

Model: MX2000/2500

HOME SECURITY

Easy-to-install, wireless home security system

OWNER'S MANUAL

MAGNAVOX

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Welcome to Magnavox Home Security!

Congratulations on the purchase of your Magnavox MX2000/2500 Home Security System. Your new Home Security Controller and accessories use the latest computer technology to detect and report an intrusion in your home.

Your Home Security System comes with Door/Window Sensors to protect selected doors or windows from intrusion. It also comes with a Lamp Unit that turns the lights on and off at your command.

If anyone breaks into your home, your home security system will sound a siren and make the lights flash. You can also program it to automatically call the professional monitoring service when an intrusion is detected. The monitoring service provides professional security monitoring and technical support 24 hours a day, seven days a week.

Best of all, you can operate your Home Security System from a distance using the Full-Function Remote. You can also turn lights on and off from a telephone outside your home.

This manual explains everything you need to know to install and operate your Home Security System.

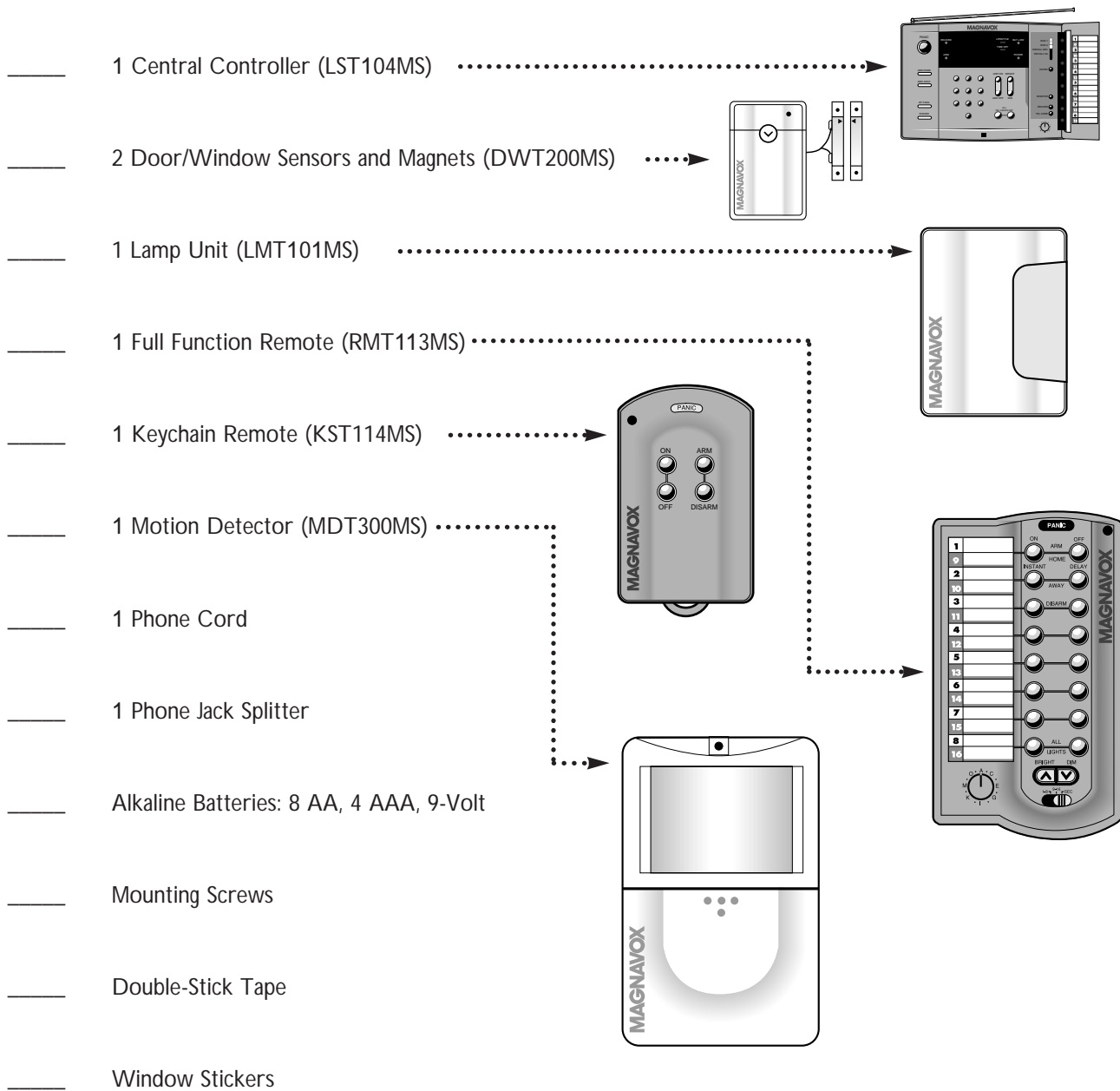
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**Any Questions?
Call 1-800-675-3082**

Verifying Supplied Parts

The MX2000/2500 Home Security System comes with the following parts. Make sure each part is supplied with your system by checking it off on the list below.



If you are missing any item listed above, call 1-800-675-3082.

Now you're ready to install and program your new Home Security System.

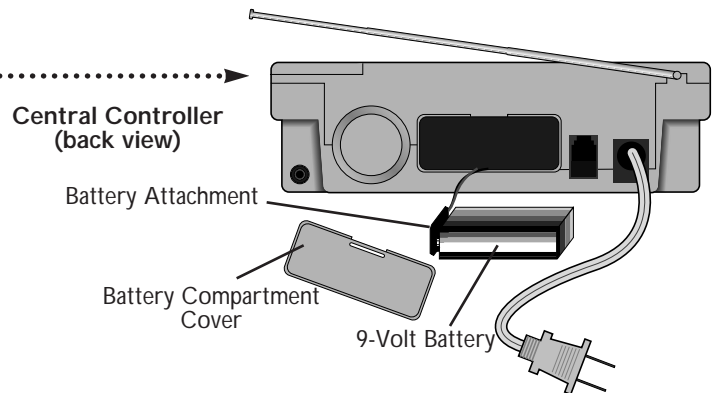
**Any Questions?
Call 1-800-675-3082**

Setting Up the Central Controller

Before setting up the Central Controller, choose the doors and windows you want to protect from intrusions. Select the lamps you want to turn on and off automatically. (You can purchase and install additional accessories such as Motion Detectors, Sirens, and Remotes.)

1. Insert a battery.

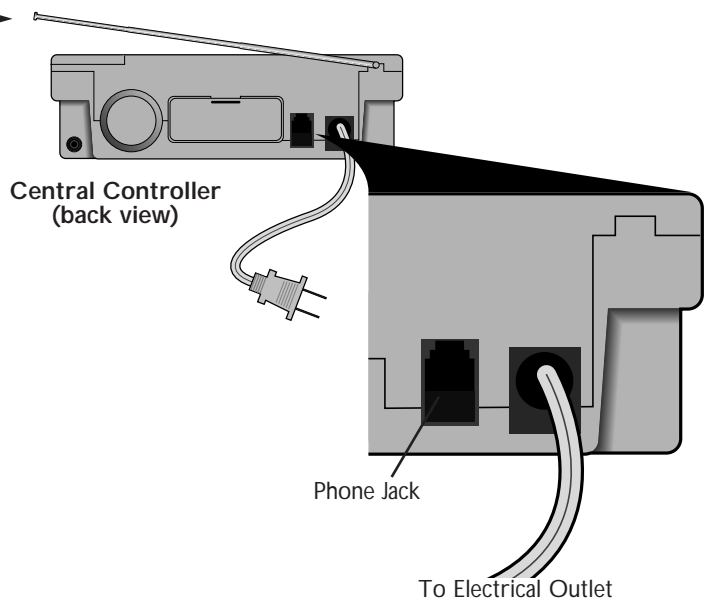
- Remove the battery compartment cover from the back of the Controller (near the antenna).
- Pull the battery attachment from the battery compartment.
- Connect the supplied 9-volt battery (+ and - sides aligned as indicated) to the battery attachment.
- Insert the attached 9-volt battery into the battery compartment.
- Replace the battery compartment cover.



2. Connect the Controller to a telephone.

- Plug the phone jack splitter into a wall phone jack.
- Plug one end of the supplied phone cord into the jack on the back of the Controller. Plug the other end of the cord into one of the jacks on the jack splitter.
- Connect your phone to the jack splitter. Or, if you have an answering machine, connect the answering machine's phone cord to the splitter.

This setup allows you to turn the lights on and off using a phone outside your home. (This phone connection also allows you to program your security system to immediately alert the professional monitoring service when an intrusion is detected.)



3. Plug the unit into a standard AC outlet.

4. Extend the Controller's antenna.

(continued on next page)

**Any Questions?
Call 1-800-675-3082**

Setting Up the Central Controller (continued)

5. Set the House Code Dial.

- a. Open the door on the Controller.
- b. Locate the lettered House Code Dial on the Controller.
- c. Each of these letters represents different settings by which your system can operate your AC controlled devices. If you live in a house, leave the dial on A. If you live in an apartment or condominium, you may want to select another letter to avoid interference from other systems.
- d. Use a flathead screwdriver to change House Code settings.

6. Select a Personal Identification Number (PIN).

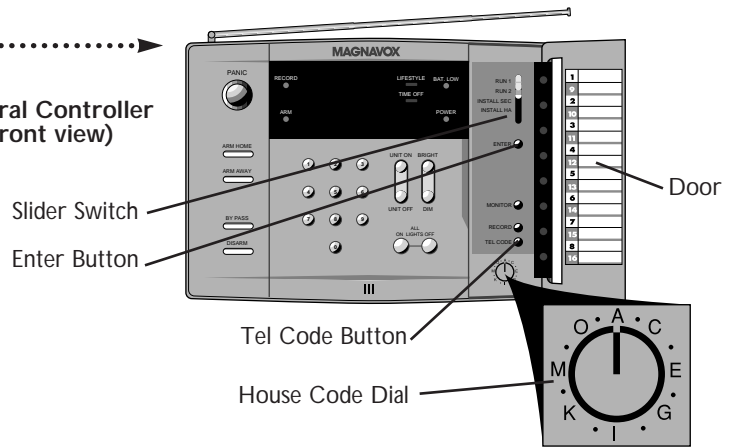
Your PIN allows you to DISARM your security system and access your Central Controller from an outside telephone to control your lighting.

- a. Set the Controller's Slider Switch, located under the door, to INSTALL HA (Home Automation).
- b. Press the TEL CODE (Telephone Code) button.
- c. Use the numbered keypad to enter a 3-digit PIN of your choice.
- d. Press the ENTER button. The Central Controller will chime twice to confirm it has accepted the PIN.
- e. Write your PIN below for future reference.

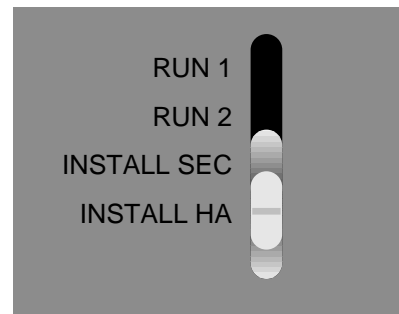
Note: You cannot select a PIN when your home security system is armed or when the alarm is triggered (either by a security breach or by the PANIC button).

Note: Any time a button is pressed on the Central Controller, the RECORD light flashes.

