



model EVAP40



EVAPORATIVE WHOLE ROOM
HUMIDIFIER OWNER'S GUIDE

READ AND SAVE
THESE INSTRUCTIONS



vornado.com

We expect this
product to be
perfect.

If it is not, we
will make it
right.

vornado.com
800-234-0604
help@vornado.com

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READ AND SAVE THESE INSTRUCTIONS

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 our website to view, download and print the most current version of this owner's guide.

INTENDED USE: This product is intended to humidify and circulate the air in indoor living spaces only in the United States and Canada. This product is not intended for commercial or industrial use. 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: Risk to Children and Impaired Persons

- Supervision is required during the installation, operation, cleaning and maintenance of this product by children under age 12 and anyone with reduced physical, sensory or mental capabilities. 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:

- 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.

- 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, laundry, swimming pool or other water container. Do not use this product outdoors or expose it 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.

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

- **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.
- Do not operate unit if the unit has been dropped or damaged. Do not use this product if it has a damaged power cord or plug. To avoid risk of electrical shock, do not attempt to repair or replace parts. Only original replacement parts may be used. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard. Contact Vornado Consumer Service at 1-800-234-0604 (phone) or consumerservice@vornado.com (email) for further instructions about replacement and repair.
- Risk of fire. Your appliance may be equipped with a detachable power supply or a cord/plug with a safety device such as a fuse. Use only the power cord and plug provided.
- 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.

- 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 input or output opening as this may cause risk of electric shock or fire, or damage the product.
- A loose fit between wall outlet (receptacle) and plug may cause overheating and distortion of the plug. Discontinue use of the product in this outlet. Contact a qualified electrician to replace loose or worn outlets.
- This appliance has a polarized plug (one blade is wider than the other.) To reduce the risk of electrical shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.
- Before filling with water, 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.
- Electric shock can occur when liquid comes in contact with electricity. Be careful when removing the water tank and refilling to avoid electric shock. Do not pour water through the top Outlet Air Grille on the power head.
- Turn the humidifier off if the relative humidity exceeds 60%. Humidity levels above 60% may allow moisture to build up indoors and condense on surfaces, where microorganisms can settle and grow. For accurate readings, use a hygrometer which is available at most hardware stores and home centers.

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

- Wicks in the humidifier have been treated with antimicrobial preservative with the following active substances: Cellulose (9004-34-6) and Omadine Salts (13463-41-7). This protection applies only to the wick (filter) and not the entire appliance. **WARNING:** Wash hands and avoid touching eyes after handling the wick (filter).
- 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.
- Protect against the growth of mold, mildew and other microorganisms by emptying the water tank immediately after each use. If water is left in the tank for longer than 8 hours, thoroughly clean and disinfect the unit as described in the section of this Owner's Guide referenced as "CLEANING".

DISPOSAL WARNING

To reduce waste and environmental harm, observe the following:



PACKAGE RECYCLING: The packaging protects the appliance from transport damage. The packaging materials are selected from the point of view of their environmental friendliness and disposal technology and are therefore recyclable. Dispose of all packaging materials in an environmentally responsible manner.

FCC Consumer Advisement

This equipment may generate, use and/or radiate radio frequency energy that may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to contact Vornado Consumer Service at 1-800-234-0604. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

GETTING STARTED

Before operating, **ALWAYS** reach under the humidifier and lift from the bottom. Before use, check appliance for visible damage. **DO NOT USE** if there is evidence of damage. If any damage is found, contact Vornado Air, LLC at 1-800-234-0604.



Check for Leaks

Damage due to shipping may cause leaks in Base or Water Tanks. A visual inspection may not reveal hairline fractures.

1. Place humidifier on a water-resistant surface.
2. Fill Water Tanks with water to inspect for leaks.
3. Pour several cups of water into Base to inspect for leaks.

Not Leaking?

Empty water from Base and install full Water Tanks.

Leaking?

In the slight chance your humidifier has leaks, contact Consumer Service and we will immediately replace damaged parts.

