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# GE AHK40LKG1 Owner's Manual

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# Dehumidifiers

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\*ENERGY STAR® labeled product



As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

**Write the model and serial numbers here:**

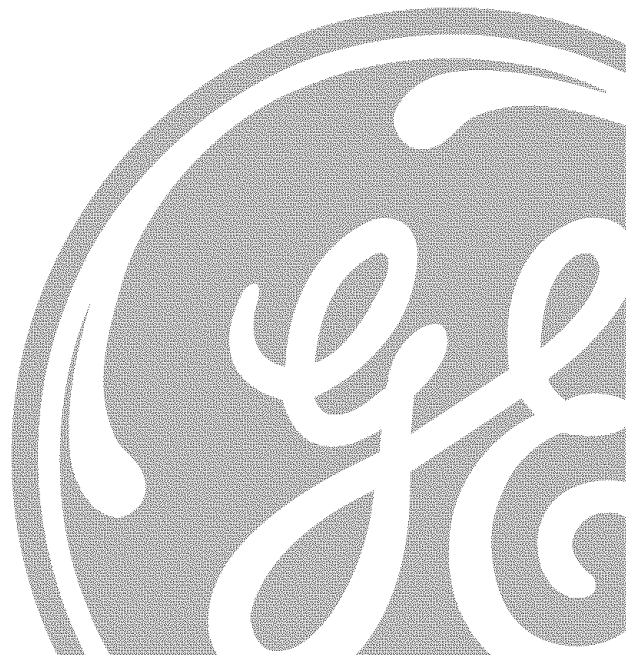
**Model #** \_\_\_\_\_

**Serial #** \_\_\_\_\_

You can find them on a label on the back of the dehumidifier.

**Owner's Manual**

- AHK30
- AHK40
- AHK50\*
- AHK65\*



# IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

## **WARNING!**

For your safety, the information in this manual must be followed to minimize the risk of fire, electric shock or personal injury.



## SAFETY PRECAUTIONS

When using this dehumidifier, always follow basic safety precautions, including the following:

- Use this appliance only for its intended purpose as described in this Owner's Manual.
- **This dehumidifier must be properly installed and grounded as described in this manual before it is used.**
- **Never operate this dehumidifier in an area that is likely to accumulate standing water.** If this condition develops, for your safety disconnect the power supply before stepping into the water.
- Never unplug your dehumidifier by pulling on the power cord. Always grip plug firmly and pull straight out from the receptacle.
- **Replace immediately all electric service cords** that have become frayed or otherwise damaged. A damaged power supply cord must be replaced with a new power supply cord obtained from the manufacturer and not repaired. Do not use a cord that shows cracks or abrasion damage along its length or at either the plug or connector end.
- If the receptacle does not match the plug, the receptacle must be changed out by a qualified electrician.
- Turn the dehumidifier **OFF** and unplug it before making any repairs or cleaning.  
**NOTE:** We strongly recommend that any servicing be performed by a qualified individual.
- For your safety, do not store or use combustible materials, gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- All dehumidifiers contain refrigerants, which under federal law must be removed prior to product disposal. If you are getting rid of an old product with refrigerants, check with the company handling disposal about what to do.
- **Do not use outdoors.**
- This dehumidifier is intended for indoor residential applications only. This dehumidifier should not be used for commercial or industrial applications.



## HOW TO CONNECT ELECTRICITY

*Do not, under any circumstances, cut or remove the third (ground) prong from the power cord. For personal safety, this appliance must be properly grounded.*

### **DO NOT use an adapter plug with this appliance.**

The power cord of this appliance is equipped with a 3-prong (grounding) plug which mates with a standard 3-prong (grounding) wall outlet to minimize the possibility of electric shock hazard from this appliance.

Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded.

Where a 2-prong wall outlet is encountered, it is your personal responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.

The dehumidifier should always be plugged into its own individual electrical outlet, which has a voltage rating matching the rating plate.

This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.



## USE OF EXTENSION CORDS

Because of potential safety hazards under certain conditions, we strongly recommend against the use of an extension cord.

