Barcode & OCR Printing

Device Information

Version: 1.57

Abstract
This document contains device model specific information relevant for OCR text and Barcode printing.

Published by
Ricoh Company Ltd.

C o n t e n t s

Notice

This document is only available in English.

Trademarks
Microsoft®, Windows®, Microsoft Windows™, Windows 95™, MS Windows and MS are registered trademarks of Microsoft Corporation in the United States and/or other countries.
PCL® is a registered trademark of Hewlett-Packard Company.
All named company names and/or products are trade names or registered trade names of the named companies.
Other product names used herein are for identification purposes only and might be trademarks of their respective companies. We disclaim any and all rights in those marks.

Important notice
Parts of this document are subject to change without prior notice.

1 [Appendix D] Device-specific information

The table below lists all printer and MFP devices that support Barcode & OCR printing.
For each, it specifies:
- the device class ID [DCxx] (which is used throughout this documentation to identify device models; please refer to Volume 1 for their meaning)
- the controller type <c> (determining the HDD/eMMC font download or remove file syntax to be used)
- the name of the lpr port (printer queue/port name)
- the HDD or eMMC directory path name (to be used for font download)
- the font source (support of DIMM or SDcard; besides HDD or eMMC)

Device class			<c> (*c)		lpr port	Directory (HDD / eMMC)	Font source (*2)			
[DC04]			1		PORT1	0:\fonts	--			
[DC05]			2		lp	0:\pcl\fonts	--			
[DC06]			2		lp	0:\pcl\fonts	--			
[DC07]			2		lp	0:\pcl\fonts	--			
[DC08]			1		PORT1	0:\fonts	--			
[DC09]			2		lp	0:\pcl\fonts	DIMM			
[DC10]			2		lp	0:\pcl\fonts	--			
[DC11]			2		lp	0:\pcl\fonts	DIMM			
[DC12]			2		lp	0:\pcl\fonts	--			
[DC13]			2		lp	0:\pcl\fonts	--			
[DC14]			2		lp	0:\pcl\fonts	DIMM			
[DC15]			2		lp	0:\pcl\fonts	DIMM			
[DC16]			2		lp	0:\pcl\fonts	--			
[DC17]			2		lp	0:\pcl\fonts	--			
[DC18]			2		lp	0:\pcl\fonts	DIMM			
[DC19]			2		lp	0:\pcl\fonts	--			
[DC20]			2		lp	0:\pcl\fonts	DIMM			
[DC21]			2		lp	0:\pcl\fonts	DIMM			
[DC22]			2		lp	0:\pcl\fonts	DIMM			
[DC23]			2		lp	0:\pcl\fonts	--			
[DC24]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC25]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC26]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC27]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC28]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC29]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC30]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC31]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC32]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC33]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC34]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC35]			2		lp	-- n/a: no HDD	DIMM			
[DC36]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC37]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC38]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC39]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC40]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC41]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC42]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC43]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC44]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC45]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC46]			2		lp	-- n/a: no HDD	SDcard Type A			
[DC47]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC50]			2		lp	0:\pcl\fonts	SDcard Type A			
[DC51]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC52]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC53]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC54]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC55]			2		lp	-- n/a: no HDD	SDcard Type A			
[DC56]			2		lp	-- n/a: no HDD	SDcard Type A			
[DC57]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC59]			2		lp	0:\pcl\fonts	SDcard Type C/D			
[DC60]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC61]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC62]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC63]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC64]			2		lp	0:\pcl\fonts	SDcard Type B/C/D			
[DC68]			1		lp	0:\fonts	--			

[DC69]		2		lp	0:\pcl\fonts	SDcard Type B/C/D		
[DC70]		2		lp	0:\pcl\fonts	SDcard Type B/C/D		
[DC72]		2		lp	0:\pcl\fonts	SDcard Type C/D		
[DC73]		2		lp	0:\pcl\fonts	SDcard Type B/C/D		
[DC76]		2		lp	0:\pcl\fonts	SDcard Type B/C/D		
[DC77]		2		lp	0:\pcl\fonts	SDcard Type B/C/D		
[DC78]		2		lp	0:\pcl\fonts	SDcard Type C/D		
[DC79]		2		lp	0:\pcl\fonts	SDcard Type C/D		
[DC80]		2		lp	0:\pcl\fonts	SDcard Type C/D		
[DC81]		2		lp	0:\pcl\fonts	SDcard Type C/D		
[DC82]		2		lp	0:\pcl\fonts	SDcard Type C/D		
[DC83]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC84]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC85]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC87]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC88]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC89]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC91]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC92]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC93]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC94]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC95]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC96]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC98]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC99]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC100]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC101]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC102]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC103]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC107]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC108]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC109]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC110]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC112]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC113]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC114]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC115]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC116]		2		lp	0:\pcl\fonts	SDcard Type D		
[DC117]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC118]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC119]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC120]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC121]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC122]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC123]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC124]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC125]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC126]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC127]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC128]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC129]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC130]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC133]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC134]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC135]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC136]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC138]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC139]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC140]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC141]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC142]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC143]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC144]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC145]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC146]		2e		lp	0:\pcl\fonts	--		
[DC147]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC149]		2s		lp	0:\pcl\fonts	SDcard Type M52		
[DC151]		2		lp	0:\pcl\fonts	SDcard Type E		
[DC154]		2e		lp	0:\pcl\fonts	--		