Central Controller (front view)



Slider Switch

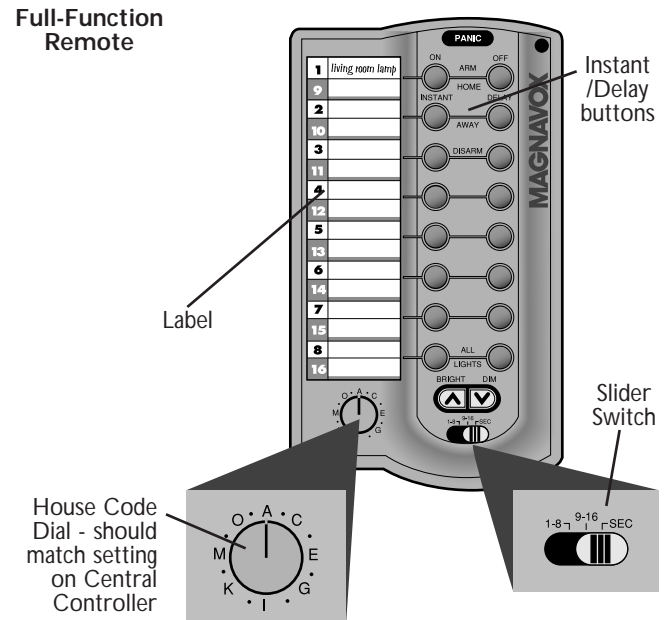
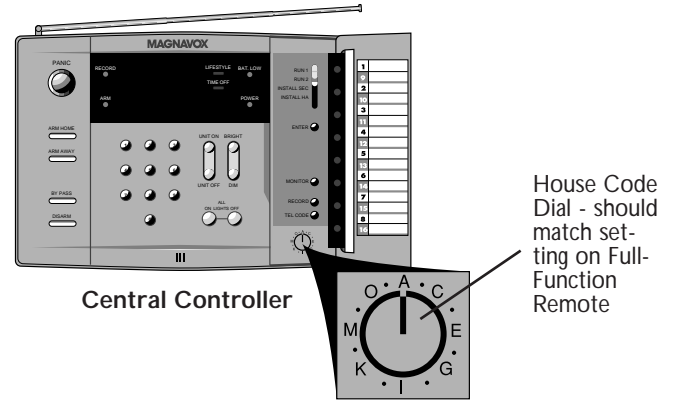


Setting Up the Remotes (Key Chain Remote Optional)

This section explains how to set up the Full-Function and Keychain Remotes to control lamps and arm or disarm your Home Security System.

Let's start by setting up the Full-Function Remote.

1. **Insert the batteries.**
 - a. Remove the battery compartment cover on the back of the Remote.
 - b. Insert four AAA batteries (+ and - sides aligned as indicated).
 - c. Replace the cover.
2. **Set the House Code Dial.**
 - a. Locate the lettered House Code Dial.
 - b. Set the House Code Dial to the same letter as the dial on the Central Controller.
3. **Install the Remote.**
 - a. Set the Remote's Slider Switch to SEC.
 - b. Set the Controller's Slider Switch to INSTALL SEC.
 - c. Press and hold the ARM INSTANT button on the Full-Function Remote. The Remote's green light flashes; the Controller chimes once.
 - d. Return the Controller's Slider Switch to RUN 1.



Now let's install the Keychain Remote (MX2500).

1. **Insert the batteries.**
 - a. Remove the battery compartment cover on the back of the Keychain Remote.
 - b. Insert two AAA batteries (+ and - sides aligned as indicated).
 - c. Replace the cover.
2. **Install the Remote.**
 - a. Set the Controller's Slider Switch to INSTALL SEC.
 - b. Press and hold the Keychain Remote's ARM button. The Remote's green light flashes; the Controller chimes once.
 - c. Return the Controller's Slider Switch to RUN 1.

Keychain Remote (MX2500 Only)



SMART TIP

Remote Slider Switch

Your Full-Function Remote has a slider switch at the bottom which allows it to control both the lights/appliances of your home and the security functions of your system:

LEFT POSITION: Lamps 1-8
 MIDDLE POSITION: Lamps 9-16
 RIGHT POSITION: SEC(urity) Functions
 (Written in Gray)

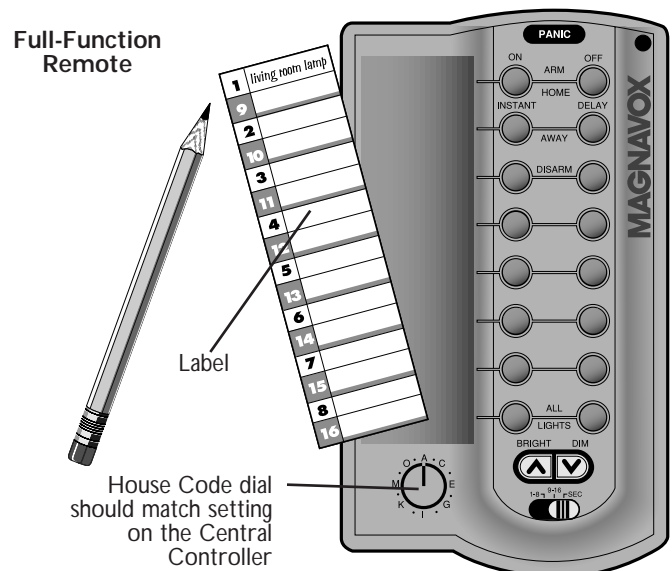
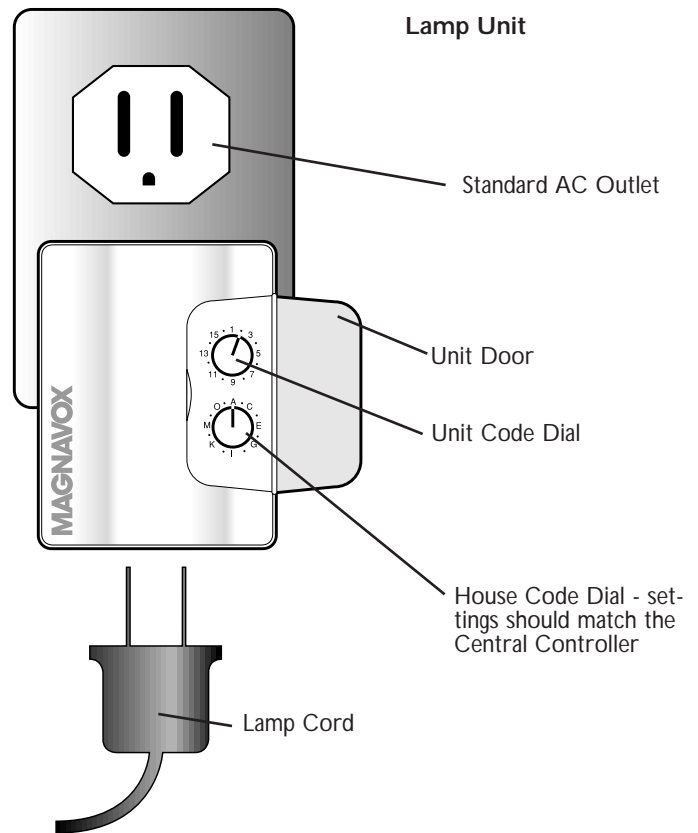
Setting Up the Lamp Unit

This feature allows you to turn lamps on and off from the Central Controller, the Full-Function Remote, the Keychain Remote, and even an outside telephone! Are you worried about coming home to a dark house? Just call your Home Security System before leaving the office, or press a few buttons on the Keychain Remote as you're driving into the garage.

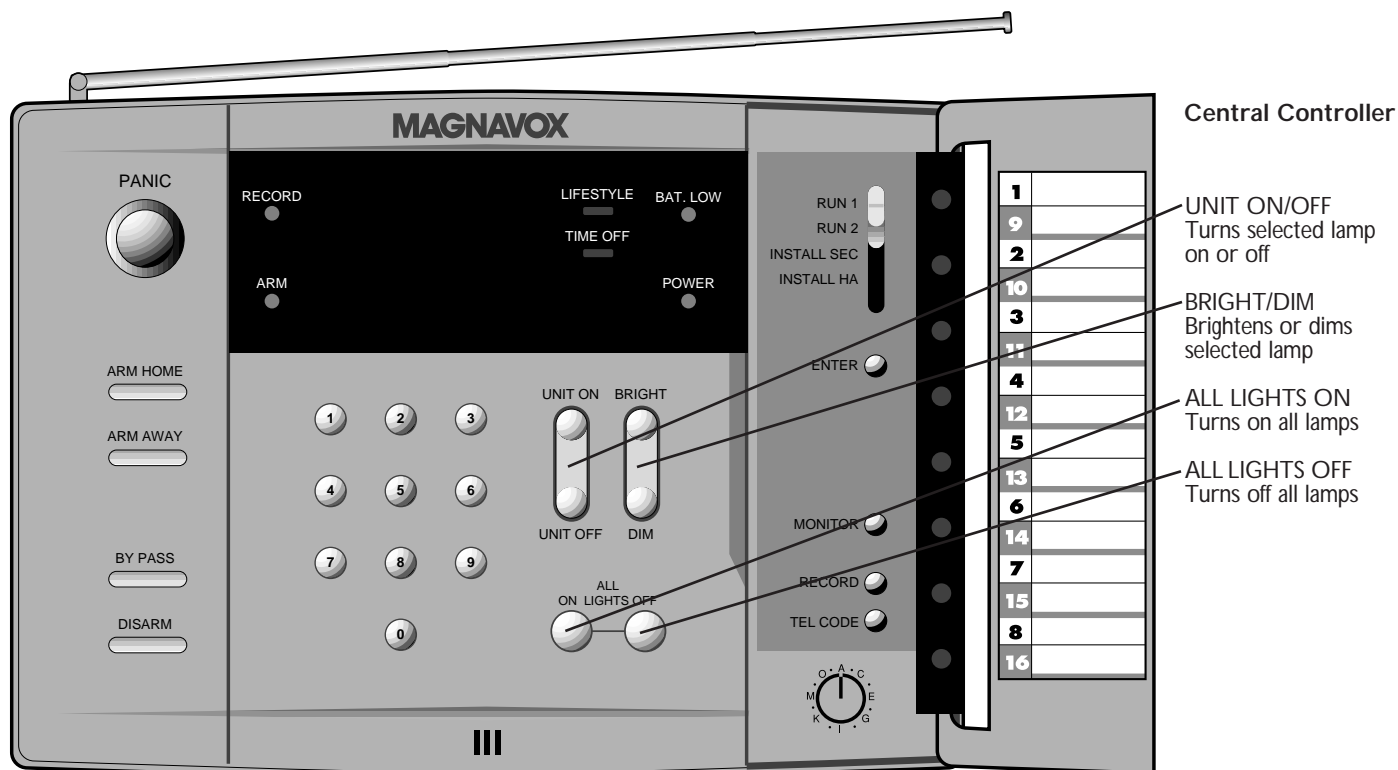
Your Magnavox Home Security System comes with one Lamp Unit (Additional Lamp Units and other accessories are available, refer to page 20, "Expanding Your System"). Refer to the "Important Notices" section on page 29 before installing your Lamp Unit.

Caution: Only use incandescent lamps with this system.

