



Lynx Security Panel
Quick Reference Guide

System Operation

Security Codes

Installer Code

The installer programs the 4-digit Installer Code initially as part of the programming procedure. The factory default Installer Code is **4-1-1-2**, but may be changed in field *20.

The Installer Code is the only code that can enter Programming mode and also, in normal operation mode, is used to enter the Master Code, which allows access to the normal functions of the system.

Master Code

In normal operation mode, the Installer Code is used to enter the 4-digit Master Security Code.

To enter/change the Master code by installer, using the keypad enter:

Installer Code + [CODE key] + [02] + desired 4-digit Master Code

To change the Master code by master, using the keypad enter:

Current Master Code + [CODE key] + [02] + new Master Code + new Master Code again

Secondary User Codes

In normal operation mode, the Master Security Code can be used to assign up to 6 secondary 4-digit security codes, including a Babysitter Code and a Duress Code. The Master Code can also be used to remove secondary codes from the system (individually).

To assign (or change) a secondary security code, using the keypad enter:

Master Code + [CODE key] + User # (03–08) + desired Secondary Code

The system will emit a single beep when each secondary code has been successfully entered.

To delete a secondary security code, using the keypad enter:

Master Code + [CODE key] + User # (03–08)

Security Code Notes

- The Master and Secondary security codes permit access to the system for arming, disarming, etc.
- The Installer Code can disarm the system only if it was used to arm it. In addition, the Installer Code cannot disarm the system if it was armed by pressing and holding a Quick-Arm button.
- The Babysitter Code (User Code No. 7) can disarm the system only if it was used to arm it. In addition, the Babysitter Code cannot disarm the system if it was armed by pressing and holding a Quick-Arm button.
- Duress code (User Code No. 8) sends a special code to the monitoring station when used to perform any system operation.. Instruct users to be careful not to use this code for normal usage.
- If a secondary code is inadvertently repeated for different users, the lower user number will take priority.
- Opening/closing reports are sent for the Installer Code as No. 01, with the appropriate subscriber number. Master Code and set of secondary user codes are sent as Nos. 02 and 03–08, respectively, in Contact ID® format (with the appropriate user number); in 4+2, it is 1–8. Quick arming (and open/close executed by downloader) is reported as user 00.

Panic Keys

There are three panic key pairs that, if programmed, can be used to manually initiate alarms and send a report to the central station.

Each can be individually programmed for 24-hour silent, audible, personal or fire emergency responses. The panic function is activated when both keys of the appropriate key pair are pressed at the same time.

The panic functions are identified by the system as follows:

Keys	Displayed as Zone
[1] & [*]	95
[*] & [#]	99
[3] & [#]	96

Important: For the silent panic functions to be of practical value, the system must be connected to a central station.

System Operation

Keypad Functions

The keypad allows the user to arm and disarm the system, and perform other system functions, such as bypassing zones. Zone and system conditions (alarm, trouble, bypass) are displayed in the display window. When an alarm occurs, keypad sounding and external sounding will occur, and the zone(s) in alarm will be displayed on the keypad. Pressing any key will silence the keypad sounder for 10 seconds (only once). Disarming the system will silence both keypad and external sounders. When the system is disarmed, any zones that were in an alarm condition during the armed period will be displayed (memory of alarm). To clear this display, simply repeat the disarm sequence (enter the security code and press the OFF key). The keypad also features chime annunciation, and 3 panic key pairs for silent, audible, fire or personal emergency alarms. These keys can notify the central station of an alarm condition, if that service is connected. A summary of system functions is provided below for more detailed information refer to the User's Manual.

