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Canon UFR II Printer Driver for Linux Version 2.20


PLEASE READ THIS DOCUMENT CAREFULLY

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1. Introduction --
Thank you for using the Canon UFR II Printer Driver for Linux. This printer
driver provides printing functions for Canon printers operating under
the CUPS (Common UNIX Printing System) environment, a printing system that
operates on Linux operating systems.

2. Distribution File Structure of the Canon UFR II Printer Driver for Linux -----

The Canon UFR II Printer Driver for Linux distribution files are as follows:
Furthermore, the file name for the CUPS driver common module and printer driver
module differs depending on the version.

- README-ufr2-2.2xUK.txt (This document)
Describes supplementary information on the Canon UFR II Printer Driver for Linux.

- LICENSE-ufr2drv-2.2x.txt
Describes User License Agreement on the Canon UFR II Printer Driver for Linux.

- guide-ufr2-2.2xUK.tar.gz
Online manual that explains how to use the Canon UFR II Printer Driver for Linux.
This includes the system requirements, installation, and usage of the Canon UFR II
Printer Driver for Linux.
Because this file is in a compressed format, you need to extract it to the
appropriate directory before reading.

- cndrvcups-common-2.20-X.i386.rpm (for 32-bit)
- cndrvcups-common-2.20-X.x86_64.rpm (for 64-bit)
- cndrvcups-common_2.20-X_i386.deb (for Debian 32-bit)
Installation package for the CUPS driver common module used by the Canon UFR II
Printer Driver for Linux.

- cndrvcups-ufr2-uk-2.20-X.i386.rpm (for 32-bit)
- cndrvcups-ufr2-uk-2.20-X.x86_64.rpm (for 64-bit)
- cndrvcups-ufr2-uk_2.20-X_i386.deb (for Debian 32-bit)
Installation package for the Canon UFR II Printer Driver for Linux.

- cndrvcups-common-2.20-X.tar.gz
Source file for the CUPS driver common module used by the Canon UFR II Printer
Driver for Linux.

- cndrvcups-lb-2.20-X.tar.gz
Source file for the Canon UFR II Printer Driver for Linux.

3. Hardware Requirements --
This printer driver can be used with the following hardware environment.

Hardware: Computer that is enable to operate Linux, with x86 compatible CPU
          (32-bit or 64-bit)

Evaluated OS:
          Fedora 13 32-bit/64-bit
          Ubuntu 10.04 Desktop 32-bit

Previously Evaluated OS:
          Turbolinux 10 Desktop 32-bit
          Turbolinux 10 F... 32-bit
          Turbolinux 10 S 32-bit
          Turbolinux Version 11 FUJI 32-bit
          Turbolinux Home 32-bit
          Turbolinux 10 Server x64 Edition 64-bit
          MIRACLE LINUX V3.0 (Asianux Inside) 32-bit/64-bit
          MIRACLE LINUX V4.0 (Asianux Inside) 32-bit/64-bit
          Red Hat 9 32-bit
          Red Hat Professional Workstation 32-bit
          Red Hat Enterprise Linux v.4 32-bit/64-bit
          Red Hat Enterprise Linux v.5 32-bit/64-bit
          Mandriva Linux One 2008 32-bit
          Mandriva Linux One 2008 Spring 32-bit
          Mandriva Linux PowerPack 2008 32-bit/64-bit
          Mandriva Linux PowerPack 2008 Spring 32-bit/64-bit
          Mandriva Linux One 2009 32-bit
          SUSE LINUX PROFESSIONAL 9.3 32-bit
          Novell Linux Desktop 9 32-bit
          SUSE Linux 10.0 (openSUSE) 32-bit/64-bit
          SUSE Linux 10.1 (openSUSE) 32-bit/64-bit
          SUSE Linux 10.2 (openSUSE) 32-bit/64-bit
          SUSE Linux 10.3 (openSUSE) 32-bit/64-bit
          SUSE Linux 11.0 (openSUSE) 32-bit/64-bit
          SUSE Linux 11.1 (openSUSE) 32-bit/64-bit
          Fedora Core 4 32-bit/64-bit
          Fedora Core 5 32-bit/64-bit
          Fedora Core 6 32-bit/64-bit
          Fedora 7 32-bit/64-bit
          Fedora 8 32-bit/64-bit
          Fedora 9 32-bit/64-bit

