



5
YEAR
SATISFACTION
GUARANTEE

model VMH505

WHOLE ROOM HEATER
OWNER'S GUIDE

READ AND SAVE
THESE INSTRUCTIONS

vornado.com

we expect
this product
to be **PERFECT**

if it's not,
WE will make
it right

vornado.com
800.234.0604
help@vornado.com

CONTENTS

Important Safety Instructions	4	Reset Heater	13
Safety Features	7	Troubleshooting	14
Controls.....	8	Warranty.....	15
How to Use	9		
Remote Control.....	10		
Cleaning	12		
Storage.....	13		

READ ALL INSTRUCTIONS BEFORE USING THIS HEATER

IMPORTANT SAFETY INSTRUCTIONS

This owner's guide and any additional inserts are considered part of the product. They contain important information about safety, use and disposal. Before using the product, please familiarize yourself with all operating and safety instructions. Please keep all documents for future reference and pass these documents on, together with the product, to any future owner. See www.vornado.com to view, download and print the most current version of this owner's guide.

INTENDED USE: This product is intended to heat and circulate the air in indoor living spaces only. This product is intended for floor use only. This product is not intended for commercial or industrial use. This heater is not intended for use in bathrooms, laundry areas, and similar damp locations. The manufacturer assumes no responsibility for damage or injury due to unauthorized use or product modification. Failure to follow these directions will void the product warranty.

WARNING: When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:



WARNING: Chemical burn hazard. Keep batteries away from children.

WARNING: KEEP NEW AND USED BATTERIES AWAY FROM CHILDREN.

This product contains a lithium button/coin cell battery. If a new or used lithium button/coin cell battery is swallowed or enters the body, it can cause severe internal burns and can lead to death in as little as 2 hours. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the

product, remove the batteries, and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

WARNING: Risk to Children and Impaired Persons

- Extreme caution is required during the installation, operation, cleaning and maintenance of this product by or around children 12 years of age and younger and anyone with reduced physical, sensory or mental capabilities, and whenever the heater is left operating and unattended. Children should be supervised to ensure that they do not play with the appliance, its parts and packaging material.

INSTALLATION WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
- Do not use this heater in an RV, boat or during any application where battery power is converted to AC power.
- Place this product at least 3 feet away on all sides from electrical outlets, furniture, pillows, bedding, papers, clothes, curtains and other objects that may cause or catch on fire. Do not place the heater near a bed because objects such as pillows or blankets can fall off the bed and be ignited by the heater.
- To prevent a possible fire, do not place the heater on soft surfaces, like a bed, where air intakes or exhaust can be blocked in any manner.
- No part of this product (the appliance, power cord, plug, packaging, etc.) should be placed near furnaces, fireplaces, stoves or other high temperature heat sources. Do not use in a window, on an uneven or unstable surface, or near water.
- Do not use this product on an elevated surface such as a shelf or desktop. Use only while placed on the floor. Operate only in the upright position.

- The appliance, power supply, power cord and plug cannot come into contact with water. Do not use this product on wet surfaces. Do not use this product in a bathtub or shower or position product where it may fall into a bathtub, shower, laundry, swimming pool or other water container. Do not use in a window, outdoors, or exposed to weather or elements.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over. The cord should not hang over edges of counters or be placed where it can be crimped or closed in doors. Place appliance near an easily accessible outlet so the product can be unplugged quickly during an emergency.
- Do not modify the product with any aftermarket accessory.

SAFE USE WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Extreme caution is required at all times a heater is in operation. Always unplug heater when not in use. Vornado does not recommend unattended and unsupervised use of this heater.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater.
- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip). Do not use this heater on a surge-protected unit or Ground Fault Circuit Interrupted (GFCI) outlet.
- Before plugging power cord into electrical outlet, be sure that all electrical information on the rating label, including voltage, is compatible with your outlet's power supply.
- **WARNING:** To reduce likelihood of circuit overload, fire and electric

shock, do not operate with a solid state speed device, such as a dimmer control switch. Use of this appliance on the same electrical circuit as another high energy use product, such as a vacuum cleaner, blender, variable speed fan or circular saw is not advised. Do not use this heater with a timer designed to automatically turn the unit on or off, as this may accidentally disable the heater's thermal cutout safety feature.

