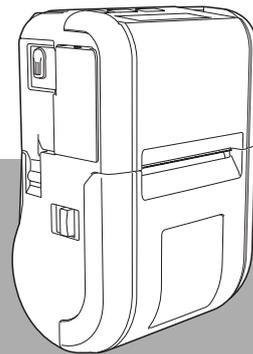
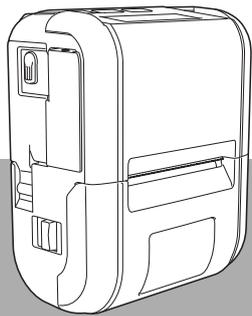


Product Safety Guide

RuggedJet

RJ-2030/2050/2140/2150



Be sure to read this document before using your mobile printer.

We recommend that you keep this document nearby for future reference.

Introduction

Thank you for purchasing the RJ-2030/2050/2140/2150 (hereafter referred to as “your printer”).

The documentation included with your printer, including the *Product Safety Guide* (this document) and the *Quick Setup Guide* (printed) contains operating precautions and basic instructions.

For more details, and for information about software and using your printer on a network, see the *User's Guide*, which can be found on the Brother Solutions Center.

The latest version of your printer's documentation is available from the Brother Solutions Center at support.brother.com.

Important Notice

- The contents of this document are subject to change without notice.
- The contents of this document may not be duplicated or reproduced, partially or in full, without permission.
- We assume no responsibility for damages arising from earthquakes, fire, other disasters, actions of third parties, the user's intentional or negligent operation, misuse or operation under other special conditions.
- We assume no responsibility for damage (such as losses, loss of business profits, lost profits, business disruptions or a lost means of communication) that may result from the use or inability to use your printer.
- If your printer fails due to workmanship or faulty components, we shall replace or repair it during the warranty period.
- We assume no responsibility for damages that may result from incorrect operation of your printer by connecting incompatible equipment or using incompatible software.

To use your printer safely

If your printer malfunctions, immediately stop using it, and then contact the sales representative where your printer was purchased.

Symbols used in this document

The following symbols are used throughout this document:

 DANGER	Indicates an imminently hazardous situation which, if the product is handled without following the warnings and instructions, will result in death or serious injuries.
 WARNING	Indicates a potentially hazardous situation which, if the product is handled without following the warnings and instructions, could result in death or serious injuries.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.

	Indicates a risk of fire under certain circumstances
	Indicates a risk of electrical shock under certain circumstances
	Indicates a risk of burns under certain circumstances
	Indicates an action that must not be performed
	Indicates a risk of combustion if fire is nearby
	Indicates a risk of injury if the indicated part of your printer is touched
	Indicates a risk of injury, such as an electrical shock, if the indicated part of your printer is disassembled
	Indicates a risk of electrical shock if the operation is performed with wet hands
	Indicates a risk of electrical shock if your printer is exposed to water
	Indicates an action that must be performed
	Indicates that the AC power cord must be disconnected from the electrical outlet

Important safety instructions

DANGER

Rechargeable Li-ion battery



Carefully observe the following precautions for the rechargeable Li-ion battery (hereafter referred to as “rechargeable battery”). If these precautions are not followed, overheating, leaking, or cracks in the battery may result in an electrical short, explosion, smoke, fire, electrical shock, injury to yourself or others, or damage to the product or other property.

- Use the rechargeable battery only for its intended purpose. Your printer and rechargeable battery are designed to function exclusively with each other. DO NOT insert the rechargeable battery into a different printer, or a different rechargeable battery into your printer, otherwise a fire or damage may occur.
- To charge the rechargeable battery, insert it into your printer, and then use the AC adapter or Car adapter designed specifically for this printer.
- DO NOT charge the rechargeable battery near a fire or in direct sunlight. This could activate the protection circuitry, which is designed to prevent danger from high heat. Activation of the protection circuitry could cause charging to stop, charging to occur with excessive current/voltage if the protection circuitry fails, or an abnormal chemical reaction within the battery.
- When charging the rechargeable battery, use the battery charger designed specifically for the rechargeable battery.
- DO NOT allow wires or other metal objects to come into contact with the terminals of the rechargeable battery. DO NOT carry or store the rechargeable battery with metal objects such as necklaces or hairpins. This could cause an electrical short, and lead metal objects such as wires, necklaces, or hairpins to overheat.
- DO NOT use or leave the rechargeable battery near a fire, heaters, or other high temperature (above 176°F/80°C) locations.
- DO NOT allow the rechargeable battery to come into contact with or to be immersed in water.
- DO NOT use the rechargeable battery in corrosive environments, such as areas where salty air, salt water, acids, alkalis, corrosive gases, chemicals, or any corrosive liquid is present.
- DO NOT use the rechargeable battery if it is damaged or leaking.
- DO NOT directly solder any connections to the rechargeable battery. This could cause internal insulation to melt, gas to be emitted, or safety mechanisms to fail.
- DO NOT use the rechargeable battery with the polarity (+) (-) reversed. Check the orientation of the rechargeable battery before inserting it, and do not try to force the rechargeable battery into your printer. Charging the rechargeable battery with the polarity reversed could cause an abnormal chemical reaction within the rechargeable battery or abnormal current flow during discharge.
- DO NOT directly connect the rechargeable battery to a household electrical supply.