Note: (*2) (Font source: SDcard Type)

Not all model variants are supported by this solution; refer to the corresponding User's Manual.
On "SDcard Type x/y" models, both Type y and Type y SDcards can be used.

Note: (*c) (<u>Controller type <c></u>)
The different controllers require a different download syntax, depending on the name of the HDD/eMMC folder where the font files have to reside.
The font download and remove files (PRN) therefore exist in 2 variants, tagged with "1" and "2".

Tag <c>	Storage type		Folder
1	HDD		`0:\fonts`
2	HDD		`0:\pcl\fonts`
2s	SSD		`0:\pcl\fonts`
2e	eMMC		`0:\pcl\fonts`

Note: (<u>Firmware version</u>)
It is normally recommended to always use the latest firmware on the device.
For the minimum or a special required firmware version required for a particular barcoding solution product, refer to the corresponding User's Manual.

<u>Models that support a Font DIMM</u> :
Tagged "DIMM" in the "Font source" column above.

<u>Models that support a Font SDcard</u> :
Tagged "SDcard Type A/B/C" in the "Font source" column above.

<u>Models that support no HDD</u> :
Tagged "-- n/a: no HDD" in the "HDD directory" column above.

1.1 [Appendices DPx] Device Procedures

The following sections contain several model-specific **procedures** to be performed on the printer device, for each device class [DCxx]:
- [Appendix DPD]   Insert the DIMM
- [Appendix DPF]   Print out the PCL Font list
- [Appendix DPF]   Print out the HDD Directory list
- [Appendix DPS]   Insert the Font SDcard

1.1.1 [Appendix DPD] (Procedure) Insert the DIMM

For the procedure to **insert the DIMM**, please refer to the separate documents (Acrobat PDF files) in the folder \doc\DIMM\ on the CD-ROM.
Note: For multi-functional devices the DIMM can only be inserted by support staff.

1.1.2 [Appendix DPF] (Procedure) Print out the PCL Font list and the HDD Directory list

This section contains the procedures to print out the **PCL Font list** and the **HDD Directory list** for each device model.
For instructions on how to enter the menu and how to select a menu item, please refer to the corresponding Operating Instructions manual of the corresponding device.

<u>Legend</u>:
- **(*e)** These models have eMMC storage instead of HDD.
- **(*n)** For these models a HDD is not supported.
- **(*s)** These models have SSD storage instead of HDD.

[<u>DC04, DC08</u>]

This procedure prints the <u>PCL Font list</u>:
  1.   Select: "Printer Features"
  2 .   Select: "List Print"
  3 .   Select: "PCL Font List"

This procedure prints the <u>HDD Directory list</u>:
  1.   Select: "Printer Features"
  2 .   Select: "List Print"
  3 .   Select: "Disk Directory List"

[<u>DC05, DC09, DC10, DC11, DC14, DC15, DC18(w/o CF), DC21, DC22, DC24, DC25, DC26, DC28, DC29, DC33, DC34, DC41, DC44, DC45, DC50</u>]

This procedure prints both the <u>PCL Font list</u> and the <u>HDD Directory list</u>:
  1.   Select: "List/Test Print"
  2.   Select: "PCL Config. Page"

[DC40, DC47, DC51, DC57, DC59, DC64, DC72, DC78, DC80, DC82]

This procedure prints both the PCL Font list and the HDD Directory list:
1. Select: "List/Test Print"
2. Select: "PCL Config./Font Page"

[DC06, DC12, DC16, DC27]

This procedure prints both the PCL Font list and the HDD Directory list:
1. Select: "Printer Features"
2 . Select: "List/Test Print"
3 . Select: "PCL Config. Page"

[DC07]

This procedure prints the PCL Font list:
1. Select: "List Print"
2. Select: "PCL Font List"

This procedure prints the HDD Directory list:
1. Select: "List Print"
2. Select: "Disk Directory"