- Risk of fire. Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater or return to authorized service facility for examination and/or repair.
- Never use the cord as a handle or otherwise yank, strain or stretch the power cord.
- While the product is plugged in, do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- Check your heater cord and plug connections. A loose fitting outlet can cause the plug to overheat or cause a fire. Be sure plug fits tight in the outlet. Check frequently during use to make sure plug and outlet are not hot. If so, discontinue using heater and have outlet replaced by a qualified electrician.
- Never ignore the signs of an electrical problem, such as: warm outlet coverplates, sparks when plugging in or operating, lights flickering/dimming during operation. Immediately turn off and unplug the appliance if any such problems are noticed. Contact a qualified electrician to investigate possible causes before operating the appliance again.
- **Note:** Heaters draw more current than small appliances, overheating of the outlet may occur even if it has not occurred with the other appliances.
- This product's power cord is equipped with a three-prong, grounded plug that must be inserted into a grounded receptacle. Connect to properly grounded outlets only.
- This heater is for use with 120 volt electrical outlets. The cord has

a plug as shown at A in Figure 68.1, below. An adapter as shown at C is available for connecting three-blade grounding-type plugs to two-slot receptacles. The green grounding lug extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. The adapter should not be used if a three-slot grounded receptacle is available.

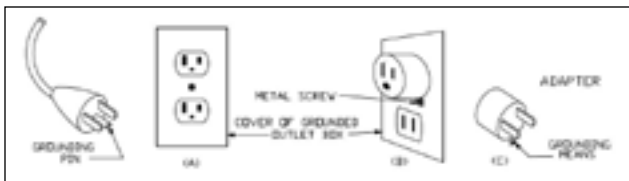


Figure 68.1

- Before moving, repositioning, servicing, cleaning and when not in use, use the product controls to turn off the power and then unplug. To disconnect from outlet, grasp and pull only the plug. Also, power off and unplug if the product will be left unattended for an extended period of time or during electrical storms.
- If your heater suddenly stops working:
 - This heater is equipped with a thermal cutout safety feature designed to automatically shut off when overheating is detected. See the “RESET HEATER” instructions in this guide to determine how to check and reset the heater.
 - If the heater and other electrical products suddenly stop working at the same time, your home circuit breaker or fuse may have tripped due to an overload of power. Consider only running your heater on the “low” setting, only running one heater at once and unplugging all other electrical products while running the heater, and/or hiring an electrician to install an additional circuit to your home’s electrical system.

SERVICING WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- Clean your product regularly, only as is instructed in this manual. Prior to cleaning, turn off the power on your product and unplug. Do not use gasoline, thinners, solvents, ammonias or other chemicals for cleaning. Refer to the CLEANING instructions provided.
- Do not open appliance housing while product is plugged in. To avoid risk of shock, all service and/or repairs must be done by a Vornado Authorized Service Center.

WARNING: Batteries may pose a choking hazard. Do not let children handle batteries.

BATTERY DISPOSAL: Please dispose of batteries according to the local laws and regulations of your region, and while keeping them away from children. Some batteries may be recycled and accepted for disposal at your local recycling center. **DO NOT DISPOSE OF BATTERIES IN FIRE. BATTERIES MAY EXPLODE OR LEAK.** New and used batteries may cause injury. Keep new and used cells (or batteries) away from children.

SAVE THESE INSTRUCTIONS

SAFETY FEATURES

METAL CONSTRUCTION

Forged from steel to be fire-resistant, yet cool to the touch.