! DANGER

   	<ul style="list-style-type: none"> ■ Liquid (electrolyte) leaking from your printer or rechargeable battery may indicate that the rechargeable battery is damaged. If the rechargeable battery leaks, immediately stop using your printer, unplug the AC adapter, and isolate your printer by placing it in a bag. <p>DO NOT touch the electrolyte. If electrolyte gets in the eyes, do not rub them. Immediately rinse liberally with tap water or other clean water and seek the advice of a medical professional. If left alone, the electrolyte could cause eye damage. If electrolyte contacts your skin or clothing, immediately rinse them with water.</p> <ul style="list-style-type: none"> ■ DO NOT put the rechargeable battery, or a printer with the rechargeable battery installed, into a microwave oven or a high pressure container. ■ DO NOT disassemble, modify, or attempt to repair the rechargeable battery. ■ DO NOT dispose of the rechargeable battery in fire or intentionally overheat. This could cause the internal insulation to melt, gas to be emitted, or safety mechanisms to fail. Additionally, the electrolyte solution could catch fire. ■ DO NOT puncture the rechargeable battery with any objects, subject it to severe shocks or throw it. Damage to the rechargeable battery's protection circuit could cause the rechargeable battery to be recharged at an abnormal current/voltage or cause an abnormal chemical reaction within the rechargeable battery.
	<ul style="list-style-type: none"> ■ DO NOT leave a drained rechargeable battery in your printer for a long period of time. This could shorten the life of the rechargeable battery or lead to an electrical short. ■ DO NOT incinerate the rechargeable battery or dispose of it with household waste.
	<p>If your printer can only be used for a short period of time, even though the rechargeable battery is fully charged, the rechargeable battery may have reached the end of its service life. Replace the rechargeable battery with a new one. When removing and replacing the rechargeable battery, cover the terminals of the old rechargeable battery with tape to avoid creating a short in the battery.</p>

! WARNING

Printer	
  	<p>DO NOT insert foreign objects into your printer or its connectors and ports, otherwise a fire, electrical shock, or damage may occur.</p> <p>If foreign objects are dropped into your printer, immediately turn it off, disconnect the AC adapter or Car adapter from the electrical outlet, and then contact Brother customer service or your local Brother dealer. If you continue to operate your printer, a fire, electrical shock, or damage may occur.</p>
   	<p>DO NOT operate, charge, or store your printer in the following locations, otherwise leaking, fire, electrical shock, or damage may occur:</p> <ul style="list-style-type: none"> ■ Near water, such as in a bathroom or near a water heater, or in an extremely humid location ■ In a location where it is exposed to rain or moisture ■ In an extremely dusty location ■ In an extremely hot location, such as near open flames, heaters, or in direct sunlight ■ In a closed car under a hot sun ■ In a location where condensation may form

