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Rugged Mobile Receipt and Label Printers Series

RJ Series

Empower mobile workforce with labels creation and amendment at any location

Brother's comprehensive range of RJ mobile printers can deliver impressive print speed with rugged design, robustness and superior quality that cater to a wide range of vertical market applications.

Equipped with Wireless, USB and Bluetooth® wireless connectivity options, busy mobile workers can print their receipts or labels on-site or in field which will help to achieve productivity.

RJ Series mobile printers

Rugged design

Due to the nature of many mobile applications, mobile printers may be exposed to a range of outdoor conditions which can affect the print operation, resulting in damage. For example, a Traffic warden printing in the field.

RJ mobile printers have been tested against IP54 protection standards which offer extra peace of mind for extreme outdoor applications expose to damp, moisture or indoor environments where dust is present. Selected RJ mobile printers were dropped and tested up to 2.5 metres which provide the additional credibility in terms of toughness and reliability.

RJ Series

Up to 2 inch

RJ-2030

RJ-2050

RJ-2140

RJ-2150

Up to 3 inch

RJ-3230B

RJ-3250WB

Up to 4 inch

RJ-4230B

RJ-4250WB

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

Trust RJ Mobile Printers Series for every application

Retail

Increase efficiency for retailers with lightweight, durable and easy-to-use RJ mobile printers.

This mobile solution can provide staff with a simple and accurate label and receipt printing that is ideal for pricing, promotions and queue-busting situation which will help to increase customers' satisfaction.

Applications include:

- **Shelf edge labels**
- **'Queue busting' receipt printing**
- **Mark down or discount labels**
- **Price labels**
- **Food traceability labelling**
- **Click and collect labels**

Direct Store Deliveries

Delivery drivers can be equipped with a seamless solution to help streamline their workflow and minimise downtime.

Mobility and integration are the keys for drivers to access their systems for pricing, invoicing, inventory control which will help to increase their customers' satisfaction.

This mobile solution can makes producing invoices on-site easy.

Applications include:

- **Sales orders and confirmations**
- **Returned goods receipts and labels**
- **Customers' receipts**
- **Delivery receipts**

Field Services

Without a mobile printing solution, manually handwritten documents can be very time-consuming to produce and prone to error.

That is why most businesses are empowering their workforce with mobile technology to complete their tasks on the move, professionally and on schedule.

Applications include:

- **Receipts and invoices**
- **Repair estimates**
- **Statements of work**
- **Work orders**
- **Estimates and quotations**
- **Maintenance and service reports**

RJ Series

Public Safety

Increase operational efficiency by allowing law enforcement officers and emergency staff to document and report incidents accurately and efficiently at the point of interaction.

With RJ mobile printers' durable design, fast print speed and reliable operation, superior performance can be achieved which can help to increase productivity.

Applications include:

- **Parking violations**
- **Recording of accidents and crime scenes**
- **Electronic citations and fines**
- **Warning Notices**

Warehousing

Efficient warehousing operations and workers' productivity are critical to the success of many organisations.

With wireless connectivity, RJ mobile printers series can provide workers with the ability to print barcode labels on-demand at the point of application.

This will help to save time and reduces potential errors caused by mislabelling.

Applications include:

- **Work-in-progress labels**
- **Bin and shelf labels**
- **Shipping and despatch labels**
- **Inventory pick and return tickets**

RJ series range

	RJ-2030	RJ-2050	RJ-2140	RJ-2150
	2 inch			
Printing				
Print technology	Direct thermal			
Print speed	Maximum 152mm per second (6ips)			
Resolution	203dpi			
Maximum print width	54mm (receipt)		54mm (receipt), 51mm (label)	
Receipt	●	●	●	●
Labels			●	●
Connectivity				
USB	●	●	●	●
Wireless LAN		●	●	●
Bluetooth® wireless connection	●	●		●
AirPrint®		●	●	●
MFi®		●		●
General				
IP rating	IP54			
Drop protection (metres)	2.5m			
Weight (with battery)	465g		545g	
Dimensions (mm)	122mm (W) 57mm (H) 100mm (D)		151mm (W) 73mm (H) 100mm (D)	
Operating system support	Microsoft® Windows®	Microsoft® Windows® Windows® Server®		
Mobile OS	Android™	Android™, iOS®		
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation			

