

USER'S MANUAL
WIRELESS INTERCONNECT BATTERY OPERATED SMOKE ALARM

First Alert
Exclusive!
Voice Warning!
WITH LOCATION!

Features:
 WIRELESS INTERCONNECT Enabled
 Voice with Programmable Location
 Two Latching Features
 Optipath 360 Technology™
 Two Silence Features

CONFORMS TO UL STD 217
 Model SA511

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STEP BY STEP GUIDE TO PROGRAMMING THIS ALARM

FOR FIRST TIME AND WHEN CHANGING BATTERIES

Action: 1. Insert batteries (2, AA batteries).
 2. Press & Hold Test Button if you would like to program the location or change the location of the Alarm. Release button after Alarm responds.
 3. After you hear the location of where you are placing the Alarm, Press & Hold the Test Button.

Alarm Will Say:
 "Welcome, First Alert Smoke Alarm."
 "No location programmed" if first time or "Location, example: 'Basement'" location programmed" when changing batteries.
 "To select location, press and hold test button now."
 "To save location, press and hold test button after location is heard." Alarm will speak list of locations (see below).
 "Location, example: 'Basement'" location saved."
 If no location is chosen: "No location saved."

Your Alarm has now been programmed for the location of your choice.
 Available locations:
 Basement Kitchen Child's Bedroom
 Living Room Dining Room Master Bedroom
 Family Room No Location Guest Bedroom
 Office Hallway Utility Room

ADDING AND LINKING ADDITIONAL WIRELESS INTERCONNECT ALARMS

NOTE: Steps 1 through 3 below need to be completed within two minutes. If more than two minutes pass, the Green power LED will stop blinking. Simply open the battery drawer of the second Alarm and repeat steps 1 through 3.

1. Insert the batteries into the battery drawer of the next Alarm.
 2. Press and hold the Test Button. The LED will start to blink indicating the WIRELESS INTERCONNECT Alarm is waiting for program data from one of the other setup WIRELESS INTERCONNECT Alarms.
 3. Press and hold the test button on the first Alarm, until the second Alarm chirps and its Green power LED stops blinking. Then release the test button.
 4. If you purchased a Talking Smoke Alarm, you will now be prompted to set the Alarm's location. Follow the directions given by the Alarm.
 5. If you have purchased the hardwired battery back-up WIRELESS INTERCONNECT Alarm, you can now connect the hardwired Alarm by installing the three-wire connector on the ceiling to the Alarm.
 7. Repeat steps 1-6 for additional WIRELESS INTERCONNECT Alarms.

You have now successfully linked your new WIRELESS INTERCONNECT Alarms. To add additional Alarms at a later time, follow steps 1 through 3.

IMPORTANT! PLEASE READ CAREFULLY AND SAVE.
 This user's manual contains important information about your Smoke Alarm's operation. If you are installing this Smoke Alarm for use by others, you must leave this manual—or a copy of it—with the end user.

INTRODUCTION
 Thank you for choosing First Alert® for your Smoke Alarm needs. You have purchased a state-of-the-art Smoke Alarm designed to provide you with early warning of a fire. **Key features include:**

WIRELESS INTERCONNECT Enabled. Alarm automatically communicates with other WIRELESS INTERCONNECT enabled alarms installed.

Exclusive Voice Warning with Location will tell you the preprogrammed location of the initiating unit and danger detected. Programmable up to 11 locations (ex. "basement"). When alarms sounds, if programmed for basement it will say "Warning, evacuate, smoke in basement" along with all other installed WIRELESS INTERCONNECT Voice alarms.

Spread Spectrum Horn Tone. Lower and varying horn frequency makes it easier for elderly with normal age related hearing loss to hear horn. Sweeps through the 2200 – 3400 Hz range.

RF Interconnect. Reliable and secure radio frequency communication allows a 915MHz frequency with 65,000 security codes and 3 channel frequency hopping.