! WARNING

  	<p>DO NOT try to disassemble or alter your printer, otherwise a fire, electrical shock, or damage may occur. For servicing, adjustments or repairs, contact Brother customer service or your local Brother dealer. (The warranty does not cover repairs for damage resulting from disassembly or alterations performed by the user.)</p>
   	<p>If your printer operates abnormally (for example, if it produces smoke, an unusual odor, or noise), stop using it, otherwise a fire, electrical shock, or damage may occur. Immediately turn off your printer, disconnect the AC adapter or Car adapter from the electrical outlet, and then contact Brother customer service or your local Brother dealer for repairs.</p>
 	<p>DO NOT charge the rechargeable battery with a printer, AC adapter, or Car adapter other than that specified. A Fire, electrical shock, or damage may occur.</p>
  	<p>If your printer is not fully charged after the specified amount of time has passed, stop charging it, otherwise a fire, electrical shock, or damage may occur.</p>
  	<p>DO NOT place the product near chemicals or in a place where chemical spillage could occur. DO NOT allow organic solvents, such as benzene, thinner, polish remover, or deodorizers, to come into contact with the plastic cover or cables. These may cause the plastic cover to warp or dissolve, resulting in an electrical shock or fire. They may also cause the product to malfunction or become discolored.</p>
	<p>DO NOT allow children to play with the plastic bag that contained your printer. Dispose of the bag or keep it away from babies and children. There is a risk of suffocation.</p>
 	<p>DO NOT dispose of your printer with household waste. There is a risk of environmental damage, explosion, and fire.</p>
  	<p>When shipping your printer, make sure to remove the rechargeable battery from the printer before packaging for shipment.</p> <p>If your printer is shipped with the rechargeable battery installed, there is a risk of fire, explosion, and damage.</p>
  	<p>DO NOT use combustible sprays when cleaning your printer, and DO NOT use combustible sprays near your printer. There is a risk of fire and electrical shock.</p> <p>Examples of combustible sprays:</p> <ul style="list-style-type: none"> ■ Dust removing cleaners ■ Pesticides ■ Disinfectants and deodorizers that contain alcohol ■ Organic solvents or liquids such as alcohol

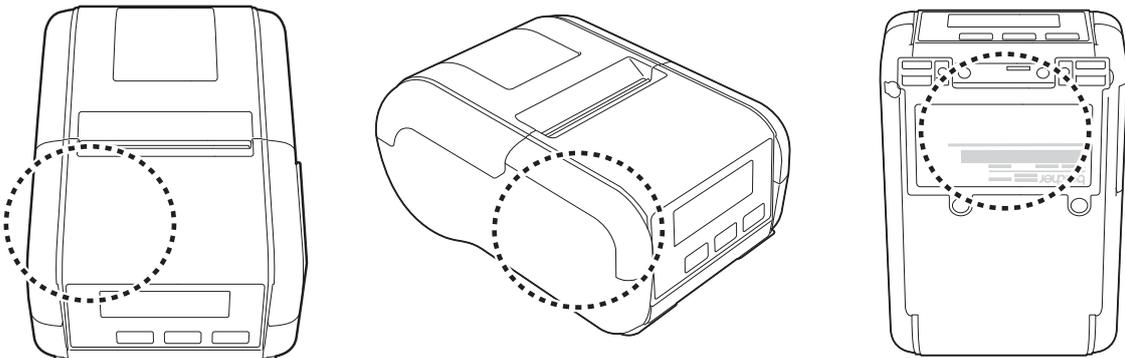
! WARNING

 	<p>DO NOT touch any metal parts near the print head. The print head becomes very hot during use and remains very hot immediately after use. DO NOT touch it directly with your hands.</p>
<p>AC adapter/Car adapter (Optional)</p>	
  	<p>Only use the AC adapter or Car adapter designed specifically for this printer, otherwise a fire, electrical shock, or damage may occur. The AC adapter or Car adapter is designed specifically for use with this printer. DO NOT use with any other product.</p>
	<p>When connecting the AC adapter or Car adapter, always push the plug into the electrical outlet as far as it will go to ensure a solid connection, otherwise a fire, electrical shock, or damage may occur.</p>
 	<p>DO NOT touch the AC adapter and your printer during a thunderstorm. There may be a remote risk of electrical shock from lightning when your printer is used during a thunderstorm.</p>
  	<p>When using the AC adapter, DO NOT plug your printer into an electrical outlet other than a household outlet (AC 100-240 V 50/60 Hz), otherwise a fire, electrical shock, or damage may occur. The Car adapter is designed to be used only with a DC 12 V electrical outlet. DO NOT use it with any other type of electrical outlet.</p>
 	<p>DO NOT touch the AC adapter, Car adapter, or the power supply plug with wet hands, otherwise an electrical shock may occur.</p>
  	<p>DO NOT try to disassemble, alter, or repair the AC adapter or Car adapter, otherwise a fire, electrical shock, or injury may occur. For servicing, adjustments or repairs, contact Brother customer service or your local Brother dealer.</p>
   	<p>DO NOT allow water, drinks, or metal objects to come into contact with the power supply plug, AC adapter, or Car adapter. In addition, DO NOT use the power supply plug, AC adapter, or Car adapter in a location where it may get wet, otherwise an explosion or electrical shock may occur.</p>
 	<p>If the power supply plug becomes dirty (for example, if it becomes covered with dust) disconnect it from the electrical outlet, and then wipe it with a dry cloth. If you continue to use a dirty power supply plug, a fire may occur.</p>
  	<p>When disconnecting the AC power cord or Car adapter from the electrical outlet, DO NOT pull on the cord. Hold the plug and pull it out of the electrical outlet.</p>

