

# QL-800 / QL-810W / QL-820NWB

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at your side



## Professional Label Printer series

- Print in Black and Red to highlight important information
- Wide range of connectivity options
- PC, macOS® systems, iOS® and Android™ compatibility
- Standalone print with no PC connection required for QL-820NWB for Food and Retail industries



QL-800 label printers series offer unrivalled versatility not only for office but also for retail, food, postal services, facilities management and other industries.

Create labels with black and red\* print and up to 1 metre in length, from PC, macOS® systems, iOS®\*\* or Android™\*\* devices. Several wired and wireless connectivity options are available. There is an ability to print labels stored in the label printer's memory using the integrated LCD control panel on QL-820NWB or external devices connected to the label printer.

For developers and systems integrators who are looking to incorporate their label printing as a part of their solutions, Software development kits (SDK) for Windows®, iOS® and Android™ are available that provide an interface to QL-800 label printers series.



## Features



QL-800



QL-810W



QL-820NWB

	QL-800	QL-810W	QL-820NWB
Fast print speed – number of labels per minute	93	110	110
Print labels with both Black and Red* print	•	•	•
Label design software for PC or macOS® system (P-touch Editor)	•	•	•
Built-in label design software for PC or macOS® systems with no software or driver installation required (P-touch Editor Lite)	•	•	•
USB	•	•	•
Wi-Fi with AirPrint®		•	•
Wired Ethernet			•
Bluetooth® wireless connection to iOS® or Android™ devices			•
Standalone print of labels stored in printer memory			•
Optional Rechargeable Li-ion battery without power sources required		•	•
Software Development Kits (SDK) for Microsoft® Windows®***, iOS® and Android™ devices to add label printing to customised solutions	•	•	•

\* Requires DK-22251 62mm x 15.24m Red/Black on White Continuous Length Paper tape.

\*\* Red print capability from iPrint&Label app is available.

\*\*\* QL-800 supports only Microsoft® Windows® SDK.

Models availability differ by country. Please contact your local Brother Sales office for the models available.

## Versatile labelling options

Equipped with fast print speed and with the most connectivity options, QL-800 label printers series are the ideal solution for many business applications.

### Print Black and Red\* text without ink

Draw attention to important information by including red and black information on labels. Ideal for highlighting use-by dates, allergens and any other critical information.



### Wide range of connectivity options

All models allow easy connection to computers using USB. QL-810W incorporates with Wi-Fi. While the flagship QL-820NWB has additional Wired network and Bluetooth® wireless connectivity.

### Create labels in various sizes

Labels are available in a variety of Die-cut (pre-cut sizes) or Continuous length rolls that allow the built-in cutter to trim the label to the precise length and up to one metre.



### Print from Desktop, Mobile devices or Standalone

All models are PC or macOS® systems compatible. QL-810W and QL-820NWB can connect to Smartphones and tablets using built-in wireless connections. Select and print labels stored in the memory of QL-820NWB using the large LCD display and integrated control panel.

\* Requires DK-22251 62mm x 15.24m Red/Black on White Continuous Length Paper tape to print in Black and Red.

## Software solutions

With label design apps for computer, mobile devices and SDK to integrate with QL-800 label printers series into end-users applications, select the best option to print.



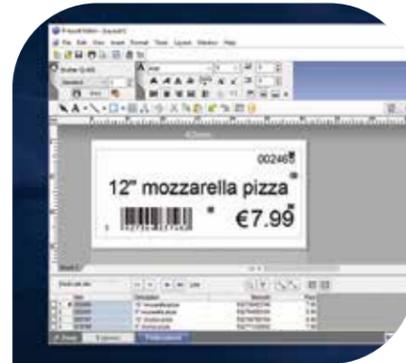
### Brother's P-touch Editor Lite\* / P-touch Editor Lite LAN\*

In-built inside QL-800 and QL-810W, this easy-to-use label design software works without the need to install software or drivers. Work like a USB flash drive, simply connect to PC or macOS® systems using USB and launch the software from the drive. Include images, frames and any fonts in the label design to print.

Network version is also available. Simply run the software to allow any computer in the office to print labels to one printer with no printer driver and software installation required.

