



KEYPAD LAYOUT

The keypad is the arming station for the STAR XL4600. Three different versions are available, a metal plate flush mounted version (XL-4600RM), a plastic cased surface mount version (XL-4600SM), and a LCD (liquid crystal display) version containing a two line readout. The keypad has the following appearance and contains the following items;

1) ZONE STATUS INDICATORS - displays the current zone status as follows;

ALARM	Fast blinking.
BYPASS	Slow blinking low intensity.
TROUBLE	Slow pulse
READY	Solid ON

2) **ARM/DISARM INDICATOR** - Shows whether the system is armed (ON) or disarmed (OFF).

3) **STAY** - shows the system has been armed with the Interior zones bypassed.

4) **INSTANT** - shows whether the system has been ARMED with all delay zones Instant.

5) **AC/LOW BATTERY** - shows whether the system is running on AC (ON) or backup battery (OFF).

6) **READY** indicates whether the system is ready for arming.

7) **NUMERICAL KEYPAD** operates in a similar manner to a calculator or telephone with the digits 0 - 9 and * # marked.

8) **DISPLAY AREA** - This section of the LCD keypad displays the current system status in this two line by sixteen character display.

Throughout this user's manual the following conventions are used to display the keystrokes required to perform the functions.

BYPASS	Key labeled BYPASS on keypad
INSTANT	Key labeled INSTANT on keypad
STAY	Key labeled STAY on keypad.
CODE	Key labeled CODE on keypad
[USER]	Four digit user code.



ARMING THE SYSTEM

ARMING

ARMING the system will activate all portions of your Security System. Arming can only be performed if all zones are **READY**. For example, if a protected door is open the system cannot be armed.

SYSTEM READY

The system is ready to be armed if the **READY** indicator light is ON. On LCD keypads the following display will appear:

SYSTEM READY

If the system is ready, **ARMING** can be performed as follows:

ARMING PROCEDURE:

1. Enter your four digit user code into the keypad: [USER]

The **ARMED** indicator light will now be lit and if you are leaving the home you may exit through a door designated by your Installer as an exit/entry zone for a fixed time period known as the exit delay.

NOTE: The system can be armed without the backup battery being connected.

SYSTEM NOT READY

If the system is not ready to be armed the **READY** indicator will be OFF. On LED based keypads the zone indicator lights will display the zones which are currently not ready. The condition of each zone indicator reflects what the status of each zone as follows;

ALARM Fast blinking.

BYPASS Slow blinking low intensity.

TROUBLE Slow pulse

NOT READY Solid ON

The LCD keypad will display zones which are not ready with a **SYSTEM NOT READY** message on the first line and the zone(s) that are not ready on the second line as shown below;

SYSTEM NOT READY

ZONE: 1 _ 3 __6

In the example above, zones 1 3 and 6 are not ready.

In order to make the system ready determine which zones are not ready by observing the zone indicator lights, or the display section of the LOD keypad. From the zone number you can find out which area of protection is not ready.

For example, assume the zone 3 is not ready. Typically this might mean that a protected door or window is open.

Once the problems with each zone have been resolved the READY light will appear and the system can be armed.

To ARM the system when the system is NOT READY one of the following actions are necessary;

- Make the zone(s) ready. Determine which zones are not ready and perform what is necessary to ready the zone(s) (example, close the door or window, etc.),or

-Bypass the one(s) not ready. Bypassing should only be performed if the zone cannot be made ready or intentionally will remain not ready. Remember. zones that are bypassed are not protected when the system is armed,



DISARMING

Disarming the security system will deactivate the burglary portions of the system.

This procedure can also be used to reset your system if you accidentally set off the system (example, opened a window while the system was armed, or excessive amount of smoke activated fire protection system).

DISARM PROCEDURE:

[USER]

Enter your user code.

IF NO ALARMS HAVE TAKEN PLACE

Upon disarming the ARMING indicator will go off.

The system display will reflect the current status. LCD keypads should display the SYSTEM READY display.

IF ALARMS HAVE TAKEN PLACE

If alarms or other conditions such as system troubles have taken place since the initial system arming, they will appear on the display. The conditions that have occurred appear in the zone display of the keypad. LCD keypads will reflect the current system status through the indicator lights as follows;

ALARM Fast blinking.

BYPASS Slow blinking low intensity.

TROUBLE Slow pulse

NOT READY Solid ON

Burglary alarms will be indicated with a **STEADY** sound through the keypad while **FIRE** alarms will generate a pulsing sound.

LCD keypads will show the alarm conditions with a display as follows:

ALARM

ZONE:1_3_5

The second line of the display will show the zones which are in alarm. In the example above, zones 1 3 and 5 are in alarm. After entry of your user code the display will contain the following display;

ALARM MEM

ZONE: 1 3 5

If an intrusion has taken place while you were away. do not enter until the location has been secured

To clear the display of the alarm or trouble conditions and silence the audible signal enter [USER] again.



