
WARNING

This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.

Now classified in accordance with ANSI/SIA CP-01-2000 (SIA-FAR)

User's Guide

DSC[®]
Power 864[™]

S E C U R I T Y S Y S T E M



Arming Your System

There are two basic methods for arming your security system.

- **Away Arming:** Use this method when everyone will be away from the premises. See below.
- **Stay Arming:** Use this method when one or more people will stay on the premises. See page 8.

You can also use any of these methods to arm your system (see pages 10 to 11):

- **Quick Arming:** Arm your system without having to enter an access code. *This feature must be turned on by your installer before it will work.*
- **"No Entry" Arming:** Arm your system with no entry delay - use this method when no one else will be entering the premises.
- **Automatic Arming:** The system will arm itself at pre-programmed times. *This feature must be turned on by your installer before it will work.*
- **No Activity Arming:** The system will arm itself after a pre-programmed delay after no zone activity. *This feature must be turned on by your installer before it will work.*



Away Arming

When you arm your system using the Away arming method, both interior zones (e.g., motion detectors) and border zones (e.g., door and window contacts) will be active and will cause an alarm to sound when opened.

1. Check that your system is ready to be armed (Ready light is ON).
2. Enter your [access code]. As you enter each digit, the keypad sounder beeps. If you enter the access code incorrectly, the keypad sounder buzzes steadily for two seconds. Re-enter your access code correctly.

When you enter a valid access code:

- The keypad sounds fast beeps.
 - The Armed light turns ON.
 - LCD5500Z/LCD5520Z keypads display "Exit Delay in Progress".
 - The exit delay begins and the keypad beeps once every second until the end of the exit delay. The keypad beeps quickly for the last 10 seconds of the exit delay.
3. Exit the premises through the entry/exit door. Doing this tells the system that you are away, and the system arms all the interior zones.

At the end of the exit delay, all keypad lights, except the Armed light, turn OFF. LCD5500Z/LCD5520Z keypads display "System Armed in Away Mode" and "Enter Code to Disarm System". The system is now armed.

NOTE: If LCD5500Z/LCD5520Z keypads display: *"* WARNING * Bypass Active"*, or if the Bypass indicator is ON at PC55XXZ and LCD5501Z keypads, there are one or more zones bypassed (i.e., not armed). See "Bypassing Zones" on page 15. If you arm the system with a zone bypassed or a trouble present, your security protection is reduced.

Away Button

You may also be able to quickly Away arm your system using the "Away" function button on your keypad. If your installer has programmed this button, press and hold it for two seconds to arm in Away mode.

Bell/Siren Sounds After Away Arming

Audible Exit Fault

In an attempt to reduce false alarms, the Audible Exit Fault is designed to notify you of an improper exit when arming the system in the Away mode. In the event that you fail to exit the premises during the allotted exit delay period, or if you do not securely close the Exit/Entry door, the system will notify you that it was improperly armed in two ways: the keypad will emit one continuous beep and the bell or siren will sound.

Your installer will tell you if this feature has been enabled on your system.

If this occurs:

1. Re-enter the premises.
2. Enter your [access code] to disarm the system. You must do this before the entry delay timer expires.
3. Follow the Away arming procedure again, making sure to close the entry/exit door properly. (See "Away Arming" on page 7.)



Stay Arming

Use the Stay arming method when you want to stay on the premises, but prevent unauthorized entry from outside the premises. The system will arm only the border (e.g., door and window contacts) zones and will bypass the interior zones (e.g., motion detectors) so that you will be free to move around inside.

1. Check that your system is ready to be armed (Ready light is ON)
2. Enter your [access code]. As you enter each digit, the keypad sounder beeps. If you entered the access code incorrectly, the keypad sounder buzzes steadily for two seconds. Re-enter your access code correctly.

When you enter a valid access code:

- The keypad sounds fast beeps.
 - The Armed light turns ON.
 - LCD5500Z/LCD5520Z keypads display "Exit Delay in Progress".
 - The exit delay begins and the keypad beeps once every second until the end of the exit delay. The keypad beeps quickly for the last 10 seconds of the exit delay.
3. DO NOT exit the premises through the entry/exit door. This tells the system that you are staying, and the system automatically bypasses the Stay/Away zones.

