer Driver V3.0a**
SUBJECT: **New Release**

1. Outline

GP30-55/200 Windows NT4.0 PCL5e Printer Driver v.3.0a was released. For more detailed information, please refer to README.txt file that comes with the printer driver.

2. Details

2-1) System requirements

As of the time the GP Windows NT4.0 PCL5e Printer Driver v.3.0a was released, the system requirements are as follows:

This driver operates with Windows NT4.0 with Service Pack #3 (and later) installed. If you use Automatic Configuration with Canon Network Interface Board, you must also install both the Netware Compatible Client software that is available with Windows NT4.0 and the following five Netware Client files onto your client computer:

NWIPXSPX.DLL	(dated 10-18-94)
NWPSRV.DLL	(dated 10-06-94)
NWLOCALE.DLL	(dated 09-20-94)
NWNET.DLL	(dated 10-18-94)
NWCALLS.DLL	(dated 12-06-94)

These files must exist in either the \Winnt40\System directory.

2-2) Driver installation

MS Networking for NT4.0 should be installed under “Network” in your control panel even if the GP device will not be used as a network printer.

You must have Administrator rights to install the Fax functionality with the Printer Driver. This is necessary to run the Fax service in Windows NT4.0. Normal Users and Power Users do not have the rights to enable this service.

2-3) Restrictions

The Network Interface Board-E2e/E3e cannot operate with the “Automatic Configuration” mode when it is using NDS mode. Instead, you should use Bindery mode or disable the “Automatic Configuration” mode.

A problem has been experienced when connecting to a Novell NDS Server (v4.11) with Service Pack4 installed. Novell has provided a workaround that is as follows:

1. After SP4 installed, modify the Startup.ncf file from
   “LOAD C:\NWSERVER\PK411.NLM” to
   “LOAD C:\NWSERVER\PK411.NLM”, “PMUNLOAD TSKSZERFX.NLM”

2. Save file and restart the server for change to take affect or run “PMUNLOAD TSKZERFX.NLM” at the console prompt for the change to take affect without restarting the server.

When printing with “Microsoft TCP/IP Printing” with the “Network Interface Board-E2e/E3e” installed in your GP, you should enter the same name into the “Name or Address of server providing lpd” of the “Add LPR compatible printer” dialog that you have entered as the name under “Device Information” in NetSpot. If the name is not known, leave it blank. Failure to do this may cause a fatal error in the driver.

Windows NT4.0 must be installed with the MS Networking components. If the driver has been installed prior to installing MS Networking, the following steps should be taken:

1. Install MS Networking for NT4.0 under “Network” in your control panel.
2. Install or re-install Service Pack#3 or later.
3. Re-install the printer driver.

3. Combination of ROMs

3-1) GP200 series

IP	Ver.49.02 and later
D-CON	Ver.37.01
PS/PCL	Ver.4.01
PCL5e	Ver.4.01
NIB-E3e	Ver.2.24 and later

3-2) GP55/30 series

GP55F MMI	Ver.50.18
GP55 IP	Ver.43.01
GP55 D-CON	Ver.22.01
GP30 ICORE	Ver.32.01 and later
GP30 IP	Ver.17.01 and later
GP30 D-CON	Ver.3.01
MDC NCORE	Ver.90.01
PSPSCL	Ver.15.11
PCL5e	Ver.15.12
NIB-E2e	Ver.2.25 and later

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MODEL: **Network Multi PDL Printer Board-D1**
Network Printer Board-E1

No. : GP-GEN-011
(98SQE0-B0035)
Date : 23.10.98

LOCATION: BOOT ROM
SUBJECT: HOW TO UPGRADE BOOT ROM

1. Outline

How to upgrade the Boot ROM on the Network Multi PDL Printer Board-D1 and the Network Printer Board-E1 (GP PSPCL-D1/E1) will be informed. This Boot ROM is a flash ROM and can be upgraded by downloading the data from a PC via the Parallel port.

2. Details

How to update the Boot ROM on a GP PSPCL-D1/E1 is explained below.

1. Connect GP-PSPCL and PC by parallel cable and start GP Downloader on the PC.
   =Caution! :GP Downloader does not require specific settings for parallel communication.
2. Go into the [Setup] mode on GP PSPCL-D1/E1.
3. Check the Boot ROM version in [Flash Info] -> [Boot Block] / [Main Block].
   =The latest version as of October 19 is “V.1.4.2.1 08/13/98”.
4. Press [Update Flash].
5. “Please copy flash update file to the parallel port” appears on the GP control panel.
6. Download “Brmf2p1a.efi” in the System CD V1.11 by specifying [Select] -> [Download] with GP Downloader on PC.
7. “Receiving…xx %” appears on the control panel.
8. “Cleaning Port. Please Wait…” appears on the GP control panel after the file is downloaded.
9. Select [Yes] for “New ROM V.xxxx Upgrade?”
10. “Updating…. Do NOT turn off” appears.
    =Caution! : Make sure that you do not turn the GP off.
11. “Finished. Wait…” and then “Turn system off and on” appears.
12. Go into [Setup] and check the Boot ROM version.

