brother
at your side

Rugged, compact and portable 2" receipt printer

RJ-2030 / RJ-2050 / RJ-2140 / RJ-2150 Data Sheet

brother *at your side*

2" portable receipt and label printer

With its advanced connectivity options, RJ-2 printers are the ideal mobile printer for printing labels, receipts, tickets and other documentation.

The RJ mobile printer integrates into your existing system thanks to Wi-Fi, Bluetooth and USB connectivity.

Key features:

- **Durable with IP54 rating and drop tested up to 2.5m**
- **Compatible with a wide range of devices and operating systems, including iOS and Android**
- **Easy to use with mono LCD and three flat membrane keys**
- **Simple integration into existing applications with free Software Development Kits (SDKs)**
- **Customisable with power options including rechargeable batteries, AC adaptor, vehicle power kits and linkable battery chargers**

Portable handheld design

Rugged design out of the box

Supports receipt and labels media

Backlit LCD display

General

Carton contents	Belt Clip Li-ion battery Documentation
Language support	English, French, Dutch, German, Italian, Spanish

Dimensions and weights

Without carton	**RJ-2030 / RJ-2050:** 122(w) x 100(d) x 57(h) | 465g **RJ-2140 / RJ-2150:** 151(w) x 100(d) x 73(h) | 545g

Built in features

Printing Method	Direct Thermal
Print Resolution	203dpi
Print Speed	Maximum 6ips (152mm/sec) (Under Brother standard environment)
Maximum Print Width	54mm **RJ-2140 / RJ-2150:** 51mm (labels)
Minimum print length	12.7mm
Maximum print length	1m
LCD	Backlit monochrome LCD
Interfaces	**RJ-2030 / RJ-2050 / RJ-2150:** USB Ver.2.0 (Full Speed) (Type B) Bluetooth Version.2.1 **RJ-2050 / RJ-2140 / RJ-2150:** Wireless LAN 802.11 b/g/n supporting (supporting AirPrint® from iOS® devices)
Bluetooth Profile	**RJ-2030:** Classic; SPP, OPP, BIP, HCRP **RJ-2050 / RJ-2150:** Classic; SPP, OPP, BIP, HCRP, iAP supported
WLAN Security	**RJ-2050 / RJ-2140 / RJ-2150:** Authentic method (encryption scheme) **AdHoc mode** -Open system(None/WEP) Authentic method (encryption scheme) **Infrastructure mode** -Open system(None/WEP64/WEP128） -Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) ・LEAP (CKIP) ・EAP-FAST (TKIP/AES) ・PEAP (TKIP/AES) ・EAP-TLS (TKIP/AES) ・EAP-TTLS (TKIP/AES) **Wireless direct mode** -WPA2-PSK (AES)

Operating system support	Microsoft® Windows Vista® / Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10 Microsoft® Windows Server® 2008 / 2008 R2 / 2012 / 2012 R2 / 2016 / 2019 Linux
Mobile OS Support	Android 4.0.3 or later iOS® 6 or later Requires 3rd party app development using Brother SDK, further information available at www.brother.co.jp/eng/dev/
Printer commands	ZPLII emulation CPCL emulation ESC/P P-touch Template Raster
RAM	32MB
Flash	32MB (12MB available for template upload)
Internal fonts & sizes	<ESC/P commands> Bitmap fonts: Gothic, Letter Gothic Bold, Helsinki Font sizes: 16, 24, 32 dots Outline fonts: Gothic, Letter Gothic Bold, Helsinki Font sizes: 400 dots (maximum) <P-touch Template commands> Outline fonts: Gothic, Letter Gothic Bold, Helsinki Font sizes: 400dots (maximum)

Environmental

Drop protection	2.5 metres
Sealing	IP54
Operating temperature	Operating: -10C to +50C / Charging: 0C to +40C
Operating humidity	10%-90% / Maximum web bulb: +27C (no condensation)
Storage temperature	-20C to +60C
Storage humidity	10% to 90% (+45C)

Supplies

RD roll type	RD-R03E5 (Receipt – 58mm x 12m) **RJ-2140 / RJ-2150:** RD-Q04E1 (450 Labels – 51mm x 26mm)

Optional accessories

Battery	PA-BT-003 Rechargeable Li-ion (7.2V)
Battery Charger	PA-BC-002 (up to 4 can be connected using one AC adaptor)
AC adaptor	PA-AD-600A 100/240V AC (50/60Hz) to 15V DC (only for charging)
Car adaptor	PA-CD-600CG Cigar lighter plug PA-CD-600WR Permanently wired 12V DC (only for charging)
Shoulder strap	PA-SS-4000

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Rugged mobile printing, whatever the conditions

RJ-4230B/RJ-4250WB Data Sheet

The RJ-4200 Series

The rechargeable RJ-4200 printers are an extra tough, super-fast printing solution designed with busy field workers in mind.