At the end of the exit delay, all keypad lights, except the Armed light, turn OFF.

LCD5500Z/LCD5520Z keypads display "System Armed in Stay Mode" and "Enter Code to Disarm System". At PC55XXZ and LCD5501Z keypads, the Bypass indicator will be on. The system is now armed.

NOTE: As a safety measure, the Stay Arming exit delay will be twice as long as the Away Arming exit delay.

Re-activate bypassed zones

To fully arm the system when it has been armed in Stay mode:

1. Press ***** **1** at any keypad. The interior zones are now armed.

NOTE: *When you have re-activated the interior zones, you will not be able to enter areas protected by motion detectors, or open doors and windows. To access these areas, you must enter your [access code] and disarm the system.*

Stay Button

You may also be able to quickly Stay arm your system using the “Stay” function button on your keypad. *If your installer has programmed this button, press and hold it for two seconds to arm in Stay mode.*

Your installer will tell you if the Quick Arm method has been enabled on your system. Using this method, you can quickly arm your system without having to enter an access code.

To quick arm:

1. Check that the system is ready to be armed (Ready light is ON)
2. Press ***** **0**.
 - The keypad sounds fast beeps.
 - The Armed light turns ON.
 - LCD5500Z/LCD5520Z keypads display “Exit Delay in Progress”.
 - The exit delay begins and the keypad beeps once every second until the end of the exit delay.
3. Exit the premises through the entry/exit door. The system will be armed in Away mode. If you do not exit the premises, the system will be armed in Stay mode. This mode also applies to individual partitions.

NOTE: *Pressing ***** **0** will only arm the system. To disarm, you must enter a valid [access code]. See “Disarming Your Security System” on page 11.*

NOTE: *For Away, Stay or Quick Arming, you may restart the exit delay routine if an Entry/Exit zone is opened, restored, then reopened once again. This restart routine can occur one time only. This can be done on separate partitions.*

“No Entry” Arming

If you want to arm the system, and no one else will be entering, you can remove the entry delay from zones that normally have one.

An entry through any zone will then create an instant alarm.

1. Check that your system is ready to be armed (Ready light is ON)
2. Press ***** **9**, then your [access code].
 - The Armed light flashes as a reminder that the system is armed and has no entry delay.
 - The keypad sounds fast beeps.
 - LCD5500Z/LCD5520Z keypads display “Exit Delay in Progress”.
3. The system is now armed in Stay mode.



Automatic Arming

Your installer may have set up your system to arm at a pre-programmed time. If automatic arming has been programmed, when the system reaches the programmed auto-arm time, the keypad buzzers will sound for one minute, and LCD5500Z/LCD5520Z keypads will display "System Arming in Progress".

During this one-minute warning time, you may be able to cancel or postpone auto-arming by entering your [access code]. Ask your installer for more information.

Your installer may have set up the system so that users with a [master code] can control the auto-arm schedule at the keypad. If so, master users will be able to turn the auto-arming function on or off, and program the time at which the system will auto-arm each day.

To turn automatic arming on or off:

1. Press ***** **6**, then [master code].
2. Press **2** to turn automatic arming on or off. The keypad will beep 3 times when auto-arm is turned ON, and once when it is turned OFF.
3. To exit programming, press **#**.

To program the auto-arm time:

1. Press ***** **6**, then [master code].
2. Press **3**.
3. *On an LCD5500Z/LCD5520Z keypad, scroll to the day of the week you want to program using the **<** **|** **>** keys, then press *****.*
On a PC55XXZ or LCD5501Z keypad enter the number of the day of the week (1 - 7) you want to program (e.g., for Sunday, press [1], for Friday press [6]).
4. Enter the auto-arm time using the 24Hr format (0000 - 2359). For example, to set the time for 1:00pm, enter (1300). To prevent auto-arming on a particular day, enter (9999) for the auto-arm time.
5. To program the time for another day, repeat steps 3-4. To exit programming, press **#** twice.