1. **Open the door on your Lamp Unit.**
2. **Set the House Code Dial.**
 - a. Locate the lettered House Code Dial.
 - b. Set the House Code Dial to the same letter as the House Code Dial on the Central Controller using a flathead screwdriver.
3. **Set the Unit Code Dial.**
 - a. Locate the numbered Unit Code Dial. Unit numbers 1-16 can be assigned to control up to 16 different accessories (lamps, appliances, and sirens). The unit numbers you assign correspond with the numbers on the Full-Function Remote and the Central Controller. For example, the unit whose dial is set to 1 will be controlled by the number 1 on the Remote.
 - b. Select the unit number for the lamp you are installing.
4. **Close the door on the unit.**
5. **Attach the unit to a lamp.**
 - a. Unplug the selected lamp.
 - b. Plug the lamp into the Lamp Unit.
 - c. Plug the Lamp Unit into a standard AC outlet.
 - d. Turn the lamp on manually.
6. **Write down the unit number.**
 - a. Remove the plastic that covers the label on the front of the Remote.
 - b. Peel the cellophane from the plastic cover.
 - c. Write the locations of the installed units next to the corresponding numbers on the Remote.
 - d. Replace the label and the plastic cover.



Setting Up the Lamp Unit (continued)



8. Test the unit.

- Set the Controller's Slider Switch to RUN 1.
- Use the numbered keypad to select the desired lamp.
- Press the UNIT ON button. The selected lamp will turn on.
- Use the numbered keypad to select a lamp that is already on.
- Press BRIGHT or DIM to brighten or dim the selected lamp.
- Use the numbered keypad to select a lamp that is already on.
- Press the UNIT OFF button. The selected lamp will turn off.
- Press the ALL LIGHTS ON button. All lamps attached to the Lamp Units will turn on.
- Press the ALL LIGHTS OFF button. All lamps attached to the Lamp Units will turn off.

SMART TIP

Lamp and Appliance Modules

Your Magnavox Security System can only control lamps and appliances when the switches on the lamps and appliances are in the "ON" position.

When you want to turn them on or off, use the Remotes or the Central Controller, not the switch on the lamp or appliance.

Setting Up the Door/Window Sensors

Your Door/Window Sensors communicate with the Central Controller when an intrusion is detected. To ensure proper operation of your system, each Sensor sends a signal to the Controller on a regular basis. Your system also lets you know when batteries need to be replaced. These features ensure maximum security protection.

Important! Install each Door/Window Sensor one at a time. Make sure to rubberband the magnets together with the arrows facing each other before you insert the batteries for that sensor. **DO NOT** put batteries into a Door/Window Sensor until you are ready to install that particular Sensor. Failure to follow these instructions may result in false security zones. If you accidentally separate the magnets while you are installing the Sensor, or if you insert the batteries into all the Door/Window Sensors at the same time, follow these steps to start over:

1. Remove batteries from all Door/Window Sensors.
2. Press the TEST button on each Door/Window Sensor.
3. Set the Controller's Slider Switch to INSTALL SEC, then press the TEL CODE and MONITOR buttons at the same time.
4. Follow the steps below to re-install all Sensors:

Now let's set up the Door/Window Sensors.

1. Attach ONE Door/Window Sensor.

- a. Attach the Sensor to the wall using the supplied double-sided tape or screws.
- b. Remove the backing of the double-sided tape on the Sensor's magnets.
- c. Attach the magnets no more than 3/8" apart with the arrows facing each other:

Place the free-standing magnet on the sliding or opening part of the window. Place the magnet attached to the Door/Window Sensor on the frame of the window or door (adjacent to the free-standing magnet).

Note: Try to match up the arrows on the magnets as closely as possible. When the frame of the door or the window is not flush with the window, Figures A & B show different ways the magnets can be positioned. The actual arrows do not have to be pointed at each other. However as Figure A shows, the "plane" that the arrows are in have to line up.

2. Insert batteries into ONE Door/Window Sensor.

- a. Remove the battery compartment cover from the front of the Sensor.
- b. Insert two AA batteries (+ and - sides aligned as indicated).

3. Set the Delay Switch.

- a. Locate the Delay Switch on the Sensor.
- b. Select MAX(imum) or MIN(imum) to determine when the Siren will sound after a security breach. Selecting MIN causes the siren to sound instantly upon security breach; MAX allows 30 seconds for entering and 60 seconds for exiting before sounding the Siren. You may want to select MAX for doors and MIN for windows.

(continued on next page)

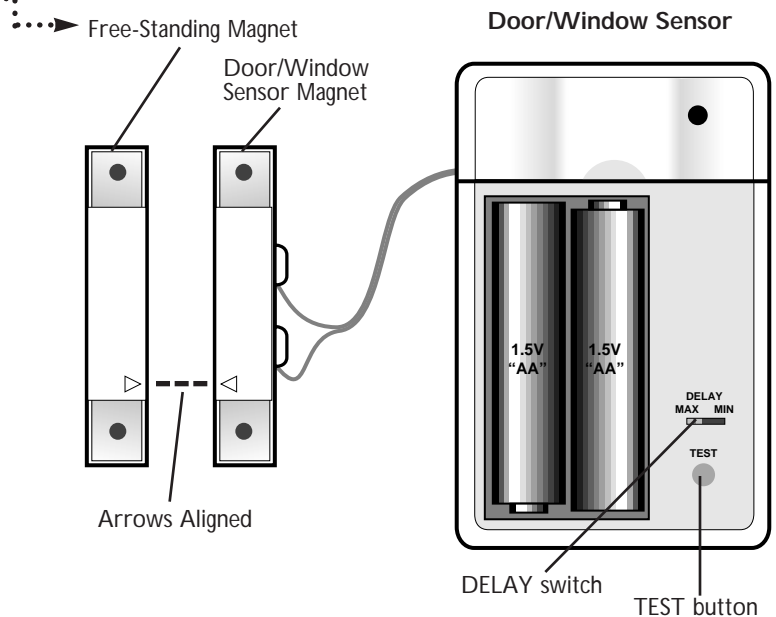


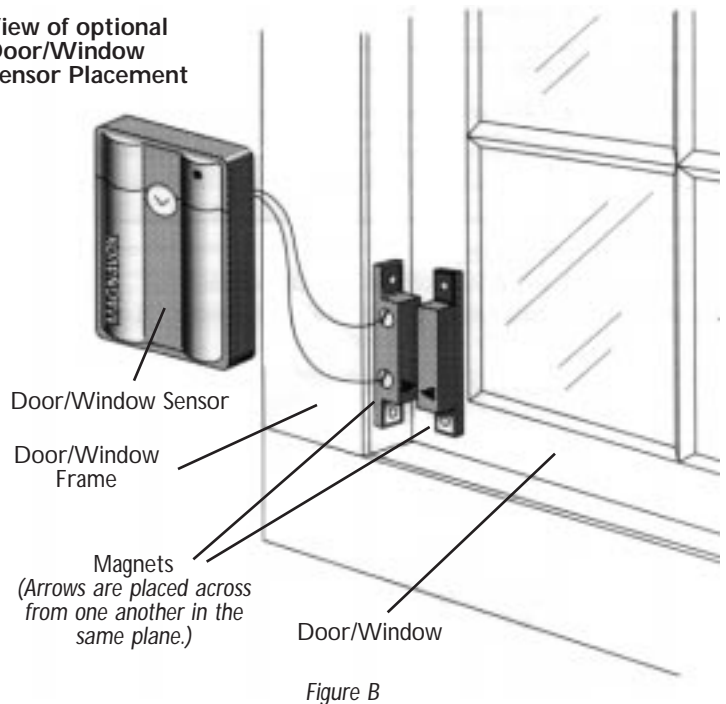
Figure A

**Any Questions?
Call 1-800-675-3082**

Setting Up the Door/Window Sensors (continued)

4. **Program the Door/Window Sensor.**
 - a. Open the door on the Central Controller and set the Slider Switch to INSTALL SEC.
 - b. Press and hold the Sensor's TEST button until the green light flashes and the Controller chimes once. A Zone Indicator light will appear next to the number 1 on the inside label of the Controller's door. This means that the sensor you installed has been designated as security zone 1 by your system. If installing more than 8 Door/Window Sensors, press the BYPASS button to view Zone Indicator lights 9-16.
 - c. Return the Controller's Slider Switch to RUN 1.
 - d. Write the location of the Sensor on the inside door of the Controller next to the assigned security zone number.
 - e. Replace the Sensor's battery compartment cover.
 - f. Repeat steps 1-4 to install each additional sensor. The next available zone number will be assigned to each Sensor you install.
5. **Slide the Central Controller's Slider Switch to RUN 1 or RUN 2.**

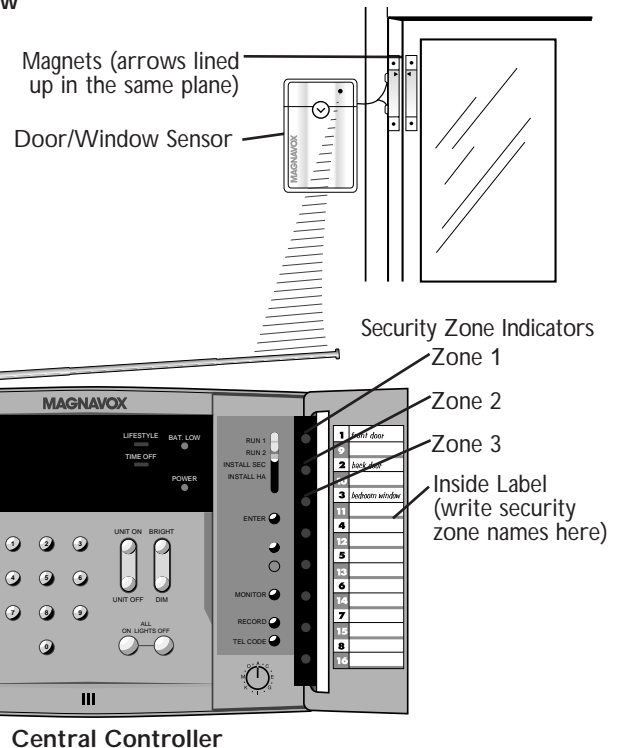
View of optional Door/Window Sensor Placement



SMART TIP
Creating Magnet "Spacers"

If your magnets are more than 3/8" apart you may need to add a plastic or wood spacer below each magnet to get them closer together. When mounting sensors on a metal frame, the frame can interfere with the signal transmission. Adding a spacer can eliminate interference.

Programming Door/Window Sensor



SMART TIP
Using Extra Magnet Sets

In many homes, two adjacent windows can be protected with one sensor. See page 22 for details on wiring extra sets of magnets. (Optional accessory, refer to "Expanding Your System" on page 20.)

**Any Questions?
 Call 1-800-675-3082**

Setting Up a Motion Detector

Your Motion Detector will detect intrusion and report back to the Central Controller if there is a security breach. In order to ensure your Motion Detector is operating correctly, it has been designed to send a status signal back to the Central Controller on a regular basis. In this way, your system will let you know when your batteries in your Motion Detector need replacing, ensuring maximum security protection.