### Brother's P-touch Editor with Microsoft® Office® Plugin

Design professional labels which include images and logos, barcodes and frames. Link to database files such as Excel® or .csv files etc and print as many labels quickly and efficiently. Microsoft® Office® plugin allows highlighting, clicking and printing from Word®, Excel® or Outlook®.



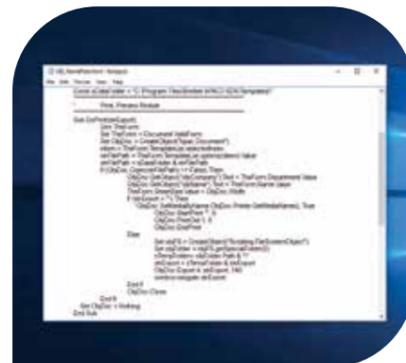
### Brother's iPrint & Label app\*\* for iOS®, Android™ Smartphones and tablets

Print labels on QL-810W and QL-820NWB via the free Brother's iPrint&Label app. Connect via Wi-Fi or Bluetooth® wireless connection (for QL-820NWB) and choose one of the pre-defined templates or quickly design label from scratch. This app is available from mobile device's app store by searching for "Brother iPrint&Label".

### Software Development Kits (SDK) for Windows®, iOS® and Android™

System integrators and software developers can use the various Brother SDK's that allow easy integration of label printing directly to their own apps and software.

For more information please visit  
<https://www.brother.co.jp/eng/dev/index.aspx>



\* Black print capability only. Uses P-touch Editor for Black and Red printing.  
\*\* Red print capability from iPrint&Label app is available.

## Advanced functionality

QL-820NWB with its standalone print function and remote FTP template update allows label printing directly from the control panel. This advanced connectivity options offer the widest compatibility for all devices.

### Standalone label printing

QL-820NWB has a large memory space to store label templates designed in P-touch Editor. Label templates can be uploaded into the printer's memory and accessed using the integrated control panel and backlit graphical LCD display. Ideal for printing current or future date and time on labels use in Food and Retail industries.



### Remote template update via FTP

Where QL-820NWB is deployed at multiple locations, updating the templates in all printers will be operation intensive. The printer can automatically connect to the FTP remote server. If there is any new templates, remote update will be performed automatically. This will help the organisation save time and money, while ensuring consistent operation at remote locations. This remote update can be done directly to the printer via internet, without the need of a computer connection.

### AirPrint®\* and Bluetooth® wireless connection with MFi® (iPod®, iPhone®, iPad®) Compatibility

QL-810W and QL-820NWB support Apple® AirPrint®\* with compatible apps on iOS® devices and macOS® devices. QL-820NWB offers Bluetooth® wireless connectivity that can connect to iOS® and Android™ devices easily.



\* iOS® and macOS® systems can only support Black print only when using the default AirPrint® function. Red print capability is available from iOS® devices using AirPrint® with the apps developed using Brother Software Development Kit (SDK).

# Office

There are many label applications around office. From address labels for envelopes to parcels, identify the contents of the files and storage boxes easily. Label the shelves so that items can be returned to the correct place.

The Black and Red\* printing capability enables essential information to be highly visible, such as validity dates on visitor badges. The continuous length film rolls are ideal for indoor signage, helping Facilities Managers to create bespoke signs on demand.