Optipath 360 Technology™ provides 360 degrees of direct access to the smoke sensor.

Single Button Test/Silence eliminates confusion. Depending on what mode the button provides different functions. Press and hold the button to test the alarm, silencing the alarm, re-testing the alarm when in silence and clearing the Latching Features.

Two Silence Features. Temporarily silence low battery chirp for up to eight hours or replace low battery or silence an unwanted alarm for several minutes.

Two Latching Features. Alarm Latch: Easily identifies initiating alarm even after alarm condition has subsided. Low Battery Latch: Identifies which unit is in low battery condition.

Perfect Mount System includes a gasketless base for easy installation and a mounting bracket that keeps the alarm secure over a wide rotation range to allow for perfect alignment.

Two Latching Features. Alarm Latch: Easily identifies initiating alarm even after alarm condition has subsided. Low Battery Latch: Identifies which unit is in low battery condition.

WHAT YOU WILL SEE AND HEAR WITH THIS ALARM

Under Normal Operations
Voice: Silent
Horn: Silent
Power LED: Flashes Green once/minute

When You Test the Alarm
Voice: "Testing." **Horn:** 3 beeps, pause, 3 beeps; **Voice:** "Warning, evacuate smoke in [Location, example: "Basement"]. Evacuate."
Smoke LED: Flashes Red in sync with the horn pattern

If Battery Becomes Low
Voice: "Replace battery in [Location, example "Basement!"]"
 Repeated every 5 hours
Horn: chirps once a minute
Power LED: Flashes Green On for 2 seconds/Off for 2 seconds.
 Low Battery Latch is now engaged.

If Alarm is Not Operating Properly (MALFUNCTION SIGNAL)
Voice: "Detector error in [Location, example "Basement"]. please see manual." Repeated every 5 hours
Horn: Three rapid chirps every minute
Smoke LED: Flashes approximately once a minute

Smoke is Detected
Horn: 3 beeps, pause, repeating 3 times
Voice: "Warning, evacuate smoke in [Location, example: "Basement"]. Evacuate."
Smoke LED: During Alarm: Flashes Red in sync with the horn pattern.
 After Alarm: Flashes Red On for 2 seconds/Off for 2 seconds.
 Smoke Alarm Latch is now engaged.

FIRE SAFETY TIPS
 Follow safety rules and prevent hazardous situations:
 1) Use smoking materials properly. Never smoke in bed. 2) Keep matches or lighters in a safe place. 3) Store flammable materials in proper containers. 4) Keep electrical appliances in good condition and don't overload electrical circuits. 5) Keep stoves, barbecue grills, fireplaces and chimneys grease-free and clean. 6) Never leave cooking on the stove unattended. 7) Keep portable heaters and open flames, like candles, away from flammable materials; 8) Don't let rubbish accumulate.

Keep alarms clean, and test them weekly. Replace alarms immediately if they are not working properly. Smoke Alarms that do not work cannot alert you to a fire. Keep at least one working fire extinguisher on every floor, and an additional one in the kitchen. Have fire escape ladders or other reliable means of escape from an upper floor in case stairs are blocked.

BEFORE YOU INSTALL THIS SMOKE ALARM
Important! Read "Recommended Locations for Smoke Alarms" and "Agency Placement Recommendations" before beginning. This unit monitors the air, and when smoke reaches its sensing chamber, it alarms. It can give you more time to escape before fire spreads. This unit can ONLY give an early warning of developing fires if it is installed, maintained and located where smoke can reach it, and where all residents can hear it, as described in this manual. This unit will not sense gas, heat, or flame. It cannot prevent or extinguish fires.

Understand The Different Type of Smoke Alarms
 Battery powered or electrical? Different Smoke Alarms provide different types of protection. See "About Smoke Alarms" for details.