⚠ WARNING

  	<p>DO NOT insert foreign objects into the terminals of the AC adapter or Car adapter, otherwise burns or electrical shock may occur.</p>
 	<p>Use the AC adapter, Car adapter, or cable correctly and observe the following precautions, otherwise a fire or electrical shock may occur:</p> <ul style="list-style-type: none"> ■ DO NOT damage the AC adapter, Car adapter, or cable. ■ DO NOT modify the AC adapter, Car adapter, or cable. ■ DO NOT twist the AC adapter, Car adapter, or cable. ■ DO NOT severely bend the AC adapter, Car adapter, or cable. ■ DO NOT pull on the AC adapter, Car adapter, or cable. ■ DO NOT place objects on the AC adapter, Car adapter, or cable. ■ DO NOT subject the AC adapter, Car adapter, or cable to heat. ■ DO NOT bind the AC adapter, Car adapter, or cable. ■ DO NOT allow the AC adapter, Car adapter, or cable to be pinched.
 	<p>If the AC adapter or Car adapter is damaged, please contact Brother customer service or your local Brother dealer.</p>
	<p>Keep the AC adapter or Car adapter out of the reach of children, particularly infants, otherwise injury may occur.</p>
  	<p>DO NOT use the AC adapter or Car adapter near flames or heaters. If the covering of the AC adapter or Car adapter cord melts, a fire or electrical shock may occur.</p>
 	<p>Before performing maintenance on your printer, such as cleaning, disconnect the AC adapter or Car adapter from the electrical outlet, otherwise an electrical shock may occur.</p>
	<p>If your printer will not be used for a long period of time, disconnect the AC adapter or Car adapter from your printer and the electrical outlet for safety reasons.</p>
  	<p>DO NOT overload electrical outlets or plug multiple devices into the same electrical outlet. There is a risk of fire, electrical shock, and damage.</p>
  	<p>DO NOT use damaged plugs or bent electrical outlets. There is a risk of fire, electrical shock, and damage.</p>

! CAUTION

Printer	
!	Keep out of the reach of children, particularly infants, otherwise injury may occur.
/	Stop operating your printer if it leaks or becomes discolored, deformed, or otherwise defective.
!	
/	DO NOT hold your printer by the RD Roll compartment cover. There is a risk of injury if the cover detaches and your printer falls.
!	When connecting cables and accessories, make sure they are connected correctly and in the correct order. Only connect items that are designed specifically for this printer. There is a risk of fire or injury. Refer to the instructions when connecting.
!	
!	If the machine is used for long periods of time, parts of the printer shown may get hot enough to cause low temperature burns.
/	Use caution when handling the machine.
/	
	
Tear bar	
/	DO NOT touch the tear bar directly, otherwise injury may occur.
/	
AC adapter/Car adapter (Optional)	
!	Make sure that the AC adapter's power cord or the Car adapter is accessible so that it can be removed in an emergency. DO NOT place objects on or near the AC adapter's power cord or the Car adapter's cord.
Belt clip	
!	Make sure that the screw is tightened securely. There is a risk of injury if the screw is loose and your printer falls.
!	Make sure that the belt clip is attached securely to your printer and the wearer's belt. There is a risk of injury if the belt clip is not attached securely and your printer falls.
RD Roll	
!	Be careful not to drop the RD Roll.