RJ series range

	RJ-3230B	RJ-3250WB	RJ-4230B	RJ-4250WB
	3 inch		4 inch	
Printing				
Print technology	Direct thermal			
Print speed	Maximum 127mm per second (5ips)			
Resolution	203dpi			
Maximum print width	72mm		104mm	
Media Types				
Receipt	●	●	●	●
Labels	●	●	●	●
Connectivity				
USB	●	●	●	●
Wireless LAN		●		●
Bluetooth® wireless connection	●	●	●	●
AirPrint®		●		●
MFi®	●	●	●	●
General				
IP rating	IP54			
Drop protection (metres)	2.0m		2.1m	
Weight (with battery)	807g		850g	
Dimensions (mm)	117mm (W) 77mm (H) 180mm (D)		153mm (W) 68mm (H) 159mm (D)	
Operating system support	Microsoft® Windows® Windows® Server®		Microsoft® Windows® RJ-4250WB also supports: Microsoft® Windows® Server®	
Mobile OS	Android™, iOS®			
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation			

Customise RJ Mobile Printer with a range of accessories

Accessories

Brother has designed and engineered a wide range of accessories to customise solution to suite customers' requirement. Brother accessories can help workers to be equipped with their device in-vehicle and on-body. Power options can help to cope up with any increase battery demands.

Power Options

PA-BT-003

Rechargeable Li-ion Battery

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150

PA-BT-006

Rechargeable Li-ion Smart Battery

RJ-3230B | RJ-3250WB
RJ-4230B | RJ-4250WB

PA-AD-600A UK

AC Power Adapter

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230B | RJ-3250WB
RJ-4230B | RJ-4250WB

PA-CD-600CG

Car Adapter (cigarette)

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230B | RJ-3250WB
RJ-4230B | RJ-4250WB

PA-CD-600WR

Car Adapter (wired)

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230B | RJ-3250WB
RJ-4230B | RJ-4250WB

PA-BEK-001WR

Battery Eliminator Kit Wired Type

RJ-3230B | RJ-3250WB
RJ-4230B | RJ-4250WB

PA-BEK-001CG

Battery Eliminator Kit Cigarette Socket Type

RJ-3230B | RJ-3250WB
RJ-4230B | RJ-4250WB

Accessories availability differ by country. Please contact your local Brother Sales office for the accessories available.

Accessories

PA-BC-002

Battery Charger
(Single unit)

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150

PA-BC-003

Battery Charger
(Single unit)

RJ-3230B | RJ-3250WB
RJ-4230B | RJ-4250WB

PA-CR-005**

1-slot Charging
Cradle with Ethernet

RJ-3230B
RJ-3250WB

PA-CR-002A**

Car Mount /
Charging Cradle

RJ-4230B | RJ-4250WB

PA-SS-4000

Shoulder Strap

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230B | RJ-3250WB
RJ-4230B | RJ-4250WB

PA-4CR-003**

4-slot Charging
Cradle with Ethernet

RJ-3230B
RJ-3250WB

PA-LPR-001

Linerless
Platen Roller

RJ-4230B
RJ-4250WB

PA-LPR-004

Linerless
Platen Roller

RJ-3230B
RJ-3250WB

PA-LP-007

Peeler

RJ-3230B
RJ-3250WB

Accessories availability differ by country. Please contact your local Brother Sales office for the accessories available.

** Requires the purchase of PA-AD-600A AC Power Adapter.

Brother provides all the necessary tools required for software developers to integrate printing into their mobile applications.

Printer drivers are available for Windows® OS and Software Development Kits (b-Pac SDK). RJ mobile printers support Windows® Mobile*, Android™ and iOS® operating system.

Software Support Features

Template mode

Design required document on Windows® PC with logos and barcodes. Stored in RJ mobile printer's memory after transferred.

Templates can be recalled and data replaced before printing in just a few short commands.

AirPrint®* and MFi®* support

Easy to connect and print from Apple® devices via AirPrint® and MFi® support.

* Check model compatibility.

Mobile Deploy*

Cloud-based app for mobile devices running on iOS® and Android™ platforms allows IT administrators to remotely update and configure multiple Brother RJ mobile printers.

Use Mobile Deploy to easily upload new update packages to an online location and share the URLs with the users.