Security Functions (Empty boxes represent the user's security code)

Checking system status: (STATUS) (high level messages); press (STATUS) again for secondary messages

To arm in STAY mode: + (STAY) (or installer code + [3])

To restart exit delay: (STAY) (applies only if system is armed in Stay mode)

To arm in AWAY mode: + (AWAY) (or installer code + [2])

To arm with NO DELAY: + (AWAY) or (STAY) + (NO DELAY)

To arm if Quick Arm is programmed: (AWAY) or (STAY) (hold down for at least 2 seconds)

To disarm the system and silence alarms: + (OFF)

To bypass a zone(s): + (BYPASS) + 2-digit zone number(s)

To turn Chime mode on or off: (FUNCTION) + (CHIME)

Message Center

To record a message: (FUNCTION) + (RECORD)

To stop recording before end of 20 seconds: (OFF)

To play back a message: (FUNCTION) + (PLAY)

To skip a message: [*]

To delete all messages: (FUNCTION) + (DELETE) (during message replay)

NOTE

If a 5827 Wireless keypad has been installed, it cannot be used to activate message playback/recording, programming the real time clock or scheduling remotely. In this case, you must use the master keypad on the control panel to perform these functions.

Volume Control

To adjust message playback/system announcement volume: (FUNCTION) + (VOLUME) + [3] or [6]

To mute system announcements: (FUNCTION) + (VOLUME) + (OFF)

To restore/unmute announcement & volume: (FUNCTION) + (VOLUME) + [3] or [6]

Other Functions

To set the time and date: + (FUNCTION) + [63]

To set the scheduling: + (FUNCTION) + [64]

To activate or deactivate X-10 devices 1-6: (FUNCTION) + (LIGHTS ON) or (LIGHTS OFF) + device number

To activate or deactivate X-10 devices 7 & 8: + (FUNCTION) + (LIGHTS ON) or (LIGHTS OFF) + dev. No.

To add a user code: * + (CODE) + user number + user's code (*master code)

To delete a user code (except Master Code): * + (CODE) + user number (* master code)

To turn Test mode on: + (TEST)

To turn Test mode off: + (OFF)

To use the defined AUX function: Press and hold (AUX) key 2 secs (4 beeps) +

To define AUX function: + (FUNCTION) + (AUX) + action separated by + (AUX) terminated by + (AUX) + (AUX)

To send message to pager: Press and hold (AUX) key 2 seconds (4 beeps)

To program Follow Me Announcement telephone number: + (FUNCTION) + [65]

System Operation

Speaker Phone Operation (LYNXR-EN Only)

To place a call or answer a call using the speaker phone: [#] +

To flash (switch between two calls using call waiting):

To hang up and exit speaker phone mode:

To enable/disable (toggle) ringer: [#] + +

To return the keypad to telephone mode after disarming the system: [#] +

NOTE

The ARMED and READY LEDs blink alternately when the Speaker Phone is active.

Remote Phone Control Feature

The remote phone control feature, which must be enabled in field *91, allows the user to access the security system from any off-site touch-tone telephone. The control will pick up the incoming call, based on the ring count specified in field *95, and will announce "SYSTEM" every three (3) seconds for the next eight (8) seconds. During this period the panel will wait for a valid User Code to be entered. If a valid User Code is not entered or the eight (8) second period expires a modem tone will be generated for remote programming (Compass Downloading). If a valid User Code has been entered, the control will announce the current system status and/or beeping sounds.

Keypad Functions

Remote Phone Control Feature

To remotely disarm system: + [1]

To remotely arm in AWAY mode: + [2]

To remotely arm in STAY mode: + [3]

To remotely arm in AWAY or STAY with no delay: + [2] or [3] + [0]

To remotely activate X-10 devices 1-6: [#] + [4] + device no.

To remotely activate X-10 devices 7 & 8: + [#] + [4] + device no.

To remotely deactivate X-10 devices 1-6: [#] + [7] + device no.

To remotely deactivate X-10 devices 7 & 8: + [#] + [7] + device no.

To remotely Bypass zones: + [6] + zone no.

To remotely activate Forced Bypass: + [6] + [#]

To remotely check system status: [*]

To end remote phone control session: Hang Up or + [9]

Quick Arm Note

The installer code and babysitter code cannot disarm the system if armed by Quick Arm method.