Know Where To Install Your Smoke Alarms
 Fire Safety Professionals recommend at least one Smoke Alarm on every level of your home, in every bedroom, and in the common hallway or separate sleeping area. See "Recommended Locations For Smoke Alarms" and "Locations To Avoid For Smoke Alarms" for details.

Know What Smoke Alarms Can and Can't Do
 A Smoke Alarm can help alert you to fire, giving you precious time to escape. It can only sound an alarm once smoke reaches the sensor. See "Limitations of Smoke Alarms" for details.

Check Your Local Building Codes
 This Smoke Alarm is designed to be used in a typical single-family home. It alone will not meet requirements for boarding houses, apartment buildings, hotels or motels. See "Special Compliance Considerations" for details.

! WARNING!

- This unit will not alert hearing impaired residents. It is recommended that you install special units which use devices like flashing strobe lights to alert hearing impaired residents.
- Unit will not operate without battery power. The Smoke Alarm cannot work until you install the batteries in the correct position (Match "+" to "+" and "-" to "-").
- This Smoke Alarm has a battery drawer which resists closing unless batteries are installed.

! CAUTION!

- Do not install this unit over an electrical junction box. Air currents around junction boxes can prevent smoke from reaching the sensing chamber and prevent the unit from alarming. Only AC powered units are intended for installation over junction boxes.
- Do not stand too close to the unit when the alarm is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.
- Do not point over the unit. Paint may clog the openings to the sensing chamber and prevent the unit from operating properly.

HOW TO INSTALL THIS SMOKE ALARM

FOLLOW THESE SIMPLE STEPS!

- Hold base firmly and twist the mounting bracket counterclockwise to separate it from the base.
- Hold the mounting bracket against the ceiling (or wall) so the vertical mounting slot is aligned in the 12 o'clock position and trace around the inside of the mounting slots (vertical and horizontal mounting).
- Put the unit where it won't get covered with dust when you drill the mounting holes.
- Using a 3/16" (5 mm) drill bit, drill a hole through the center of the oval outlines you traced.
- Insert the plastic screw anchors (in the plastic bag with screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until they are flush with the ceiling or wall.
- Line the mounting bracket up over the plastic screw anchors.
- Screw the mounting bracket to the ceiling or wall through the mounting slots using the two screws provided.
- Attach the Smoke Alarm to the mounting bracket. Line up the guides on the alarm's base with the guides on the mounting bracket. When guides are lined up, turn the base clockwise (right) until it snaps into place.
- Test the Smoke Alarm. See "Weekly Testing."

TOOLS YOU WILL NEED:
 This unit is designed to be mounted on the ceiling, or on the wall if necessary.

- Pencil
- Drill with 3/16" (5 mm) drill bit
- Phillips screwdriver
- Hammer
- Pliers to activate optional "tamper-resistant" locking features

IMPORTANT!
 If you want to lock the battery drawer, or lock the Smoke Alarm to the mounting bracket, please read the "Optional Locking Features" section before you begin installation.

OPTIONAL LOCKING FEATURES

The optional locking features are designed to prevent unauthorized removal of the battery or alarm. It is not necessary to activate the locks in single-family households where unauthorized battery or alarm removal is not a concern.

These Smoke Alarms have two separate locking features: one to lock the battery compartment, and the other to lock the Smoke Alarm to the mounting bracket. You can choose to use either feature independently, or use them both.

Tools you will need: - Needle-nose pliers - Standard flathead screwdriver.

Both locking features use locking pins, which are molded into the mounting bracket. Depending on which locking features you use, remove one or both pins from the mounting bracket using needle-nose pliers.

IMPORTANT!
 To permanently remove either locking pin, insert a flathead screwdriver between the locking pin and the lock, and pry the pin out of the lock.

TO LOCK THE BATTERY COMPARTMENT
 Do not lock the battery compartment until you install the batteries and test the Smoke Alarm.