NOTE: *The correct system time and date must be programmed in order for the auto-arm feature to function properly. Please see "Setting the Time and Date" on page 21.*

Quick Exit

Your installer will tell you if the Quick Exit feature has been enabled on your system. The Quick Exit feature will allow you to exit the premises while the system is armed, without having to disarm and then re-arm the system.

To use the Quick Exit feature:

1. While the system is armed, press ***0**.
2. The system will start a two-minute countdown, during which you may leave the premises through the entry/exit door.

NOTE: During this time, you may only open and close the entry/exit door once. Once the door is closed the system will end the two-minute Quick Exit period. If the door is opened again, or is not closed before the two-minutes are up, or if another entry/exit door is opened, the entry delay will begin.

Exit Button

If your installer has programmed the Exit function button, press and hold the button for two seconds to activate the Quick Exit feature.

1. If you are outside, enter the premises through a designated entry/exit door. If you are inside, go to step 2.

NOTE: Entering by any other door will immediately cause an alarm.

The keypad beeps to indicate that you must disarm the system. LCD5500Z/LCD5520Z keypads display "Entry Active Enter Your Code". Your system should have a minimum 30 second entry delay for false alarm reduction purposes. Please consult your installer for the programmed entry delay time on your system partition.

2. Go to the keypad and enter your [access code]. The correct access code must be entered before the entry delay period expires. If a valid access code is not entered during this time, the system will sound an alarm.

NOTE: If you entered the access code incorrectly, the keypad sounder buzzes steadily for two seconds. Re-enter your access code correctly.

As soon as the correct code is entered, the Armed light turns OFF and the keypad stops beeping.

If no alarms occurred while the system was armed and there are no trouble conditions present, LCD5500Z/LCD5520Z keypads will display "System Disarmed No Alarm Memory" for a few seconds, and then "Enter Code to Arm System". If the system is in alarm and is silenced by entering the access code, the LCD display may prompt "Communications Cancelled". This will notify the user that the alarm has not been sent to the central monitoring station.

3. If an alarm occurred while the system was armed:
 - PC55XXZ and LCD5501Z keypads will flash the Memory indicator
 - LCD5500Z/LCD5520Z keypads will display "View Memory <> "Zone of Alarm". See "Viewing Alarms in Memory" on page 13.

CAUTION: If you return and find that an alarm has occurred while you were away, it is possible that an intruder is still on the premises. Go to a nearby safe location, and call your central station or the local authorities to investigate. The alarm memory is cleared each time the panel is armed, so any alarms showing are alarms that occurred only during the last armed period.

Disarming Your Security System

Section 3: Dealing With Alarms and Emergencies

If you return to the premises and the bell or siren is on - DO NOT ENTER. Contact local authorities from a nearby safe location.

Read this section carefully so that you will know what to do if your system goes into alarm. Your installer will tell you if fire detection equipment has been installed and enabled on your system.

NOTE: A fire alarm always has priority over an intrusion (burglary) alarm.

Fire Alarms

A pulsing bell or siren indicates a fire alarm. ***If there is a fire, or if you are not sure, follow your evacuation plan immediately.*** (See "Fire Escape Planning" on page 22.)

If remote monitoring is enabled, the system will send a fire message to the central station. Your installer may have set up the keypad Fire keys and other fire equipment to send a fire alarm message to the central station as soon as they are activated. Your installer may have set up other equipment (e.g., smoke detectors) to have a 30 second delay before sending the alarm message to the central station. Your installer will inform you how the equipment on your system operates.

Equipment that has been set up with a 30 second delay (e.g., smoke detectors) gives you time to correct the problem before a false alarm is sent to the central station. Your installer may have implemented an auto-verify fire zone for your smoke detector(s). Consult your installer for a detailed explanation of its function, purpose and use.