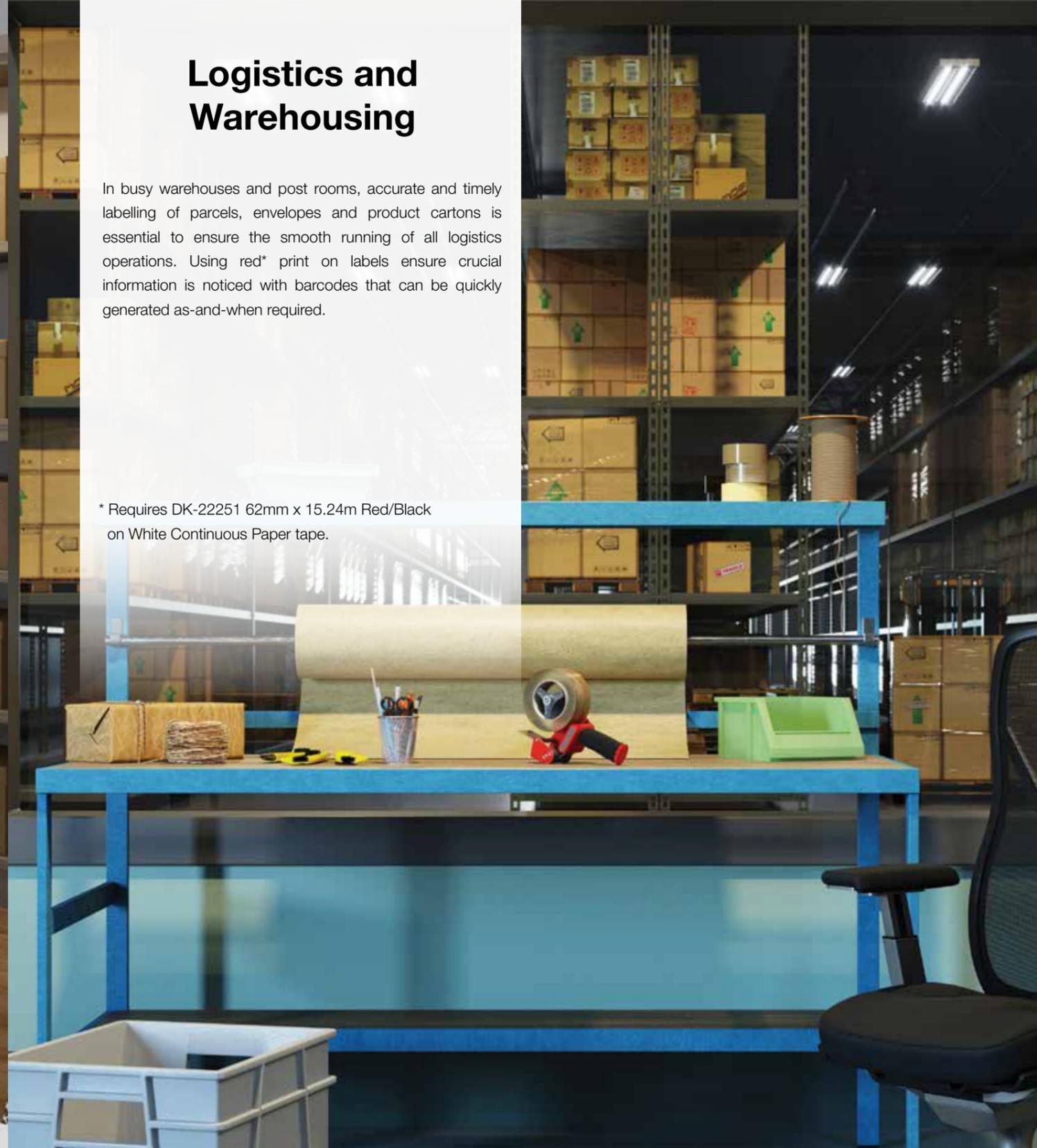
\* Requires DK-22251 62mm x 15.24m Red/Black on White Continuous Paper tape.



# Logistics and Warehousing

In busy warehouses and post rooms, accurate and timely labelling of parcels, envelopes and product cartons is essential to ensure the smooth running of all logistics operations. Using red\* print on labels ensure crucial information is noticed with barcodes that can be quickly generated as-and-when required.

\* Requires DK-22251 62mm x 15.24m Red/Black on White Continuous Paper tape.



Visitor badges



Postage labels



Document filing



Indoor signage



Handling labels



Temporary signage



Shipping labels



Product packaging

## Retail

Conveying product pricing and any special offers to the shoppers quickly is crucial in the retail industry. Print pricing labels for product tags can include barcodes. Use red\* print to highlight special offers or promotions by creating eye-catching indoor signage.

\* Requires DK-22251 62mm x 15.24m Red/Black on White Continuous Paper tape.



Pricing and Barcode labels



Promotion signage

## Food

On-demand label printing is a critical part of the food industry, such as highlighting allergen information to consumers, show use-by/best before dates and product pricing including EAN-8 / EAN-13 barcodes.

QL-820NWB Standalone label printing function is ideal for counter-top use and printing labels on-demand. Takeaway outlets can print details of the orders, including address information where delivery is required.



Takeaway orders



Shelf-edge labelling



## DK rolls for QL-800 Label Printer series

Wide range of labels are available in paper and film material, die-cut labels or continuous length labels rolls.