TO UNLOCK THE BATTERY COMPARTMENT

- Remove the Smoke Alarm from the mounting bracket. If the unit is locked to the bracket, see the section "To Unlock the Mounting Bracket."
- Insert a flathead screwdriver under the head of the locking pin. Pry the pin out of the battery compartment lock. (If you plan to relock the battery compartment, save the locking pin.)
- To relock the battery compartment, close the battery door and reinsert locking pin in lock.
- Reattach the Smoke Alarm to the mounting bracket.

IMPORTANT!
 When replacing the batteries, always test the Smoke Alarm before relocking the battery compartment.

TO LOCK THE MOUNTING BRACKET

- Using needle-nose pliers, detach one locking pin from the mounting bracket.
- After batteries are inserted, then push the locking pin through the hole near the battery door latch on the back of the Smoke Alarm.

TO UNLOCK THE MOUNTING BRACKET

- Insert a flathead screwdriver into the rectangular cut-out on the mounting bracket nearest to the locking pin.
- Pry the Smoke Alarm away from the bracket by pushing up on the screwdriver and turning the Smoke Alarm counterclockwise (left) at the same time.

WEEKLY TESTING

! WARNING!
 NEVER use an open flame or any kind of test this unit. You might accidentally damage or set fire to the unit or to your home. The built-in test switch accurately tests the unit's operation as required by Underwriters Laboratories, Inc. (UL).

If the Alarm ever fails to test properly, replace it immediately. Your one-year warranty may be returned to the manufacturer for replacement. See "Limited Warranty" for details.

DO NOT stand close to the alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. When testing, step away when horn starts sounding.

It is important to test this unit every week to make sure it is working properly. Using the test button is the recommended way to test this Smoke Alarm. Press and hold the test button on the cover of the unit until the alarm sounds (the unit may continue to alarm for a few seconds after you release the button). If it does not alarm, make sure the unit is receiving power (LED will flash approximately once a minute indicating it has power), and test it again. If it still does not alarm, replace it immediately. During testing you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause.

REGULAR MAINTENANCE

! WARNING!
 Keep battery out of reach of children. In the event a battery is swallowed, immediately contact your poison control center, your physician, or the National Battery Ingestion hotline at 202-625-3533 as serious injury may occur.

IMPORTANT!
 Actual service life depends on the Smoke Alarm and the environment in which it is installed. All the batteries specified above are acceptable replacement batteries for this unit. Regardless of the manufacturer's suggested battery life, you MUST replace the battery immediately once the unit starts "chirping" (the "low battery warning").

To replace the batteries (without moving Alarm from the ceiling or wall):

- Open the battery compartment.
- Press tabs A and B as shown in the diagram and remove each battery.
- Insert the new batteries making sure they snap completely into the battery compartment. Match the terminals on the ends of the batteries with the terminals on the unit.
- Close the battery compartment, and then test the unit by pressing the Test/Silence button.

IF THIS SMOKE ALARM SOUNDS

RESPONDING TO AN ALARM
 During an alarm, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause. The red LED will flash rapidly.

! WARNING!
 If the unit alarms and you are not testing the unit, it is warning you of a potentially dangerous situation that requires your immediate attention. NEVER ignore any alarm. Ignoring the alarm may result in injury or death. If you are unsure of the cause of the alarm, call the fire department. **Never remove the batteries from a battery operated Smoke Alarm to stop an unwanted alarm (caused by cooking smoke, etc.). Removing batteries disables the alarm so it cannot sense smoke, and removes your protection, instead open a window or fan the smoke away from the unit. The alarm will reset automatically.**

If the unit alarms get everyone out of the house immediately.

WHAT TO DO IN CASE OF FIRE

- Don't panic; stay calm. Follow your family escape plan.
- Get out of the house as quickly as possible. Don't stop to get dressed or collect anything.
- Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Don't open a hot door. Keep doors and windows closed, unless you must escape through them.
- Cover your nose and mouth with a cloth (preferably damp). Take short, shallow breaths.
- Meet at your planned meeting place outside your home, and do a head count to make sure everybody got out safely.
- Call the Fire Department as soon as possible from outside. Give your address, then your phone number.
- Never go back inside a burning building for any reason.
- Contact your Fire Department for ideas on making your home safer.