General Precautions

Rechargeable Li-ion battery

- At the time of purchase, the rechargeable battery is slightly charged so that the operation of your printer can be verified; however, the rechargeable battery should be fully charged with the AC adapter or battery charger before your printer is used.
- If your printer will not be used for a long period of time, remove the rechargeable battery from your printer, and then store it in a location where it is not exposed to static electricity, high humidity, or high temperatures (temperatures between 59°F/15°C and 77°F/25°C and humidity between 40% and 60%, are recommended). In order to maintain the efficiency and life of the rechargeable battery, charge it at least every six months.
- If you notice anything unusual about the rechargeable battery the first time it is used, for example overheating or rust, DO NOT continue to use the battery. Contact Brother customer service.

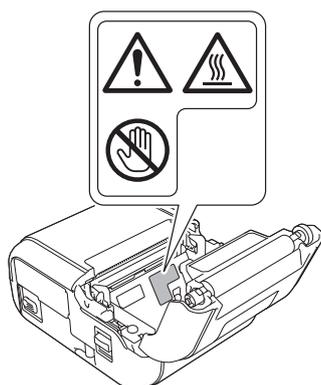
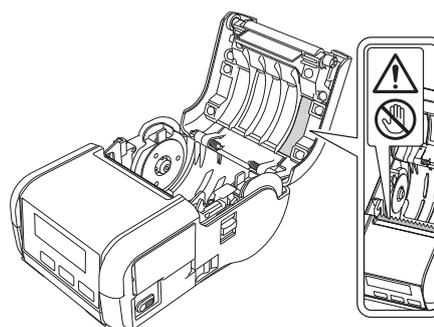
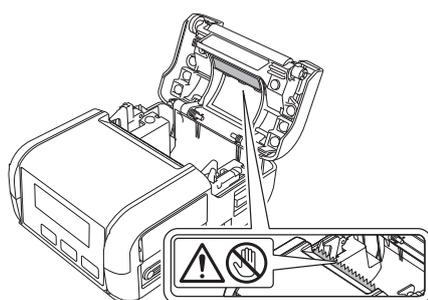
Warning label



The following warning labels appear on your printer. Make sure you understand the contents of each warning label and perform operations while observing the precautions that are described. In addition, be very careful that the warning labels do not peel off and are not scratched.

RJ-2030/2050

RJ-2140/2150



ATTENTION: (For USA and Canada)

The Lithium Ion battery you have purchased is recyclable. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY for information on how to recycle this battery.



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Open Source Licensing Information (RJ-2050/2140/2150)

This product includes open source software.

To see the open source licensing information, please go to the manual download selection on your model's home page of Brother Solutions Center at support.brother.com.

Regulation Compliance for RJ-2030/2050/2140/2150

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED WITH AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Federal Communications Commission (FCC) Declaration of Conformity (For USA only)

Responsible Party: Brother Mobile Solutions, Inc.
11030 Circle Point Road, Suite 100
Westminster, CO 80020, U.S.A.
Tel: (303) 460-1600

declares, that the products

Product Name: Brother Thermal Printer

Model Number: RJ-2030/2050/2140/2150

comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Important

- An interface cable that meets the standard should be used in order to ensure compliance with the limits for a Class B digital device.
- Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.

CAUTION: To maintain compliance with FCC's RF exposure guidelines, use only the supplied antenna. Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. RJ-2030/2050/2140/2150 have been tested and found to comply with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines.

Industry Canada Compliance Statement (For Canada only)

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

RF Exposure information

The product with the WLAN/Bluetooth device has been tested to SAR and complies with FCC and IC exposure requirements for portable devices. SAR testing has been done at distance of 0 cm from the body.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. RJ-2030/2050/2140/2150 have been tested and found to comply with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules.

Rechargeable Li-ion Battery Specifications

- Charging time: Approximately 3 hours when charged by an AC adapter PA-AD-600A.
- Nominal Voltage: DC 7.2 V
- Nominal Capacity: 1750 mAh

Rechargeable Li-ion Battery

Surrounding Temperature Range		
Charge		32°F – 104°F/0°C – 40°C
Discharge		-4°F – 140°F/-20°C – 60°C
Shipped battery	Less than 1 month	-4°F – 122°F/-20°C – 50°C
	Less than 3 months	-4°F – 104°F/-20°C – 40°C
	Less than 1 year	-4°F – 68°F/-20°C – 20°C

Charging Parameters	
Maximum charging voltage	8.26 Vdc
Maximum charging current	1750 mA

Printer

- Charging current: 900 mA (Maximum)
- Charging voltage: up to DC 8.2 V (Maximum)

brother



LBF851001A

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