AUTOMATIC SAFETY SHUT-OFF SYSTEM

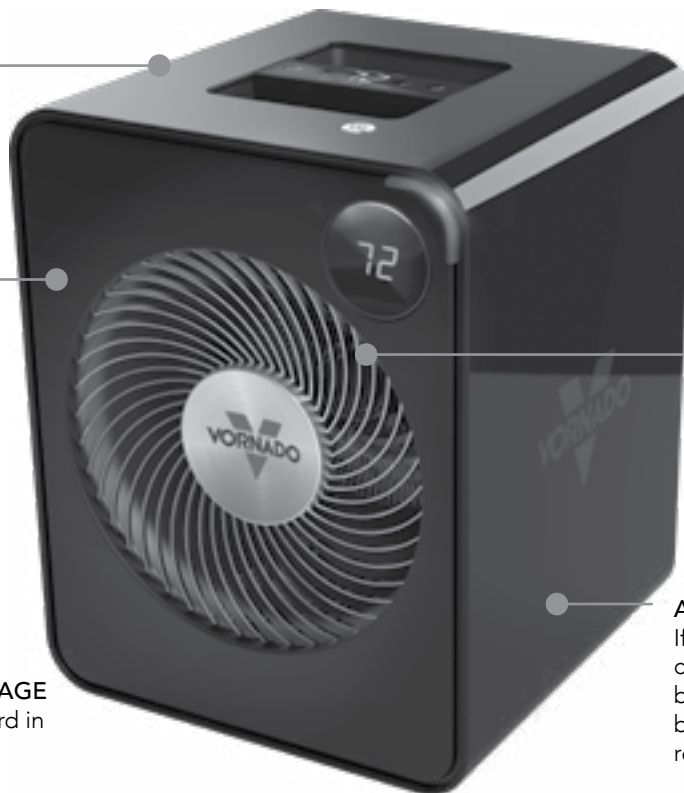
If airflow becomes blocked, power to heater is shut off to prevent overheating.

GROUNDING HEAVY-DUTY POWER CORD

Adds durability and a more-secure wall connection.

POWER CORD STORAGE

Safely store excess cord in tray on back of heater.



FINGER-FRIENDLY DESIGN

Resists curious fingers.

AUTOMATIC TIP-OVER PROTECTION

If heater tips over, safety shut-off system cuts power to heater. Position heater back in upright position. Press Power button and power is restored. Heater returns to last stored setting.

CONTROLS

THERMOSTAT -/+

POWER ON/OFF 

MODE


High Heat (1500 watts)
Low Heat (750 watts) or
Fan Only

TIMER 

POWER INDICATOR LIGHT
Red light illuminates to
indicate the heater is on.

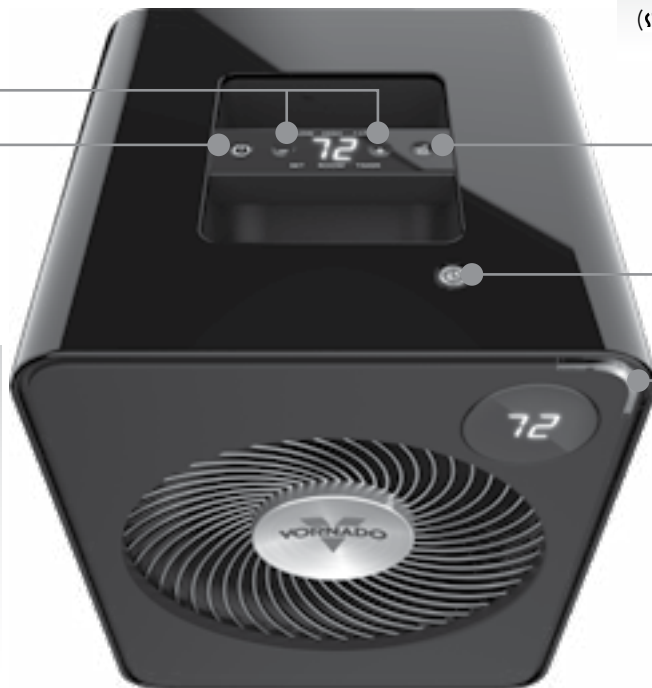
REMOTE
CONTROL
Convenience at
your finger tips.



