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Panasonic FV-0510VSL1

Panasonic WhisperValue FV-0510VSL1 Bathroom Exhaust Fan with Dimmable LED Light

INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your Panasonic WhisperValue FV-0510VSL1 Ceiling/Wall Mount Bathroom Exhaust Fan with Dimmable LED Light. Please read all instructions carefully before beginning installation or use, and retain this manual for future reference.

The Panasonic WhisperValue FV-0510VSL1 is designed to provide quiet and effective ventilation for bathrooms, laundry rooms, and garages, helping to reduce humidity, odors, and airborne pollutants. It features a DC/ECM motor, SmartFlow technology, and a dimmable 3000K LED light with a low power nightlight function.

2. Safety Information

- Always disconnect power at the service panel before installing or servicing the fan.
- All wiring must comply with local and national electrical codes.
- Ensure proper grounding to reduce the risk of electric shock.
- Do not use this fan in areas where it may be exposed to water, such as directly over a shower or tub, unless GFCI protected.
- Wear appropriate personal protective equipment (PPE) during installation, including safety glasses and gloves.
- Ensure the fan is securely mounted to prevent it from falling.
- Do not use the fan for purposes other than its intended use.

3. Product Features

The Panasonic WhisperValue FV-0510VSL1 is engineered with advanced features for optimal performance and user convenience:

- **DC/ECM Motor with SmartFlow Technology:** This motor ensures quiet operation and maintains consistent CFM output even against static pressure.
- **Pick-A-Flow Speed Selector:** Easily select your desired airflow from 50, 80, or 100 CFM to match your room size and ventilation needs.
- **Dimmable 3000K LED Light:** Provides warm, energy-efficient illumination with a low power nightlight feature.
- **Ultra-Slim Housing:** A sleek 3-3/8 inch housing depth allows for effortless installation in tight spaces.
- **Unique L-Shaped Bracket:** Simplifies installation and provides strong, secure support.
- **UL Listed:** Suitable for ceiling, wall, and tub/shower enclosure mounts when GFCI protected.
- **Energy Star Certified:** Ensures high efficiency and energy savings.



Image: The fan's internal components highlighting the SmartFlow ECM Technology for optimal CFM output and energy efficiency.

WhisperValue® DC™ VENTILATION FAN

QUIET, CLEAN AIR:

Prevent humidity, mold, mildew, and other air pollutants from any room

Panasonic



Image: A modern bathroom setting with the WhisperValue fan installed, illustrating its role in preventing humidity, mold, mildew, and other air pollutants.



Image: Close-up of the Panasonic WhisperValue fan's internal mechanism, highlighting the Pick-A-Flow speed selector for choosing between 50, 80, or 100 CFM.

4. Package Contents

Your Panasonic WhisperValue FV-0510VSL1 package should include the following items:

- Ventilation Fan unit
- Grille
- Flexi-Fast bracket
- Installation manual
- Warranty sheet
- Self-drilling screws (4)

▶ **Watch video online**

Panasonic Low Profile Bathroom Exhaust Fan Unboxing

Video: An unboxing of the Panasonic Low Profile Bathroom Exhaust Fan, showing the contents of the package and initial setup.

5. Setup and Installation

The Panasonic WhisperValue fan is designed for easy installation in both new construction and remodeling projects. It can be mounted in ceilings or walls.

5.1 Preparing for Installation

- Ensure the power supply is turned off at the circuit breaker.
- Determine the desired mounting location (ceiling or wall) and ensure there is sufficient space for the fan housing (3-3/8 inch depth) and ductwork.
- Use the provided cardboard template to mark the cutout area on the ceiling or wall.
- Cut the opening carefully along the marked lines.

5.2 Mounting the Fan Housing

- The unique L-shaped bracket simplifies installation and provides strong support. Secure the fan housing to the joist or stud using appropriate fasteners.
- Connect the 4-inch oval ducting to the fan's exhaust port. Ensure a tight seal to prevent air leakage.