System Operation



Alarm audio verification cannot be used for UL installations.

Alarm Audio Verification (Two-Way Voice Feature)

This feature allows the central station operator to listen, talk to or conduct a two-way conversation with an individual(s) at the premises. It also assists the operator in gathering information about the nature and location of the alarm that may be helpful in responding to police and fire departments. All LYNXR-Series control panels are capable of supporting the Two-Way Voice feature, however only the LYNXR-EN has this feature built in. The LYNXR/LYNXR24 requires the installation of the Audio Verification Module (LYNX-AVM). For further information regarding the LYNXR/LYNXR24 Two Way Voice Feature refer to the LYNX-AVM Installation and Setup Guide. The LYNXR-EN does not make system announcements when the Two-Way voice feature is active.

Activation

The LYNXR-EN sends the “alarm message” followed by a “Listen-in-to-Follow message” (Contact ID® code 606) to the Central Station. The Listen-in-to-Follow message causes the Central Station’s digital receiver to temporarily hold the phone line for approximately 1-minute. When the LYNXR-EN receives the “kissoff” from the central station, indicating that the alarm message has been received, the Two-Way Voice (AVM) feature is activated in the (default) “Listen Mode” and sirens and keypad sounds are discontinued. The LYNXR-EN transmits a beep acknowledgment to the Central Station, once per second. The beep alternates between two tones and indicates that the LYNXR-EN is waiting for a session command from the Central Station operator. Once a command is issued the beep acknowledgement is discontinued, however, if a command is not issued within two minutes the system will “time out” and the call will be terminated.

Operator Commands

The Central Station operator begins the session, which last 5 minutes, by entering one of the valid AVM commands shown in the table below. The session may be extended 5 minutes, without changing the operating mode, by pressing the [7] key on the touch-tone phone. Selecting another operating mode also resets the session an additional 5 minutes. During the last minute of the 5 minute, session, the LYNXR-EN generates two beeps every 30 seconds to alert the Central Station operator that the session is about to time out. The Central Station operator may then extend the session by pressing the [7] key on the touch-tone phone. If the session is not extended the phone line is disconnected, and the session is ended. Sessions may be ended at any time by pressing the [9] key on the touch-tone phone. The AVM modes are described as follows:

Note: When entering AVM commands make sure the Central Station receiver has been disconnected from the phone line, otherwise AVM commands may not go through.

Key	Function
1	Talk Mode: Pressing the [1] key on the touch tone phone, enables one-way voice communication from the central station to the violated premises, and allows the operator to talk communicate through the LYNXR-EN speaker. In this mode the ARMED (red) and READY (green) LEDs blink alternately.
2	VOX (Voice) Mode: Pressing the [2] key on the touch-tone phone, enables two-way voice communications between the central station and the violated premises. In this mode the ARMED (red) and READY (green) LEDs blink alternately.
3	Listen Mode: Pressing the [3] key on the touch-tone phone, enables one-way audio from the violated premises to the central station. The Listen Mode is the start up default mode of the voice feature and allows the operator to listen through the LYNXR-EN microphone. This mode does not affect the existing LED pattern.
7	Extends the session 5 minutes without changing its operating mode.
9	Ends the session and disconnects the phone line.

System Operation

“Follow Me” Reminder Feature

This feature allows the user to schedule a time driven message. When activated the system will dial a phone number, that the installer programs in Field *46, and deliver a voice message (custom words 72, 73, and 74). The LYNXR will immediately begin transmitting the voice message and will repeat the message for 45 seconds. Pressing any touch-tone key on the answering phone will acknowledge the message ending the session and preventing the system from redialing the programmed number. Delivery of a reminder message on the local LYNXR keypad will continue. If the message has timed out the system will redial the programmed number a maximum of seven additional times or until it is acknowledged. Pressing any key on the LYNXR keypad will terminate (acknowledge) both the follow me reminder and the local reminder announcements.