3. Modification History

Modification History of the Boot ROM is explained below.

(1). V1.4.2
Initial version

(2). V1.4.2.1 07/13 version
The problem that the system does not operate normally because of variation of hardware when GP PSPCL-D1/E1 are started was corrected.

(3). V1.4.2.1 08/13 version
The mode which checked the type of DIMM in the process of system operation was removed (when types of memory which can be attached in the market are increased, former Boot ROM does not recognize them).

4. Others

(1). When you upgrade from GP PSPCL-D1/E1 V1.0 to V1.1/V1.11 for the European market, please update the Boot ROM at first.
(2). Boards which are installed the latest Boot ROM (V.1.4.2.1 Aug. 13 version) is switching into on GP PSPCL-D1/E1 are under investigation.

Canon SERVICE BULLETIN **COPIER**

Issued by Canon Europa N.V.

MODEL: **Network Multi PDL Printer Board-D1**
Network Printer Board-E1

No. : GP-GEN-012
(98SQE0-B0037)
Date : 23.10.98

LOCATION: SYSTEM SOFTWARE AND PRINTER DRIVER
SUBJECT: VERSION 1.1/1.11 RELEASE

1. Outline

Here is information regarding the release of Network Multi PDL Printer Board-D1 and Network Printer Board-E1 (GP PSPCL-D1/E1) Version 1.1/1.11.

2. Details

(2.1) Changes on Specification from V1.0 to V1.1/V1.11

(2.1.1) NetSpot supported (NetSpot 2.4 in Europe/ Asia and 2.5 in North America).
(2.1.2) Canon GUI is employed for User Interface of PCL Driver for Windows 95/NT4.0.
(2.1.3) Shifting the paper source for the first page is enabled within one job.
(2.1.4) Auto Configuration is supported in the printer driver.
(2.1.5) The installation method of the printer driver is changed from INF file format to Installer program.

(2.2) Program Modifications from V1.0 to V1.1/1.11

(2.2.1) “Output Bin” is selectable in [Copier Setup] on GP-D1/E1 on GP with Multi Tray-3.
(2.2.2) When PCL printing only is set on GP-D1 or GP-E1, even if Tabloid/A3 is specified in Job page size of [Job Log Setup], the data is printed out on Letter/A4.
(2.2.3) Up to Paper Tray 6 can be selected in Windows NT4.0 PCL driver, whether there is Lower Cassette or not.
(2.2.4) If print image fax is executed with 600dpi set for resolution and Yes for Cover sheet in Windows95 PCL driver, space between lines on the fax image turn improper.
->The latest driver automatically changes the resolution to 300dpi when print image fax is selected.
(2.2.5) Stapling Document, A4, 2-sided, reverse page order, is only correct if “Face Down” is selected. (Complaint from Canon DEU).
(2.2.6) Print the first page from a paper cassette, then the rest of the document from a different cassette, the output is sent to separate bins. (Complaint from Canon DEU).
(2.2.7) Sending Fax without recipient is possible, and gives error messages on the GP (Complaint from Canon DEU).
(2.2.8) German Umlautes are not printed on a fax coversheet. (Complaint from Canon DEU).
(2.2.9) Bitmap images on a fax coversheet are greatly enlarged. (Complaint from Canon DEU).
(2.2.10) Winword document – Ariel true type font. In certain cases, Letters are printed on top of each other. (Complaint from Canon DEU).
(2.2.11) Date and time on a fax coversheet are printed in a mixed sequence. (Complaint from Canon DEU).
(2.2.12) Duplex printing is permitted when “Transparency” media is selected. (Complaint from Canon DEU).
(2.2.13) AUI port sometimes does not work correctly.

