

Power up

To power up the module and panel and start communication between them, do the following:

1. Verify that all wiring between the panel and module is correct.
2. Connect the backup battery and restore AC power to the panel.

Note: Whenever any module is added or changed, you must remove panel power and reapply it for the panel and module to communicate successfully.

3. Verify that GSM status LED 1 is not flashing any errors (see *GSM status LEDs* on page 3). Also, verify that LED 4 is flashing a GSM signal level of two or higher. Otherwise, relocate the module. If LED 1 and LED 4 are not flashing, and LED 2 and LED 3 are flashing together, the module is in PowerSave mode and the battery needs to be charged.

4. Perform a GSM phone test by pressing *44 while the system is disarmed (**Make sure that panel's Location 37, Segment 2, Bit 7 is set**).

Note: if Location 37, Segment 2, Bit 6 is set, performing the GSM phone test will trigger the local siren. To avoid triggering the siren when performing the GSM test, make sure Bit 6 is OFF.

The panel will not show any indication that the phone test signal has been sent. You can check the GSM Status LEDs L3 and L4: L4 should be blinking on for 2 seconds and off for 2 seconds. L3 will blink once briefly as soon as you press *44. If the account is reporting to a Central Station, wait for a minute and check with the Central Station to see if the GSM Phone Test signal was received correctly. The GSM Phone Test is also used by Alarm.com to set the module's parameters the first time the module is powered up. It ensures that Alarm.com will receive the sensors list and any other information required for proper signaling.

Enrolling the module

The NetworkX control panels have the ability to automatically find and store in memory the presence of all keypads, zone expanders, wireless receivers, output modules, and any other device on the keypad bus. This allows these devices to be supervised by the control panel. To enroll the devices, enter Program Mode using the procedure outlined in the control panel installation manual. When you exit Program Mode, the control panel will automatically enroll the devices. The enrolling process takes about 12 seconds, during which time the "Service" LED will illuminate. User codes will not be accepted during the enrolling process. Once a module is enrolled, if it is not detected by the control, the "Service" LED will illuminate. When initially powering up, the control

panel automatically performs the device enrollment process.

No LCD Keypad required

Starting with GSM firmware N120, LCD Keypads are not required in order to install or operate an Alarm.com GSM module for the NX panel. If you do install one or more LCD keypads, at least one of them should be in partitions 1, 2, or 3 (type *94 at the LCD keypad to show its number and partitions).

CAUTION: If there is no LCD keypad, you must tell the GSM module to not try auto-detecting the LCD keypad. Failure to do so may cause the panel to issue trouble beeps. Follow the procedure below:

1. Make sure the GSM module is connected to the panel and powered up.
2. Hook up an LCD keypad temporarily (keypad 1 partition 1 if possible). Make sure that the keypad number and partition number don't conflict with another keypad in the system
3. Enroll the LCD keypad by going into and then exiting system programming mode.
4. Press *92 + installer code at the LCD keypad. The keypad will prompt you for a "message number".
5. Press 189# to edit message number 189. By default the message will say "Zone 189".
6. Change the first 5 characters to *NOLCD* (upper case, no spaces)
7. Press *, then #, then *Exit*, to leave programming mode.
8. Wait at least 2 minutes before disconnecting the LCD keypad. Don't forget to go into system programming mode to un-enroll the LCD keypad.

Note: (1) Before disconnecting the LCD keypad, you can check that the GSM module saw the *NOLCD* command by repeating steps 4 and 5. The message should now read "ZMAX: ...". Repeat step 7 to exit programming.
(2) Starting in 2009, there will be an AirFx command on the web site to tell the GSM module that there is no LCD keypad to detect.

GSM status LEDs

There are four small GSM status LEDs, located below the serial number label on the module (*Figure 1* on page 1).

Note: You do not need to refer to the four vertical status LEDs located on the left side of the bus module itself. These lights were used primarily to indicate network status with the old Skytel or Weblink Alarm.com modules. To view system status, and network registration, please refer to the *GSM Status LEDs* located at the bottom of the radio.