



Battery Replacement Instructions

First Alert 148 & 168, Vista- 10, Vista- 20, DSC 1555 and DSC 1616 Residential Control Panels

First Alert 148 & 168 residential security systems have a backup battery designed to supply power to the security system during a limited power outage. The Battery, much like a car's battery, must be replaced from time to time due to age and usage. The backup battery needs to be replaced when the keypad displays a "BAT" or "SYSTEM LOW BATT" message.

In most cases you can replace the battery yourself, typically saving you time and money. The process requires that removal of two wires from the old battery and reconnecting the same wires to the new battery. Before replacing the battery, please read these instructions carefully, including the Battery Safety Warning instructions below.

Battery Safety Warning

This section on Battery Safety should be read in its entirety and its contents understood before handling or using a rechargeable sealed lead-acid batter.

- Due to the potential energy stored in a sealed lead-acid battery, improper handling or use of the battery or failure to observe the precautions listed in this document may result in bodily injury caused by electrolyte leakage, heat generation or explosion.
- **USE ELECTRICALLY INSULATED TOOLS.** Use of un-insulated tools may cause a short circuit and the heat or sparks generated by the short circuit can result in burns, damage to the heat or generated by the short circuit can result in burns, damage to the battery, or an explosion. Metallic tools may be insulated using vinyl or electrician's tape.
- When unpacking the battery, make sure to handle it gently. Rough handling may shock the battery, causing damage. Check that the battery is free from cracks, fractures, or leakage.
- Be extremely careful not to drop the battery to avoid the possibility of serious injury.

If at any time you feel uncertain that you can follow these instructions or want to have the battery replaced by Comporium service technician contact Comporium

Tech Support at (803) 326-7233 and schedule a service appointment. In most cases, Comporium's service charge will apply.

Requesting a Replacement Battery

If you choose to replace the battery yourself, Comporium sells the battery at customer service locations. If there is a lock on the control panel door and you do not have a key, inform the Comporium and a key will be sent to you.

Battery Replacement Instruction

Before starting the battery replacement procedure:

- Call the Comporium Monitoring Station at (803) 327-2544 to have your security system placed "on test."
- Read the Battery Safety Warning section on the previous page, and
- Become familiar with the battery replacement instruction.

The control panel battery is located inside a control panel box similar to the one shown in the picture below. The control panel box is typically located inside a closet, basement or utility room in your home.

The backup battery could be of one of two sizes, either a 4 Ah or 7 Ah size. The picture below shows the two better sizes and the location of the wire terminals.

Battery Replacement Procedure

Upon receipt of the replacement battery, follow the steps below to replace the control panel batter.

Step	Action
1	Ensure you have your Personal Identification Code (PIC) and then call (803) 327-2544 to request that your security system be placed " on test. "
2	Open the control panel box, either by removing the screws on the side of the cover or with the control panel key. Note: The photo below does not show all the internal components and wiring. Your control panel may also look different from the photo.
3	Examine the battery inside. 3.1 The replacement battery will be the larger 12 volts size. Remove the new battery from the carton and determine if there is enough room inside the control panel box to accommodate the battery. <ul style="list-style-type: none">• If yes, go to step 4.