[DC13, DC17, DC18(w/ CF), DC19, DC20, DC23, DC30, DC31, DC32, DC35(*n), DC36, DC37, DC38, DC39, DC42, DC43, DC46(*n), DC52, DC53, DC54, DC55(*n), DC56(*n), DC60, DC61, DC62, DC63, DC69, DC70, DC73, DC76, DC77, DC79, DC81, DC83, DC84, DC85, DC87, DC88, DC89, DC91, DC92, DC93, DC94, DC95, DC96, DC98, DC99, DC100, DC101, DC102, DC103, DC107, DC108, DC109, DC110, DC112, DC113, DC114, DC115, DC117, DC118, DC119, DC120, DC121, DC122, DC123, DC124, DC125, DC126, DC127, DC128, DC129, DC130, DC133, DC134, DC135, DC136, DC138, DC139, DC140, DC141, DC142, DC143]

This procedure prints both the PCL Font list and the HDD Directory list (unless not supported (*n)) :
1. Select: "Printer Features"
2 . Select: "List/Test Print"
3 . Select: "PCL Config./Font Page"

[DC68]

This procedure prints the PCL Font list:
1. Select: "Printer Features"
2 . Select: "Basic Configuration"
3 . Select: "Test Print"
4 . Select: "PCL Configuration / Font Page"

This procedure prints the HDD Directory list:
1. Select: "Printer Features"
2 . Select: "Basic Configuration"
3 . Select: "Test Print"
4 . Select: "Printer HDD Usage List"

[DC144, DC145, DC147, DC151]

This procedure prints both the PCL Font list and the HDD Directory list:
1. Select: "Settings" --> "Printer Settings"
2 . Select: "List/Test Print"
3 . Select: "PDL Information"
4 . Select: "PCL Confg./Font"

[DC146(*e), DC154(*e)]

This procedure prints the PCL Font list and the PCL eMMC Directory List:
1. Select: "Settings" --> "Printer Settings"
2 . Select: "List/Test Print"
3 . Select: "PDL Information"
4 . Select: "PCL Confg./Font"

[DC149(*s)]

This procedure prints the PCL Configuration Page, including the PCL Font List,
the PCL Internal storage Directory List, and the PCL SD Directory List:
1. Select: "Settings" --> "Printer Settings"
2 . Select: "List/Test Print"
3 . Select: "PDL Information"
4 . Select: "PCL Confg./Font"

1.1.3 [SUPPORT ONLY]

1.1.4 [Appendix DPS] (Procedure) Insert the Font SDcard

The SDcard version of the Barcode & OCR Package works only in some of the SDcard slots, depending on the MFP or printer device model.
Normally, the slot intended for the PostScript (PS3) SDcard also supports the Font SDcard of the Barcode & OCR Package.
This appendix contains the procedures for how to insert a Font SDcard on each device.

In case your device model is listed below, please follow the corresponding instruction.
For all other device models, please refer to the device's corresponding Operating Instructions manual.

[DC51]
Please insert the SDcard in the **left** slot.
(The **2 slots** are **horizontally** arranged.)

[DC26, DC40]
Please insert the SDcard in the **middle** slot.
(The **3 slots** are **horizontally** arranged. The leftmost slot is the maintenance slot; it may be covered by a plate.)

[DC25, DC28, DC29, DC45, DC50, DC56, DC59, DC61, DC62, DC64, DC72, DC76, DC77, DC78, DC79, DC80, DC82]
Please insert the SDcard in the **upper** slot.
(The **2 slots** are **vertically** arranged.)

[DC24, DC38, DC41, DC52, DC53, DC54, DC57, DC60, DC63, DC69, DC70, DC73, DC81]
Please insert the SDcard in the **lower** slot (slot 2).
(The **2 slots** are **vertically** arranged.)

[DC27, DC30, DC31, DC32, DC33, DC34, DC36, DC37, DC39, DC42, DC43, DC44, DC46, DC47, DC55]
Please insert the SDcard in the **middle** slot (second from the bottom).
(The **3 slots** are **vertically** arranged. The topmost slot is the maintenance slot.)

[DC35, DC68, DC146, DC154]
Font SDcard is not supported.

[DC83, DC84, DC85, DC87, DC88, DC89, DC91, DC92, DC93, DC94, DC95, DC96, DC98,DC99, DC100, DC101, DC102, DC103, DC107, DC108, DC109, DC110, DC112, DC113, DC114, DC115, DC116, DC117, DC118, DC119, DC120, DC121, DC122, DC123, DC124, DC125, DC126, DC127, DC128, DC129, DC130, DC133, DC134, DC135, DC136, DC138, DC139, DC140, DC141, DC142, DC143, DC144, DC145, DC147, DC151]
Insert the SDcard in the **lower** or **upper** slot at the left side of the device's mainframe. (Note that the slot at the right-hand side of the device front panel is only used for file printing; it does not support Font SDcards.)

[DC149]
Insert the SDcard in the slot at the left side of the device's mainframe.