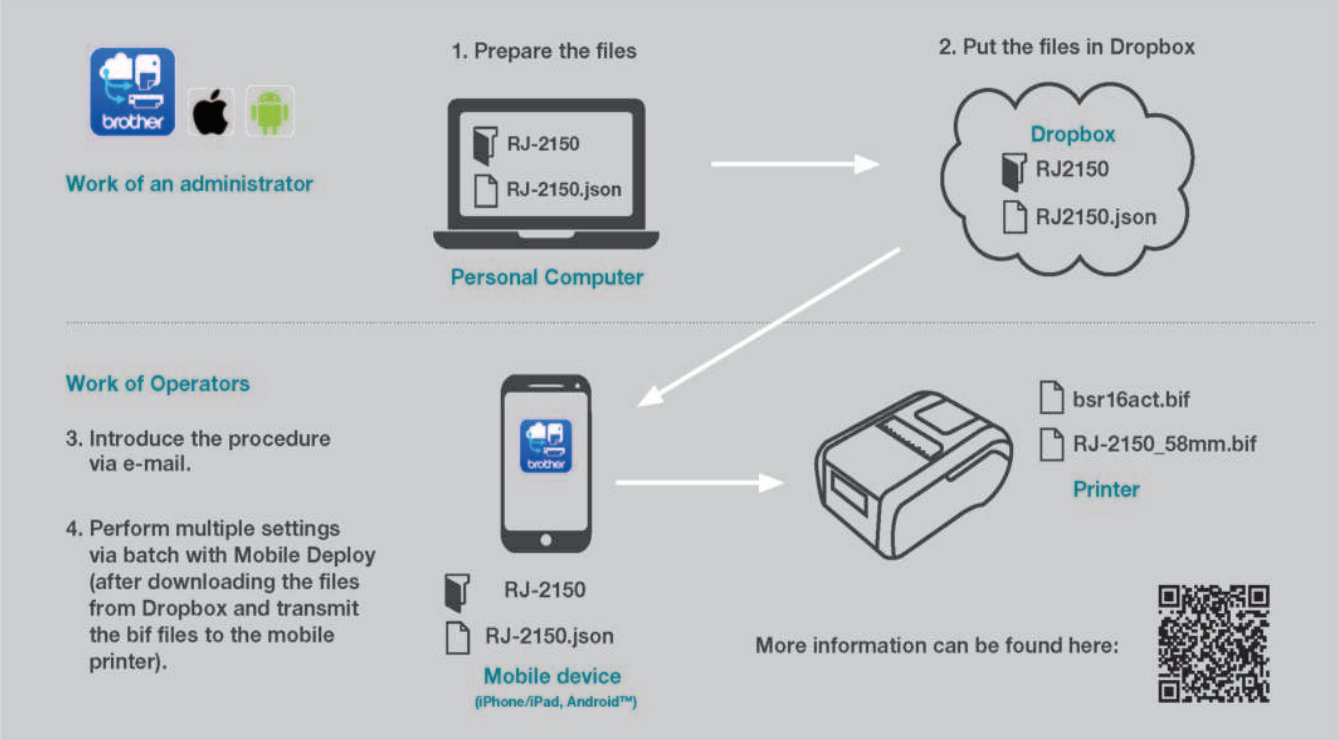
https://support.brother.com/g/s/es/dev/en/index.html

Printer Commands*

With support for ZPL II emulation, CPCL emulation in addition to the ESC-POS commands, developers can easily integrate mobile printing into any existing legacy systems.

* Check model compatibility.

Mobile Deploy



Achieve Productivity with printing on the move

RJ series range
2 inch

	RJ-2030	RJ-2050	RJ-2140	RJ-2150
	2 inch			
Printing / Media				
Print technology	Direct thermal			
Print resolution	203dpi			
Print speed	Maximum 152mm per second (6ips)*			
Maximum print width on receipt	54mm			
Maximum print length	1000mm			
Media sensor type	Reflective		Transmissive / Reflective	
Cutter type	Tear bar			
Media types	Receipt, label**		Receipt, label, tag label	
Receipt width	58mm max			
Receipt paper thickness	2.3mils - 3.5 mils (0.058mm - 0.090mm)			
Label width	-		55mm	
Label thickness	-		3.1mils - 6.7 mils (0.080mm - 0.170mm)	
Roll diameter	40mm max		60mm max	
Core diameter (minimum)	10.2mm			
LCD				
Type	Backlit monochrome LCD			
Connectivity				
USB	USB version 2.0 full-speed (mini-B connector)			
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)		SPP (Serial Port Profile) OPP (Object Push Profile) BIP (Basic Imaging Profile) HCRP (Hard Copy Cable Replacement Profile) iAP supported	
MFi® support	-	Yes	-	Yes
Wireless LAN	-	IEEE 802.11b/g/n Infrastructure mode: b/g/n Ad hoc mode: b/g/n Wireless direct mode: g/n		
Wireless LAN security (Ad hoc mode)	-	None / WEP		
Wireless LAN security (Infrastructure mode)	-	None / WEP64 / WEP128 Common key authentication (WEP) WPA / WPA2-PSK (TKIP + AES) LEAP (CKIP) EAP-FAST (TKIP / AES) PEAP (TKIP / AES) *3 EAP-TLS (TKIP / AES) EAP-TTLS (TKIP / AES)		
Wireless LAN security (Wireless direct mode)	-	None / WPA2-PSK (AES) / WEP		
NFC	-			