NOTE: *If you suspect that a fire message has been transmitted, but there is no fire condition, call the central station to avoid an unnecessary response.*

If there is no fire condition, to silence the fire alarm:

1. Press **#** within 30 seconds of the beginning of the alarm. The fire alarm will sound again if the smoke detector is not reset within 90 seconds.
2. To reset the smoke detectors, press ***72**. After the smoke detector has been reset, if it still detects smoke the alarm will sound again. If there is no smoke, the system will return to normal.
3. To silence the fire alarm after the 30 second delay has expired, enter your [access code].

NOTE: *Your installer may have programmed the system to operate differently than described above. Ask your installer for more information regarding your system's operation.*

Intrusion (Burglary) Alarms

A steady bell or siren indicates an intrusion alarm.

To silence the alarm:

1. Enter your [access code].
2. If the alarm was unintentional, call your central station or local authorities immediately to avoid an unnecessary response.
3. Check the alarm memory display to see which zone caused the alarm.

Once the source of the alarm has been corrected, the system will return to the Ready state.

NOTE: Your LCD5500Z/LCD5520Z keypad has the capability to display “Communications Cancelled” if you have central station supervision and if the alarm occurred within a set communication cancel window. For more information about this feature, ask your installer.




Viewing Alarms in Memory

The alarm memory display shows you which zone (detector) caused the alarm. The alarm memory is cleared each time the system is armed. Any alarms showing on the system have occurred only during the last armed period.

CAUTION: If you return and find that an alarm has occurred while you were away, it is possible that an intruder is still on the premises. Go to a nearby safe location, and call your central station or the local authorities to investigate.




LCD5500Z/LCD5520Z Keypads

If an alarm occurred while the system was armed, LCD5500Z/LCD5520Z keypads will display “View Memory <> Zone X”.

1. Use the   keys to view which zone(s) caused the alarm.
2. To cancel the alarm memory display, press .




LCD5501Z Keypads

If an alarm occurred while the system was armed, the Memory indicator will flash, and the keypad will scroll through the zones that were in alarm for 30 seconds after the system has been disarmed.

1. To cancel the alarm memory display, press  during the 30-second display.
2. After the 30-second period is over, the system will return to the Ready state, but the Memory indicator will be ON. To view alarms in memory, press  . The display will scroll the numbers of the zone(s) that were in alarm.

PC55XXZ Keypads



If an alarm occurred while the system was armed, the Memory light and the zone light corresponding to the zone that caused the alarm will flash for 30 seconds after the system has been disarmed.



1. To cancel the alarm memory display, press  during the 30-second display.
2. After the 30-second period is over, the system will return to the Ready state, but the Memory light will be ON. To view alarms in memory, press  . The zone light(s) of the zone(s) that were in alarm will flash.



NOTE: Troubles will not display while the system is displaying alarms in memory.

Calling for Help

All keypads have three pairs of emergency keys. Using these keys you can send an immediate Fire, Auxiliary or Panic message to your central station.

Press both   keys for two seconds to send a Fire message, and to trigger a fire alarm on the system.

Press both   keys for two seconds to send an Auxiliary message.

Press both   keys for two seconds to send a Panic message.

IMPORTANT: *The Fire, Auxiliary and Panic keys will NOT function unless turned ON by the installer. If your installer has turned these keys ON, and enabled audible feedback, holding down the keys for two seconds will cause the keypad sounder to beep indicating that the alarm input has been accepted and transmission to the central station is underway.*

Section 4: Using Advanced Functions

This section describes how to perform more specialized functions: bypassing zones, turning the door chime on or off, viewing the trouble display and event buffer, and testing your system.

NOTE: *Your system may have cross zoning enabled. For more information, ask your installer.*



Bypassing Zones

Use the zone bypassing feature when you will need access to a protected area while the system is armed, or when a zone is temporarily out of service, but you need to arm the system. *Bypassed zones will not be able to sound an alarm.*

Bypassing zones reduces the level of security. If you are bypassing a zone because it is not working, call a service technician immediately so that the problem can be resolved and your system returned to proper working order. Make sure that no zones are unintentionally bypassed when arming your system.