However, if you must use an extension cord, it is absolutely necessary that it be a UL-listed, 14 gauge, 3-wire grounding type appliance extension cord having a grounding type plug and outlet and that the electrical rating of the cord be 15 amperes (minimum) and 125 volts.



READ AND FOLLOW THIS SAFETY INFORMATION CAREFULLY.

**SAVE THESE INSTRUCTIONS**

### What dehumidifier do you need?

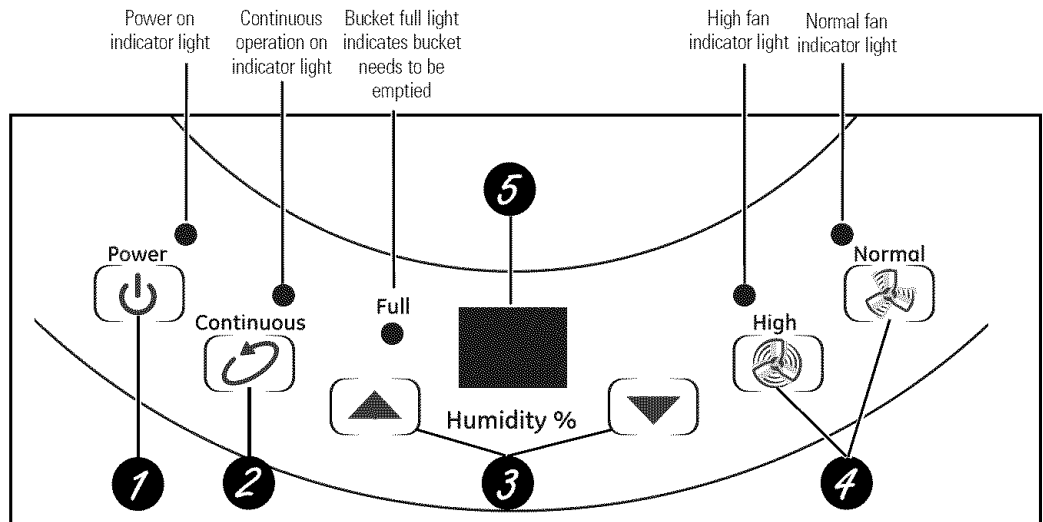
Condition without dehumidification—

**During warm and humid outdoor conditions**

	Area (in square feet)						
	500	1000	1500	2000	2500	3000	3500
<b>Moderately damp</b> —Space feels damp and has musty odor only in humid weather.	AHK30	AHK30	AHK30	AHK30	AHK40	AHK40	AHK40
<b>Very damp</b> —Space always feels damp and has musty odor. Damp spots show on walls or floor.	AHK30	AHK30	AHK30	AHK40	AHK40	AHK40	AHK50
<b>Wet</b> —Space feels and smells wet. Walls or floor sweat, or seepage is present.	AHK30	AHK30	AHK40	AHK40	AHK40	AHK50	AHK50
<b>Extremely wet</b> —Laundry drying, wet floor, high-load conditions	AHK30	AHK30	AHK40	AHK40	AHK50	AHK50	AHK65

Table indicates recommended GE dehumidifier models, based on the area of the space to be dehumidified and the conditions that would exist in that space when a dehumidifier is not in use. Dehumidification variables also include such other factors as climate, laundry equipment, number of family members, number of doors and windows and degree and intensity of area activity.

## About the controls on the dehumidifier.



### Controls

- 1 Power Pad**  
Press to turn the dehumidifier on and off.
- 2 Continuous**  
Select for the dehumidifier to operate continuously at its maximum dehumidification settings until the bucket is full. The Humidity Set Control Pads cannot be used when Continuous is on.
- 3 Humidity Set Control Pads**  
The humidity level can be set within a range of 35% RH (Relative Humidity) to 80% RH (Relative Humidity) in 5% increments.  
For drier air, press the ▼ pad and set to a lower percent value (%).  
For damper air, press the ▲ pad and set to a higher percent value (%).  
When you first use the dehumidifier, set the humidity control to 45% or 50%. Allow at least 24 hours for the dehumidifier to achieve the humidity level. If you still have damper air than desired, set the humidity level to a lower setting or select Continuous for maximum dehumidification.
- 4 Fan Speed Pads**  
Control the fan speed.  
Press to select either **High** or **Normal** fan speed.  
Set the fan control to **High** for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to **Normal**.
- 5 Display**  
Shows the set % humidity level while setting, then shows the actual (+/- 5% accuracy) room % humidity level.  
**Error Codes**  
**E1** – Humidity sensor error – Unplug the unit and plug it back in. If error repeats, call for service.  
**E2** – Temperature sensor error – Unplug the unit and plug it back in. If error repeats, call for service.  
**P1** – Unit is defrosting – Allow the unit time to automatically defrost. The error will clear after the unit self defrosts.  
**P2** – Water bucket is full – Empty the water bucket and replace. See the *Removing Collected Water* section.

