

## Eureka NEC451BL

# Eureka NEC451BL Cordless Vacuum Cleaner Instruction Manual

Model: NEC451BL | Brand: Eureka

### IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before using this appliance. Failure to follow these instructions may result in electric shock, fire, or serious injury. Keep this manual for future reference.

- Do not use outdoors or on wet surfaces.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Use extra care when cleaning on stairs.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use without dust cup and/or filters in place.
- Turn off all controls before unplugging.
- Store your appliance indoors in a cool, dry area.
- Use only the charger specified by the manufacturer.

## WHAT'S IN THE BOX

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Your Eureka NEC451BL Cordless Vacuum Cleaner package includes the following components:

- Main Vacuum Unit
- Extension Wand
- Motorized Floor Brush with Anti-Tangle Nozzle
- Detachable Lithium-Ion Battery
- Charging Adapter
- Crevice Tool
- Dusting Brush (2-in-1)
- Wall Mount Bracket with Screws
- User Manual

## SETUP

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### 1. Assembly

1. **Attach the Extension Wand:** Insert the top end of the extension wand into the main vacuum unit until it clicks securely into place.
2. **Attach the Motorized Floor Brush:** Connect the motorized floor brush to the bottom end of the extension wand, ensuring it clicks firmly.
3. **Install the Battery:** Slide the detachable lithium-ion battery into the slot on the main vacuum unit until it locks.

### 2. Initial Charging

Before first use, fully charge the battery. Connect the charging adapter to the battery charging port on the main unit or directly to the detached battery. Plug the adapter into a wall outlet. The battery indicator lights will show charging progress. A full charge typically takes approximately 4-5 hours.



## Multi-cyclonic Filtration System

Captures tiny particles in the dust cup, preventing clogs and maintaining lasting suction.

Figure 1: Detachable Lithium-Ion Battery for easy charging and replacement.

## OPERATING INSTRUCTIONS

### 1. Power On/Off and Mode Selection

- **Power On:** Press the power button on the handle to turn on the vacuum.
- **Mode Selection:** Use the mode button to cycle through LOW, AUTO, and HIGH suction modes. AUTO mode intelligently adjusts suction based on dust levels and floor type.
- **Power Off:** Press the power button again to turn off the vacuum.

### 2. Anti-Tangle Nozzle

The motorized floor brush features an anti-tangle nozzle with special fins and comb-strips designed to guide hair away from the brushroll in real-time, preventing wraps and maintaining consistent suction. This is ideal for homes with pets.



## Sense+React Technologies

Intelligent Sensors adjust suction and brush speed automatically for a deeper clean and longer battery life.

Figure 2: The Anti-Tangle Nozzle prevents hair from wrapping around the brushroll.

### 3. Smart Sense+React Technologies

In AUTO mode, the vacuum's intelligent sensors detect dust and debris levels, automatically adjusting suction power and brush speed for optimal cleaning efficiency and extended battery life across various surfaces like hardwood, carpets, and tiles.





Figure 3: Smart Sense+React Technologies adapt to cleaning needs.

#### 4. Versatile Cleaning

The Eureka NEC451BL can easily convert from an upright stick vacuum to a handheld unit for versatile cleaning. Attach the crevice tool for tight spaces, corners, and edges, or the dusting brush for upholstery, car interiors, and delicate surfaces.

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Video 1: Demonstrates the versatile cleaning capabilities of the Eureka ReactiSense 451 Cordless Stick Vacuum Cleaner, including its use with various attachments for different surfaces and hard-to-reach areas.

#### 5. LED Headlight

The motorized floor brush is equipped with an LED headlight that illuminates dark corners and under furniture, making hidden dust and debris visible for thorough cleaning.

## 1. Emptying the Dust Cup

To empty the dust cup, press the dust cup release button located on the main unit. Hold the dust cup over a trash bin and open the bottom flap to release debris. Close the flap securely after emptying.

Figure 4: One-Touch Dust Cup Release for easy and hygienic emptying.