DK Die-Cut Labels	Material	Colour	Size	Item No.
Standard address label (400/roll)	Paper	White	29 x 90 mm	DK-11201
Large address label (400/roll)	Paper	White	38 x 90 mm	DK-11208
Small address label (800/roll)	Paper	White	29 x 62 mm	DK-11209
Shipping label (300/roll)	Paper	White	62 x 100 mm	DK-11202
File folder label (300/roll)	Paper	White	17 x 87 mm	DK-11203
Multi-purpose label (400/roll)	Paper	White	17 x 54 mm	DK-11204
Square label (1000/roll)	Paper	White	23 x 23 mm	DK-11221
CD/DVD label (100/roll)	Film	White	58 mm	DK-11207
Round label (1200/roll)	Paper	White	12 mm	DK-11219
Round label (1000/roll)	Paper	White	24 mm	DK-11218

DK Continuous-Length Tapes - 30.48m	Material	Colour	Size	Item No.
Continuous length	Paper	White	12 mm	DK-22214
Continuous length	Paper	White	29 mm	DK-22210
Continuous length	Paper	White	38 mm	DK-22225
Continuous length	Paper	White	50 mm	DK-22223
Continuous length	Paper, non-adhesive	White	54 mm	DK-N55224
Continuous length	Paper	White	62 mm	DK-22205
Continuous length	Paper, removable	White	62 mm	DK-44205
Continuous length	Paper, removable	Yellow	62 mm	DK-44605

DK Continuous-Length Tapes - 15.24m	Material	Colour	Size	Item No.
Continuous length	Film	White	29 mm	DK-22211
Continuous length	Film	White	62 mm	DK-22212
Continuous length	Film	Yellow	62 mm	DK-22606
Continuous length	Film	Clear	62 mm	DK-22113
Continuous length - Black/Red print	Paper	White	62 mm	DK-22251

## Accessories

### PA-BU-001 Rechargeable Li-ion battery (sold separately)

PA-BU-001 Rechargeable Li-ion battery can be mounted onto the base of QL-810W and QL-820NWB to perform label printing standalone without any power sources. It is an ideal solution for mounting in trolleys or pushcarts for exhibition badges printing.

With a fast-charge of under 2 hours 30 minutes, the battery can last up to 4300 labels (Monochrome) or 1400 labels (Colour) prints per charge\*.



\* Continuous label printing using USB when fully charged.

# Specification

	QL-800	QL-810W	QL-820NWB
<b>Printing / Media</b>			
Printing technology	Direct thermal with 2 colour print capability		
Print resolution	300 dpi x 300dpi (Standard) / 300 dpi x 600dpi (High resolution mode)		
Print speed (single colour)	Maximum 148mm per second, 93 labels per minute	Maximum 176mm per second, 110 labels per minute	
Print speed (two colour)	24mm per second, 15 labels per minute		
Label width	12mm - 62mm		
Maximum print width	58mm		
Maximum print length	1 metre		
Media sensor type	Reflective		
Cutter	Yes, (full cut / guillotine type)		
Media types	DK Rolls (DK Die-cut labels / DK Continuous Length tape)		
<b>LCD</b>			
Type	-	-	320 x 120 dot Graphic LCD with backlight
<b>Connectivity</b>			
USB	USB version 2.0 full-speed		
USB host capability	-	-	Yes (HID class)
Bluetooth® wireless connection	-		Bluetooth® Classic
Bluetooth® profiles	-		SPP (Serial Port Profile) OPP (Object Push Profile) BIP (Basic Imaging Profile) HCRP (Hard Copy Cable Replacement Profile) iAP profile
iOS® and Android™ compatibility	-	Yes, (Wi-Fi)	Yes, (Wi-Fi / Wired LAN / Bluetooth® Classic)
Wireless LAN	-	IEEE 802.11b/g/n	
Wireless LAN security (Infrastructure mode)	-	WEP, WPA-PSK/WPA2-PSK (TKIP/AES), LEAP (CKIP), EAP-FAST (TKIP/AES), PEAP (TKIP/AES), EAP-TLS (TKIP/AES), EAP-TLS (TKIP/AES)	
AirPrint®	-	Yes	
Wired LAN	-	-	10/100 Base-TX
<b>Memory</b>			
Flash (for label templates)	-	6MB	
Locations (for label templates)	-	99	255
<b>Power</b>			
Power	220 - 240V AC internal power supply	100V - 240V AC External Power adapter (Auto switching)	
Battery (not included)	-	PA-BU-001 Rechargeable Li-ion battery	
Battery print yield	-	4300 labels (Monochrome) / 1400 labels (2 Colours)	
Battery charging time	-	Less than 2 hours 30 minutes	
<b>Weight / Dimension</b>			
Dimension	125mm (W) x 213 (H) x 142mm (D)	125mm (W) x 234mm (H) x 145mm (D)	
Weight	1.15kg	1.12kg	1.16kg