A humidifier is quite useful in supplying necessary moisture to dry air. It should be used with proper care to prevent overhumidification.



Tip A good rule of thumb would be to gauge the condensation or frost on windows. Adjust your humidifier to a point where this condition is at a minimum. These adjustments should be made when major changes in outdoor temperatures occur.

Humidifiers can be placed in any living area that has a convenient location and provides distribution of the moist air to the living area. The measured output of a humidifier is based upon continuous operation at standard rating conditions. With normal variations of indoor and outdoor conditions, the humidistat-controlled humidifier will not run continuously at maximum output unless the controls are set to do so.

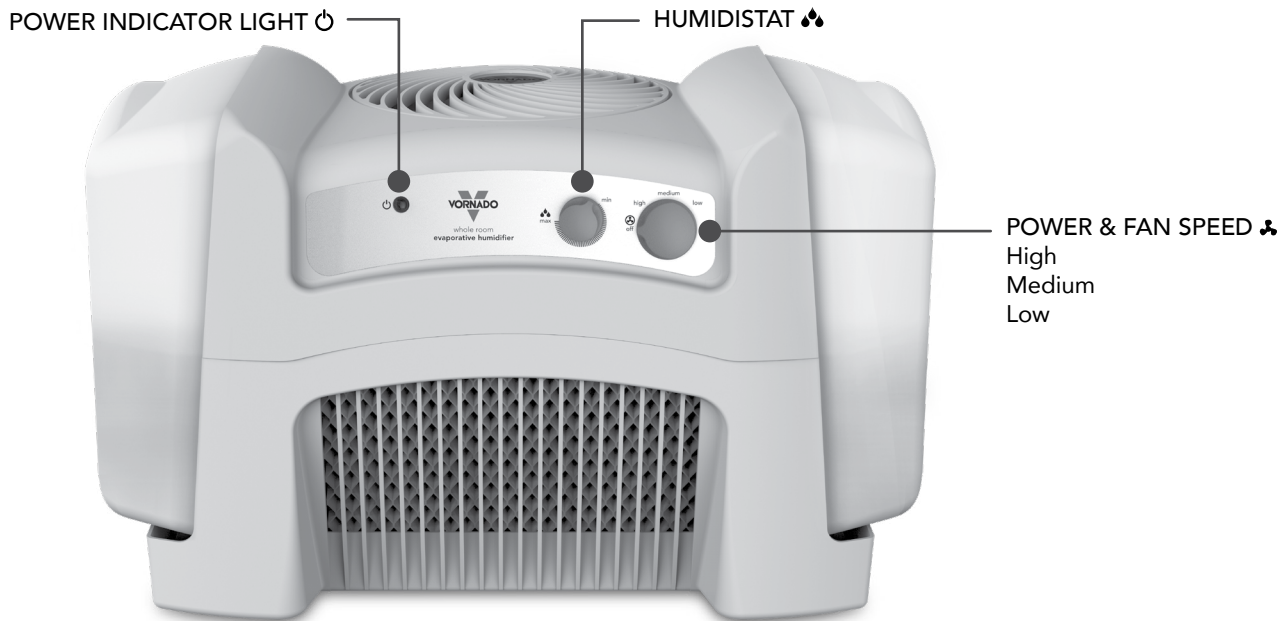
INITIAL HUMIDITY REQUIREMENTS:

When initially installed or when placed in operation at the beginning of each season, the humidifier equipped with a humidistat may run constantly for a day or so and, thus, evaporate large quantities of moisture. When the home and its furnishings have absorbed moisture and become stabilized at the desired humidity level, the amount of water used will diminish and the humidifier operation will maintain the desired humidity level.

FEATURES



CONTROLS



FILLING WATER TANKS

1. Unplug humidifier and place on level surface, such as floor.

Note: Spills can occur during cleaning, moving or refilling Water Tanks, so be careful to avoid spills when doing these activities.