### Other Features

#### **BUCKET FULL Light**

Glowes when the bucket is ready to be emptied, or when the bucket is removed or not replaced in the proper position.

#### **Auto Shut Off**

The Water Level Control Switch shuts off the dehumidifier when the bucket is full, or when the bucket is removed or not replaced in the proper position.

#### **Auto Defrost**

When frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears.

#### **Power Outage**

In the case of a power outage or interruption, the unit will automatically restart, in the settings last used, after the power is restored.

When first using the dehumidifier, operate the unit continuously 24 hours.

## How the Dehumidifier Operates

Moist, humid air is drawn over a cold refrigerated dehumidifying coil. Moisture in the air condenses on this coil and drains into a bucket (or through a hose and drain).

Dry, clean air is drawn through the condenser where it is heated and discharged out the front grille into the room.

*It is normal for the surrounding air to become slightly warmer as the dehumidifier operates.*

This warming effect further reduces the relative humidity of the surrounding air.

## Automatic Defrost

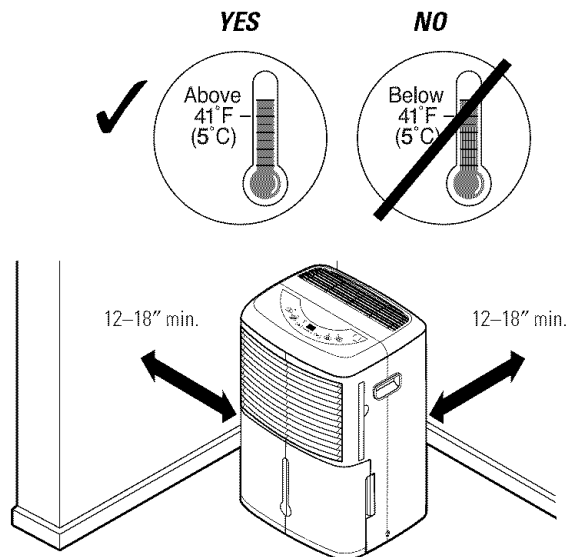
When frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears.

When the coil is defrosted, the compressor or fan (depending on model) will automatically restart and dehumidifying will resume.

## Choosing a Location

A dehumidifier operating in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area.

- **Do not use outdoors.**
- *This dehumidifier is intended for indoor residential applications only. This dehumidifier should not be used for commercial or industrial applications.*
- *Place the dehumidifier on a smooth, level floor strong enough to support the unit with a full bucket of water.*
- *Allow at least 12–18 inches of air space on all sides of the unit for good air circulation.*
- *Place the dehumidifier in an area where the temperature will not fall below 41°F (5°C). The coils can become covered with frost at temperatures below 41°F, which may reduce performance.*
- *Use the dehumidifier in cooking, laundry, bathing and dishwashing areas that have excessive moisture. **NOTE:** Place the dehumidifier away from the clothes dryer.*
- *Use the dehumidifier to prevent moisture damage anywhere books or valuables are stored.*
- *Use the dehumidifier in a basement to help prevent moisture damage.*
- *The dehumidifier must be operated in an enclosed area to be most effective.*
- *Close all doors, windows and other outside openings to the room.*



**NOTE:** The dehumidifier has rollers to aid placement, but it should only be rolled on smooth, flat surfaces. Do not attempt to roll the dehumidifier on carpet or over objects.