To change temperature display from Fahrenheit to Celsius, press and hold (-) and () for three seconds.





This heater has a dual display feature and both displays are synced. One display is integrated into the carry handle. The other display is located on the front of the heater.

The displays illuminate when powered on and as settings are adjusted. After a selection is made the displays dim after 20 seconds.




HOW TO USE

Before use, check appliance for visible damage. **DO NOT USE THIS HEATER** if there is evidence of damage. If any damage is found, contact Vornado Air LLC at 1-800-234-0604.

1. Use integrated handle on top of heater for lifting and carrying.
2. Position heater so airflow is not obstructed.
3. Unwrap power cord from storage tray on back of heater. Plug power cord into standard grounded wall outlet.
4. Press the Power button  and select Mode or Fan Only . Room temperature will illuminate on both displays. Set thermostat to desired temperature using **-/+**. SET TEMP numbers will flash on both displays as you adjust. Once the selection is made it will flash for five seconds, become constant for five seconds and then returns to room temperature. The displays will then dim after 20 seconds. Default settings upon first use will be High Heat and set temperature of 75 degrees.
5. Set timer to automatically power the unit off by pressing . **0** will flash on both top and front displays. Press  to select the amount of time in



one-hour intervals, up to 12 hours. User can also use **-/+** to select the amount of time.

After a selection is made or after five seconds of inactivity, the number selection will stop flashing and become constant. It is then displayed for five seconds, before room temperature is displayed again. To cancel the timer operation, select **0** hours or hold  for three seconds.

The white indicator light on front display and **TIMER** on top display will illuminate to indicate the timer is on.

COOL DOWN

When you power off your heater while in High or Low heat mode, it automatically enters a cool down routine in which the heating element turns off and the fan exhausts remaining heat. During Cool Down, both top and front displays count down before powering off completely.

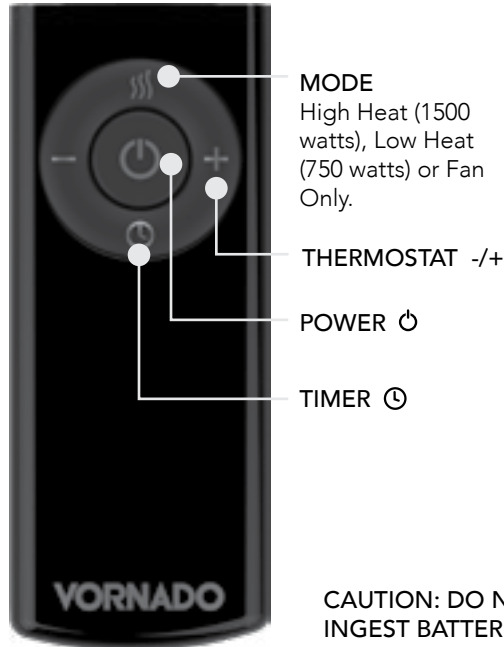
REMOTE CONTROL

Screwdriver required. 

Your VMH505 heater remote includes (1) coin-style CR2032 battery. Battery comes pre-installed. Remove battery pull tab before first use. The remote is located inside the EPS Styrofoam surrounding the front and back of the heater. Look for the REMOTE (↓) sticker affixed to the remote polybag inside the EPS Styrofoam.

1. For battery replacement, the remote requires one coin-style 3V CR2032 battery. Always use the correct size and grade of battery for this product.
2. To replace battery, open battery door on the back side of the remote control (you will need to loosen the small screw on door using a #1 Phillips screwdriver - screwdriver not included). If necessary, clean the battery contacts and also those of the device prior to battery installation. Remove any plastic protection from the battery and place it in the remote with the + side facing up. Replace the battery door and screw.