As a result, it is important to install the Door/Window Sensors and Motion Detectors one at a time. **DO NOT** put batteries into a Motion Detector until you are ready to install it. Failure to follow this may result in false security zones being set up. In the event you accidentally insert all batteries at the same time, follow the following steps to start over:

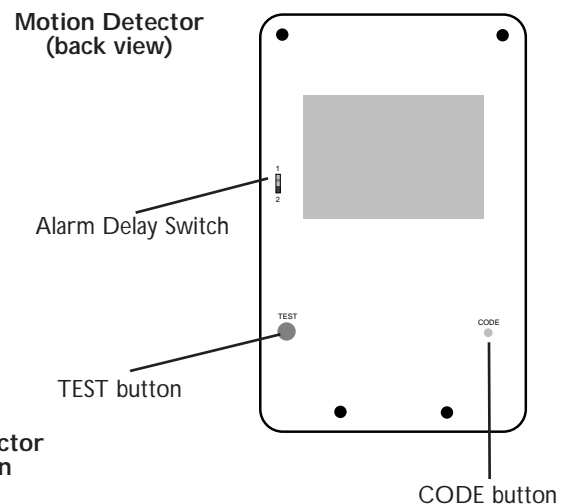
1. Remove all batteries from your Motion Detector.
2. Press the TEST button on the Motion Detector.
3. Set the Slider Selector Switch on the Central Controller to INSTALL SEC.
4. Press the TEL CODE and MONITOR buttons at the same time.
5. Follow the steps below, being careful not to put batteries into the Motion Detector until you are ready to install it.

1. Insert the batteries.....

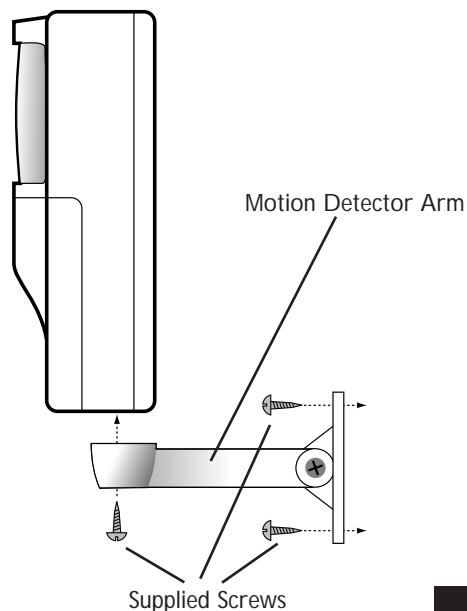
- a. Remove the battery compartment cover on the Motion Detector.
- b. Insert four AA batteries with their polarities (+ and - sides) aligned as indicated on the inside of the battery compartment.
- c. Replace the cover.

2. Place the unit.....

- a. The Motion Detector will detect motion up to 40 feet away. In deciding where to place it, keep in mind:
 - Avoid placing the Motion Detector near a heating/cooling vent, fireplace, TV, or other heat-generating object.
 - The Motion Detector is triggered when a heat-generating object passes across the Motion Detector.
- b. To test your Motion Detector placement:
 1. Press and hold the TEST button for one second, then release it.
 2. Walk into the area you are trying to secure.
 3. If the Motion Detector's light "blinks," it has detected you.
 4. If it does not blink, reposition the Motion Detector and repeat steps 2 & 3.
 5. When you are satisfied with Motion Detector placement and coverage, press and release the TEST button.
- c. Leave the Motion Detector free-standing, or use the supplied Motion Detector Arm and screws to attach the Motion Detector to a wall.



Motion Detector Installation

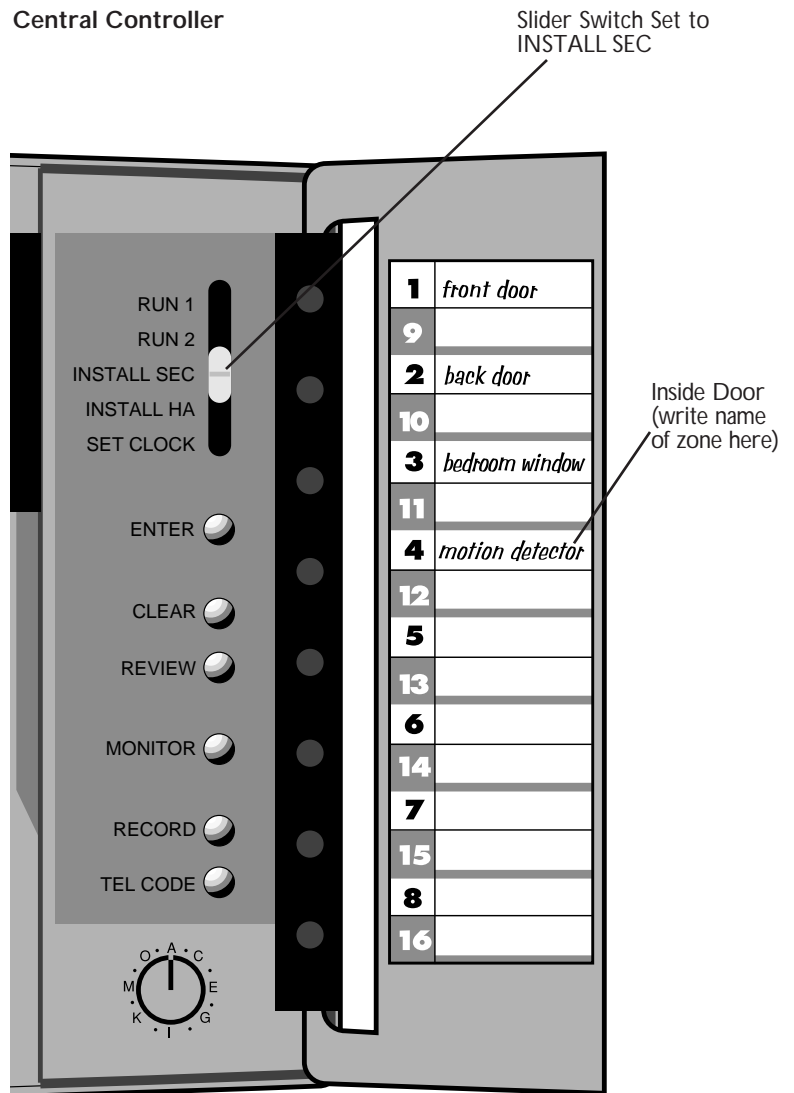


**Any Questions?
Call 1-800-675-3082**

Setting Up a Motion Detector (continued)

3. Program the Motion Detector.

- a. Open the door on the Central Controller.
- b. Slide the Slider Switch to INSTALL SEC.
- c. Use a ball-point pen to press the CODE button on the back of the Motion Detector. This will assign a random security zone code for your Motion Detector. This code allows the Central Controller to differentiate the Motion Detector from additional Motion Detectors you may purchase later.
- d. Press the TEST button on the back of the Motion Detector until the Central Controller beeps. A Zone Indicator Light will appear on the Central Controller near a number on the inside door. That means the Motion Detector you just installed has been designated as that particular zone by your Home Security System. (For example, if a Zone Indicator Light appears by the number 4 on the inside of the Central Controller's door, the Motion Detector has been installed as zone 4.) If you wish, you may write the name or location of this Motion Detector by the number on the door of the Central Controller.
- e. Slide the switch on the back of the Motion Detector to 1 or 2. If you select 1, the system's alarm will sound immediately when the Motion Detector detects movement. If you select 2, when the Motion Detector detects movement, it will wait a few seconds and try to sense additional movement. If it detects movement a second time, it will sound the system's alarm.



**Any Questions?
Call 1-800-675-3082**

Setting Up Professional Monitoring Service

Monitoring is the most important aspect of home security and maximizes the use of your system. Your new Home Security System has a feature that can be programmed to connect the professional monitoring service when an intrusion is detected. For a small monthly fee, the professional monitoring service will monitor your system 24 hours a day, every day of the year. When security is breached, your Central Controller will automatically send a digital alarm signal to the central monitoring station. An Alarm Monitoring Agent will immediately call your home to verify the status of the alarm. The Monitoring Agent will then dispatch help by providing directions to your home, as well as the exact location of the break in. The Monitoring Agent can also be designated to call you at work, on a pager, on a cellular phone, or at a neighbor's.

To activate the monitoring service, call 1-800-825-1694. A monitoring agreement will be mailed or faxed to you.

1. Programming the System for Monitoring.

- a. Set the Controller's Slider Switch to RUN 1.
- b. Pick up your telephone's handset.
- c. Call 1-800-675-3082 to be connected with the central monitoring station.
- d. Follow the programming instructions provided by a Customer Support Representative.

2. Testing the System.

- a. Make sure the Controller's Slider Switch is set to RUN 1.
- b. Call 1-800-675-3082 to notify an Alarm Monitoring Agent that you will be testing the system.
- c. Press ARM HOME. The Central Controller will chime once and the ARM light will come on.
- d. Open a secured door or window.
 - The siren will sound.
 - All lights connected to Lamp Units will flash.
 - The system will automatically call the central monitoring station.
 - Wait 30 seconds.
- e. Disarm the system.
 - Enter your 3-digit PIN using the Controller's numbered keypad.
 - Press the DISARM button.
- f. The central monitoring station will call within two minutes to confirm the test.
- g. Call 1-800-675-3082 if the central monitoring station has not called within two minutes.



SMART TIP

Flashing Record Light

A flashing record light indicates your Central Controller cannot dial out to the monitoring station. Connect your Central Controller to a phone jack and call 1-800-675-3082 for assistance.

**Any Questions?
Call 1-800-675-3082**

Arming and Disarming the System

This section explains how to arm and disarm your new MX2000/2500. When the system is armed and security is breached, the siren sounds and lamps attached to Lamp Units flash for four minutes. If a monitoring system is not disarmed, it automatically calls the professional monitoring service to report an intrusion. The system then re-arms, all lights remain on, and the Controller's ARM light flashes. Also, a zone light on the Controller will indicate which zone was breached.

Your Home Security System can be armed and disarmed using the Central Controller, the Full-Function Remote, and the Keychain Remote. There are also different modes in which your system can be armed. The two primary modes are HOME and AWAY:

ARM HOME: Arms all Door/Window Sensors *but disables* the Motion Detector(s) (optional accessory). This allows you to move inside your home without setting off the alarm.

ARM AWAY: Arms all Door/Window Sensors *and* Motion Detectors (optional accessory). The Full-Function Remote provides two additional settings in the HOME or AWAY mode:

INSTANT: Arms system immediately.

DELAY: Arms system after a 60 second exit delay; allows 30 seconds to disarm the system when entering your home.

Before arming and disarming your system, you must select a RUN setting. Select either RUN 1 or RUN 2.

RUN 1: When unarmed, the system does not chime when a secured door or window is opened.

RUN 2: When unarmed, the system will chime twice every time a secured door or window is opened.

USING THE CENTRAL CONTROLLER

Arming the System:

1. Make sure the Controller's Slider Switch is set to RUN 1 or RUN 2.
2. Press ARM HOME or ARM AWAY.

Note: see illustration on the next page.

HOME: The system instantly arms all Door/Window Sensors. The Controller chimes once, and the ARM light comes on.

AWAY: The Controller chimes for 60 seconds before the system becomes fully armed. Also, a 30-second delay allows you to disarm the system when entering your home.

If the Central Controller chimes continually in two tones, one or more of the security zones is either open or is failing to check in. To locate the problem, look at the Zone Indicator Light on the Central Controller. The zone(s) which are not secured will:

1. Stay lit if the door/window is open.
 - To correct the situation, close the door/window.
2. Flash slowly if the Door/Window Sensor is failing to check in.
 - Replace the batteries in the Door/Window Sensor.