Image: The fan being installed in a ceiling, showcasing the unique L-shaped bracket that simplifies installation and provides strong

support.

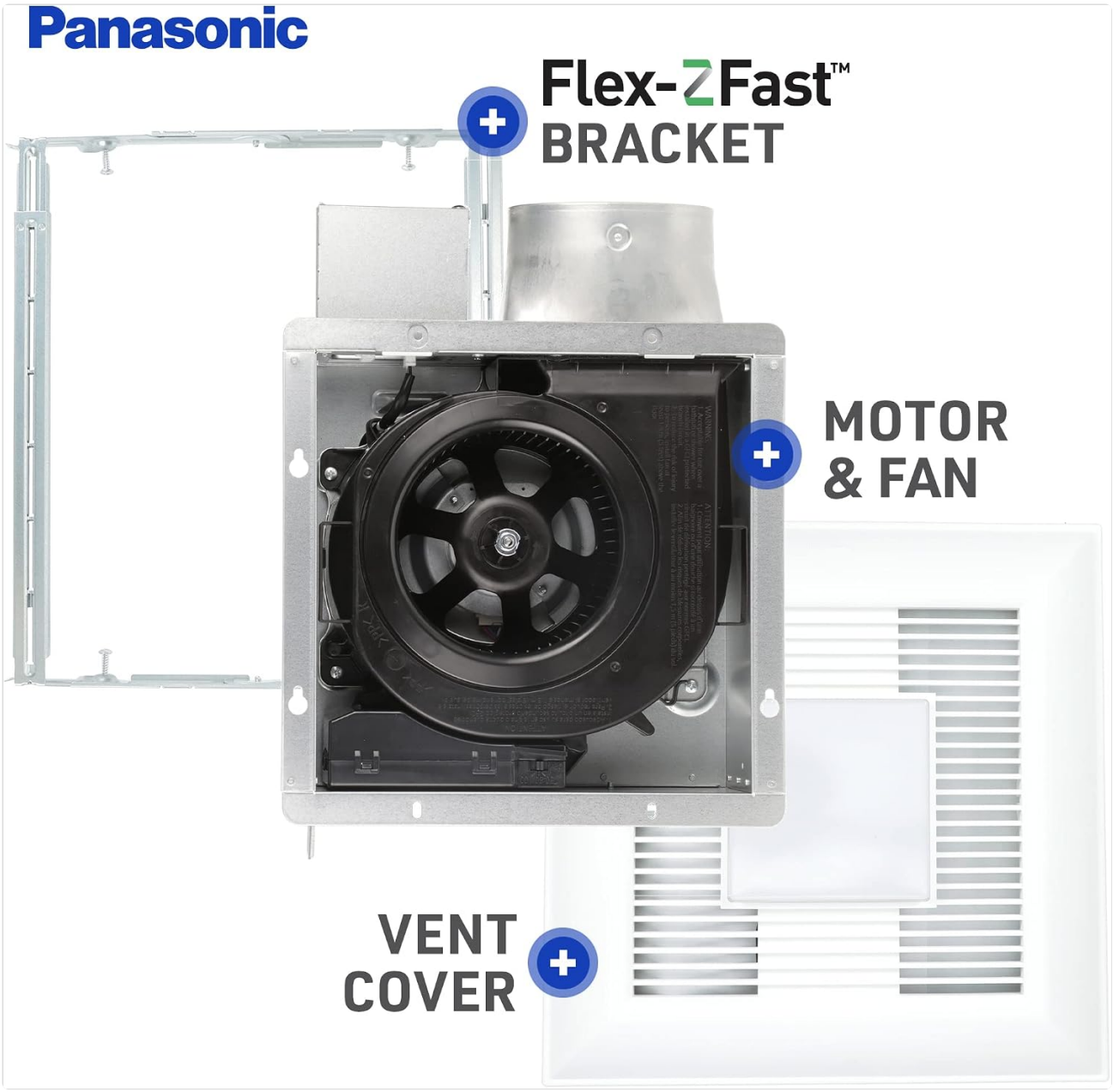

Image: An exploded view illustrating the main components of the fan, including the Flex-Z-Fast bracket, motor and fan assembly, and the vent cover, highlighting ease of assembly.