# Specification

	QL-800	QL-810W	QL-820NWB
<b>Package content</b>			
In the box	QL-800 DK-11201 29mm x 90mm x 100pc Standard Address Label, Die-cut Paper DK-22251 62mm x 5m Red/Black on White Continuous Length Paper tape USB cable AC Power adapter User guide	Label Printer DK-11201 29mm x 90mm x 100pc Standard Address Label, Die-cut Paper tape DK-22251 62mm x 5m Red/Black on White Continuous Length Paper tape USB cable AC Power adapter User guide	
<b>Software / Firmware</b>			
SDK availability <a href="https://www.brother.co.jp/eng/dev/index.aspx">https://www.brother.co.jp/eng/dev/index.aspx</a>	b-PAC (for Windows®)	b-PAC (for Windows®) Brother Print SDK for Android™ Brother Print SDK for iPhone®/iPad® (for iOS®)	
Supported printer command	Raster	Raster ESC/P P-touch Template	ZPLII emulation (upon request) ESC/P P-touch Template Raster
Barcode symbologies (using P-touch Editor)	CODE39, CODE128, UCC/EAN128 (GS1-128), ITF (I-2/5), CODABAR (NW-7), UPC-A, UPC-E, EAN13, EAN8, ISBN-2 (EAN13 AddOn2), ISBN-5 (EAN13 AddOn5), Laser Barcode, POSTNET, RSS(RSS14 Standard, RSS14 Truncated, RSS14 Stacked, RSS14 Stacked Omni, RSS Limited, RSS Expanded, RSS Expanded Stacked), PDF417 (Standard, Truncate, Micro), QR code (Model 1, Model 2, Micro), Data Matrix (ECC Square, ECC Rectangular), MaxiCode (Model 2, Model 3, Model 4, Model 5) RSS symbols / CODE93 / POSTNET / UPC/EAN EXTENSION / MSI / QR Code (model 1, model 2, micro QR) PDF417 (Standard, Truncate, MicroPDF417) / Data Matrix (ECC200 Square, ECC200 Rectangular) / MaxiCode / Aztec		
Barcode symbologies (Built-in printer firmware)	-	CODE39, CODE128, UCC/EAN-128 (GS1-128), ITF (I-2/5), CODABAR(NW-7), UPC-A, UPC-E, EAN13 (JAN13), EAN8, GS1 DataBar (RSS) (GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked), PDF417 (Standard, Truncate, Micro), QR Code (Model 1, Model 2, Micro), Data Matrix (ECC200 Square, ECC200 Rectangular), MaxiCode, CODE93, POSTNET, UPC-E EXTENTION	
Internal font	-	Bitmap fonts: Letter Gothic Bold, Helsinki, Brussels, San Diego, Brougham Font sizes: 24, 32, 49 dots Outline fonts: Letter Gothic Bold, Helsinki, Brussels Font sizes: 33 - 400 dots (22 sizes)	
<b>System Requirement</b>			
Interface	Windows®: USB Port (USB Spec. 1.1, 2.0, or 3.0 protocol) IEEE802.11b/g/n Wireless LAN - 10/100 BASE-TX Wired LAN - Bluetooth® Classic mac®: USB Port (USB Spec. 1.1 or 2.0 protocol) IEEE802.11b/g/n Wireless LAN - 10/100 BASE-TX Wired LAN - Bluetooth® Classic		
Hard Disk Requirement	Windows®: 600MB or more ; mac®: 500MB or more		
Microsoft® Office® Support	Microsoft® Word® / Excel® / Outlook®		

For latest OS support, please visit <https://support.brother.com>

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