2. Remove Water Tanks (A).

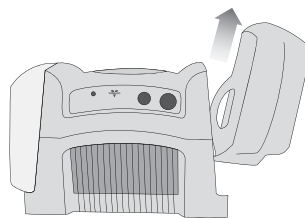
3. The patented rugged Water Tanks have no caps; no valves, and fit in most kitchen sinks. Fill the Water Tanks by running cool tap water into the spout. The built-in, wide-mouth spout and funnel makes filling easy under most faucets. Each Water Tank is designed to allow it to sit stable in the sink or on a counter top (B).

4. Place the filled Water Tanks next to the base with the groove in the Water Tanks resting on the curved edge of the base cavity (C).

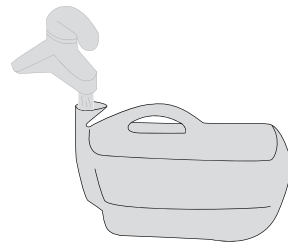
5. Simply rotate the water Water Tanks into position by tilting the Water Tanks up (D). The Water Tanks will begin to dispense water into the base reservoir just before it nests into its upright position. Proper water level in the base is continuously maintained. Tanks must be in place for unit to work correctly.

This humidifier has a 4-gallon capacity and 4-gallon output in 24 hours (if set to High Fan Speed, Continuous Humidity setting).

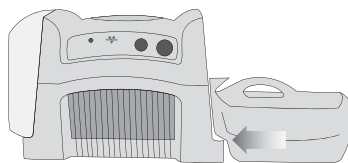
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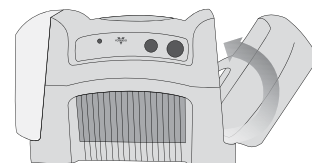
B



C



D



HOW TO USE

1. Position humidifier to not blow directly on objects or plants. Plug power cord into 110–120 volt AC outlet.
2. Turn the control full clockwise to the MAX position (maximum humidity level).
3. To turn the unit On, rotate the fan power speed knob clockwise. The power indicator light will illuminate. Select a fan speed for the desired humidification.
4. When the room has reached the desired humidity level, lower the humidistat slowly (counter-clockwise) until the fan stops. The unit will automatically restart when the humidity falls below this setting. Power light will stay lit even when fan has stopped.

Note: With the humidistat on the MAX setting, your Vornado humidifier will run continuously. With the humidistat completely on the MIN setting, the unit will not operate.

HIGH

For fast humidification of larger rooms. High speed operation will evaporate 4.0 gallons of water (+/- 10%) in 24 hours of continuous operation. (This assumes room conditions of 70° F and 30% relative humidity.)

Unit will operate at High fan speed until the humidity set point is reached. The Fan will then turn off until the humidity level drops below set point.

MEDIUM

For normal operation.

LOW

For quiet, nighttime operation or smaller rooms.

On Low operation, your Humidifier may run without refilling for extended periods. Unit will operate at Low fan speed until the humidity set point is reached. The Fan will then turn off until the humidity level drops below set point.

HUMIDISTAT

Set the humidity by turning the knob between MAX and MIN humidification level. The Humidifier will operate until the desired humidity level is reached. At this point, the fan will turn off. If the fan does not turn on, the humidity setting may be lower than the room humidity level.

REPLACING WICK

While your humidifier came equipped with Wicks, you will eventually have to replace them, as they last approximately 4–8 weeks, depending on use. Many factors affect the life of the Wicks, including amount of use, water hardness and outside environmental factors. You will know the Wicks need to be replaced when they become hard and are no longer absorbing the water effectively. Replace the Wicks with genuine Vornado® Wicks. While other brands may fit our units, these wicks do not carry the same quality and life as our own and may diminish the humidifier's performance.

REPLACING WICK

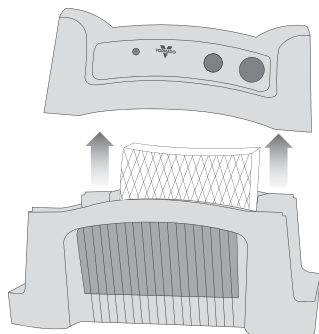
1. Turn humidifier Off and unplug.

