

RYOBI

ORIGINAL INSTRUCTIONS 4V LITHIUM-ION BATTERY

RB4L20 / RB4L30

IMPORTANT!

It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

Subject to technical modifications.

Save all warnings and instructions for future reference.

SAFETY INSTRUCTIONS

⚠ WARNING! To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product.

Please read and observe these instructions before using the product.

- When battery is not in use, keep it away from other metal objects such as paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause sparks, burns or fire.
- Do not store or carry the battery with other metallic items, for example, in a pocket.
- Do not place battery tools or their batteries near fire or heat. This will reduce the risk of explosion and possible injury.
- Do not crush, drop or damage battery. Do not use a battery that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- Do not charge battery tool in a damp or wet location. Following this rule will reduce the risk of electric shock.
- For best results, charge the battery tool in a location where the temperature is more than 10°C but less than 37°C. To reduce the risk of serious personal injury, do not store outside or in vehicles.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with the skin, wash immediately with soap and water, then

neutralize with lemon juice or vinegar. If liquid gets into the eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.

- Use the product only for its intended use. Do not alter or modify the product from the original design or function.
- Always be aware that misuse and improper handling of the product can cause injury to yourself and others.

TRANSPORTING LITHIUM BATTERIES

Transport the battery in accordance with local and national provisions and regulations.

Follow all special requirements on packaging and labelling when transporting batteries by a third party. Ensure that no batteries can come in contact with other batteries or conductive materials while in transport by protecting exposed connectors with insulating, non-conductive caps or tape. Do not transport batteries that are cracked or leaking. Check with the forwarding company for further advice.

INTENDED USE

Use the battery for Ryobi 4V cordless products only.

Via USB connection, the product can charge 5V USB devices.

OPERATION

BATTERY PROTECTION FEATURES

Ryobi 4V lithium-ion batteries are designed with features that monitor and protect the lithium-ion cells (active, standby, shut off and sleep modes) and maximize battery life.

- The tool may stop during use to prevent overheating or overloading of the battery (active mode). In this case, release the trigger to reset and resume operation.
- If this does not reactivate the tool, the battery is completely discharged (stand-by or sleep mode) and needs to be charged.
- The battery can be recharged in stand-by or sleep mode. It is not necessary to completely discharge the battery before recharging.

NOTE: A completely discharged battery (sleep mode) needs reactivation before the charging process begins. To reactivate a battery in sleep mode, connect it to a charging cable and wait for 90 seconds. If the charging process does not begin, please remove the cable and wait for 30 seconds. Then start a second attempt to re-activate the battery by connecting it to a charging cable. If the charging process does not begin after 3 attempts, the battery may be faulty. In this case, have the battery serviced by a qualified repair person using only identical replacement parts.

COLD WEATHER OPERATION

The lithium-ion battery can be used in temperatures down to -10°C. Put the battery on a tool and use the tool in light duty application. After a while, the battery will warm up and begin operating normally.

CHARGING THE BATTERY

Batteries are shipped in a low charge condition to prevent possible problems. Therefore, they

should be charged prior to first use.

NOTE: If the battery cannot be charged under normal circumstances, return both the battery to the nearest Ryobi authorised service centre for electrical check.

- Connect the charging adaptor to the power supply. Make sure that the adaptor output matches the battery input requirements.
- The battery will become slightly warm to the touch while charging. This is normal and does not indicate a problem.

NOTE: Do not place the battery in an area of extreme heat or cold. It will work best at normal room temperature.

- Place the battery on a hard surface not soft (carpet, etc.), when charging.
- When the battery becomes fully charged, remove it from the charging cable.
- After normal usage, a minimum of 2 hours charging time is required to fully recharge the battery.

CHARGING A HOT BATTERY

When using a tool continuously, the battery will become hot. A hot battery should be let to cool before attempting to recharge. When a hot battery is placed on the charger, the charger may indicate the battery is not ready to charge. When the battery cools, the charger will automatically begin charging.

CHARGING A COOL BATTERY

If the battery is below normal temperature range, the green LED will on. When the battery warms to a temperature of more than 0°C, the charger will automatically begin charge mode.