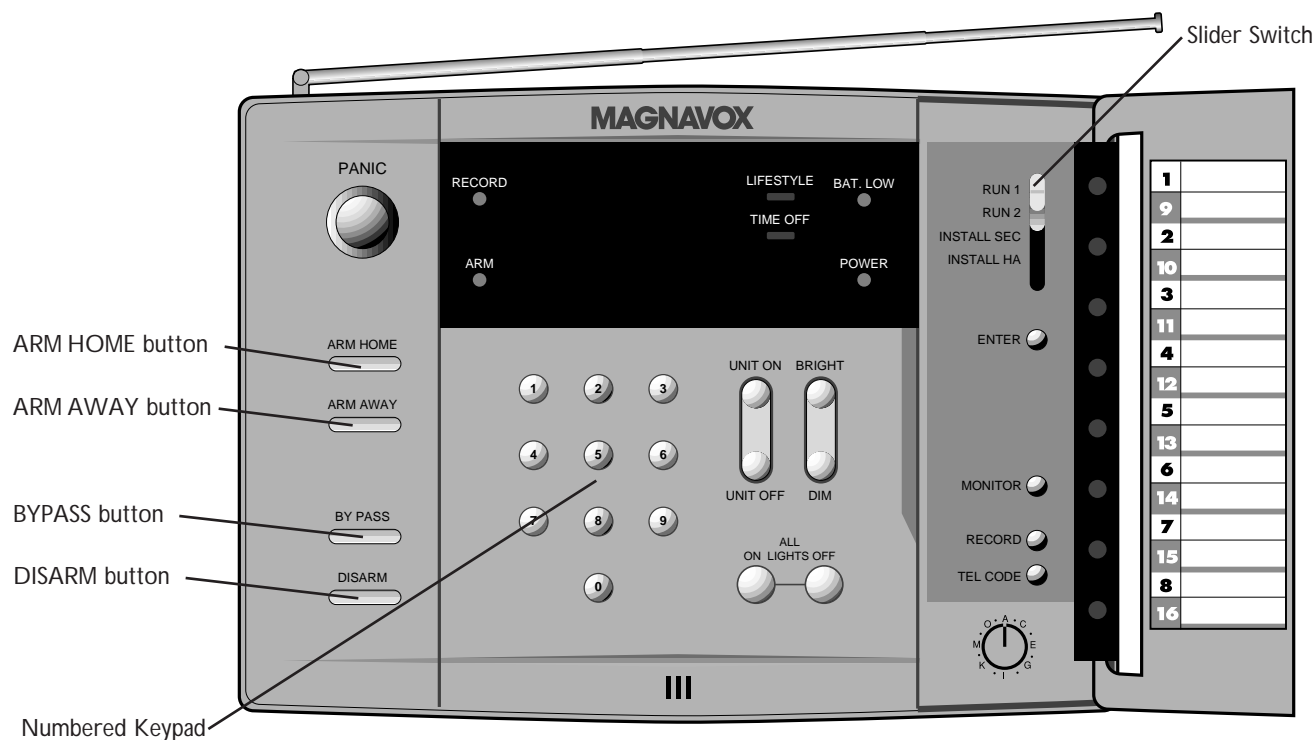
**Any Questions?
Call 1-800-675-3082**

Arming and Disarming the System (continued)

Disarming the System:

1. Enter your 3-digit PIN.
2. Press DISARM; the Controller chimes twice.

Arming and Disarming System with Central Controller



Arming the System with the Central Controller

1. Select the desired RUN mode.
2. Press ARM HOME to arm just the Door/Window Sensors. Press ARM AWAY to arm the Door/Window Sensors and the Motion Detector, if you have one.

Disarming the System with the Central Controller

1. Enter your 3-digit PIN number.
2. Press the DISARM button.

**Any Questions?
Call 1-800-675-3082**

Arming and Disarming the System (continued)

USING THE FULL-FUNCTION REMOTE

Arming the System:

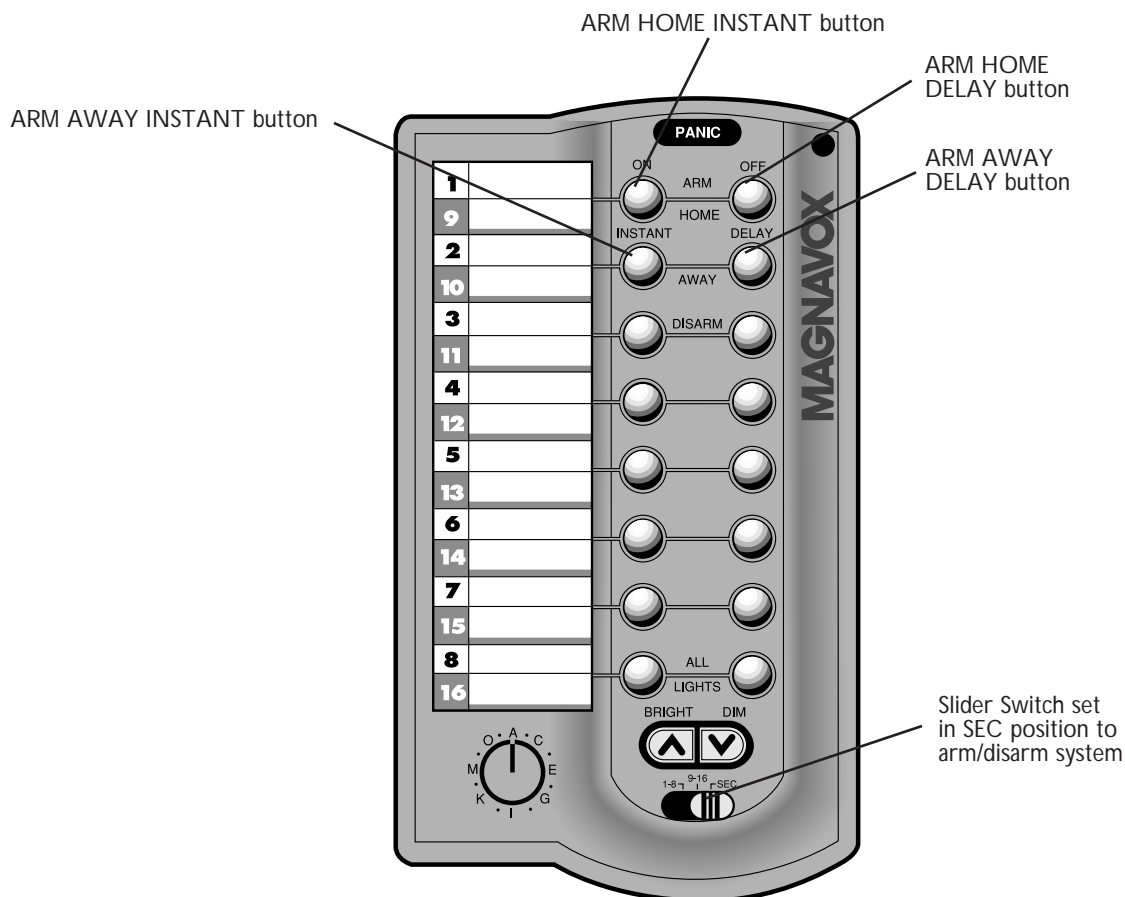
1. Set the Controller's Slider Switch to RUN 1 or RUN 2.
2. Make sure you are within 40 feet of the Central Controller.
3. Set the Remote's Slider Switch to SEC.
4. Press HOME/INSTANT, HOME/DELAY, AWAY/INSTANT, or AWAY/DELAY. The green light on the Remote flashes, the Controller chimes once, and the Controller's ARM light comes on.

Disarming the System:

1. Make sure you are within 40 feet of the Central Controller.
2. Set the Remote's Slider Switch to SEC.
3. Press one of the DISARM buttons. The green light on the Remote flashes and the Controller chimes twice.
4. Check the Controller's ARM light to make sure the system is disarmed.

Note: When an alarm is triggered, the Controller's ARM light will continue to flash after the system has been disarmed with the Full-Function Remote. To clear the ARM light, enter your 3-digit PIN and press DISARM on the Controller.

Full-Function Remote



**Any Questions?
Call 1-800-675-3082**

Arming and Disarming the System (continued)

USING THE KEYCHAIN REMOTE (MX2500 Only)

The Keychain Remote always arms the system in the ARM AWAY/INSTANT mode. When using the ARM AWAY/INSTANT mode, avoid tripping an alarm by arming and disarming the system outside your home.

Arming the System:

1. Make sure the Controller's Slider Switch is set to RUN 1 or RUN 2.
2. Exit your home. (You must be within 40 feet of the Controller.)
3. Press the Remote's ARM button. The green light on the Remote flashes.

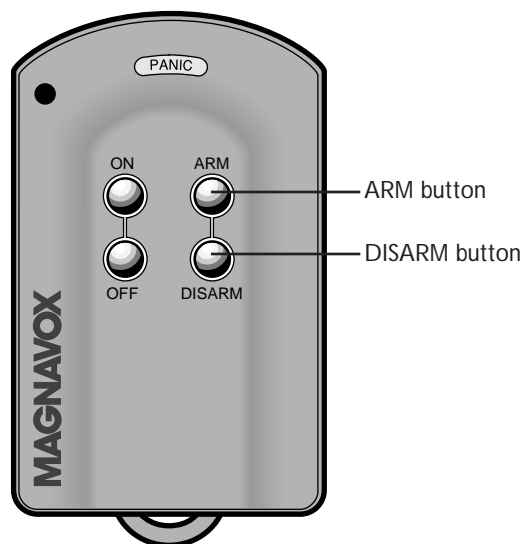
Disarming the System:

1. Press the DISARM button on the Remote.
2. Check the Controller's ARM light to make sure the system is disarmed.

Note: When an alarm is triggered, the Controller's ARM light will continue to flash after the system has been disarmed with the Keychain Remote. To clear the ARM light, enter your 3-digit PIN and press the DISARM button on the Controller.

Now you know how to arm and disarm your MX2000/2500 using the Central Controller, the Full-Function Remote, and the Keychain Remote.

Keychain Remote (Optional)



Any Questions?
Call 1-800-675-3082

Turning Lamps On and Off

You can turn all lamps attached to the Lamp Unit on and off from the Central Controller or the Full-Function Remote. The Keychain Remote will turn lamps(s) set to unit code 1 on or off. You can also call your Home Security System from any outside phone to control lamps.

Turning lamps on and off with the Central Controller

1. Set the Controller's Slider Switch to RUN 1 or RUN 2.
2. Use the numbered keypad to select the number of a lamp that is off.
3. Press the UNIT ON button. The selected lamp turns on.
4. Press the number of a lamp that is on.
5. Press and hold the BRIGHT or DIM buttons to brighten or dim the light. Only one light can be brightened or dimmed at a time.
6. Press the number of a lamp that is on.
7. Press the UNIT OFF button. The selected lamp will turn off.
8. Press the ALL LIGHTS ON button. All lamps attached to Lamp Units will turn on.
9. Press and hold the ALL LIGHTS OFF button. All lamps currently on will turn off.

Turning lamps on and off with the Full-Function Remote

1. Choose the correct Slider Switch position.
 - Set the Remote's Slider Switch to 1-8 to control lamps set to numbers 1-8.
 - Set the Remote's Slider Switch to 9-16 to control lamps set to numbers 9-16.
 - Set the Remote's Slider Switch to SEC to control all of the lamps simultaneously.
2. Press the appropriate ON/OFF button.

