

## VINGLI VL-HR-98

# VINGLI Wrought Iron Handrail for Outdoor Steps (1-2 Steps)

Model: VL-HR-98

Instruction Manual

## 1. PRODUCT OVERVIEW

The VINGLI Wrought Iron Handrail is designed to provide stable support for outdoor steps. Constructed from durable wrought iron with a powder-coated surface, it offers resistance to rust and various weather conditions. This handrail is adjustable to accommodate different step heights and is suitable for a range of surfaces including concrete, porch, and wooden steps.

Key features include:

- **Sturdy Construction:** Made of wrought iron, supporting weights up to 450 lbs.
- **Adjustable Design:** Height and angle can be adjusted from 0-35 degrees to fit 1 to 5 steps.
- **Secure Grip:** Provides a comfortable and stable grip, even in wet conditions.
- **Versatile Application:** Suitable for residential and commercial settings, including porch, courtyard, indoor, and park steps.

## 2. SAFETY INFORMATION

Please read and understand all instructions before installation and use. Failure to follow these instructions may result in injury or property damage.

- Always wear appropriate safety gear, including gloves and eye protection, during installation.
- Ensure the mounting surface is structurally sound and capable of supporting the handrail and anticipated loads.
- Verify all fasteners are securely tightened after installation and periodically check for looseness.
- Do not modify the handrail structure, as this may compromise its integrity and safety.

- Keep children and pets away from the installation area.

### 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x VINGLI Wrought Iron Handrail
- 1 x Installation Kit (includes necessary hardware)

### 4. SETUP AND INSTALLATION

Installation typically takes approximately 15 minutes. Follow these steps for secure mounting.



Image: Quick 4-step setup guide for VINGLI handrail installation. Shows the base plate, drilling points, bolt installation, and final cover.

1. **Step 1: Position the Handrail Base.** Place the handrail in the desired location on your steps. Use the base plates as a template to mark the drilling points on the surface. Ensure the handrail is properly aligned and level.
2. **Step 2: Drill Pilot Holes.** Using an appropriate drill bit for your surface (concrete, wood, or brick), drill pilot holes at the marked locations. The depth and diameter of the holes should match the provided

anchors.

- Step 3: Secure the Handrail.** Insert the anchors into the drilled holes. Place the handrail over the anchors and secure it using the provided bolts and washers. Tighten all bolts firmly to ensure stability.
- Step 4: Install Base Covers.** Once the handrail is securely fastened, place the decorative base covers over the mounting plates to conceal the hardware and provide a finished look.



Image: VINGLI handrail installed on various step types including wood, concrete, and brick, demonstrating its universal fit.

# ONE RAIL FITS ALL

**Porch Steps**



**Courtyard Steps**



**Indoor Steps**



**Park Steps**



Image: VINGLI handrail shown in various settings: porch steps, courtyard steps, indoor steps, and park steps, illustrating its wide application.

## 5. OPERATING INSTRUCTIONS

The VINGLI Wrought Iron Handrail is designed for passive use to provide support and stability when ascending or descending steps. Simply grasp the handrail firmly to assist with balance and movement.



Image: A person using the VINGLI handrail to safely descend outdoor steps, highlighting its function for stability.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and appearance of your handrail.

- **Cleaning:** Wipe the handrail with water and a non-abrasive cloth to remove dirt and debris. Avoid harsh chemicals that may damage the powder-coated finish.
- **Inspection:** Periodically inspect all mounting points and fasteners for tightness. Re-tighten any loose bolts to maintain stability.
- **Rust Prevention:** The powder-coated surface is rust-resistant. If any scratches or chips occur, touch up with appropriate outdoor metal paint to prevent rust.

## POWDER-COATED SURFACE



Image: Close-up of the VINGLI handrail's powder-coated surface, illustrating its weather-proof properties, comfortable grip, and curved edges.

## 7. TROUBLESHOOTING

Common issues and their solutions:

Problem	Possible Cause	Solution
Handrail feels wobbly	Loose mounting bolts or inadequate anchors.	Check and tighten all mounting bolts. If wobbling persists, consider using stronger anchors suitable for your mounting surface.
Rust spots appear	Damage to the powder coating exposing bare metal.	Clean the rusted area, lightly sand if necessary, and apply a rust-inhibiting outdoor metal paint.
Difficulty adjusting angle	Adjustment bolts are too tight or mechanism is stiff.	Loosen adjustment bolts slightly. Apply a silicone-based lubricant to the adjustment points if stiffness persists.

## 8. SPECIFICATIONS

Attribute	Detail
Brand	VINGLI
Model Number	VL-HR-98
Material	Wrought Iron
Color	Black
Finish Type	Powder Coated
Item Weight	10.8 Pounds
Product Dimensions (L x W)	43.9" x 24.67"
Weight Capacity	Minimum 600 Pounds
Adjustable Angle	0-35 degrees
Steps Accommodated	1 to 5 Steps
UPC	810158424333

# VINGLI | PRODUCT DIMENSIONS



Image: Detailed diagram showing the dimensions of the VINGLI handrail, including height, length, and base measurements.

## SOLID SAFETY, STEP BY STEP



**Heavy-duty Wrought Iron**  
Supports up to 400 lbs



**Extra Bars, Extra Stability**  
Reinforced Bars + Wide Base

Image: Close-up view of the VINGLI handrail, highlighting its heavy-duty wrought iron construction and the reinforced wide base for enhanced stability.

### 9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact VINGLI customer service. Keep your purchase receipt for any warranty claims.

Contact Information:

- Refer to the contact details provided with your product packaging.
- Visit the official VINGLI website for support resources.