! WARNING!
 Alarms have various limitations. See "Limitations of Smoke Alarms" for details.

USING THE SILENCE FEATURE
 The Silence Feature can temporarily quiet an unwanted alarm for up to 15 minutes. To use this feature, press the "Push to Test/Silence" button on the cover. If the unit will not silence and no heavy smoke is present, or if it stays in silence mode continuously, it should be replaced immediately. The LED will continue to flash rapidly while in silence.

! WARNING!
 The Silence feature does not disable the unit—it makes it temporarily less sensitive to smoke. For your safety, if smoke around the unit is dense enough to suggest a potentially dangerous situation, the unit will stay in alarm or may re-alarm quickly. If you do not know the source of the smoke, do not assume it is an unwanted alarm. Not responding to an alarm can result in property loss, injury, or death.

SILENCING THE LOW BATTERY WARNING
 This silence feature can temporarily quiet the low battery warning "chirp" for up to 8 hours. You can silence the low battery warning "chirp" by pressing the Test/Silence button on the alarm cover.

Once the low battery warning "chirp" silence feature is activated, the unit continues to flash the Green light twice a minute for 8 hours. After 8 hours, the chamber will reset every 15 minutes. **Replace the batteries as soon as possible; this unit will not operate without battery power!**

To deactivate this feature: Press the Test/Silence button again. The unit will go into Test Mode and the low battery warning will return (LED flashes and unit sounds "chirp" once a minute).

LATCHING FEATURES
Alarm Latch is activated after an Alarm is exposed to alarm levels of smoke. After smoke levels drop below alarm levels, the "Smoke" Red LED will begin to flash. On for 2 seconds/Off for 2 seconds. It will continue to flash or "latch" for about 15 minutes, to give you time to determine which unit initiated the alarm.

Low Battery Latch is activated when the Alarm is in the "low battery condition". When this occurs, the Power LED flashes Green On for 2 seconds/Off for 2 seconds for about 15 minutes. This feature is designed to help you identify which Alarm needs to have the battery replaced. Although, the Alarm will sound the low battery chirp approximately once every minute, sometimes during the initial stages of "low battery". The Alarm will chirp in greater intervals than one minute, sometimes up to several hours, until the battery reaches a steady low battery level. This innovative feature eliminates the frustration of waiting for and/or identifying which unit is chirping.

IF YOU SUSPECT A PROBLEM
 Smoke Alarms may not operate properly because of dead, missing or weak batteries, a build-up of dirt, dust or grease on the Smoke Alarm cover, or installation in an improper location. Clean the Smoke Alarm as described in "Regular Maintenance," and install a fresh battery, then test the Smoke Alarm again. If it fails to test properly when you use the test button, or if the problem persists, replace the Smoke Alarm immediately.

- If you hear a "chirp" about once a minute, replace the battery.
- If you experience frequent non-emergency alarms (like those caused by cooking smoke), replace the batteries and/or relocate the alarm.
- If the alarm sounds or beeps frequently, try cleaning or relocating the Smoke Alarm. The cover may be dirty.
- If the alarm does not sound during testing, try installing a new battery, and make sure it is snapped in securely.
- If the alarm sounds 9 rapid "chirps" every minute; LED flashes approximately once a minute, MALFUNCTION: the device is not working properly and needs to be replaced.

Do not try fixing the alarm yourself—this will void your warranty!

If the Smoke Alarm is still not operating properly, and it is still under warranty, please see "How to Obtain Warranty Service" in the Limited Warranty.