CHARGING A USB DEVICE

Connect one end of a USB cable to your USB device.

Connect the other end of the USB cable to the USB port to begin charging the device.

LED INDICATOR

The LED indicator shows the charge status of the battery when connected to a charging cable.

Charge status	LED indicator
Charging	Flashing
Fully charged	On
No power supply / USB-C cable error	Off

BATTERY FUEL GAUGE

To display the amount of charge available in the battery, firmly press the charge level indicator button. The LED indicator will light up to show the amount of charge available in the battery for charging external devices.

LED indicator	Battery charge available
Solid green	66 - 100%
Solid orange	26 - 65%
Solid red	1 - 25%
Flashing red	<1%

MAINTENANCE

The batteries have been designed to provide maximum trouble-free life. However, like all

batteries, they will eventually wear out. **DO NOT** disassemble battery and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewellery, could result in serious burns.

To obtain the longest possible battery life, remove the battery from the charging cable once it is fully charged and ready for use.

STORAGE

For battery storage longer than 30 days:

- Store the battery where the temperature is below 27°C.
- Store batteries in a "charged" condition (minimum of 30%-50% charged).
- To charge the battery after a six months storage period, it is recommended to discharge the battery about 10% - 20% (by running it in a tool) and charge afterwards to maximize the battery lifetime.

⚠ WARNING! Upon removal, cover the terminals of the battery with heavy-duty adhesive tape. Do not attempt to destroy or disassemble battery or remove any of its components. Batteries must be recycled or disposed of properly. Also, never touch both terminals with metal objects and/or body parts as short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.

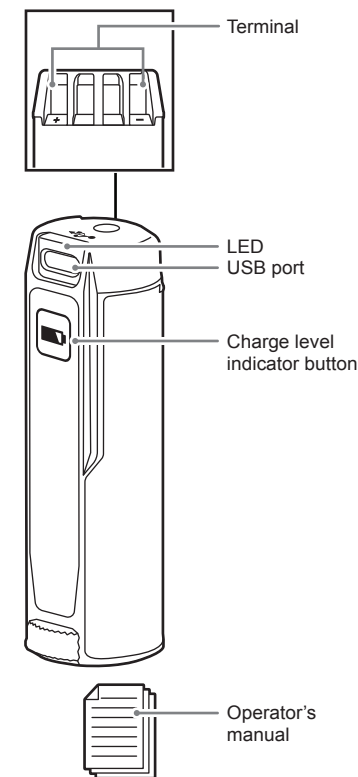
SYMBOLS

- Volts
- Direct current
- Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.
- Please read the instructions carefully before starting the machine.
- Do not dispose of used batteries in the household refuse or by burning them. Hand them over to applicable collection points.
- Li-Ion

Do not dispose of waste batteries, waste electrical and electronic equipment as unsorted municipal waste. Waste batteries and waste electrical and electronic equipment must be collected separately. Waste batteries, waste accumulators, and light sources have to be removed from the equipment. Check with your local authority or retailer for recycling advice and collection point. According to local regulations, retailers may have an obligation to take back waste batteries and waste electrical and electronic equipment free of charge. Your contribution to the reuse and recycling of waste batteries and waste electrical and electronic equipment helps to reduce the demand of raw materials. Waste batteries, in particular containing lithium, and waste electrical and electronic equipment contain valuable and recyclable materials, which can adversely impact the environment and the human health if not disposed of in an environmentally compatible manner. Delete personal data from waste equipment, if any.

PRODUCT SPECIFICATIONS

USB-C port	
Input	5V
Output	5V 1A
Maximum input current	2A
Battery capacity	
RB4L20	2.0 Ah
RB4L30	3.0 Ah
Weight	
RB4L20	0.06 kg
RB4L30	



Imported by:
Techtronic Industries Australia Pty Ltd
 31 Gilby Road, Mount Waverley,
 VIC, 3149, Australia
Techtronic Industries N.Z. Limited
 Unit C, 70 Business Parade South,
 Highbrook, Auckland 2013, New Zealand

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