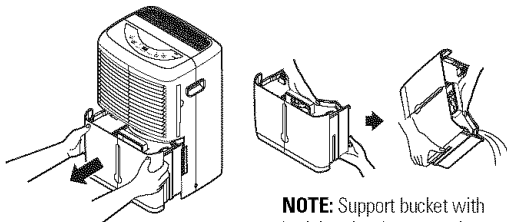
## Using the dehumidifier.

Always make sure the water bucket is locked into place on the dehumidifier.

### Removing Collected Water

There are 2 ways to remove collected water:

- 1 Use the bucket.** When the bucket is removed, the unit will shut off. Empty and replace the bucket.



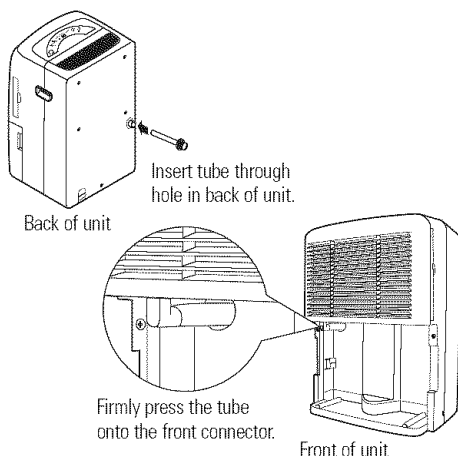
**NOTE:** Support bucket with both hands when emptying.

**IMPORTANT:** Do not use the drain tube if using the bucket to collect water. When the drain tube is connected, water will flow through it onto the floor instead of into the bucket.

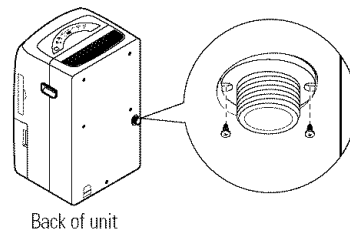
#### NOTES:

- Do not remove the bucket while the dehumidifier is operating or if it has just stopped operating. This might cause some water to drip from the drain pan.
- The bucket must be in place and securely seated for the dehumidifier to operate.

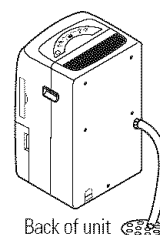
- 2 Use a hose.** Water can be automatically emptied into a floor drain by attaching the unit's drain tube with nozzle and a garden water hose (not included).
1. Remove the bucket from the front of the unit.
  2. Remove the plug cover from the back of the unit and store it in a safe location.
  3. Insert the tube through the hole in the back of the unit and securely press it onto the connector on the front of the unit. Push the tube around the front connector until the nozzle is flush with the back of the unit.



4. Secure the nozzle to the back of the unit with the two screws provided.



5. Cut (as needed) and thread a garden hose (not supplied) onto the nozzle and lead it to the floor drain.



6. Replace the bucket in the unit.

**NOTE:** The bucket must be in place and securely seated for the dehumidifier to operate.

### Water Level

The dehumidifier will turn off automatically when the bucket is full, or when the bucket is removed or not replaced in the proper position.

The bucket must be replaced in the proper position for the dehumidifier to work. The light will be on and the dehumidifier will not run if the bucket is not in the proper position.

Turn the dehumidifier off and remove the plug from the wall outlet before cleaning.

## Grille and Case

### To clean the case:

Use water and a mild detergent. Do not use bleach or abrasives.

If cabinet paint chips, you can touch it up with a good grade enamel paint to prevent rust.

### To clean the front grille:

Use a vacuum attachment or brush.

## Water Bucket

### To clean:

Every few weeks, clean the bucket to prevent growth of mold, mildew and bacteria. Partially fill the bucket with clean water and add a little mild detergent. Swish it around in the bucket, empty and rinse.

**NOTE:** Do not use a dishwasher to clean the water bucket.

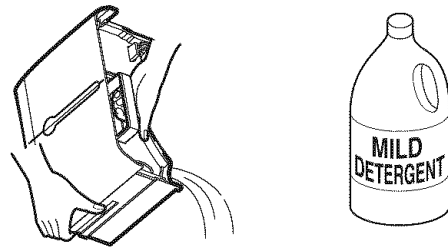
### To remove:

Remove the bucket and pour any water out.

### To replace:

Slide the bucket into the dehumidifier.