Note: You can use the BRIGHT/DIM buttons on the Full-Function Remote just as you did on the Central Controller. To use the ALL LIGHTS ON/OFF buttons, the Slider Switch must be set to SEC.

Turning a lamp(s) on and off with the Keychain Remote

1. Press the ON button, Lamp(s) set to unit number 1 will turn on.
2. Press the OFF button, Lamp(s) set to unit number 1 will turn off.

**Any Questions?
Call 1-800-675-3082**

Advanced Operations

PANIC Feature:

With the Panic feature, you can instantly trigger an alarm even when your system is unarmed. Activating a Panic alarm will cause the siren to sound and will make the lights flash four minutes. A monitored system will automatically call the professional monitoring service to report an emergency in your home.

To use the Panic feature:

1. Press the PANIC button on the Central Controller, the Full-Function Remote, or the Keychain Remote. (When using the remotes, hold the PANIC button for 2 seconds.)
2. To disarm:
Central Controller: Enter your PIN and press DISARM.
Remote Controls: Press DISARM.

Remote Phone Control

Your Magnavox MX2000/2500 Home Security System allows you to call your Controller from anywhere outside of your home. Use a touch-tone phone to turn lamps on/off.

Note: You can not use this feature with Call Forwarding or Voice Messaging service.

1. Call home using a touch-tone phone.
2. In approximately 30 seconds, the Central Controller will answer the phone and beep three times. If you own an answering machine, wait until the outgoing message and beep are finished.
3. Enter your 3-digit PIN and wait for three beeps to confirm acceptance of your PIN.
4. Enter the number of the lamp you want to turn on or off using the telephone keypad. For example, to select unit number 1, press 1; to select unit number 13, press 1, then 3. Or, if you want to turn all of the lamps on or off, press 0.
5. Select one of the following options:
 - a. Press the * button to turn the selected lamp on. The system beeps three times.
 - b. Press the # button to turn the selected lamp off. The system beeps twice.
6. Repeat steps 4-5 for additional lamps.
7. Hang up the phone.

**Any Questions?
Call 1-800-675-3082**

EXPANDING YOUR SYSTEM

How to order Additional Accessories

It is quick and easy to expand your Magnavox Home Security System - Your system is modular, so individual components can be added any time to custom fit your home or apartment. If you move, simply unplug your Magnavox system and move it to your new place. The Magnavox Home Security System experts can help you determine which additional components can solve your security needs. Your accessories will be shipped to you promptly following your call.

MAGNAVOX ACCESSORY HOTLINE
1-800-825-1694
 or visit our website at www.magnavox-security.com



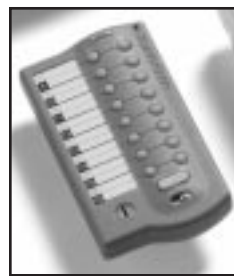
Appliance Unit

AMT103
Controls a grounded appliance



Door/Window Sensor

DWT200
Detects intrusion through doors and windows, triggers alarm



Full-Function Remote

RMT113
Controls up to 16 lamps and appliances; includes PANIC button



Keychain Remote

KST114
Controls lamps; includes PANIC, ARM, and DISARM buttons



Extra Magnets

DMT201
Secures two doors/windows with one Door/Window Sensor



Motion Detector

MDT300
Detects motion up to 40 feet away and triggers an alarm



Lamp Unit

LMT101
Controls a lamp



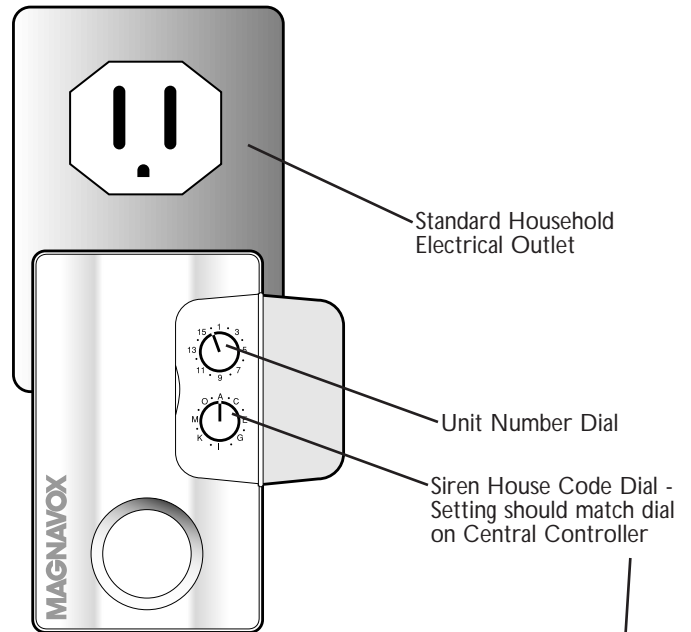
Extra Siren

PMT105
Additional siren for another part of your home

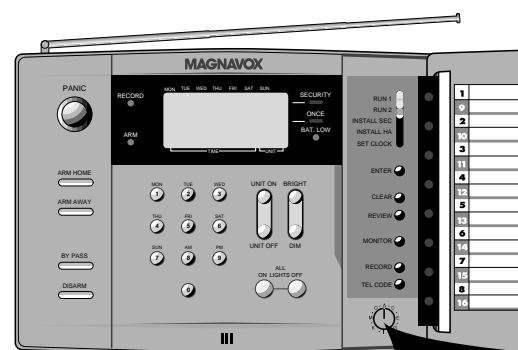
Setting Up a Siren (optional accessory)

Your Home Security System is super-safe. It has two alarms: one in the Central Controller and one siren. Both will sound if your security has been breached. The stand-alone Siren, which is louder than the alarm on the Central Controller, will sound approximately five seconds after the Central Controller's alarm.

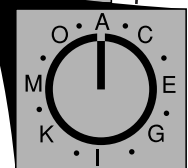
1. **Open the door on the Siren.**
2. **Set the house code.**
 - a. Locate the House Code Dial (the one with letters A-O written around it).
 - b. Set the House Code Dial to the same letter as the House Code Dial on the Central Controller (step 5, "Setting Up the Central Controller," page 5).
3. **Set the unit number.**
 - a. Locate the Unit Number Dial (the one that has the numbers 1-16 written around it).
 - b. Press a unit number for the Siren you are installing. (It can be any unused unit number. You probably won't control the Siren manually, as you will a lamp or appliance, so select a high unit number, such as 15 or 16.)
4. **Close the door on the unit.**
5. **Plug the unit into an AC outlet.**
 - a. Decide where to place the Siren. Since this is a secondary alarm, you may want to place it far away from the Central Controller. Install the Siren upstairs or in the garage so you can hear the Siren clearly, regardless of where you are in the house.
 - b. Plug the unit into a standard household electrical outlet.



Siren



Central Controller



SMART TIP

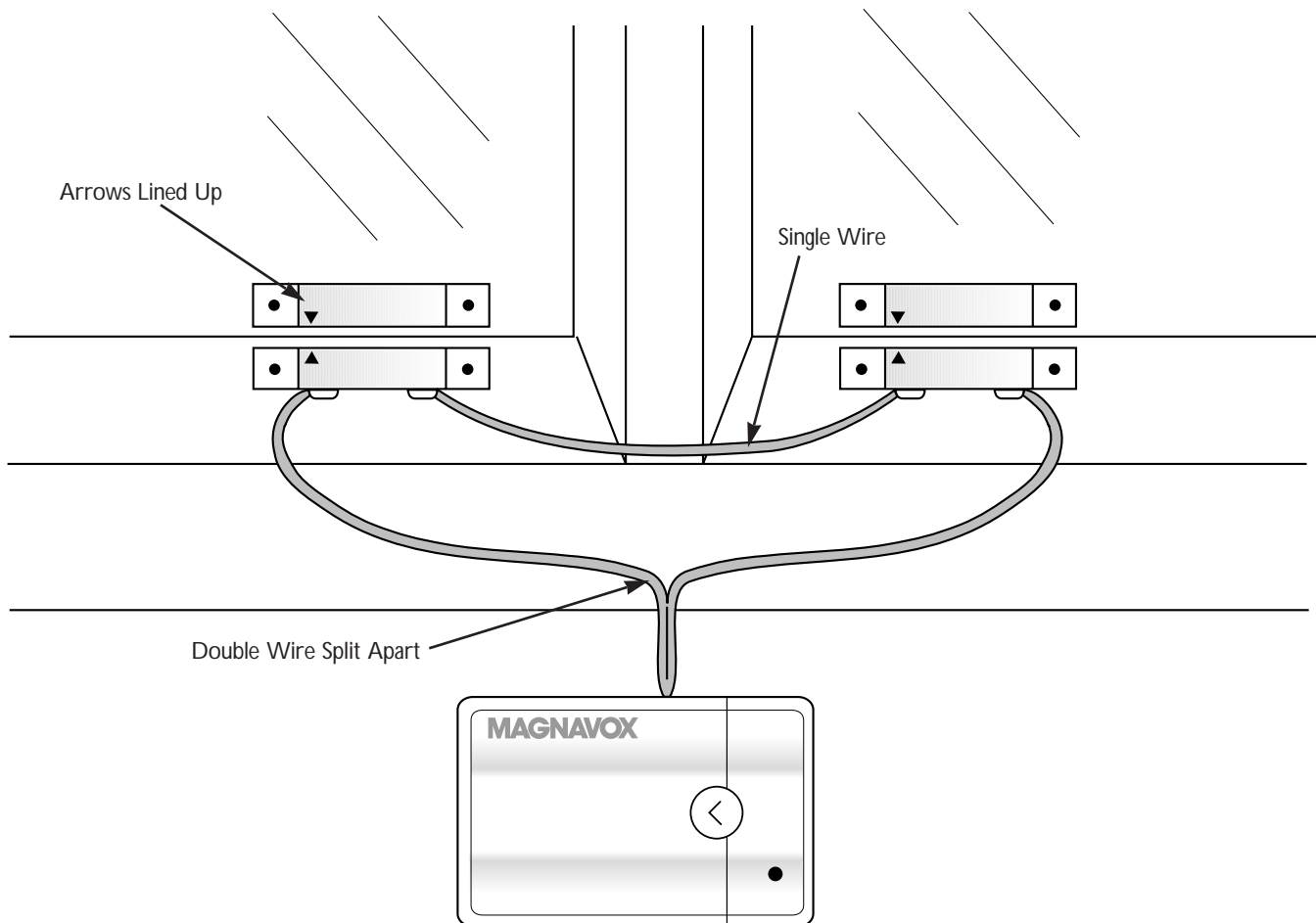
Remote Siren Delay


When an intrusion is detected, your remote siren will sound approximately 5 seconds after the Central Controller's siren.

**Any Questions?
Call 1-800-675-3082**

Setting Up the Door/Window Sensors with an Extra Magnet Set (optional accessory)

Many homes have two doors and windows that can be protected by a single sensor using the Extra Magnet Set. See the illustration below on how to wire the Extra Magnet Set to your Home Security System.