Zones cannot be bypassed once the system is armed. Bypassed zones are automatically cancelled each time the system is disarmed and must be bypassed again, if required, before the next arming.

NOTE: *For security reasons, your installer has programmed the system to prevent you from bypassing certain zones (e.g., smoke detectors).*

Bypassing Zones with an LCD5500Z/LCD5520Z keypad

Start with the system disarmed.

1. Press to enter the function menu. The keypad will display "Press [*] for < > Zone Bypass".
2. Press OR , then your [access code] (if required). The keypad will display "Zone Search < > "Zone Name"".
3. Enter the two-digit number of the zone(s) to be bypassed (01-64). You can also use the keys to find the zone to be bypassed, and then press to select the zone. The keypad will display "Zone Search < > "Zone Name?". "B" will appear on the display to show that the zone is bypassed. If a zone is open (e.g., door with door contact is open), the keypad will display "Zone Search < > "Zone Name" O". If you bypass the open zone, a "B" will replace the "O".
4. To unbypass a zone, enter the two-digit number of the zone(s) to be bypassed (01-64). You can also use the keys to find the zone, and then press to select the zone. The "B" will disappear from the display to show that the zone is no longer bypassed.
5. To exit bypassing mode and return to the Ready state, press .

Bypassing Zones with a PC55XXZ or LCD5501Z keypad

Start with the system disarmed.

1. Press , then your [access code] (if required).
2. Enter the two-digit number of the zone(s) to be bypassed (01-64). On PC55XXZ keypads, the zone light will turn on to indicate that the zone is bypassed.
3. To unbypass a zone, enter the two-digit number of the zone (01-64). On PC55XXZ keypads, the zone light will turn off to indicate that the zone is not bypassed.
4. To exit bypassing mode and return to the Ready state, press .

Recalling Bypassed Zones

To recall the last set of bypassed zones:

1. Press ***** **1**, then your [access code] (if necessary).
2. Press **9** **9**.
3. To exit bypassing mode and return to the Ready state, press **#**.

Bypass Groups

A Bypass Group is a selection of zones programmed into the system. If you bypass a group of zones on a regular basis, you can program them into the Bypass Group, so that you do not have to bypass each zone individually every time. One Bypass Group can be programmed on each partition.

To program a Bypass Group:

1. Press ***** **1**, then your [access code] (if necessary).
2. Enter the two-digit numbers (01-64) of the zones to be included in the Bypass Group. On LCD5500Z/LCD5520Z keypads, you can also use the **<** **|** **>** keys to find the zone to be included in the bypass group, and then press ***** to select the zone.
3. To save the selected zone into the group, press **9** **5**.
4. To exit bypassing mode and return to the Ready state, press **#**.

To select a Bypass Group when arming the system:

1. Press ***** **1**, then your [access code] (if necessary).
2. Press **9** **1**. The next time the system is armed, the zones in this group will be bypassed.
3. To exit bypassing mode and return to the Ready state, press **#**.

NOTE: Bypass Groups are only recalled if the system is armed/disarmed after programming the bypass group.

Identifying Trouble Conditions



Your system continuously checks for a number of possible trouble conditions. If one of these trouble conditions occurs:

- the Trouble indicator will be ON until the trouble is fixed;
- the keypad will beep twice every 10 seconds until you press any key;
- if AC power is lost, the Trouble LED will flash and the keypad buzzer will not sound.

NOTE: A Trouble condition reduces the level of security your system is designed to provide. Call your installing company for service.

Viewing Troubles with an LCD5500Z/LCD5520Z keypad

1. Press ***** **2**. The keypad will display "View Trouble" < > "Trouble Message".
2. Use the **<** **|** **>** keys to scroll through the troubles present on the system.
3. If the keypad shows a "*" beside the trouble message, more information is available. Press ***** to see the rest of the trouble message.
4. To exit trouble viewing, press **#**.