**NOTE:** The bucket must be in place and securely seated for the dehumidifier to operate.



## Air Filter

The air filter behind the front grille should be checked and cleaned at least every 30 days or more often if necessary.

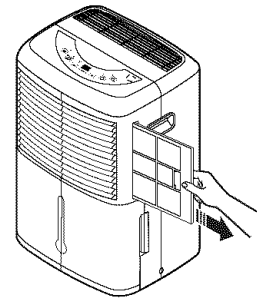
**NOTE:** DO NOT rinse or put the filter in an automatic dishwasher.

### To remove:

Grasp the filter edge and pull it out the side.

Clean the filter with warm, soapy water. Rinse and let the filter dry before replacing it. Do not clean the filter in a dishwasher.

**▲ CAUTION:** DO NOT operate the dehumidifier without a filter because dirt and lint will clog it and reduce performance.



**NOTE:** Avoid using a dishwasher to clean the filter.

## Troubleshooting tips... Save time and money! Review the chart below first and you may not need to call for service.

<b>Problem</b>	<b>Possible Causes</b>	<b>What To Do</b>
<b>Dehumidifier does not start</b>	The dehumidifier is unplugged.	• Make sure the dehumidifier's plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	• Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Dehumidifier has reached its preset level or bucket is full.	• The dehumidifier automatically turns off when this occurs. Empty the bucket and replace properly.
	Bucket is not in the proper position.	• The bucket must be in place and securely seated for the dehumidifier to operate.
	Power failure.	• There is a protective time delay (up to 3 minutes) to prevent tripping of the compressor overload. For this reason, the unit may not start normal dehumidifying for 3 minutes after it is turned back on.
<b>Dehumidifier does not dry the air as it should</b>	Did not allow enough time to remove the moisture.	• When first installed, allow at least 24 hours to maintain the desired dryness.
	Airflow is restricted.	• Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier. See the <i>Choosing a Location</i> section.
	The Humidity Control may not be set low enough.	• For drier air, press the ▼ pad and set to a lower percent value (%) or press the <b>Continuous</b> pad for maximum dehumidification.
	Doors and windows may not be closed tightly.	• Check that all doors, windows and other openings are securely closed.
	Clothes dryer may be blowing moisture-laden air into the room.	• Install the dehumidifier away from the dryer. The dryer should be vented to the outside.
	Room temperature is too low.	• Moisture removal is best at higher room temperatures. Lower room temperatures will reduce the moisture removal rate. Models are designed to be operated at temperatures above 41°F (5°C).
<b>Dehumidifier runs too much</b>	Area to be dehumidified is too large.	• Refer to the chart below to see if the capacity of your dehumidifier is adequate.
	Doors and windows are open.	• Close all doors and windows to the outside.
<b>Frost appears on the coils</b>	Dehumidifier has been recently turned on, or room temperature is below 41°F (5°C).	• This is normal. Frost will usually disappear within 60 minutes. See the <i>Automatic Defrost</i> section.
<b>Fan cannot be turned off and the Normal or High fan speed pads cannot be set</b>	The dehumidifier is in the automatic fan mode. When the set room humidity level is reached, the compressor will turn off and the fan will automatically continue to run for approximately 3 minutes at a fixed setting.	• This is normal. Wait approximately 3 minutes and set the fan to <b>Normal</b> or <b>High</b> as desired.
<b>Fan noise</b>	Air is moving through the dehumidifier.	• This is normal.
<b>Water on floor</b>	Tube to connector or nozzle or hose connection may be loose.	• Check the tube to connector and the nozzle to hose connections. See the <i>Removing Collected Water</i> section.
	Intend to use the bucket to collect water, but the drain nozzle is attached.	• Disconnect the drain nozzle if using the bucket to collect water. See the <i>Removing Collected Water</i> section.
<b>E1, E2, P1 or P2 appear in the display</b>	These are error codes.	• See the <i>About the controls on the dehumidifier</i> section.

## GE Service Protection Plus™

GE, a name recognized worldwide for quality and dependability, offers you Service Protection Plus™—comprehensive protection on all your appliances—**No Matter What Brand!**

**Benefits Include:**

- Backed by GE
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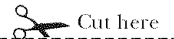
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Place your confidence in GE and call us in the U.S. toll-free at **800.626.2224** for more information.