Notes: (1) This feature is only supported if programmed in field *49.

(2) The follow me reminder will be terminated if any other event requires the system to dial out, or if an audible alarm has occurred, however, delivery of the local schedule reminder message will continue.

“Follow Me” System Announcement Feature

This feature allows the LYNXR to deliver a voice system message to the secondary phone number programmed by the installer. The LYNXR will first transmit reports to the Central Station and after receiving its kiss-off the system will dial the secondary phone number and begin transmitting the voice message. This message is a repeatable system status announcement. Like the Follow Me reminder, pressing any key on the answering telephone or the local LYNXR keypad will terminate (acknowledge) the message. The system will dial the secondary phone number a maximum of eight times. The Follow Me alarm functions may be triggered by a variety of events depending upon the selections made during programming in field *49.

Note: The follow me system announcement will be terminated if any other event requires the system to dial out or if an audible alarm has occurred.

Powerline Carrier Devices (e.g. X-10 devices)

If Powerline Carrier Devices are used, two keypad entries available to the user are included. They can manually activate or deactivate the device(s) for starting or stopping some action, such as turning lights on or off, etc.

These keypad entries are:

Security Code* + [#] + [4] + Device # activates (starts) that device.

Security Code* + [#] + [7] + Device # de-activates (stops) that device.

*Code is required for devices 7 and 8. Code is not required for devices 1-6.

Exit Error Alarm Displays

If programmed:

- **A display of “CA” and a zone indication** will appear if an exit or interior zone contained a fault during closing at the time the exit delay ended (e.g., exit door left open), **but the system was disarmed during the entry delay time.** The alarm sounder and keypad sound continuously, but stop when the system is disarmed. No message will be transmitted to the central station.
- **A display of “EA” and a zone indication** will appear if an exit or interior zone contained a fault during closing at the time the exit delay ended, **but the system was NOT disarmed during the entry delay time.** The alarm sounder and keypad sound continuously until the system is disarmed (or timeout occurs). An Exit Alarm message is sent to the central station.
- **The “EA” display, etc.** will also result if an alarm from an exit or interior zone occurs within two minutes after the end of an exit delay.

In any of the above cases, use a second OFF sequence (code plus OFF key) to clear the display.

System Operation

Trouble Conditions

The word “FAULT” on the keypad’s display, accompanied by a rapid “beeping” at the keypad, indicates that there is a trouble condition in the system. Pressing any key can silence the audible warning sound. Instruct users to call for service immediately upon seeing any of the following messages.

- **“Fault” and “Battery” Displays**
- **“FAULT” and one or more zone numbers** indicates that a problem exists with the displayed zone(s) and requires attention. After correcting the problem, the display can be cleared by entering the security code plus the OFF key twice.
- The fault condition may also be caused by some change in the environment that prevents the built-in receiver from receiving signals from a particular wireless sensor.
- **“LOW BAT” with no zone number** indicates that the system’s backup battery is weak.
- **“LOW BAT” with a zone number** and a once-per-45 seconds “beeping” at the keypad indicates that a low battery condition exists in the wireless sensor displayed (zone “00” indicates a wireless button/keypad). If the battery is not replaced within 30 days, a “FAULT” display may occur.
- **“Fault Zone 93”**, along with a flashing “AC” and a once per 45-seconds “beeping” at the keypad indicates a loss of AC power to the 5842 Wireless Dialer (if this feature is supported by the Wireless Dialer being installed).
- **“Fault Zone 93”**, along with a single beep indicates that setup information from the 5842 Wireless Dialer has not been properly received.

Power Failure

- **If there is no display at all, and both indicators are not lit**, operating power for the system has stopped and the system is inoperative.
- **If the display is lit and the AC display is off**, the system is operating on battery power only.
- **During an AC power loss**, the backlighting will turn off and the indicators will flicker slightly to minimize deep discharge of the battery.