Viewing Troubles With a PC55XXZ or LCD5501Z Keypad

1. Press ***** **2**. On PC55XXZ keypads, one or more zone lights will turn ON, to indicate which trouble conditions are present. On the LCD5501Z keypad, one or more of the eight trouble/programming indicators will turn ON:

Indicator	Type Of Trouble								
1	Service required. Call your installation company for service. Press [1] and one or more of the indicators corresponding to the following system troubles will turn ON: <table border="0" style="margin-left: 20px;"> <tr> <td>1. Low Battery</td> <td>5. General System Supervisory</td> </tr> <tr> <td>2. Bell Circuit Trouble</td> <td>6. Not used</td> </tr> <tr> <td>3. General System Trouble</td> <td>7. PC520X Low Battery</td> </tr> <tr> <td>4. General System Tamper</td> <td>8. PC520X AC Failure</td> </tr> </table>	1. Low Battery	5. General System Supervisory	2. Bell Circuit Trouble	6. Not used	3. General System Trouble	7. PC520X Low Battery	4. General System Tamper	8. PC520X AC Failure
1. Low Battery	5. General System Supervisory								
2. Bell Circuit Trouble	6. Not used								
3. General System Trouble	7. PC520X Low Battery								
4. General System Tamper	8. PC520X AC Failure								
2	AC power lost.								
3	Telephone line trouble.								
4	The system has failed to communicate with the central station.								
5	Zone fault. Press [5]. On PC55XXZ keypads, the zone light(s) corresponding to the zones with faults will turn ON, provided the corresponding zone light is available on the keypad. On LCD5501Z keypads, the keypad display will scroll through the numbers of zones with faults.								
6	Zone tamper. Press [6]. On PC55XXZ keypads, the zone light(s) corresponding to the tampered zones will turn ON, provided the corresponding zone light is available on the keypad. On LCD5501Z keypads, the keypad display will scroll through the numbers of tampered zones.								

Zone Light Type Of Trouble

7 Low zone battery. This trouble is generated when a wireless device has a low battery. This trouble only applies if you have wireless devices installed on your system. Press [7] one, two, or three times to view which devices are experiencing battery failure. The following will occur:

Keypad beeps: Keypad displays:

Press [7]1 Zones with low batteries

Press [7] again2 Handheld keypads with low batteries

Press [7] again3 Wireless keys with low batteries.

8 Loss of time on system clock. To set the system time, follow the instructions in "Setting the Time and Date" on page 21.

2. To exit trouble viewing, press (#).

The event buffer will show you a list of the last 256 events that have occurred on your system. You must use an LCD5500Z/LCD5520Z keypad to view the event buffer.

1. Press (*)(6) [master code].

2. To select Event Buffer viewing, press (*).

3. The keypad will display the event number, partition or area, and the time and date. Press (*) to switch between this information and the event details.

4. Use the (<|>) keys to scroll through the events in the buffer.

5. To exit event buffer viewing, press (#).

Viewing the Event Buffer from an LCD5500Z/LCD5520Z Keypad

Testing Your System

Testing Your Keypad Sounder and Siren

The System Test provides several system tests, and a two-second check of the keypad sounder and bell or siren.

1. Press (*)(6) [Master Code] (4).

2. The following will occur:

- The system activates all keypad sounders and bells or sirens for two seconds -- All keypad lights turn ON.

- LCD5500Z/LCD5520Z keypads will light all pixels

- The Ready, Armed, and Trouble LED's will flash for the duration of the test

3. To exit the function menu, press (#).

Testing Your Entire System

All smoke detectors in this installation must be tested by your smoke detector installer or dealer once a year to ensure they are functioning correctly. It is the user's responsibility to test the system weekly (excluding smoke detectors). Ensure you follow all the steps in the 'Testing Your System' section above.

NOTE: Should the system fail to function properly, call your installation company for service immediately.

1. Prior to testing, ensure that the system is disarmed and the Ready light is on.

2. Press (#) and close all zones to return the system to the Ready state.

3. Perform a System Test by following the steps in the previous section.

4. To test the zones, activate each detector in turn (e.g., open each door/window or walk in motion detector areas).