STAY

The **STAY** mode is another way to **ARM** your system while you remain

In the location. The **STAY** mode will deactivate any interior protection

zones which means that you will be free to walk throughout your location

without activating the alarm system.

In order to enter the **STAY** mode, the system must be **READY**. (see previous descriptions.

STAY PROCEDURE:

STAY[USER]

Depress the **STAY** key followed by your user code.

After a successful **STAY** arming the **ARMED** indicator will be lit. In addition, on **LED** keypads the **STAY** indicator will be lit.

In LCD keypads the following display will appear;

ON:STAY

In the STAY mode only the external or perimeter burglary protection is active. You are free to walk around the residence without activating any of the Interior protection zones.

Remember, you must DISARM the system to when you want to leave the premises.

Note: The STAY option will automatically be reset after the system is disarmed.

INSTANT

The INSTANT mode arms the system and eliminates the entry time delay Interval. This mode could be used If anyone enters through an entry/exit zone the alarm system will Instantly activate.

The system must be ready to select the INSTANT option.

INSTANT PROCEDURE:

INSTANT[USER]

Depress the INSTANT key followed by your user code.

Upon successful INSTANT ARMING of the system the ARMED indicator' will be lit. In addition, on LED keypads the Instant indicator will be ON.

LCD keypads will contain the following message;

ON:INSTANT

Note: The INSTANT option will automatically be reset after the system is disarmed.

INSTANT - STAY

The INSTANT STAY mode will arm the system with the characteristics of both the INSTANT and STAY modes. The system will be armed with the interior portions bypassed and the entry delay will be suspended.

The system must be READY in order to enter this mode.

PROCEDURE:

INSTANT STAY [USER]

or

STAY INSTANT [USER]

Depress the INSTANT and STAY keys In any order followed by your user code.

After a successful INSTANT STAY arming, the ARMED indicator will be lit. In addition, on LED keypads both the INSTANT and STAY lights will be on.

LCD keypads will contain the following message;

ON:STAY INSTANT

BYPASS

Bypasses are performed to eliminate burglary zones that are not ready or faulty from activating the security system.

BYPASS PROCEDURE:

BYPASS [USER] ZN

Depress the BYPASS key followed by your user code and zone number (1 ~6) to be bypassed.

Example:

BYPASS [USER] 2 Will bypass zone 2.

If the zone has already been bypassed, the sequence will un-bypass the zone except if the system is armed and the un~bypassed zone is still not ready. Un~bypass means that the zone returns as an active burglary zone.

After the bypass (or un~bypass) command has been accepted the unit will emit a continuous beep and zone or zones that have been bypassed will appear in a slow blinking mode in the zone status area on LED keypads.

LCD keypads will display the zone bypasses with the zones bypassed on the second line of the display as shown below. The top line can contain either the SYSTEM READY or NOT READY message.

[SYSTEM READY]

BYP: 1_3_5

In this example, zones 1 3 and 5 have been bypassed.



UNBYPASS

The UNBYPASS function removes an existing bypass from a currently bypassed zone. After UNBYPASSING a zone, the bypass indication will be removed for that zone on either the LCD or LED keypad.

The procedure is similar to a bypass.

UNBYPASS PROCEDURE:

BYPASS [USER] ~ZN

See bypass description.

USER DEFINITION

Users can be entered or modified directly through the keypad. The STAR XL-4600 security system can have up to six different users. User ~#1 is known as the master user and is the only user allowed to modify other users.

USER DEFINITION PROCEDURE:

CODE [USER] [US #] [USERID]

where,

[USER] Is the master user code (four digits).

[US#] User number (1 -6)

[USID] Now user ID (0000 - 9999).

Note(*) If ambush code capability has been enabled by your installing company then user #6 will be used as the system ambush code.

Example,

To create user number 3, with a user access code of 4567 enter;

CODE [USER] 3 4567

Any error detected during the USER definition process will cause the keypad to beep rapidly four times. If an error is detected retry the entire command.

USER DELETION

Removal of users from the panel can be performed as follows;

USER DELETION PROCEDURE:

CODE [USER] (User #) Where:

[USER] Master user code

[User #] Represents the user number being deleted. (2-6). Note: User number 1 cannot be deleted.

is the # key from the keypad.

KEYPAD PANIC

A panic signal can be sent directly through the keypad by pressing the and #and* keys at the same time. This panic signal can be set up to be silent or audible by your Installing company. This panic signal is active 24 hours a day whether the system is armed or disarmed.

DURESS

The STAR XL-4600 system has capability to send an emergency signal

to the (Central Station) If you are forced to enter the promise. This ambush capability can be programmed by your installer. If active, then user code #6 will be your ambush code.