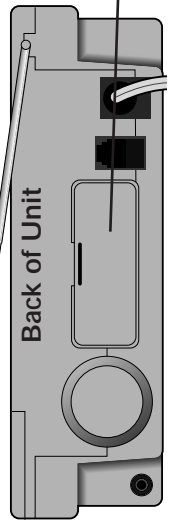
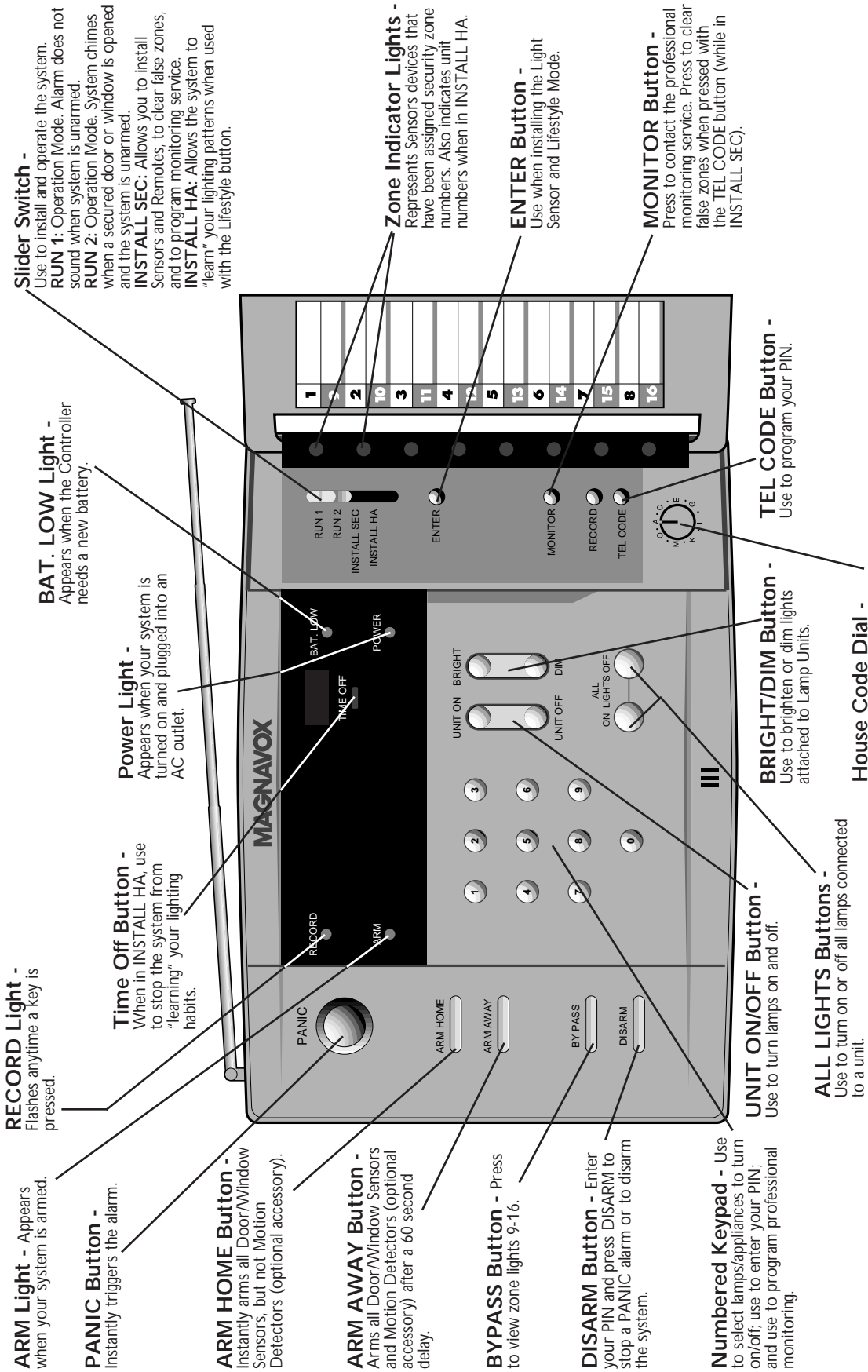

SMART TIP

Wiring the Magnets

Notice on the diagram that the double wire coming out of the sensor is split apart. Each lead is screwed onto a different magnet. The last connection required is a single wire from the left magnet to the right magnet.

Any Questions?
Call 1-800-675-3082

MX2000/2500 Central Controller



**Any Questions?
Call 1-800-675-3082**

Full-Function Remote

PANIC Button -
Press and hold for 2 seconds to instantly trigger an alarm.

ARM AWAY Instant Button
With the Slider Switch (see below) in SEC position, system arms all Sensors instantly.

ARM HOME INSTANT Button
With the Slider Switch (see below) in SEC position, system instantly arms all sensors except Motion Detectors (optional accessory).

ARM HOME DELAY Button
With the Slider Switch (see below) in SEC position, system arms all sensors except Motion Detector (optional accessory) after a 60 second delay.

ARM AWAY DELAY Button
With the Slider Switch (see below) in SEC position, system fully arms after a 60 second delay.

DISARM Buttons -
With the Slider Switch (see below) in SEC position, press these buttons to disarm your system.

ON Buttons -
Turns lights on when the Slider Switch is set to 1-8 or 9-16.

OFF Buttons -
Turns lights off when Slider Switch is set to 1-8 or 9-16.

ALL LIGHTS ON Button -
Turns all lights on when the Slider Switch (see below) is set to SEC.

ALL LIGHTS OFF Button -
Turns all lights off when the Slider Switch (see below) is set to SEC.

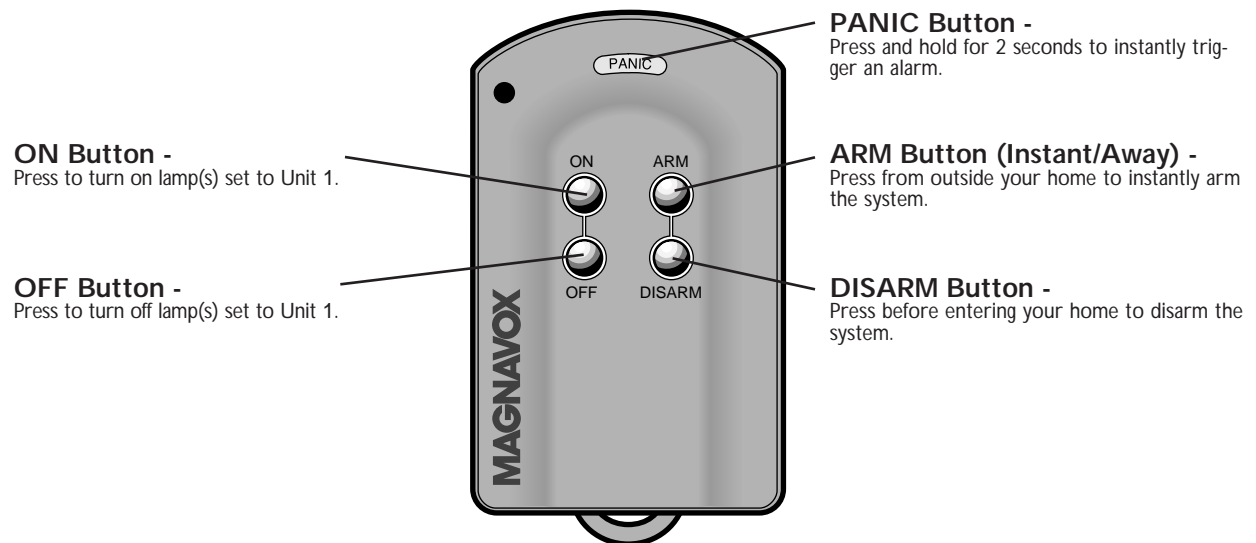
BRIGHT/DIM Buttons -
Brightens or dims a lamp attached to a Lamp Unit after that Lamp Unit's number has been pressed.

Slider Switch -
Controls specific lamps when set to 1-8 or 9-16. Arms, disarms, and turns all lights on/off when set to SEC.

House Code Dial
Use to set a house code with which your Central Controller operates its AC-powered devices. Selected house code must match house code on the Central Controller.

**Any Questions?
Call 1-800-675-3082**

Keychain Remote (MX2500 only)



**Any Questions?
Call 1-800-675-3082**

Magnavox Home Security Troubleshooting Guide

Problem	Possible Cause	Solutions
Lights won't turn on.	<p>Lamp has been dimmed or lamp has been turned off manually.</p> <p>Lamp hasn't been turned on manually .</p> <p>Lamp is set to different house code.</p> <p>Lamp is fluorescent.</p> <p>Wrong unit number pressed on Remote.</p>	<p>Brighten or turn on selected lamp.</p> <p>Manually turn on lamp.</p> <p>Change house code to match the Controller.</p> <p>Use incandescent lamp.</p> <p>Check the unit number on the Lamp Unit.</p>
Lights won't turn on or off.	<p>Buttons have not been pressed firmly enough.</p> <p>Lamp Unit has been set to different house code than the Central Controller.</p> <p>Remote has been set to different house code than Central Controller.</p> <p>Remote's Slider Switch not in correct position for Lamp Unit number.</p> <p>Lamp Unit set to different unit code than unit number you are pressing.</p> <p>Lamp Unit connected to a wall outlet that is controlled by an on/off switch.</p>	<p>Press buttons firmly. Make sure Record light flashes.</p> <p>Set house code to match Central Controller.</p> <p>Set the Remote's house code to match the Central Controller.</p> <p>Move Remote's Slider Switch to correct position for Lamp Unit number (i.e. 1-8 or 9-16).</p> <p>Press correct unit code for the lamp.</p> <p>Make sure the wall outlet switch and the lamp are on.</p>
Lights won't brighten/dim.	<p>Lamp has built-in dimmer.</p> <p>Lamp Unit not selected before pressing BIGHT/DIM.</p>	<p>Lamps with built-in dimmers should not be used with Lamp Units.</p> <p>Press desired Lamp Unit number before pressing BRIGHT/DIM.</p>
Lights turn on randomly.	Neighbor has same house code.	Change house code on the Central Controller, Remote, and Lamp Unit.
Central Controller won't do anything.	No power.	Plug Central Controller into a wall outlet.
Can't enter Personal Identification Number (PIN).	<p>Buttons are not being pressed firmly enough.</p> <p>Slider Switch on Central Controller not in INSTALL HA position.</p> <p>System is armed.</p> <p>Alarm has been triggered.</p> <p>Remote Control has already been installed.</p>	<p>Set switch on Central Controller to INSTALL HA. Firmly press TEL CODE button, enter your 3-digit PIN, then press the ENTER button.</p> <p>Move Slider Switch on the Central Controller to INSTALL HA position.</p> <p>Disarm system.</p> <p>Disarm system.</p> <p>Set Central Controller to RUN 2, then press DIS-ARM on Remote. If the Controller chimes, the unit has already been installed.</p>
Central Controller chimes randomly while installing Door/Window Sensors.	System was left in INSTALL SEC position. Sensor's batteries were inserted too soon.	<ol style="list-style-type: none"> 1) Remove all batteries from the Sensor until you are ready to install that specific Sensor. 2) Move Slider Switch to INSTALL SEC. 3) Press the TEL CODE and MONITOR buttons simultaneously to erase all Sensors. See manual to install all Remotes and Sensors.

Need Help?

Call our toll-free customer service line at 1-800-675-3082, 24 hours a day, seven days a week. Or contact a Magnavox dealer for the name of the service center nearest you.