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Fedora 10  32-bit/64-bit
Fedora 11  32-bit/64-bit
Fedora 12  32-bit/64-bit
Ubuntu 7.04 Desktop  32-bit
Ubuntu 7.10 Desktop  32-bit
Ubuntu 8.04 Desktop  32-bit
Ubuntu 8.10 Desktop  32-bit
Ubuntu 9.04 Desktop  32-bit
Ubuntu 9.10 Desktop  32-bit
Debian GNU/Linux 3.1 rev2  32-bit
Debian GNU/Linux 4.0  32-bit
Debian GNU/Linux 4.0r6 etchnhalf  32-bit
Debian GNU/Linux 5.02  32-bit
Vine Linux 3.1/3.1CR  32-bit
Vine Linux 4.1  32-bit
Vine Linux 4.2  32-bit
CentOS 5.3  32-bit/64-bit
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Supported Printer: LBP3360
                   LBP3370
                   LBP3460
                   LBP5360
                   LBP5960
                   LBP5970
                   LBP5975
                   LBP6650dn
                   LBP6750/3560
                   LBP7750C
                   imageRUNNER ADVANCE C2020/2030
                   imageRUNNER ADVANCE C2020/2030i
                   imageRUNNER ADVANCE C2020/2030L
                   imageRUNNER ADVANCE C2025
                   imageRUNNER ADVANCE C5030/C5030i/C5035/C5035i
                   imageRUNNER ADVANCE C5051/C5051i/C5045/C5045i
                   imageRUNNER ADVANCE C7055/C7065
                   imageRUNNER ADVANCE C9060/C9070 PRO
                   imageRUNNER ADVANCE C9065/C9075 PRO
                   imageRUNNER ADVANCE 6055/6055i/6065/6065i
                   imageRUNNER ADVANCE 6075/6075i
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imageRUNNER ADVANCE 8085/8095

imageRUNNER ADVANCE 8105

imageRUNNER2520/2520i

imageRUNNER2525/2525i/2530/2530i

imageRUNNER2535/2535i/2545/2545i

iR105+

iR1018

iR1020

iR1022

iR1024/1024A/1024F/1024i/1024iF

iR2016/2016i

iR2018/2018i

iR2020/2020i

iR2022

iR2025

iR2030

iR2230

iR2270

iR2318L

iR2320L/2320N

iR2420D/2420L

iR2830

iR2870

iR3025

iR3030

iR3035

iR3045

iR3225/3225N

iR3230/3230A/3230N

iR3235/3235A/3235N

iR3245/3245A/3245N

iR3530

iR3570

iR4530

iR4570

iR5055

iR5065

iR5075

iR5570

iR6570

iR7086

iR7095/7095P

iR7105

iR8070

iR85+

iR9070

iR C1021/C1021i

iR C1028/C1030

iR C2380i

iR C2550/C2550i

iR C2580i

iR C2880/C2880i

iR C3080/C3080i

iR C3180/C3180i

iR 3180C/3180Ci

iR C3380/C3380i

iR C3580/C3580i

iR C4080

iR C4580

iR C5180

iR C5185

iR C5870

iR C5880/C5880i

iR 5880C/5880Ci

iR C6870

iR C6880/C6880i

iR 6880C/6880Ci

imagePRESS C1

imagePRESS C1+

D400-450

D460-490

D500 Series

D1100 Series

MF4010 Series

MF4100 Series

MF4200 Series

MF4320-4350

MF4360-4390

MF4400 Series
                        MF4500 Series
                        MF4600 Series
                        MF5800 Series
                        MF6500 Series
                        MF6600 Series
                        MF7100 Series
                        MF8000 Series
                        MF8300 Series
                        MF8400 Series
                        MF9100 Series
                        MF9200 Series
                        MF9300 Series
                        L160
                        L3000 Series

Please see the online manual about the install method and the concrete usage.