## 2. Cleaning the HEPA Filter

The vacuum features an H13 HEPA filter with complete seal technology, capturing 99.95% of microparticles and odors. The filter is washable and reusable. To clean, twist and pull out the filter from the dust cup. Rinse it under cold water until the water runs clear. Allow it to air dry completely for at least 24 hours before reinserting. Clean the filter every 3 months or as needed, depending on usage.



### One-Touch Dust Cup Release

One-step dustbin emptying, hands stay clean

Figure 5: Washable and reusable HEPA filter for sustained performance.

## 3. Cleaning the Brushroll

The anti-tangle brushroll can be easily removed for cleaning. Unlock the brushroll cover on the motorized floor brush and pull out the brushroll. Remove any tangled hair or debris. Reinsert the brushroll and secure the cover.

## TROUBLESHOOTING

### Q: What is the battery life of the Eureka cordless vacuum?

A: On a full charge, the vacuum provides up to 60 minutes of runtime in Low mode, or 35 minutes in High mode, while Auto mode automatically adjusts suction power based on dust detection. (Default startup mode: Auto)

### Q: Why is suction power weak?

A: Check filter: Clean the HEPA filter (rinse with water and dry completely). Remove debris from the cyclone filter using a soft brush. Check blockages: Check the dust cup, suction inlet, and hose for clogs. Detach the floor brush and clear any tangled hair or large particles.

**Q: Why won't the floor brush rotate?**

A: Check if physical obstructions: Turn off the vacuum and remove hair or debris wrapped around the floor brush roller. Check connection issues: Detach and reattach the floor brush to ensure it clicks into place. Clean the electrical contacts between the brush and the main body.

**Q: High Mode does not activate automatically. How to troubleshoot?**

A: Clean the dust sensor with a dry cloth. Ensure the floor nozzle is not obstructed. Charge if the battery is low.

**Q: Why won't the vacuum turn on?**

A: Check the battery status: Ensure the battery is charged (if the battery indicator light is off or one light flashes, charge the device for at least 30 minutes). Briefly press the Power button (do not hold it down). Battery installation: Remove and reinsert the battery pack to ensure it is securely connected. Clean the battery contacts if corroded.

**Q: Are replacement parts readily available for the Eureka cordless vacuum?**

A: Yes, we offer easily accessible replacement components, including: fast-charging adapter, portable spare battery and washable HEPA filters. These parts are available for purchase through our official website or authorized retailers.

**Q: What surfaces is the Eureka cordless vacuum cleaner ReactiClean suitable for?**

A: The Eureka cordless vacuum cleaner ReactiClean is designed for versatile cleaning across multiple surfaces, including hardfloors, low-pile carpets, and car interiors. It effectively handles everyday debris such as dust, pet hair, and food crumbs, delivering consistent performance in both residential and compact spaces.

**Q: How do I clean and maintain the vacuum?**

A: Maintenance is streamlined for convenience: Empty debris effortlessly via the one-touch dustbin release. The washable HEPA filter and detachable brush roll can be rinsed with water and air-dried. For optimal performance, clean the filter every 3 months and replace it annually, depending on usage frequency.

## SPECIFICATIONS

Feature	Detail
Brand	Eureka
Model Name	Cordless Vacuum Cleaner
Model Number	NEC451BL
Special Features	Cordless, Detachable Battery, HEPA, Lightweight, Rechargeable, Washable Filter, Anti-Tangle Brushroll, Smart Sense+React
Filter Type	HEPA Filter
Is Cordless?	Yes
Capacity	0.5 Liters
Wattage	350 watts
Battery Life	Up to 60 minutes
Number of Speeds	3 (LOW/AUTO/HIGH)
Item Weight	1 pounds (main unit)
Product Dimensions	10.04"L x 10.12"W x 49.61"H
Recommended Uses	Bed, Car, Pet Hair, Hard Floor, Carpet

## WARRANTY AND SUPPORT

Eureka provides a 12-month care program for this product. For any inquiries, technical support, or to purchase genuine replacement accessories, please visit the official Eureka website or contact their customer service. A timely resolution framework is available via email, phone, and app. For more information, visit the [Eureka Store on Amazon](#).