Magnavox Home Security Troubleshooting Guide

Problem	Possible Cause	Solutions
Can't control lights from outside telephone.	Central Controller not connected to telephone line. Entered wrong PIN.	Connect Central Controller to telephone line. Enter correct PIN.
Central Controller doesn't call out for help when alarm is triggered.	Central Controller not properly connected to telephone line.	Check the phone jack splitter. Make sure Controller was properly installed. Refer to manual for instructions.
Central Controller won't disarm.	Incorrect PIN entered before pressing DISARM button. Controller "locks up." Full-Function Remote's Slider Switch in wrong position. PIN wasn't entered. Forgot PIN.	Re-enter correct PIN, then press DISARM button. Unplug Central Controller from wall. Remove 9V battery. Reinstall battery. Plug Controller back into wall outlet. Set switch to SEC. Enter PIN before pressing DISARM button on the Controller. Press DISARM, ARM, and DISARM with remotes.
Central Controller won't arm.	Central Controller Slider Switch not in the correct position.	Move Controller's Slider Switch to RUN 1 or RUN 2.
Answering machine won't record incoming message.	Answering machine needs to answer phone within 20 seconds.	Set your answering machine to answer phone within 3 rings or less. Call 1-800-675-3082 for help.
Motion Detector (optional accessory) not working.	Unit not installed correctly.	Call 1-800-675-3082 for instructions.
Security Zone Indicator won't light.	Door/Window Sensor or Motion Detector not installed properly.	Refer to Owner's Manual for installation procedure. Make sure Sensors are within 40 feet of Controller.
Security Zone Indicator lights before Sensor is installed.	Door/Window Sensor magnets were separated during installation.	Refer to manual for information on clearing false zones.
Security Zone Indicator lights while in RUN 1 or RUN 2 position.	Security zone breached	Check security zone that is lit. Verify zone is secure.
Siren won't turn off.	PANIC button stuck. 3-digit PIN and DISARM button not pressed. PIN not entered correctly.	Check PANIC button on Remotes and Central Controller. Enter 3-digit PIN, then press DISARM button. Set Central Controller's Slider Switch to INSTALL HA. Press the TEL CODE button. Re-enter a 3-digit PIN and press ENTER. Controller will chime.
Siren sounds when turning on lights.	Siren is sharing same unit code as a lamp.	Change unit code on Siren to a high, unused number.
Siren sounds when brightener dimming lights.	Siren is sharing same unit code as a lamp.	Change unit code on Siren to a high, unused number.

Need Help?

Call our toll-free customer service line at 1-800-675-3082, 24 hours a day, seven days a week. Or contact a Magnavox dealer for the name of the service center nearest you.

Magnavox Home Security Troubleshooting Guide

Problem	Possible Cause	Solutions
Remote doesn't work.	<p>Green light on Remote does not illuminate.</p> <p>Remote's house code set to different letter than that of the Central Controller or Lamp Unit.</p> <p>Remote has not been installed.</p> <p>Remote's Slider Switch is in the wrong position.</p> <p>Buttons have not been pressed firmly enough.</p>	<p>Batteries low. Replace batteries.</p> <p>Set Remote Control's Lamp Unit and Central Controller to the same letter.</p> <p>Install Remote using instruction provided.</p> <p>Move Remote's Slider Switch to correct position. (i.e. 1-8; 9-16; SEC).</p> <p>Press buttons firmly. Make sure green light on remote flashes.</p>
ALL LIGHTS (on/off) on Remote won't work.	Slider Switch on Remote is in wrong position.	Move Slider Switch on remote to SEC position.
PANIC button on Remote doesn't work.	PANIC button was not held down for 2 seconds.	Hold Panic button for 2 seconds.
Green light on Remote doesn't flash.	<p>Batteries low.</p> <p>No batteries.</p>	<p>Replace batteries.</p> <p>Insert batteries.</p>
RECORD light flashes rapidly.	System is trying to dial out.	Call 1-800-675-3082
Cannot turn lights on/off over phone.	<p>User has Voice Mail or Call Forwarding.</p> <p>Incorrect PIN was used.</p>	<p>Discontinue service(s); system not compatible.</p> <p>Re-enter correct PIN (See manual for instructions on how to operate lights over phone.)</p>
Security Zone Indicator flashes slowly, unable to arm system.	<p>Door/Window Sensor or Motion Detector batteries are low or dead.</p> <p>Door/Window Sensor wire has been cut or shortened, causing reduced range of Sensor.</p> <p>Door/Window Sensor or Motion Detector is out of range due to Central Controller being moved since original installation.</p> <p>Door/Window Sensor or Motion Detector is shielded by object between Sensor and Central Controller.</p> <p>False zone has been created during installation.</p>	<p>Change batteries.</p> <p>Extend or add wire on Door/Window Sensor.</p> <p>Move Central Controller back to original position or to a new, centrally-located position in the house.</p> <p>Move Central Controller to new central location.</p> <p>1) Remove all batteries from Sensor until you are ready to install that specific Sensor. 2) Move Slider Switch to INSTALL SEC. 3) Press TEL CODE and MONITOR buttons simultaneously (erases all Sensors so you can start again). 4) See manual to install Remotes and Sensors.</p>

Need Help?
 Call our toll-free customer service line at **1-800-675-3082**, 24 hours a day, seven days a week. Or contact a Magnavox dealer for the name of the service center nearest you.

Important Notices

To ensure safety when using your MX2000/2500, it is **VERY** important to operate it correctly. Please read the following information before installing your system.

DON'T use a Lamp Unit to control a fluorescent light, a fan, or any kind of appliance.

DON'T use a Lamp Unit to control a lamp or fixture which already has a dimmer.

DON'T use an Appliance Unit (optional accessory) to control something which would be dangerous if turned on remotely while unattended, such as an empty coffee pot or an electric fan with poorly-protected blades, etc.

DON'T leave a wireless intercom or baby monitor in the permanent transmit or "Talk" mode. Its transmissions could "block out" transmissions from the Central Controller or the Remote Controls.

DON'T install the following items to Lamp and Appliance Units (optional accessory):

LAMP UNIT:

- any lamp/bulb that exceeds 300 watts.

APPLIANCE UNIT (optional accessory):

- appliance rated 15 Am. resistive (such as a coffee pot or heater).
- appliance that operates a 1/3 hp motor load or higher.
- televisions that exceeds 400 watts.
- lamp that exceeds 500 watts "inrush current."

**Any Questions?
Call 1-800-675-3082**

Specifications

Base Unit

Power Supply

Operating Voltage	120 Vac +/- 10%
Frequency	60 Hz +/- 2%
Battery Supply	9V
Battery Low Voltage	7.8V +/- 0.3V
Standby Time	20 h (Run Mode, No Zone Indicators Lit)

Telephone Interface

Connection Mode	2-Wire
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Standards and Approvals

FCC parts 68 and 15; UL

Auto Dialing

Line Seizure Delay Between Calls	3 seconds
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RF Receiver Characteristics

RF Frequency	310 MHz
RF Range	Normal range 40 ft., Max 100 ft. (when signal unobstructed)
Antenna Type	Telescopic

Miscellaneous

Audible Alarm Level	95 dB at 1 m (Typ)
Operating Temperature Range	0° C - 50° C Reliability and Quality
Quality Index	99.5 for 1995
Packaging	Bulk packaging designed to pass shipping tests

Specifications are subject to change without notice.

**Any Questions?
Call 1-800-675-3082**

FCC Information

FCC (Federal Communications Commission) Caution

This equipment generates and uses radio frequency and, if not installed and used properly, (that is, in strict accordance with the manufacturer's instructions), may cause interference in radio and television reception. It has been type-tested and found to comply with the limits for remote control security devices in accordance with the specifications in sub-parts B and C of part 15 of the FCC rules. These rules are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception (which can be determined by unplugging the equipment), the user is encouraged to try to correct the interference by one or more of the following measures: re-orient the antenna of the radio/TV experiencing interference; relocate the console relative to the radio/TV; move the console away from the radio/TV; or plug the console into an outlet on a different branch circuit than the radio/TV experiencing interference. If necessary, the user should consult the dealer or manufacturer for additional suggestions.

Telephone Information

Your Home Security System has been designed to conform to federal regulations. You can connect it to most telephone lines. However, each device that you connect to one phone line draws power from that phone line. This is referred to as the device's Ringer Equivalence Number (REN), which is shown on the bottom of your telephone.

Your Home Security System complies with part 68 of the FCC rules. In order to fully comply with the FCC rules, follow these instructions prior to installing and using the product:

1. Do not connect the unit to a coin-operated telephone, to party lines, or a PBX system.
2. Any connections to telephone lines must use standard plugs and adapters.
3. Make connections using an RJ11 jack – i.e., the supplied phone cord and splitter.
4. Notify the telephone company that you will be connecting a registered unit to the telephone line. Provide them with the following information: the FCC register number (on the bottom of the Central Controller) and the REN, which is 0.1.B.

If a problem arises with your telephone service after you have connected your Home Security System to a telephone line, disconnect the unit to see if the problem is caused by its use. If your Home Security System is at fault, leave it disconnected until it is repaired or replaced (see the warranty for more information). If the telephone company makes a service call to your home and determines that the security system has caused the problem, they may charge you for that service call.

In the unlikely event that your Home Security System causes a problem with your phone line, the phone company may stop your phone service. The phone company will attempt to notify you in advance of this action. If notice is not practical, the phone company will stop your service, then tell you how to file a complaint with the FCC.

The phone company may make changes to its phone lines, equipment, operations, or procedures that could affect the operation of your Home Security System. The phone company will notify you of these changes so you can take steps to prevent interruption of your phone service.

Note

Modifying or tampering with your Home Security System's internal components can cause a malfunction. This might invalidate the warranty and void your authority to operate this equipment.

The suitability of this product to perform as a burglar alarm system or as an emergency service device has not been evaluated by Underwriters Laboratories, Inc.

**Any Questions?
Call 1-800-675-3082**

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INSTALL HA (see slider switch)			

90-Day Limited Warranty

WHO IS COVERED?

You must have sales order invoice to receive credit or exchange product. A sales order or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For ninety days thereafter, a defective or inoperative product will be replaced with a new, renewed, or comparable product at no charge to you. When the warranty on the original product expires, the warranty on the replacement product also expires.

WHAT IS EXCLUDED?

- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna system outside of the product.
- Product repair and/or part replacement because of misuse, accident, unauthorized repair, or other cause not within control of Absolute Home Security, L.L.C.
Reception problems caused by signal conditions or cable or antenna systems outside the unit.
- Incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.)

WHERE IS EXCHANGE AVAILABLE?

You may exchange the product through your local Absolute Home Security, L.L.C. representative or office. To obtain an exchange, please call the number listed below.

BEFORE REQUESTING EXCHANGE...

Please check your owner's manual or call our technical support group phone number listed in your owner's manual.

30-Day Money Back Guarantee

For any reason, if you are not completely satisfied with your Magnavox Security System, you may return it within 30 days from the day you received the system for a full refund. To receive a refund, product must be in original carton, and postage paid to Absolute Home Security, L.L.C. To obtain a return authorization, please call the number listed below.

Product Replacement Service

For Monitored Customers Only. Magnavox Security guarantees the owner of this security system a Product Replacement Service on all hardware components as long as the same customer maintains an active Monitoring Account with ORCA Monitoring Services and Magnavox Security Systems.

If any component becomes inoperative, the component will be replaced free of charge*.

* Return of Inoperative Component Required.

Where to Get Help

For inquiries on above policies,
please call:

1-800-825-1694

MAGNAVOX
Smart. *Very smart.*[®]

Visit Our Web Site At:
www.magnavox-security.com

IB8198E001