4. Cautions, Limitations, and Restrictions ---------------------------------

- Ghostscript which includes common API is required to use this printer driver.
  Make sure to install Ghostscript before installing this printer driver.
  Refer to the following URL to find out how to get Ghostscript.
  http://opfc.sourceforge.jp/index.html.en

- If you install "cndrvcups-common" package version 2.20, make sure you install
  the same version of the "cndrvcups-ufr2" package, i.e. 2.20.

- Update install is not available when you update to the version 1.40 or later,
  as the file names are not consistent with the older versions. If you have
  older version on your computer, you have to uninstall the older driver then
  install the new driver.

- If more than two drivers are installed using the LIPSLX, UFRII(US), and UFRII
  (UK) driver install packages, and only one of these drivers is updated, an
  error will occur.
  This problem can be solved by updating all of the installed drivers together.

- When specifying multiple pages/copies for [Page Layout] in the [General]
  sheet to print a document created with StarSuite7/OpenOffice, due to a cause
  of operation by the CUPS module, settings are not correctly assigned to the
  multiple pages and output.

- PostScript files created with the number of copies specified in OpenOffice.org
  or StarSuite are affected not by the value specified by [Number of copies] in
  the [cngplp] dialog box (the driver UI), but by the number of copies set when
  creating the PostScript file.

- If settings are changed from the driver UI, during print processing, the
  printed result will reflect the changed settings.

- If [Brightness and Gamma] is specified in the [General] sheet from an
  application such as OpenOffice.org, GIMP, or Acrobat Reader v.5.0, the settings
  will be invalid.

- You cannot print a PDF document by directly specifying it from the desktop or
  command line. When printing a PDF document, it is recommended that you print
  it from Acrobat Reader or Adobe Reader.

- The maximum number of files that can be held in the print queue when printing
  is 500 according to CUPS specifications. Files queued after the 500th file will
  be ignored.

- If you are using SUSE LINUX Professional 9.3, the driver UI may display
  unintelligible characters. You can solve this problem using the following
  method.
  1) Log in as 'root'.
  2) Execute the following command to change the GTK+ environment settings.
       # cd /etc/
       # ln -s opt/gnome/gtk ./

- If you are using SUSE LINUX Professional 9.3, a warning may occur when you
  activate the driver UI. You can solve this problem using the following
  method.
  1) Open [K Menu] -> [Control Center].
  2) Select [Appearance & Themes].
  3) Select [Colors].

4) Deselect [Apply colors to non-KDE applications].

5) Close [Control Center].

- When printing from OpenOffice.org, some finishing functions such as [Rotate]
  may not operate correctly if you specify multiple copies for [Number of
  copies] in the driver UI.

- If you are using SUSE Linux 9.3 or SUSE Linux 10.0, and are printing from the
  [Print] dialog box of Mozilla or FireFox, because the multiple copies setting
  is not enabled, you can print only one copy regardless of how many copies you
  have specified. This problem can be solved by changing the following line in
  the file "/etc/cups/mime.convs".
  [Before change]
   application/mozilla-ps application/postscript 33 pswrite
  [After change]
   application/mozilla-ps application/postscript 33 pstops

- When performing banner printing in Fedora 8 or Fedora 9, if you specify a
  setting other than [none] for [End] under [Banner] in the [General] sheet,
  the print queue will stop.

- If you attempt to print from a Color iR printer using this driver in a 64-bit
  version of Fedora 9, Fedora 10, Fedora 11, Fedora 12, or Fedora 13 system
  environment, printing results may not be satisfactory.
  This is because when the 64-bit packages are installed by the standard
  installation method, the 32-bit JPEG library is not installed.
  This problem can be solved by installing the package as an additional
  installation.
  Execute the following command.
     <Fedora 9/10> # yum install libjpeg.i386
     <Fedora 11>   # yum install libjpeg.i586
     <Fedora 12/13>   # yum install libjpeg.i686

- To install the common module in the 64-bit version of Fedora 10, Fedora 11,
  Fedora 12, or Fedora 13, you need the 32-bit version glibc library.
  You can install the glibc library by executing the following command:
     <Fedora 10> # yum install glibc.i386
     <Fedora 11> # yum install glibc.i586
     <Fedora 12/13> # yum install glibc.i686

Also, printer drivers from version 1.90 onward require the the 32-bit version
of the xml2 library.
You can enable printing by executing the following command:
    <Fedora 10> # yum install libxml2.i386
    <Fedora 11> # yum install libxml2.i586
    <Fedora 12/13> # yum install libxml2.i686

- If you are using Fedora 11 and print with the print queue stopped after
  canceling a job, the job is suspended. In this case, click the [Maintenance]
  button in Printers in the CUPSWeb interface and select [Resume Printer] to
  perform the [pending since] job again.
  If you cannot find the [Maintenance] button, you can select [Resume Printer]
  by selecting [Pause Printer].