Other Displays

dI = Busy-Standby: Displayed upon power-up. After approximately 1 minute* the green “READY” LED should light. If the “dI” remains displayed for more than 1 minute, the system is disabled.

*To bypass the 1-minute delay, press [#] + [0]. Important: Do not try to bypass 1 minute delay before “dI” is displayed!

CC = Modem Comm: The system is communicating with the central station for change of function or status verification.

FC = Comm. Failure: A communication failure has occurred. This message clears only when the system is subsequently armed.

90 = RF Jam: The system has detected an RF jamming condition or excessive interference.

93 = Wireless Dialer: Tamper (alarm or trouble), phone line cut, loss of supervision, low battery, or AC power loss*.

*If supported by the 5842 Wire Dialer that is installed.

PH = Speaker Phone Mode: The system is in Speaker Phone mode.

PC = Phone Control: The remote Phone Control feature is active.

“--” Displayed when entering programming mode if a 5842 Wireless Dialer is enabled.

Testing the System

Test Mode

After installation is completed, the security system should be carefully tested, as follows.

1. With the system in the disarmed state, check that all zones are intact. If the **READY** LED is not lit, press the [*] key to display the faulted zone(s). Restore faulted zone(s) if necessary, so that **READY** LED lights. Fault and restore every sensor individually to assure that it is being monitored by the system.
2. Enter the **security code** and press the **TEST** key. The outside sounder will sound for 1 second and all the LED segments on the keypad display light for 3 seconds. LYNX announces the zone's voice descriptor (if programmed) followed by 3 beeps, each time a contact is faulted. A test report should be transmitted (if programmed) to the central station immediately. If the backup battery is discharged or missing, the sounder may not turn on and a **LOW BATTERY** report will be transmitted with a **TEST** report. The keypad will beep once every 45 seconds as a reminder that the system is in the Test mode.
3. To turn off the Test mode enter **security code** and press the **OFF** key.

Notes: (1) Triggering a zone set to Arm AWAY, Arm STAY, or Disarm will take the system out of Test and cause that action.

(2) BR type transmitters do not display during Test mode (keypad beeps only)

(3) Macros cannot be run from the Test mode.

Armed System Test

Alarm messages will be sent to the central station during the following tests 1 and 2. Notify them in advance that tests will be in progress.

1. Arm the system and fault one or more zones. After 15 seconds (if optional dialer delay is selected), silence alarm sounder(s) by entering the **code** and pressing **OFF**. Check entry/exit delay zones.
2. Check the keypad-initiated alarms that are in the system by pressing the Panic key pairs. If the system has been programmed for audible emergency, the keypad will emit a steady alarm sound, and "**ALARM**" and **zone number** will be displayed. Silence the alarm by entering the **security code** and pressing **OFF**.
If the system has been programmed for silent emergency, there will be no audible alarms or displays, but a report will be sent to the central station.
3. If Powerline Carrier Devices have been installed, test their programmed action.
4. Notify the central station when all tests are finished, and verify results with them.
5. To test the wireless part of the system and the RF receiver, perform the two additional tests described in the *Installing Wireless Zones* section: Sniffer mode and Go/No Go Test.

Note: **System Test mode** (installer/master code + test) and **Go/No Go Test** (installer code + # + 8) will be **automatically terminated** after 3-1/2 to 4 hours if the installer or user does not manually terminate it. This ensures that fire and panic zones will not remain disabled. However, **Sniffer mode** (installer code + # + 3) **does not automatically expire. You must manually exit (Installer/User Code + OFF) Sniffer mode to return to normal operation.**

TO THE INSTALLER

Regular maintenance and inspection (at least annually) by the installer and frequent testing by the user are vital to continuous satisfactory operation of any alarm system.

The installer should assume the responsibility of developing and offering a regular maintenance program to the user as well as acquainting the user with the proper operation and limitations of the alarm system and its component parts. Recommendations must be included for a specific program of frequent testing (at least weekly) to ensure the system's proper operation at all times.