Note: Remove battery from the remote control when not in use for an extended period of time and always remove dead battery immediately and replace with fresh. Do not store dead battery in remote.



3. Your remote control will operate the same as the control functions located on the heater, except when changing modes. When changing modes, both displays will show either LO, HI or FA on the display as you cycle through. Once the selection is made, it will hold for eight seconds before room temperature is displayed again.

The remote requires a line-of-sight path to allow for the signal to be received by the heater. Position the heater so the receiver lens (inside the display on front of heater) is visible from the remote control.

CAUTION: DO NOT INGEST BATTERIES.

 **WARNING:** This product contains a button battery. If swallowed, it could cause severe injury or death in just 2 hours. Seek medical attention immediately.

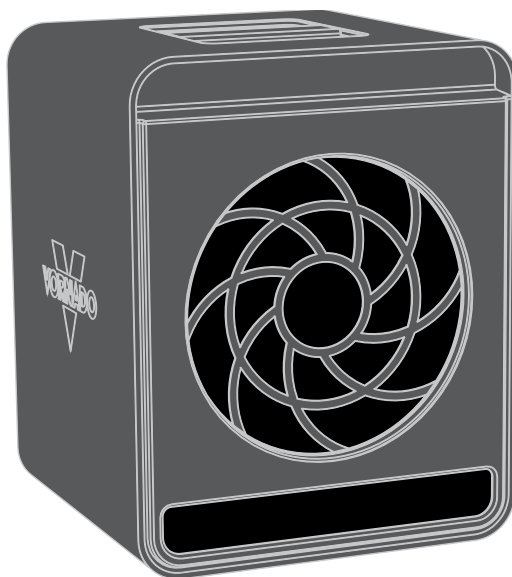
WARNING - KEEP BATTERIES OUT OF REACH OF CHILDREN-

- Swallowing may lead to serious injury in as little as 2 hours or death, due to chemical burns and potential perforation of the esophagus.
- If you suspect your child has swallowed or inserted a button battery, immediately seek urgent medical assistance.
- Examine devices and make sure the battery compartment is correctly secured, e.g. that the screw or other mechanical fastener is tightened. Do not use if compartment is not secure.
- Dispose of used button batteries immediately and safely. Flat batteries can still be dangerous.
- Tell others about the risk associated with button batteries and how to keep their children safe.

CLEANING

Because your heater moves a substantial amount of air, it will need regular cleaning. Cleaning the outside of the heater is recommended on a weekly basis. If service is required, return your heater to Vornado. See WARRANTY for instructions.

1. Unplug heater before cleaning.
2. Use brush attachment on household vacuum cleaner to vacuum any accumulated dust off Front Outlet Grille.
3. Use brush attachment on household vacuum cleaner to vacuum any accumulated dust off Inlet Filter on back of heater.
4. Wipe down entire heater with a soft, dry cloth.



Tip You should periodically blow out the heater with pressurized air to keep heat element and motor clear of dust, hair and debris that can build up inside the heater as it moves air during use. This also eliminates unwanted odors caused by accumulation of these particles inside the unit.

Note: Inlet Filter on back of heater is not removable.

Note: Do not modify the product with any aftermarket accessory.

STORAGE

During the off-season or after extended periods of non-use, you may choose to store your heater. To ensure long life of the product, it is recommended to store your heater by following these instructions:



Cleaning is recommended before storage.

1. Unplug power cord, wrap cord and slide inside storage tray on back of heater.
2. Cover, or place back in retail carton if available. This prevents heater from accumulating dust over time.
3. Store heater in cool and dry location.

DISPOSAL

Dispose of all packaging materials in an environmentally responsible manner.