- If you are using OpenSUSE 10.2 or SLED10SP1, which includes Ghostscript
  version 8.15.3, you may not be able to print some documents. To solve this
  problem, install another version of Ghostscript.

- If you are using OpenSUSE 11.0 with Ghostscript version 8.6.x, printing from
  Evince, GIMP, or other applications may take time.

- Although Okular is the standard document viewer in the OpenSUSE 11.1 KDE
  environment, the printer driver functions do not operate correctly with it.
  You can solve this problem by using another application such as Acrobat
  Reader etc.

- If you are using Ubuntu 7.04/7.10/8.04/8.10/9.04 or Debian 3.1/4.0/5.0,
  the libcupsys2 library is required to install the common module.
  You can install the libcupsys2 library by executing the following command.
    # apt-get install libcupsys2

- If you are using Ubuntu 8.10, Ubuntu 9.04, Ubuntu 9.10, or Ubuntu 10.04, the
  printer will print with the default paper output method, regardless of whether
  you have specified the paper output method.
  This problem can be solved by changing the output paper method setting from
  the CUPS printer settings (Web).

- If you are using Ubuntu 8.10, specifying reverse order for printing does not

affect the print result.
This problem can be solved by updating CUPS.

- If you are using Ubuntu 8.10, Ubuntu 9.04, Ubuntu 9.10, or Ubuntu 10.04, when printing PDF data or PS data, brightness and gamma correction settings do not affect the print result.

- If you are using Adobe Reader 7.0.x, and modify such settings as Paper Size, Paper Source, Duplex Printing, etc. in the print dialog window, these options are automatically added to the printer command. However, these settings will not work because they cannot be recognized as command options. To solve this problem, use "-o" to separate each command options.
    [before] -o InputSlot=Manual,Duplex=DuplexNotumble
    [after]   -o InputSlot=Manual -o Duplex=DuplexNoTumble

- When printing PDF files using Adobe Reader 8, there may be instances where some image data is not printed.
  This problem may be solved by printing using Adobe Reader 7 or Adobe Reader 9, or setting Level 3 in the PostScript options.

- When performing 2-sided printing with Adobe Reader 8.1.2, if you specify [ON (Short-edged Binding)] for [Duplex Printing] in the print properties for Adobe Reader 8.1.2, the document will be printed on both sides with long-edged binding.
  This problem can be avoided by printing the document using the printer driver UI.

- If you are using Vine Linux 3.1, you may take time to print from Adobe Reader 7.0.9 or may not be able to print some documents.

- When printing PDF files containing Japanese characters from the command line in Vine Linux 4.1, there may be instances where Ghostscript terminates unexpectedly, causing printing to stop.
  This problem can be avoided by printing PDF files using Adobe Reader.

- When printing PDF files from Adobe Reader 8 in Vine Linux 4.1, there may be instances where Ghostscript terminates unexpectedly, causing the print queue to stop.
  This is caused by Ghostscript (7.07) not being able to analyze PS files created by Adobe Reader 8, and consequently terminating prematurely, thereby

stopping the filtering process.
This problem can be avoided by using Adobe Reader 7.

- When printing text files in landscape orientation in Vine Linux 4.1, Vine Linux
  4.2, Fedora 8, Fedora 9, or Red Hat Enterprise Linux v.5, there may be instances
  where the text file is printed in portrait orientation with some of the print
  data not being printed on the page.
  This is caused by the CUPS filter employed by the distribution you are using
  creating a PS command that is already set to portrait.
  Also, some of the functions provided in the CUPS standard filter "texttops"
  may not operate correctly.
  This problem can be avoided by changing the CUPS filter name specified in
  the "text/plain" entry line in the CUPS setting file "mime.convs" to the CUPS
  standard filter "texttops". This will result in Japanese characters being
  misprinted, therefore when printing Japanese characters, it is necessary to
  print a PS command created with a text editor or text/PostScript conversion
  program such as paps.