RECOMMENDED LOCATIONS FOR SMOKE ALARMS
 Installing Smoke Alarms in Single-Family Residences

The National Fire Protection Association (NFPA), recommends one Smoke Alarm on every floor, in every sleeping area, and in every bedroom. In new construction, the Smoke Alarms must be AC powered and interconnected. See "Agency Placement Recommendations" for details. For additional coverage, it is recommended that you install a Smoke Alarm in all rooms, halls, closets, finished attics, and basements, where temperatures normally remain between 40° F (4.4° C) and 100° F (37.8° C). Make sure no door or other obstruction could keep smoke from reaching the Smoke Alarms.

More specifically, install Smoke Alarms:

- On every level of your home, including finished attics and basements.
- Inside every bedroom, especially if people sleep with doors closed.
- In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each. If a hall is over 40 feet (12 meters) long, install an alarm at each end.
- At the top of the first-to-second floor stairway, and at bottom of basement stairway.

! WARNING!
 Specific requirements for Smoke Alarm installation vary from state to state and from region to region. Check with your local Fire Department for current requirements in your area. It is recommended AC or AC/DC units be interconnected for added protection.



AGENCY PLACEMENT RECOMMENDATIONS
 NFPA 72 Chapter 29
 "For your information, the National Fire Alarm and Signaling Code, NFPA 72, reads as follows:"

29.5.1.1* Required Detection.
 Where required by other governing laws, codes, or standards for a specific type of occupancy, approved single and multiple-station smoke alarms shall be installed as follows:
 (1) In all sleeping rooms and guest rooms
 (2) Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, with the distance measured along a path of travel
 (3) On every level of a dwelling unit, including basements
 (4) On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics
 (5) In the living area(s) of a guest suite
 (6) In the living area(s) of a residential board and care occupancy (small facility)

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LOCATIONS TO AVOID FOR SMOKE ALARMS
 For best performance, it is recommended you AVOID installing Smoke Alarms in these areas:

- Where combustion particles are produced. Combustion particles from when something burns. Areas to avoid include poorly ventilated kitchens, garages, and furnace rooms. Keep units at least 20 feet (6 meters) from the sources of combustion particles (stove, furnace, water heater, space heater) if possible. In areas where a 20-foot (6-meter) distance is not possible – in modern homes, or smaller homes – if there are no fans or recommended the Smoke Alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these Alarms at a safe distance from a fuel-burning source and thus reduce "unwanted" alarms. Unwanted alarms can occur if a Smoke Alarm is placed directly next to a fuel-burning source. Ventilate these areas as much as possible.
- In air streams near kitchens. Air currents can draw cooking smoke into the sensing chamber of a Smoke Alarm near the kitchen.
- In very damp, humid or steamy areas, or directly near bathrooms with showers, saunas, dishwashers, etc.
- Where the temperatures are regularly below 40° F (4.4° C) or above 100° F (37.8° C), including within heated buildings, outdoor rooms, porches, or unfinished attics or basements.
- In very dusty, dirty, or greasy areas. Do not install a Smoke Alarm directly over the stove or range. Keep laundry room Smoke Alarms free of dust or lint.
- Near fresh air vents, ceiling fans, or in very drafty areas. Drafts can blow smoke away from the unit, preventing it from reaching the sensing chamber.
- In insect infested areas. Insects can clog openings to the sensing chamber and cause the unit to malfunction. Keep units at least 12 inches (305mm) away from fluorescent lights. Electrical "noise" can interfere with the sensor.
- In "dead air" spaces. "Dead air" spaces may prevent smoke from reaching the Smoke Alarm.

Avoiding Dead Air Spaces
 "Dead air" spaces may prevent smoke from reaching the Smoke Alarm. To avoid dead air spaces, follow the installation recommendations below.

On ceilings, install Smoke Alarms as close to the center of the ceiling as possible. If this is not possible, install the Smoke Alarm at least 4 inches (102 mm) from the wall or corner.