2. Remove the Power Head.

3. Remove and discard used Wicks.

4. Install new genuine Vornado Wicks by laying them at an angle along the open grille, inside of the base.

5. Replace the Power Head, making sure it's properly aligned. Your Humidifier is now ready for use.



The additional sodium in chemically softened water may cause Wicks to harden. Try using untreated or tap water. Hard water or water with excessive minerals, such as lime or iron, may shorten Wick life. Try Bacteriostat or Water Treatment found at most hardware or home specialty stores.

On first use, the Wick may give off a mild odor. The odor is not harmful and will go away after the first few hours of operation. If the odor is exceptionally strong, you can help eliminate most or all of it by soaking the Wick in a solution of 2 teaspoons of white vinegar and one gallon of water for 20–30 minutes. Rinse thoroughly in cool water. Allow excess water to run off and dry before replacing them in the Base. DO NOT wring.

Wicks contain an antimicrobial preservative. Protection is limited to the product. Active Substances: Cellulose (9004-34-6) and Omadine Salts (13463-41-7). Wash hands and avoid touching eyes after handling wick.

AUTOMATIC REFILL PROGRAM

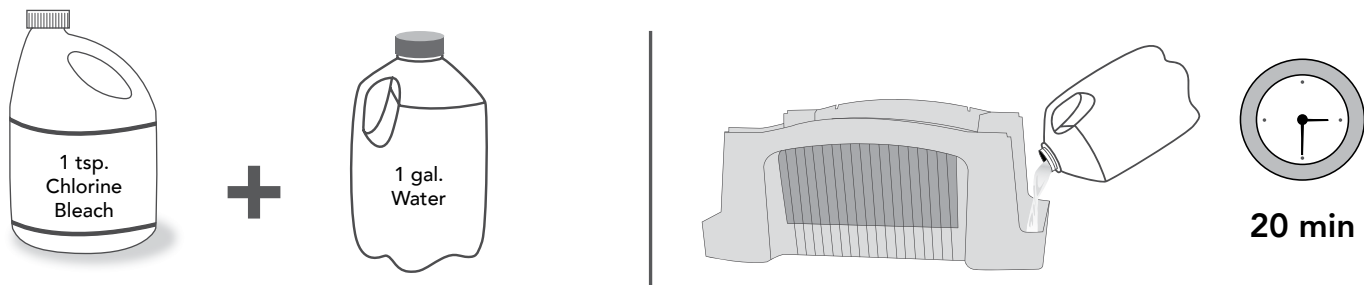
Part # MD1-0034

Select the shipment interval and Vornado will send replacement Wicks automatically. Eliminate the hassle of remembering to reorder. Maintain the high efficiency of your Vornado humidifier.

To sign up, visit vornado.com, email consumerservice@vornado.com or call 1-800-234-0604. Cancel anytime.

CLEANING

Proper cleaning of your Evaporative Whole Room Humidifier is essential to the air quality and performance of your humidifier. The frequency in which your humidifier will need to be cleaned will vary depending on use, water hardness and outside environmental factors. It is recommended, assuming average use, to thoroughly clean the unit several times throughout the season, or when algae, mineral deposits or other particles begin to form.



TO CLEAN AND DISINFECT BASE

1. Turn humidifier Off and unplug.

Warning: Do not submerge humidifier in water.

2. Remove the Power Head, Water Tanks and Wicks from the base.

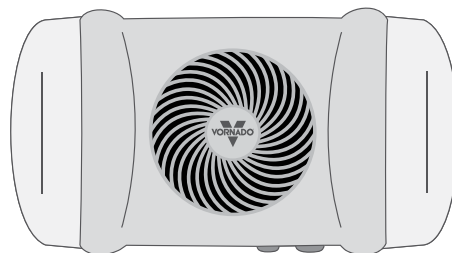
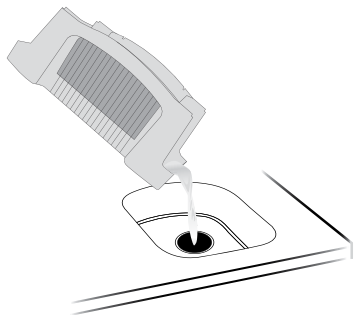
3. Empty Base and Water Tanks, then rinse with clean tap water.