	<ul style="list-style-type: none"> If the 12-volt battery does not fit inside the control panel box close the control panel door and call (803) 327-2544 to schedule a service call and to request that the system be “removed from test.” <p>3.2 Does the battery look abnormal; (Caution: Does the batter have a swollen or split case, liquid is leaking from the case, the terminals are corroded or a hot cake)?</p> <ul style="list-style-type: none"> If no, go to step 4. If yes, close the control panel door and call (803) 327-2544 to schedule a service call and to request that the system be “removed from test.” 								
4	<p>Disconnect the old batter.</p> <p>Caution: Be sure to read the Battery Safety Warning at the beginning of these instructions before disconnecting the backup batter.</p> <table border="1" data-bbox="337 709 1414 1199"> <thead> <tr> <th data-bbox="337 709 513 751">Steps</th> <th data-bbox="513 709 1414 751">Action</th> </tr> </thead> <tbody> <tr> <td data-bbox="337 751 513 905">4.1</td> <td data-bbox="513 751 1414 905">Pull the BLACK wire connector from the negative (-) battery terminal. This may require pliers with electrically insulated handles. The connector may need to be wiggled slightly for it to loosen and become disconnected.</td> </tr> <tr> <td data-bbox="337 905 513 1052">4.2</td> <td data-bbox="513 905 1414 1052">Pull the RED wire connector from the positive (+) battery terminal. This may require pliers with electrically insulated handles. The connector may need to be wiggled slightly for it to loosen and become disconnected.</td> </tr> <tr> <td data-bbox="337 1052 513 1199">4.3</td> <td data-bbox="513 1052 1414 1199">Remove the old battery from the control panel box. Warning: Do not touch any metal objects to the terminals on the battery or to the open-end of the black and red wire connectors.</td> </tr> </tbody> </table>	Steps	Action	4.1	Pull the BLACK wire connector from the negative (-) battery terminal. This may require pliers with electrically insulated handles. The connector may need to be wiggled slightly for it to loosen and become disconnected.	4.2	Pull the RED wire connector from the positive (+) battery terminal. This may require pliers with electrically insulated handles. The connector may need to be wiggled slightly for it to loosen and become disconnected.	4.3	Remove the old battery from the control panel box. Warning: Do not touch any metal objects to the terminals on the battery or to the open-end of the black and red wire connectors.
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5	<p>Place the new battery inside the control panel box.</p> <table border="1" data-bbox="337 1283 1414 1774"> <thead> <tr> <th data-bbox="337 1283 513 1325">Steps</th> <th data-bbox="513 1283 1414 1325">Action</th> </tr> </thead> <tbody> <tr> <td data-bbox="337 1325 513 1402">5.1</td> <td data-bbox="513 1325 1414 1402">If the replacement battery has plastic terminal protectors, remove them before connecting the wires to the battery.</td> </tr> <tr> <td data-bbox="337 1402 513 1587">5.2</td> <td data-bbox="513 1402 1414 1587">Connect the RED wire to the RED terminal of the new battery by pushing the connector firmly onto the terminal. If you do not see a RED colored terminal, look closely at the top of the battery for a positive sign (+) next to the terminal and connect the RED wire to the positive (+) terminal.</td> </tr> <tr> <td data-bbox="337 1587 513 1774">5.3</td> <td data-bbox="513 1587 1414 1774">Connect the BLACK wire to the BLACK terminal of the new battery by pushing the connector firmly onto the terminal. If you do not see a BLACK colored terminal, look closely at the top of the battery for a negative sign (-) next to the terminal and connect the BLACK wire to the negative (-) terminal.</td> </tr> </tbody> </table>	Steps	Action	5.1	If the replacement battery has plastic terminal protectors, remove them before connecting the wires to the battery.	5.2	Connect the RED wire to the RED terminal of the new battery by pushing the connector firmly onto the terminal. If you do not see a RED colored terminal, look closely at the top of the battery for a positive sign (+) next to the terminal and connect the RED wire to the positive (+) terminal.	5.3	Connect the BLACK wire to the BLACK terminal of the new battery by pushing the connector firmly onto the terminal. If you do not see a BLACK colored terminal, look closely at the top of the battery for a negative sign (-) next to the terminal and connect the BLACK wire to the negative (-) terminal.
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6	<p>Go to your alarm keypad to make sure that it no longer displays a “BAT” or “LOW BATT” message. Does your security system display either one of these messages?</p>								

	<ul style="list-style-type: none"> • If no, go to step 7. • If yes, the battery may need to recharge for a short time; wait one hour and check again. If either the "BAT" or "LOW BATT" message is still displayed please call (803) 327-2544 to schedule a service call for a service technician to inspect your security system.
7	<p>Test your security system to make sure it is working proper. Follow the instructions in the First Alert 168 or 148, Vista-10 or Vista-20 "User's Guide" in the "Testing The System" section. Did you experience any issues during the system test?</p> <ul style="list-style-type: none"> • If no, go to step 8. • If yes, please call (803) 327-2544 to schedule a service call for a service technician to inspect your security system. <p>Note: Testing of your security system should be conducted monthly.</p>
8	Close the control panel door and replace the screws or lock the door.
9	Call and request that the system be "removed from test" and that normal monitoring be resumed.
10	<p>Dispose of the battery appropriately.</p> <p>Comporium wants to make customers for life and believes in sustainability and protecting the environment.</p> <p>In pursuit of these goals, Comporium is constantly looking for ways to decrease our impact on the environment. We encourage you to do your part and properly recycle the old sealed lead-acid battery being replaced in your alarm system.</p> <p>To find a recycler in your area please go to www.call2recycle.org and enter your zip code in the "Find a recycling location link." Returning your lead-acid battery to a recycler listed on this site is free of charge and will ensure it is being recycled to all applicable regulatory requirements.</p>