\*All brands covered, up to 20 years old, in the continental U.S.



Please place in envelope and mail to:

***General Electric Company***  
**Warranty Registration Department**  
**P.O. Box 32150**  
**Louisville, KY 40232-2150**



# GE Dehumidifier Warranty.



All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, visit us at [ge.com](http://ge.com), or call 800.GE.CARES (800.432.2737). Please have serial number and model number available when calling for service.

Staple your receipt here.  
Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	GE Will Replace:
<b>One Year</b> From the date of the original purchase	<b>Any part</b> of the dehumidifier which fails due to a defect in materials or workmanship. During this <b>limited one-year warranty</b> , GE will also provide, <b>free of charge</b> , all labor and related service to replace the defective part.

## What Is Not Covered:

- Service trips to your home to teach you how to use the product.
- Improper installation, delivery or maintenance. If you have an installation problem, or if the dehumidifier is of improper dehumidifying capacity, contact your dealer or installer. You are responsible for providing adequate electrical, plumbing and other connecting facilities.
- Failure of the product resulting from modifications to the product or due to unreasonable use including failure to provide reasonable and necessary maintenance.
- In commercial locations labor necessary to move the unit to a location where it is accessible for service by an individual technician.
- Replacement of house fuses or resetting of circuit breakers.
- Failure due to corrosion on models not corrosion-protected.
- Damage to the product caused by improper power supply voltage, accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this dehumidifier.
- Damage caused after delivery.
- Product not accessible to provide required service.

**EXCLUSION OF IMPLIED WARRANTIES**—Your sole and exclusive remedy is product repair as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. If the product is located in an area where service by a GE Authorized Servicer is not available, you may be responsible for a trip charge or you may be required to bring the product to an Authorized GE Service location for service. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

**Warrantor: General Electric Company, Louisville, KY 40225**

## Consumer Support

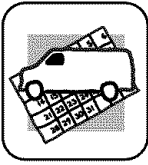
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### GE Appliances Website

**ge.com**

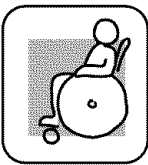
Have a question or need assistance with your appliance? Try the GE Appliances Website 24 hours a day, any day of the year! For greater convenience and faster service, you can now download Owner's Manuals, order parts or even schedule service on-line.



### Schedule Service

**ge.com**

Expert GE repair service is only one step away from your door. Get on-line and schedule your service at your convenience 24 hours any day of the year! Or call 800.GE.CARES (800.432.2737) during normal business hours.



### Real Life Design Studio

**ge.com**

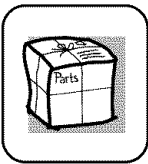
GE supports the Universal Design concept—products, services and environments that can be used by people of all ages, sizes and capabilities. We recognize the need to design for a wide range of physical and mental abilities and impairments. For details of GE's Universal Design applications, including kitchen design ideas for people with disabilities, check out our Website today. For the hearing impaired, please call 800.TDD.GEAC (800.833.4322).



### Extended Warranties

**ge.com**

Purchase a GE extended warranty and learn about special discounts that are available while your warranty is still in effect. You can purchase it on-line anytime, or call 800.626.2224 during normal business hours. GE Consumer Home Services will still be there after your warranty expires.



### Parts and Accessories

**ge.com**

Individuals qualified to service their own appliances can have parts or accessories sent directly to their homes (VISA, MasterCard and Discover cards are accepted). Order on-line today, 24 hours every day or by phone at 800.626.2002 during normal business hours.

**Instructions contained in this manual cover procedures to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.**



### Contact Us

**ge.com**

If you are not satisfied with the service you receive from GE, contact us on our Website with all the details including your phone number, or write to: General Manager, Customer Relations  
GE Appliances, Appliance Park  
Louisville, KY 40225



### Register Your Appliance

**ge.com**

Register your new appliance on-line—at your convenience! Timely product registration will allow for enhanced communication and prompt service under the terms of your warranty, should the need arise. You may also mail in the pre-printed registration card included in the packing material.