* Under Brother standard environment.
** With black mark only.

RJ series range
2 inch

	RJ-2030	RJ-2050	RJ-2140	RJ-2150
	2 inch			
Software / Firmware				
Operating system support	Microsoft® Windows® Android™	Microsoft® Windows® Windows® Server® Android™ iOS®		
b-Pac SDK availability https://support.brother.com/g/s/es/dev/en/index.html	b-PAC SDK (for Windows®) Android™ iOS®			
Supported printer commands	ZPL II emulation, CPCL emulation ESC/P, P-touch Template, Raster			
Barcode symbologies	CODE39 / ITF (I-2/5) / EAN-13 / EAN-8 / UPC-A / UPC-E / CODABAR / CODE128 / GS1-128(UCC/EAN-128) / 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			
Memory				
RAM	32MB			
Flash	32MB (12MB available for template upload)			
Environmental				
Drop protection	2.5m			
Sealing	IP54			
Operating temperature	Operating: -10°C to 50°C / Charging: 0°C to 40°C			
Operating humidity	10% - 90% / Maximum wet bulb: 27°C (no condensation)			
Storage temperature	-20°C to 60°C for 120 hours maximum			
Storage humidity	45°C @ 95% for 120 hours maximum			
Power				
Battery	Rechargeable Li-ion			
AC Power adapter	100V - 240V AC (50Hz / 60Hz) to 15V DC (only for charging) (optional)			
Car adapter (optional accessory)	12V DC (only for charging)			
Weights / Dimensions				
Dimensions (mm)	122mm (W) x 57mm (H) x 100mm (D)		151mm (W) x 73mm (H) x 100mm (D)	
Weight (including battery)	465g		545g	
Package content				
Included in the box	Battery, belt clip, documentation			

RJ series range
3 and 4 inch

	RJ-3230B	RJ-3250WB	RJ-4230B	RJ-4250WB
	3 inch		4 inch	

Printing / Media

Print technology	Direct thermal			
Print resolution	203dpi			
Print speed	Maximum 127mm per second (5ips)			
Maximum print width on receipt	72mm		104mm	
Maximum print length	3000mm			
Media sensor type	Transmissive / Reflective			
Cutter type	Double tear bar			
Media types	Receipt / Label / Tag label			
Receipt width	80mm		113mm	
Receipt paper thickness	2.2 mil to 3.5 mil (0.058mm to 0.090mm)			
Label width	76mm		113mm	
Label thickness	-		3.1 mil to 6.6 mil (0.080mm to 0.170mm)	
Roll diameter	66mm max		58mm max	
Core diameter	Standard : 25.4mm (Default) In-box: 12.7mm - 13.0mm or 19.0mm		12.7mm (receipt) / 25.4mm (labels)	