- If you specify Paper Source settings in the print dialog of an application
  such as Writer of OpenOffice.org, the settings made from the application are
  overridden by the printer driver UI settings. To print from the desired
  Paper Source, specify the Paper Source from the printer driver UI beforehand,
  or print from the command line.

- If you are using Debian GNU/Linux 4.0, a PPD file error may occur when you
  register the printer (PPD) with the print spooler. To solve this problem,
  use "-P (full path to the ppd)" instead of "-m" when you specify the ppd
  using the command line.
     Example: /usr/sbin/lpadmin -p iRC5180
              -P /usr/share/cups/model/CNCUPSIRC5180ZK.ppd
              -v lpd://192.168.1.10/iRC5180 -E

- If you are using Debian GNU/Linux 4.0, you may take time to print from Evince
  or may not be able to print some documents. To solve this problem, print the
  document from other application.

- If you are using Debian GNU/Linux 4.0 r6, and attempt to print a text file
  using the printer driver UI when EUC-JP is set as the locale, printing will fail.
  This problem can be solved by printing a PS command created with a text editor

or text/Postscript conversion program such as paps.

- If you are using Debian GNU/Linux 5.0.2, the gs-esp module is required to
  install the common module.
  You can install the gs-esp module by executing the following command.
    # apt-get install gs-esp

- Depending on the distribution you are using, when you register the USB printer
  with the print spooler specifying /dev/usb/lp* as [Device URI], printing may
  fail with an error "Printer not Connected" displayed. To solve this problem,
  specify the printer specific name as [Device URI] that is displayed by using
  the following command.
    Example) When you use MF4600 Series
    1) Display the [Device URI]
      # /usr/sbin/lpinfo -v
      direct usb://Canon/MF4600%20Series%20(FAX)
      direct usb://Canon/MF4600%20Series%20(PCL5e)
      direct usb://Canon/MF4600%20Series%20(PCL6)
      direct usb://Canon/MF4600%20Series%20(UFRII%20LT)
    2) Register the printer
      #lpadmin -p MF4600_USB -m CNCUPSMF4600ZK.ppd
                 -v usb://Canon/MF4600%20Series%20(UFRII%20LT) -E

- When printing PDF files from Adobe Reader in Mandriva, regardless of the
  version being used, there may be instances where Ghostscript terminates
  unexpectedly, causing the print queue to stop.
  This is caused by Ghostscript (8.60) not being able to analyze PS commands
  created using PS files for which security settings have been specified, and
  consequently terminating prematurely, thereby stopping the filtering process.
  This problem can be avoided by not printing PDF files that have security
  settings using Adobe Reader.

- If you are using Mandriva One 2008 Spring or Mandriva 2008 PowerPack with CUPS
  version 1.3.6, unintended print results may occur even when printing with
  standard CUPS print functions.
  This problem can be solved by updating CUPS.

- If your version of Ghostscript is 8.6.x, you may not be able to print some
  documents.

- There may be instances where MF4270, or L90/L160/L230 printers, depending on
  the environment and type of print data, cannot print due to a printer data
  error at the device end.
  This is caused by a time out error occurring at the device end.
  This problem can be avoided by turning the error time out setting off at the
  device.

- If the Finisher Q3 or Saddle Finisher Q4 is attached and you specify A4,
  Letter, or Legal as the page size, the document is not printed correctly when
  you attempt to print with [Binding Location] set to [Short Edge (Top)] and
  [Staple Position] set to [Top (Double)], or [Binding Location] set to
  [Short Edge (Bottom)] and [Staple Position] set to [Bottom (Double)], in
  the [Finishing] sheet.

- If you are using the iR C1021/C1021i, MF8400 Series, MF9100 Series, or
  MF9300 Series, although IPv6 can be set from the control panel of the printer,
  only IPv4 supports network connections.