For wall mounting (if allowed by building codes), the top edge of Smoke Alarms should be placed between 4 and 12 inches (102 and 305 mm) from the wall/ceiling line, below the ceiling.

On a peaked, gabled, or cathedral ceiling, install the first Smoke Alarm within 3 feet (0.9 meters) of the peak of the ceiling, measured horizontally. Additional Smoke Alarms may be required depending on the length, angle, etc. of the ceiling's slope. Refer to NFPA 72 for details on requirements for sloped or peaked ceilings.

ABOUT SMOKE ALARMS
Battery (DC) operated Smoke Alarms: Provide protection even when electricity fails, provided the batteries are fresh and correctly installed. Units are easy to install, and do not require professional installation.

AC powered Smoke Alarms: Can be interconnected so if one unit senses smoke, all units alarm. They do not operate if electricity fails.

AC with battery (DC) back-up: Operate if electricity fails, provided the batteries are fresh and correctly installed. AC and AC/DC units must be installed by a qualified electrician.

WIRELESS INTERCONNECT Smoke Alarms with battery (DC) back-up: Interconnects with your home all WIRELESS INTERCONNECT enabled Smoke and Smoke/CO Alarms without wires or connectors, so when one alarm sounds, they all sound. Will operate if electricity fails, provided the batteries are fresh and correctly installed. Units are easy to install, and do not require professional installation.

Smoke Alarms for Solar or Wind Energy users and battery back-up power systems: AC powered Smoke Alarms should only be operated with true or pure sine wave inverters. Operating this Smoke Alarm with most battery-powered UPS (uninterruptible power supply) products or square wave or "quasi sine wave" inverters will damage the Alarm. If you are not sure about your inverter or UPS type, please consult with the manufacturer to verify.

Smoke Alarms for the hearing impaired: Special purpose Smoke Alarms should be installed for the hearing impaired. They include a visual alarm and an audible alarm horn, and meet the requirements of the Americans With Disabilities Act. Can be interconnected so if one unit senses smoke, all units alarm.

LIMITED WARRANTY
 BRK Brands, Inc., ("BRK" the maker of First Alert® brand products warrants that for a period of ten years from the date of purchase, this product will be free from defects in material and workmanship. BRK, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or re-manufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive remedy.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. BRK declares, service centers, or retail stores selling BRK products do not have the right to alter, modify or any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use in improper voltage or current, use contrary to the operating instructions, disassembly, repair or alteration by anyone other than BRK or an authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood, hurricane, or other natural disasters, or any batteries that are included with this unit.

BRK shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited to the extent that the product is sold as is. Some states, provinces or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

How to Obtain Warranty Service
 Service: If service is required, do not return the product to your retailer. In order to obtain warranty service, contact the Consumer Affairs Division at 1-800-323-9005, 730 Central Standard Time, Monday through Friday. To assist us in serving you, please have the model number and date of purchase available when calling.

For Warranty Service return to:
 BRK Brands, Inc., 25 Spur Drive, El Paso, TX 79906

Battery: BRK Brands, Inc. make no warranty, express or implied, written or oral, including that of merchantability or fitness for any particular purpose with respect to battery.

SPECIAL COMPLIANCE CONSIDERATIONS
 This Smoke Alarm is suitable for use in apartments, condominiums, townhouses, hospitals, day care facilities, health care facilities, boarding houses, group homes and dormitories provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations.

This Smoke Alarm alone is not a suitable substitute for complete fire detection systems in place-holding systems in place-holding apartment buildings, condominiums, hotels, motels, dormitories, hospitals, health care facilities, nursing homes, day care facilities, or group homes of any kind. It is not a suitable substitute for complete fire detection systems in residential industrial facilities, commercial buildings, and special-purpose non-residential buildings which require specific fire detection and alarm systems. Depending on the building codes in your area, this Smoke Alarm may be used to provide additional protection in these facilities.