LCD

Type	Monochrome			

Connectivity

USB	Yes (USB Type-C)		Yes	
USB host capability	No		-	
Bluetooth® wireless connection	Bluetooth® Dual-Mode		Bluetooth® Dual-Mode	
Bluetooth® profiles	SPP (Serial Port Profile) OPP (Object Push Profile) HCRP (Hard Copy Cable Replacement Profile) iAP supported Low Energy: GATT		Classic: SPP (Serial Port Profile) OPP (Object Push Profile) HCRP (Hard Copy Cable Replacement Profile) iAP supported Low Energy: GATT	
MFi® support	Yes			
Wireless LAN	-	IEEE 802.11a/b/g/n/i/r Infrastructure mode: IEEE 802.11a/b/g/n/i/r Wireless Direct mode: IEEE 802.11g/n/d/i	-	Wireless LAN IEEE 802.11 a/b/g/n (Infrastructure mode: a/b/g/n / Wireless direct mode: [g/n])
Wireless LAN security (Ad hoc mode)	-	-	-	
Wireless LAN security (Infrastructure mode)	-	SSL / TLS1.0 / 1.1 / 1.2 (HTTPS, IPPS) SNMPv3, 802.1x (EAP-FAST, PEAP, EAP-TLS, EAP-TTLS) WEP 64 / 128 bit, WPA-PSK (TKIP / AES), WPA2-PSK (AES), WPA3-SAE (AES)	-	Open system (None / WEP64 / WEP128) Common key authentication (WEP) WPA/WPA2-PSK (TKIP + AES) EAP-FAST (TKIP / AES) PEAP (TKIP / AES) *3 EAP-TLS (TKIP / AES) EAP-TTLS (TKIP / AES)
Wireless LAN security (Wireless direct mode)	WPA2-PSK (AES)		-	WPA2-PSK (AES)
NFC	Yes (Passive only)			

* Black mark only.

RJ series range
3 and 4 inch

	RJ-3230B	RJ-3250WB	RJ-4230B	RJ-4250WB
	3 inch		4 inch	
Software / Firmware				
Operating system support For latest OS system Visit: **https://support.brother.com**	Microsoft® Windows® Windows® Server®		Microsoft® Window®	Microsoft® Windows® Microsoft® Windows® Server®
b-Pac SDK availability https://support.brother.com/g/s/es/dev/en/index.html	Android™ iOS®		Android™ iOS®	
Supported printer commands	Raster, ESC/P, P-touch Template, ZPL II emulation, CPCL emulation			
Barcode symbologies Supported barcodes depend on printer commands. Please refer to the command reference for details.	CODE39, CODE93, ITF (I-2/5), EAN-8, EAN-13, UPC-A, UPC-E, CODABAR (NW-7), CODE128, GS1-128 (UCC/EAN-128), GS1 DataBar (Standard, Truncated, Stacked, Stacked Omnidirectional), GS1 DataBar Limited, GS1 DataBar Expanded (Standard, Stacked), POSTNET, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode, QR Code, Micro QR Code, PDF417, MicroPDF417, MaxiCode, DataMatrix, Aztec		Linear: CODE 39, ITF (I-2/5), EAN-8, EAN-13, UPC-A, UPC-E, UPC/EAN EXTENSION CODABAR, CODE 128, GS1-128 (UCC/EAN 128), POSTNET, GS1 Databar (Omnidirectional / Truncated / Stacked / Stacked Omnidirectional / Limited / Expanded / Expanded Stacked) CODE93, MSI/Plessey Inteligent Mail Barcode 2-dimensional: QR Code (model 1, model 2, micro QR), Maxi code, PDF417 (Standard, Truncate) MicroPDF417, Data Matrix (Square, Rectangular) AztecCode	
Memory				
RAM	256MB			
Flash	128MB		64MB	
Environmental				
Drop protection	2m		2.1m	
Sealing	IP54			
Operating temperature	Operate: -20°C to 55°C Charging: 0°C to 40°C		Battery: -20ºC to 55ºC AC Power adapter: -10ºC to 40ºC. Car adapter: -10ºC to 50ºC	
Operating humidity	10% to 90% non-condensing		10% - 90%, Max wet bulb: 27°C (No condensation)	
Storage temperature	-20°C to 60°C		-20°C to 60°C	
Storage humidity	10% - 90% non-condensing		10% - 90%, Max wet bulb: 45°C (No condensation)	
Power				
Battery	Rechargeable Li-ion smart battery		Rechargeable Li-ion smart battery (optional)	
AC Power adapter	AC Power adapter (15V) only for charging (optional)		AC Power adapter (15V) only for charging (50 / 60Hz) (optional)	
Car adapter (optional accessory)	Cigarette car adapter or Wired type (12V (DC)) only for charging			
Weights / Dimensions				
Dimensions (mm)	117mm (W) x 77mm (H) x 180mm (D)		153mm (W) x 68mm (H) x 159mm (D)	
Weight (including battery)	807g		850g	
Package content				
Included in the box	Mobile Printer Belt Clip Rechargeable Li-ion battery Roll Holder Stop Documentation		Mobile Printer Belt clip Adjuster guide lockers	

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Brother Earth

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