RESET HEATER

RESETTING YOUR VORNADO HEATER

Your Vornado Heater has a multilevel safety shut-off system designed to prevent overheating. Overheating may occur when the inlets or outlet are blocked. If this happens, the safety shut-off system cuts power to the heater and you must manually reset the heater.

1. Power heater off, then unplug power cord.
2. Remove any obstructions.
3. Wait 5–10 minutes, allowing heater to cool down.
4. Plug in power cord and place heater in desired position.
5. Power heater On. Your Vornado Heater should now function normally.

Note: If the safety shut-off system repeatedly shuts off your heater or if it will not reset after following the above procedure, call Vornado Consumer Services Department toll-free at 1-800-234-0604.

TROUBLESHOOTING

PROBLEM

POSSIBLE CAUSE AND SOLUTION

Unit fails to power on.

Unit is not plugged in. Plug power cord into electrical outlet.

Household circuit breaker / ground fault circuit interrupter has tripped or blown fuse. Reset circuit breaker / ground fault interrupter, or replace fuse. (See IMPORTANT INSTRUCTIONS.)

Ground fault circuit interrupter (GFCI) has tripped. Ground fault circuit interrupters are not recommended for use and may cause nuisance tripping. If tripping does occur, relocate the unit to a standard wall outlet.

Unit has overheated. Automatic Safety Shut Off has initiated. See RESET HEATER.

Internal tip-over switch has been tripped and safety shut-off system has cut power to heater. Place heater on level surface. See SAFETY FEATURES.

Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance.

Airflow is diminished.

Check filter and clean as necessary. See CLEANING.

Unit is not producing sufficient amount of heat.

Ensure unit is set to High Heat and thermostat is set to highest temperature setting.

Close all doors and windows to trap heat.

Allow unit to fully circulate heat throughout room; may take several minutes.



WARRANTY

We expect this product to be perfect. If you're not satisfied with this product, let us know.

We're Here to Help
800.234.0604
vornado.com
help@vornado.com

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Whole Room Heater ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost.

For warranty or repair service:

Call 1-800-234-0604 or email help@vornado.com to obtain a Return Authorization ("RA") form. Please have or include your Product's model number and serial number, as well as your name, address, city, state, Zip code and phone number when contacting Vornado for warranty service.

After receiving the RA form, ship your Product to:

Vornado Air LLC Attn: Warranty & Repair 415 East 13th Street, Andover, KS 67002. For your convenience, please have your model number and serial number when contacting Vornado with service inquiries. To ensure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock. Please allow 1–2 weeks for repair and return of your Product after the Product is received.

Repairs not covered by the warranty or outside the warranty period will require a fee to cover the cost of materials, labor, handling and shipping.

This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, mishandling, improper maintenance, commercial use or repair or service of the Product by anyone other than Vornado; damages which occur in shipment or are attributed

to acts of God. Improper product use, which includes using an external device that alters or converts the voltage or frequency of electricity, or shipping a Vornado product to a country not intended for use will void all warranties. Any unauthorized product modification, repair by unauthorized repair center or use of non-approved replacement parts is not recommended and any consequences will not be covered by support services or product warranties. The product warranty will be honored only on models that are being used in the country intended. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state. The manufacturer assumes no responsibility for damage or injury caused by failure to follow these instructions, improper product use or unauthorized product modifications. Any such actions will invalidate the product warranty.

All company names and product names are trademarks of their respective owners.

© All rights reserved. All technical information, data and instructions for the installation, connection and operation contained in these instructions for use correspond to the latest available information at time of printing. The contents of this manual may differ slightly from the actual product. Observe any additional supplements.



Designed, engineered and supported in USA.

© 2021 Vornado Air LLC Andover, KS 67002 U.S. Patent pending. Specifications subject to change without notice. Vornado® is a trademark owned by Vornado Air LLC.



Vornado Air, LLC
415 East 13th Street, Andover, Kansas 67002
800.234.0604 | vornado.com