HUD MAP Program
 Certain HUD battery powered Smoke Alarm applications, especially those that fall under HUD 223(f) MAP (Multi-family Accelerated Processing), may require a 10 Year sealed tamper resistant battery. This alarm does not meet that requirement. Substitute First Alert SA340B.

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SPECIAL COMPLIANCE CONSIDERATIONS, Continued

FCC Compliance
 This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that of the receiver.
- Consult the dealer or an experienced radio or TV technician for help.

Warnings: Changes or modifications to the product, not expressly approved by First Alert / BRK Brands, Inc., could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. FCC ID: MFL5001L

LIMITATIONS OF SMOKE ALARMS
 Smoke Alarms have played a key role in reducing deaths resulting from home fires worldwide. However, even the best smoke alarms can only work if they are properly located, installed, and maintained, and if smoke reaches them. They are not foolproof.

Smoke alarms may not wake all individuals. Practice the escape plan at least twice a year, making sure that every family member, from kids to grandparents, allow children to master fire escape planning and practice before holding a fire drill at night when they are sleeping. If children or others do not readily wake up during a fire drill while family members are sleeping in order to determine their response to the sound of the smoke alarm while sleeping and to determine whether they may need assistance in the event of an emergency.

Smoke Alarms cannot work without power. Battery operated units cannot work if the batteries are missing, disconnected or dead, if the wrong type of batteries are used, or if the batteries are not installed correctly. AC units cannot work if the AC power is cut off for any reason (open fuse or circuit breaker, failure along a power line or at a power station), electrical fire that burns the electrical wires, etc. If you are concerned about the limitations of battery or AC powered units, please consult with a qualified electrician.

Smoke Alarms cannot detect fires if the smoke does not reach them. Smoke from fires in chimneys or roofs, on roofs, or on the other side of closed doors may not reach the sensing chamber and set off the alarm. That is why one unit should be installed inside each bedroom or sleeping area—especially if bedroom or sleeping area doors are closed at night—and in the hallway between them.

Smoke Alarms may not detect fire on another floor or area of the home. For example, a stand-alone unit on the second floor may not detect smoke from a basement fire until the fire spreads. This may not give you enough time to escape safely. That is why recommended minimum protection is at least one unit in every sleeping area and every bedroom in your home. Even with a unit on every floor, stand-alone units may not provide as much protection as interconnected units, especially if the fire starts in a remote area. Some safety experts recommend installing interconnected units.

Smoke Alarms cannot detect fires if the smoke does not reach them. Smoke from fires in chimneys or roofs, on roofs, or on the other side of closed doors may not reach the sensing chamber and set off the alarm. That is why one unit should be installed inside each bedroom or sleeping area—especially if bedroom or sleeping area doors are closed at night—and in the hallway between them.

Smoke Alarms may not be heard. Though the alarm horn in this unit meets or exceeds current standards, it may not be heard if: 1) the unit is located outside a closed or partially closed door; 2) the unit is located near alcohol or drugs; 3) the alarm is drowned out by noise from stereo, TV, traffic, air conditioner or other appliances; 4) residents are hearing impaired or sound sleepers. Special purpose alarms designed for installing in bedrooms, should be installed for hearing impaired residents.

Smoke Alarms may not have time to alarm before the fire itself causes damage, injury, or death, since smoke from some fires may not reach the alarm immediately. Escape routes should be clear of clutter, and children playing with matches, or fires caused by violent explosions resulting from escaping gas.

Smoke Alarms are not foolproof. Like any electronic device, Smoke Alarms are made of components that can fail at any time. You must inspect the unit weekly to ensure your continued protection. Smoke Alarms cannot prevent or extinguish fires. They are not a substitute for property or life insurance.

Smoke Alarms have a limited life. The unit should be replaced immediately if it is not operating properly. You should always replace a Smoke Alarm after 10 years from date of purchase. Write the purchase date on the space provided on back of unit.

SMOKE ALARMS
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