Bluetooth gives you extra connectivity, while being able to print receipts, quotes, invoices and labels on the spot will save valuable time for you and your customers.

Key Features:

- Fast print speeds of 127mm/sec (5ips)
- Portable & robust design
- Multiple connectivity options, including Bluetooth v4.2 and Wireless LAN 802.11 a/b/g/n
- Ready to integrate with iOS® & Android apps
- Mono backlit LCD display
- Compatible with Windows®

Rugged design out of the box

Low energy Bluetooth Interface (v4.2)

Double tear bar

NFC for easy pairing (Android only)

Wireless LAN supporting 2.4GHz and 5GHz bands^

Backlit LCD display

General

Carton contents	Belt Clip Adjuster guide locks Documentation
Language support	Dansk, Deutsch, English, Español, Français, Italian, Nederlands, Norsk, Português, Suomi, Svenska

Dimensions & Weights

Without carton	153(w) x 159(d) x 68(h) ¦ 850g

Built In Features

Printing method	Direct Thermal
Print resolution	203dpi
Print speed	Maximum 5ips (127mm/sec) (*under Brother standard environment)
Maximum print width	104mm
Minimum print length	12.7mm
Maximum print length	3000mm
LCD	Backlit monochrome LCD
Number of labels per battery charge	Li-ion battery: approx. 10,000 labels (continuous print) (*under Brother standard environment)
Interfaces	USB Ver.2.0 (Full Speed) (mini-B). Bluetooth Version.4.2 supporting Low Energy NFC (Passive) Wireless LAN 802.11a/b/g/n supporting 2.4GHz and 5GHz^ (supporting Airprint® from iOS® devices)
Bluetooth Profile	Classic; SPP, OPP, HCRP, iAP supported Low Energy GATT
WLAN Security	**RJ-4250WB only:** Authentic method (encryption scheme) **Infrastructure mode:** Open system(None/WEP64/WEP128) Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) ・EAP-FAST (TKIP/AES) ・PEAP (TKIP/AES) ・EAP-TLS (TKIP/AES) ・EAP-TTLS (TKIP/AES) **Wireless direct mode:** WPA2-PSK (AES)

Mobile OS support	Android 4.0.3 or later iOS® 7 or later (requires 3rd party app development using Brother SDK) Further information available at www.brother.co.jp/eng/dev/
Printer commands	Raster ESC/P P-touch Template ZPL II emulation CPCL emulation
Operating system support	Microsoft® Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10 Microsoft® Windows® Server 2008 / Server 2008R2 / Server 2012 / Server 2012R2 / Server 2016 / Server 2019^ Linux
Software	**P-touch Editor:** Barcode label design software **Brother Print Service Plugin:** Driverless printing from Android devices (version 5.0 and above) **Mobile Deploy App:** remote printer configuration **Brother Font Manager:** font download tool (Windows® only via USB) **Printer Settings Tool:** device configuration software (Windows® only via USB)
Internal fonts & sizes	<ESC/P> Bitmap font: Gothic, Letter Gothic Bold, Helsinki Font sizes <16, 24, 32dot> Outline font: Gothic, Letter Gothic Bold, Helsinki, Brussels Font size 400dot (max) <P-touch Template> Outline font: Gothic, Letter Gothic Bold, Helsinki Font size 400dot (max) Downloadable font support** via Font Manager software

Environmental

Drop Protection	2.1m (Under Brother standard environment)
Operating Temperature	Battery -20ºC to 55ºC AC adapter -10ºC to 40ºC Car adapter -10ºC to 50ºC
Operating Humidity	10% to 90% non-condensing
Charging Temperature	0ºC to 40ºC
Storage Temperature	-20ºC to 60º C
Storage Humidity	10% to 90% non-condensing

Supplies

RD roll type	**RD-M01E5:** Receipt – 102mm x 27.7m **RD-M03E1:** 72 Labels – 102mm x 152mm **RD-R03E5:** Receipt – 58mm x 12m

Optional Accessories

Battery	**PA-BT-006:** Rechargeable Li-ion Smart battery 7.2V continuously printing 10,000 labels (*under Brother standard environment)
Shoulder Strap	PA-SS-4000
Power Options	PA-CR-002A Single Cradle/Charger PA-BC-003 Single Battery Charger PA-AD-600A AC Adapter PA-CD-600CG Cigarette lighter plug PA-CD-600WR Permanently wired PA-BEK-001CG Battery eliminator kit (cigarette lighter plug – 12-48V) PA-BEK-001WR Battery eliminator kit (permanently wired – 12-48V)

*Connected by USB with new battery and full charge. Printed by Brother specified data (7% coverage 102mm x 29mm) at 23º C.
**Font Licensee permissions are required.
^ RJ-4250WB model only

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