▶ **Watch video online**
Panasonic Whisper Value Bath Fan PRO Installation Tool List

Video: A professional guide detailing the tools required and steps for installing the Panasonic WhisperValue Bath Fan.

▶ **Watch video online**
How to Air Seal A Bathroom Exhaust Fan in the Attic

Video: Instructions on how to properly air seal a bathroom exhaust fan in the attic to maximize efficiency and prevent air leaks.

5.3 Electrical Connection

- Remove the wiring cover from the fan housing.
- Connect the household wiring to the fan's wiring (Black to Hot, White to Neutral, Green to Ground).
- Secure all connections with wire nuts and replace the wiring cover.

▶ **Watch video online**
Panasonic Low Profile Fan Motor & Electrical Separation

Video: A demonstration on how to separate the electrical housing from the fan motor for easier wiring and installation.

6. Operating Instructions

Your Panasonic WhisperValue fan is equipped with a Pick-A-Flow speed selector, allowing you to customize the airflow:

- Locate the CFM selector switch on the fan unit.
- Choose between 50, 80, or 100 CFM settings based on your room size and desired ventilation level.
- The dimmable LED light and nightlight function can be controlled via a compatible wall switch (not included).

▶ **Watch video online**
WhisperValue DC Ventilation Fan

Video: An overview of the WhisperValue DC Ventilation Fan, demonstrating its features including the adjustable CFM settings.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your fan.

7.1 Cleaning the Grille

- Turn off power at the circuit breaker.
- Gently pull down the grille to detach it from the fan housing.
- Wash the grille with a mild detergent and water. Rinse thoroughly and dry completely before reattaching.

7.2 Cleaning the Motor/Fan Assembly

- Turn off power at the circuit breaker.
- Remove the grille.
- Carefully disconnect the motor assembly from the housing (refer to installation steps for detachment).
- Use a soft cloth or vacuum cleaner with a brush attachment to remove dust and debris from the fan blades and motor housing. Do not immerse the motor in water.
- Reassemble the motor/fan assembly and grille once clean and dry.

8. Troubleshooting

Problem	Possible Cause	Solution
Fan does not operate	No power; loose wiring; motor malfunction	Check circuit breaker; verify wiring connections; contact qualified electrician.
Low airflow	Clogged grille/fan blades; restricted ductwork; incorrect CFM setting	Clean grille and fan blades; check ductwork for obstructions; adjust CFM setting.
Excessive noise	Loose mounting; debris in fan; motor issue	Ensure fan is securely mounted; clean fan blades; contact support if motor issue persists.

Problem	Possible Cause	Solution
LED light not working	Loose connection; LED module failure	Check electrical connections to the light; contact support for LED module replacement.

9. Specifications

Feature	Specification
Brand	Panasonic
Model Name	WhisperValue
Item Model Number	FV-0510VSL1
Style	Fan + LED Light
Air Flow Capacity	50, 80, or 100 Cubic Feet Per Minute (CFM) selectable
Noise Level	0.9 Sones
Wattage	12.4 watts
Voltage	120 Volts
Product Dimensions	13"D x 13"W x 4.88"H
Duct Diameter	4" Oval
Motor Type	Brushless (DC/ECM)
Special Feature	Dimmable LED Light, Nightlight
Installation Type	DIY, Ceiling Mount, Wall Mount
Certification	Energy Star Certified

10. Warranty and Support

This Panasonic WhisperValue fan comes with a manufacturer's warranty. Please refer to the included warranty sheet in your package for specific terms, conditions, and duration of coverage. For technical support, replacement parts, or warranty claims, please contact Panasonic customer service.

It is recommended to register your product upon purchase to facilitate any future support needs.

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