4. Mix solution of 1 teaspoon chlorine bleach and 1 gallon water. Fill Base with solution, wet all surfaces and discard unused solution. Let stand 20 minutes.

5. Empty and rinse with water until bleach smell is gone. Dry with clean cloth or paper towel.

CLEANING

Note: If the humidifier is turned Off with water in Base and not turned back on for 8 hours or longer, or if humidifier is not cleaned as recommended, you may experience some growth of algae or bacteria. These microorganisms may become airborne.



TO CLEAN GRILLE

1. Turn humidifer Off and unplug.

Note: Do not use gasoline, thinners, solvents or other chemicals for cleaning.

2. Use canned compressed air around the top outlet grille and side inlet grille. Follow up using brush attachment on your household vacuum cleaner to vacuum top outlet grille and side inlet grille. Wipe down entire surface with soft cloth.

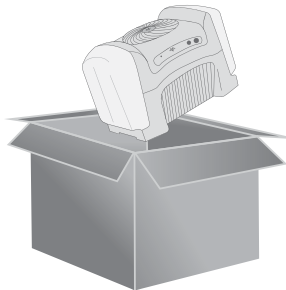
STORAGE

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



Cleaning is recommended before storage.

1. Unplug power cord and bundle loosely.
2. Let humidifier dry completely before storing. Do not store with water inside Water Tanks or Base. Remove and discard Wicks if it is not suitable for reuse. Do not store humidifier with wet Wicks. If Wick is suitable for future use, remove and empty water from Base and Water Tanks. Replace Water Tanks, power On and select HIGH Fan Speed. Allow humidifier to run until Wicks are completely dry.
3. Cover, or place back in retail carton if available. This will prevent humidifier from accumulating dust over time.
4. Store humidifier in cool and dry location.



TIPS

Be aware of several things as your Vornado® Evaporative Whole Room Humidifier operates:

- One of the Water Tanks may empty before the second Water Tank begins to dispense water. This is normal.
- If you operate your humidifier continuously (which is recommended to maintain humidity all day), it may need to be refilled with water every day. Check the Water Tank to be certain that there is an adequate water supply for operation.
- Allow for optimum airflow by keeping the grille unobstructed. Ensure curtains and other items are far enough away from the unit to not be pulled into the side inlets or interfere with airflow.
- Any additives, such as aroma fragrances or water conditioners, must not be used. These additives can cause cracks in the plastic of the humidifier and may affect performance. Any use of such additives voids the manufacturer's warranty.



DISPOSAL

Dispose of all packaging materials in an environmentally responsible manner.

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 circuit interrupter, or replace fuse. For assistance, see IMPORTANT INSTRUCTIONS.

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

Unit makes bubbling or gurgling sound.

This is normal. Water is being dispensed into Base.

Unit is not producing desired amount of humidity.

Water level in Tank is empty or too low. Refill with clean, cool tap water. See HOW TO USE for instructions.

Unit has reached its set point. When set humidity level is reached, the Fan will turn off until humidity level in room drops below humidity set point.

Airflow is blocked. Remove obstruction.

Unit settings are too low. Set to High Fan Speed or turn up humidistat for maximum humidity output.

Wicks are in need of replacement too often.

The additional sodium in chemically softened water may cause Wicks to harden. Try using untreated tap water or distilled water.

Try adding Bacteriostat or Water Treatment, found at most hardware or home specialty stores to the water.



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® Evaporative Whole Room Humidifier ("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 service: Call 1-800-234-0604 or email help@vornado.com to obtain a Return Authorization ("RA"). Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code, e-mail, and phone number when contacting Vornado for warranty service. To file a contactless warranty claim, visit vornado.com/contact-us.

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 assure 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 2-3 weeks for warranty service and return of your Product after the Product is received.

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 caused by failure to follow these instructions or improper product use. Any such actions will invalidate the product warranty.

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