

## Velleman BH521A

# Velleman BH521A Battery Holder User Manual

## INTRODUCTION

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This manual provides essential instructions for the proper use, setup, and maintenance of the Velleman BH521A Battery Holder. This device is designed to securely hold two N-cell (LR01) batteries and provide electrical connections via pre-attached leads. Please read this manual thoroughly before use to ensure safe and effective operation.

## PRODUCT OVERVIEW

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The Velleman BH521A is a compact battery holder designed for applications requiring a portable power source from N-cell batteries. It features durable construction and pre-wired leads for convenient integration into electronic circuits.



**Figure 1:** Velleman BH521A Battery Holder. This image displays the black plastic casing of the Velleman BH521A battery holder, designed to securely accommodate two N-cell (LR01) batteries. Visible are the internal metal spring contacts for the negative terminals and flat contacts for the positive terminals. Red and black electrical leads are pre-attached, extending from the top of the holder, indicating the positive and negative connections respectively.

#### Key Features:

- Holds 2 x N-Cell (LR01) batteries.
- Equipped with pre-attached red and black leads for easy connection.
- Durable plastic construction.

#### SETUP

##### 1. Battery Insertion:

Identify the positive (+) and negative (-) terminals within the battery holder. The positive terminal is typically a flat contact, while the negative terminal has a spring. Insert two N-cell (LR01) batteries, ensuring their polarity matches the markings inside the holder. The flat end of the battery should align with the flat contact, and the dimpled end with the spring.

##### 2. Connecting Leads:

The battery holder comes with two pre-attached leads: a red wire and a black wire. The red wire

indicates the positive (+) output, and the black wire indicates the negative (-) output. Connect these leads to your electronic circuit or device, observing correct polarity to prevent damage.

## OPERATING INSTRUCTIONS

Once batteries are correctly inserted and leads are connected to your device, the Velleman BH521A Battery Holder will supply power. There are no operational controls on the holder itself. Power delivery is determined by the connected circuit.

- Ensure all connections are secure before applying power to your circuit.
- Always verify the voltage requirements of your device match the output voltage of two N-cell batteries (typically 1.5V each, totaling 3V).

## MAINTENANCE

The Velleman BH521A Battery Holder requires minimal maintenance.

- **Cleaning:** If necessary, gently wipe the holder with a dry, soft cloth. Avoid using liquids or abrasive cleaners.
- **Storage:** Store the battery holder in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if the holder will not be used for an extended period to prevent leakage.
- **Inspection:** Periodically inspect the battery contacts and leads for any signs of corrosion or damage. Replace the holder if any damage is observed.

## TROUBLESHOOTING

If you encounter issues with your Velleman BH521A Battery Holder, consider the following:

- **No Power Output:**
  - Ensure batteries are inserted with correct polarity.
  - Check if the batteries are fully charged or new.
  - Verify that the red and black leads are securely connected to your circuit and that the circuit itself is functioning correctly.
  - Inspect battery contacts for corrosion or debris; clean if necessary.
- **Loose Connections:**

Ensure the leads are firmly attached to your circuit. If the leads on the holder itself appear loose or damaged, discontinue use and replace the unit.

## SPECIFICATIONS


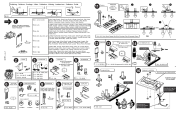




Model Number	BH521A
Battery Type Supported	2 x N-Cell (LR01)
Output Connection	Pre-attached leads (Red: Positive, Black: Negative)
Approximate Dimensions	4.72 x 2.68 x 1.1 inches (Package Dimensions)
Approximate Weight	0.8 ounces (Package Weight)

## WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your Velleman BH521A Battery Holder, please refer to the official Velleman website or contact Velleman customer service directly. Contact details are typically available on the manufacturer's packaging or website.

**Manufacturer:** Velleman, Inc.

### Related Documents - BH521A

	<p><a href="#">Velleman K5201 Light Computer - Illustrated Assembly Manual</a></p> <p>Detailed illustrated assembly manual for the Velleman K5201 Light Computer kit. Learn how to build and use this electronic project featuring 16 patterns and 7 outputs for creating unique light shows.</p>
	<p><a href="#">Velleman MK151 Electronic Kit Assembly Instructions</a></p> <p>Comprehensive assembly guide for the Velleman MK151 electronic kit, detailing component identification, step-by-step construction, and important environmental disposal information.</p>
	<p><a href="#">Velleman PROBE150 Oscilloscope Probe User Manual</a></p> <p>Comprehensive user manual for the Velleman PROBE150 oscilloscope probe, detailing specifications, safety instructions, and maintenance for accurate signal measurement.</p>
	<p><a href="#">Velleman K5201 Light Computer Illustrated Assembly Manual</a></p> <p>Detailed illustrated assembly manual for the Velleman K5201 Light Computer kit, including features, specifications, component lists, assembly instructions, hook-up diagrams, and safety information.</p>
	<p><a href="#">Velleman K4102 Guitar Preamplifier with Headphone Output Assembly Manual</a></p> <p>Assembly instructions, specifications, and schematic for the Velleman K4102 Guitar Preamplifier with Headphone Output DIY kit. Learn how to build and use this device for practicing guitar without disturbing others.</p>
	<p><a href="#">Velleman K4006 Power Supply Assembly Manual</a></p> <p>Illustrated assembly manual for the Velleman K4006 power supply, compatible with K4004B and K4005B models. Includes tools, assembly hints, construction steps, connection diagrams, and PCB layout.</p>