(2.3) Known Bugs

(2.3.1) [NT4 PS and PCL Driver] Point and Print does not work correctly.
(2.3.2) [All Printer Driver] Setup program of GP-D1/E1 printer driver cannot select the network port.
(2.3.3) [All Printer Driver] All Drivers do not remember the user's cover sheet information.
(2.3.4) [All Printer Driver] Cannot enter a manual recipient in the send fax dialogue.
(2.3.5) [NT4 PCL DRIVER] Virtual memory runs low when using the driver from Windows NT4.0.
(2.3.6) [NT4 PCL Driver] Cannot print landscape when two copies of the NT driver are installed.
(2.3.7) [NT4 PCL Driver] Slovenian special characters cannot print correctly.
(2.3.8) [NT4 PS Driver] Unable to print image fax through Netware and SMB.
(2.3.9) [All Printer Driver] Cannot cancel a fax job.
(2.3.10) [NT4 PCL Driver] The euro currency symbol does not print correctly.
(2.3.11) [NT4 PCL Driver] The PCL Driver V1.1 does not follow the NT standard.

*Problems (2.3.1) through (2.3.9) will be fixed in V1.2 (to be released in December, 1998).
*Problems (2.3.10) through (2.3.11) will be fixed in the PCL printer driver maintenance release (1st or 2nd quarter of 1999?).

3. Procedure for Updating

Upgrading of Boot ROM and System Software should be conducted in the following procedures. When you upgrade the system software, make sure to format HDD.

(3.1) Update of the Boot ROM (See Service Bulletin GP-GEN-011)
(3.2) Update of the System Software (Please see the Service Manual or Service Bulletin Gen-604A Rev. 1).

4. Combinations of ROMs

GP200/215 IP	v59.04 (Europe)	v61.04 (US)
GP200/215 D-CON	v37.01	
GP-D1/E1 Boot ROM	v1.4.2.1 08/13 version	
GP-D1/E1 Systemv1.11		

Note:
Operations are possible with v49.02 or later IP version of GP200/215, however, the following problems are existing. (modified in the latest IP).

-If 41 or more two-sided copies of A4/LTR are directed to the sort bins, a jam tends to occur in the duplexing unit after generating 20 copies.
-If a fax file containing data equivalent of 150 pages or more is handled, a system down tends to occur.
-If a pick-up jam occurs as a result of copying operation in a copier/printer combination, the printer fails to turn off the message "Unknown Copies" after recovery.
-If the paper delivery jam occurs at the last page when duplex-printing of pages exceeding the maximum load of the duplexing unit is executed, the printer does not recover.

5. Remarks

(5.1) When you use the V1.1/1.11 printer driver, make sure that the V1.1/1.11 system is installed.

Operations from the combination of V1.1 drivers under V1.0 system are not guaranteed.

(5.2) Difference between GP-PSPCL D1/E1 V1.1 and V1.11 is only one problem explained below is modified.

Problem: Spanish module is installed when the Italian PS driver for Windows95 is installed.

(5.3) When you install V1.1 printer driver, make sure that V1.0 printer drivers are uninstalled.

(5.4) Printer Drivers for Windows95 are usable under Windows98 environment.

Operations were confirmed at QA test of Canon Inc.

(5.5) Printing of Euro currency symbol

(5.5.1) Windows95 PCL Driver

Printable if [Always Use host fonts] [Fonts Downloading=Bitmap] are specified in the [Font] tab.

(5.5.2) Windows NT4.0 PCL Driver

Euro symbol cannot be printed in the current version. This phenomenon is to be handled by updating a driver.

(5.5.3) Windows95/NT4.0 PS Driver

Printable if [Send True Type fonts as Bitmaps(Win95) or [True Type font=Download as softfont (WinNT4.0)] is specified.

6. Coming Upgrades

(6.1) Release of System V1.2

This system will support “Fax 200 destination broadcasting” “MacIntosh PS Printer driver Fax support” and some major filed claims will be fixed.

(6.2) PCL Driver Modification

Canon Inc. will release new PCL printer driver (LIPS based PCL driver) in 1999 1Q-20.

7. Parts Number

System CD v1.11	FE1-4925-020	EFI P/N: 45002131
User CD v1.11	FE1-4924-010	EFI P/N: 45002133
Media Pack v1.1 for English	FE1-4922-010	EFI P/N: 10011961
Media Pack v1.1 for French	FE1-4957-010	EFI P/N: 10011962
Media Pack v1.1 for German	FE1-4958-010	EFI P/N: 10011963
Media Pack v1.1 for Italian	FE1-4959-010	EFI P/N: 10011964
Media Pack v1.1 for Spanish	FE1-4960-010	EFI P/N: 10011965
Document Pack v1.1 for English	FE1-4923-010	EFI P/N: 10006437
Document Pack v1.1 for French	FE1-4961-010	EFI P/N: 10006438
Document Pack v1.1 for German	FE1-4962-010	EFI P/N: 10006439
Document Pack v1.1 for Italian	FE1-4963-010	EFI P/N: 10006440
Document Pack v1.1 for Spanish	FE1-4964-010	EFI P/N: 10006441

Canon SERVICE BULLETIN **COPIER**

Issued by Canon Europa N.V.