- If you are using CentOS 5.3, you cannot print the number of copies as you
  specified in Evince.
  You can solve this problem by printing from other PDF viewers such as
  Adobe Reader or using the following methods.
  1) Set the number of copies to 1 and select a PS command for the output
     destination in Evince to output a file.
  2) Print the PS command output as a file after specifying the number of
     copies in cngplp.

- If you are using Ubuntu 9.04 and update the CUPS version to
  "1.3.9-17ubuntu3.2", printing will fail due to improper PS data.
  You can avoid this problem by downgrading the CUPS version to
  "1.3.9-17ubuntu3.1".
  <Downgrading with the apt-get command>
    - Execute the following command.
        # apt-get install cups=1.3.9-17ubuntu3.1
  <Downloading the CUPS1.3.9-17ubuntu3.1 package and downgrading with the dpkg
  command>
    - Download the package (cups_1.3.9-17ubuntu3.1_i386.deb) from the Ubuntu
       website (http://packages.ubuntu.com/en/jaunty/i386/cups/download) using

a Web browser etc., and then execute the following command.
dpkg -i cups_1.3.9-17ubuntu3.1_i386.deb

- If you are using Ubuntu 9.04, Ubuntu 9.10, Ubuntu 10.04, Fedora 11, Fedora 12, or Fedora 13, and print banner pages, the specified number of banner pages are printed.

- If you are using the 32 bit or 64 bit version of Fedora 13, and print a TIFF or JPEG file from the driver UI or command line, the printed image may be broken up. This problem can be solved by outputting the file as a PostScript file from an application such as GIMP, then printing from the command line by typing the PostScript command used to output the file after [cngplp].

- If you are using Fedora 13, even if you specify the brightness and gamma settings from the driver UI or the command line, these settings are not applied to the printed result from the second page onward.
This is due to these functions not being enabled because Ghostscript does not correctly recognize the PostScript data created by the application.

- If you change the output method to [Print] after specifying [Secured Print] as the output method and clicking [Save/Print Settings] in the driver UI, the name of the document you output using [Secured Print] is displayed in the job log of the printer. This problem can be solved by using the [Save/Print Settings] button instead of the [Print] button to print when changing the output method from [Secured Print] to [Print].

- After setting an entry or text view value, if you finish by clicking the [X] button at the top right of the dialog box, the value is treated as a valid value in the same way as when you click the [OK] button. If you want to disable the set value, click the [Cancel] button.

- The following characters are treated differently in different CUPS versions, therefore we recommend that you do not use them.
"#"
From CUPS version 1.4 onward, "#" is treated as a comment, therefore if you use it in a command line, the characters following "#" are not recognized as commands.
"¥"
If you enter "¥¥¥123", the command is recognized in the following way, depending on the version of CUPS:

```
  CUPS V1.1.22: ¥123
  CUPS V1.4.3: ¥¥123
```

- Depending on the version of GTK (GIMP Toolkit), some characters may be
  unintelligible when displayed on the screen, but this does not indicate
  a problem with the functions and values set. Redraw the corresponding text
  area to solve this problem.

- If you are using Fedora 12 or Ubuntu 9.10, when you change the default options
  from the CUPS Web interface, the default values will be saved even if there is
  a conflict between the settings for each function. Also, once the settings are
  saved with a conflict, you cannot save the settings again even if you use the
  Web interface to change them to the correct values where there is no conflict.
  If you display the [cngplp] dialog box in this situation, an invalid operation
  may occur.
  You can use the following methods to solve this problem:
  [Method 1] Fedora 12 (32-bit/64-bit) and Ubuntu 9.10
   Re-register the printer that performed the invalid operation.
  [Method 2] Fedora 12 (32-bit/64-bit)
   Execute the following command to update CUPS:
    <For Fedora 12 (32-bit)> # yum update cups.i686
    <For Fedora 12 (64-bit)> # yum update cups.x86_64

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Support
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This Software and Related Information are independently developed by Canon and
distributed by Canon local company. Canon as manufacturer of printers supporting
the Software and Related Information ("Canon Printers"), and Canon local company
as selling agency of Canon Printers, do not receive any user support call and
/or request or any requests for information about the Software and Related
Information. Any demand for information about Canon Printers including
information about the repair and supplies for Canon Printers should be directed
to Canon local company.
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