MODEL: **Network Multi PDL Printer Board-D1**
Network Printer Board-E1

No. : GP-GEN-013
(98SQE0-B0038)
Date : 27.11.98

LOCATION: PRINTER DRIVER CLEANUP
SUBJECT: VERSION 1.0 PRINTER DRIVER CLEANUP PROCEDURE

1. Outline

Here is information regarding the removal of V1.0 Printer Driver when upgrading from Version 1.0 to Version 1.1/1.11 of Network Multi PDL Printer Board-D1 and Network Printer Board-E1 (GP PSPCL-D1/E1).

Note: This uninstall procedure is only available for GP PCL-D1/E1 or GP PS-D1 V1.0 Printer driver.

2. Details

In Windows 95 and Windows NT, the Version 1.01 driver can be deleted through the Delete command:

Select [Start button] ➡ [Settings] ➡ [Printers] ➡ [Delete] for “GP PCL-D1/E1 V1.0” and re-boot the computer. In the cases that you cannot remove Version 1.0 properly or you cannot install the V1.1/1/11 driver correctly, please follow the manual removal procedures explained below.

(2.1) Windows95 Printer Driver

1) Reboot your PC
2) Delete icon(s) in Setting > Printers
3) Delete Oem*.inf file(s) in Windows\Inf
4) Delete all files in Windows\Spool\Printers
5) Delete all files in Windows\Temp
6) Delete the following files in the Windows directory (if they appear)
   Efg*.*, Efi*.*, Efm*.*, Wtrmrk.ini
7) Delete the following files in Windows\System (if they appear)
   Adobe*.*, *.wpx, Efg*.*, Efi*.*, Efm*.*, FieryFax.adb, Gpf*.*, Ns1213.oim, nsat.oim, nscanon.oim, nshr.oim, nsmib.oim, nsnwipx.dll, nsoim.dll, nsprn.oim, nssnmp.dll, nssock.dll, nssrvc.dll, nstrans.dll, Pscript.ini, P16help.exe, Ppgprint.ini, Tab16d20.dll, Thkdll16.dll
   Before you delete the fax address book data (FieryFax.adb), make sure to rename or save this file.
8) Empty the Recycle Bin
9) Select Run in the Start Menu, type regedit, and click OK
   Expand HKEY_LOCAL_MACHINE\SOFTWARE
   Delete entire EFI key (this key has the information Auto Configuration)
   For example:
   [Canon GP PCL-D1/E1, FILE]
   FontSummary=C:\Windows\Efmc5011.F00
   Or
   [PostScript,\\Server2_411\Printqueue1_print]
   ATM=placeholder
10) Reboot your PC

(2.2) Windows NT4.0 Printer Driver

1) Reboot your PC
2) Delete icon(s) in Setting > Printers
3) Delete following files and directories in \Winnt40\System32\Spool\Drivers\W32x86
4) Delete the following files in \Winnt40\System32\directory: (if they appear)
   ns1213.oim, nsat.oim, nscanon.oim, nshr.oim, nsmib.dll, nsoim.dll, nsprt.oim, nssnmp.dll, nssrvc.dll, nstrans.dll, FieryFax.adb
   Before you delete the fax address book data (FieryFax.adb), make sure to rename or save this file.
5) Delete wtrmrk.ini file in \Winnt40\
6) Select Run in the Start menu, type regedt32, and Click OK
7) Bring the HKEY_LOCAL_MACHINE window to be foreground
8) Delete all values in:
   System\CurrentControlSet\Control\Print\Environment\Windows NT x86\Drivers
9) Delete all page sizes in System\CurrentControlSet\Control\Print\Forms
10) Delete OEM folder(s) in System\CurrentControlSet\Control\Print\Printers
11) Delete Software\EFI folder
12) Select Exit in the Registry menu and then hard reboot your PC (not just log off)

(2.3) Notes

1) If you are unable to delete a file because it is in use, continue with the other steps, reboot the machine, then delete the file before reinstalling a new driver.
2) When you install the new printer driver, if you get the window with the message “A driver is already installed for this printer” and the choices to keep or replace the existing driver, you may have missed a part of cleanup. Re-do the cleanup and reboot. You should not get this message if you’ve thoroughly cleaned the system.

3. Batch Files

The batch files which execute the above-mentioned procedures automatically (_clean95.bat & _cleanNT, bat) will be available on the CENV_BBS.

This batch file should be placed in Windows System directory to execute this program.