HOME SECURITY

Easy-to-install, wireless home security system

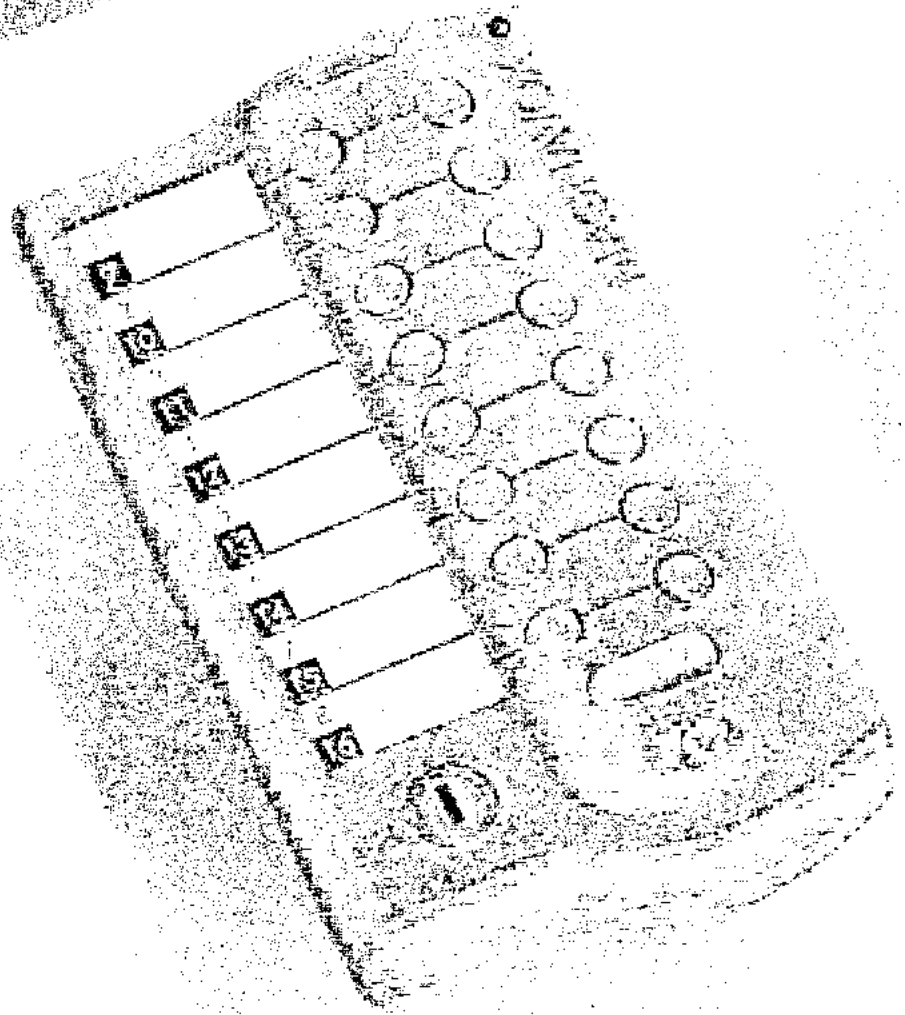**OWNER'S MANUAL**

Voice Dialer Instructions

To Set Up Auto Dial:

1. Program Phone Numbers

To have your Central Controller call a friend/neighbor/relative when a break-m occurs, follow the steps below to program in up to four telephone numbers. DO NOT program in your local police department or 9 11; many States and Localities will not allow a recorded message to be sent to the police or 9 STIFF FINES AND PENALTIES MAY RESULT.

A   Slide the Slider Switch t INSTALL SEC.
B.   Press TEL CODE, then number button 3. Controller beeps.
C.   Use the number keypad to enter the pho **number**. You may select a number of any length.
D.   Press the ENTER button
E.   Use the number keypad to enter the memory number of the phone num **1, 2, 3,** or 4. The Central Controller will beep twice.
F.   Repeat steps A-E for the other three phone numbers.

2. Record a Message

A   With the Slider Switch in INSTALL SEC position, press the RECORD button. The RECORD light on the display panel will appear.
B.   Speak into the microphone for up to fifteen seconds. A message similar to this one is suggested:
"Hello. This is the Johnson's home security system. The Johnson's home security system has been breached_ Wait until this message stops, then pre **0** on your phone to listen in on the Johnson household **If you** hear anything unusual, please call the police."
C. When you are finished, wait until the RECORD light disappears.

3. Review Your Message

A   Attach the supplied earphone to the back of the unit.
B.   Place the earphone earpiece in your ear.
C.   Slide the Slider Switch to RUN 1 or RUN 2 position
D.   Press the RECORD button The RECORD light will appear, and your message will be played back through the attached earphone.

4. Testing Your Home Security System Voice Dialer

To test de system, you shoul **already** have installed all of the Door/Window Sensors, programmed in up to four different phone numbers, recorded your personal message, and hooked up several lamps to the Lamp Units. All completed? Good! We're ready to test the system.

Note: If you selected the friends/neighbors setting earlier in the setup, let the person who will be receiving your recorded message know you are testing your system and they will be receiving your distress message.

A   Make sure the Central Controller's Slider Switch is in either the RUN 1 or RUN 2 position.
B.   Press ARM HOME. The controller will beep once and the ARM LIGHT will turn (**If the** system does not beep, refer to the "Arming and Disarming" section of your manual).
C.   Open a monitored door or window.
·   The Siren will sound
·   All lights connected to Lamp Units will flash.
·   After 30 seconds, the system will seize your phone line and automatically call your designated friends/ neighbors.
D. Disarm your system.
●   Enter your 3 digit PIN.
●   Press the DISARM button.

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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.
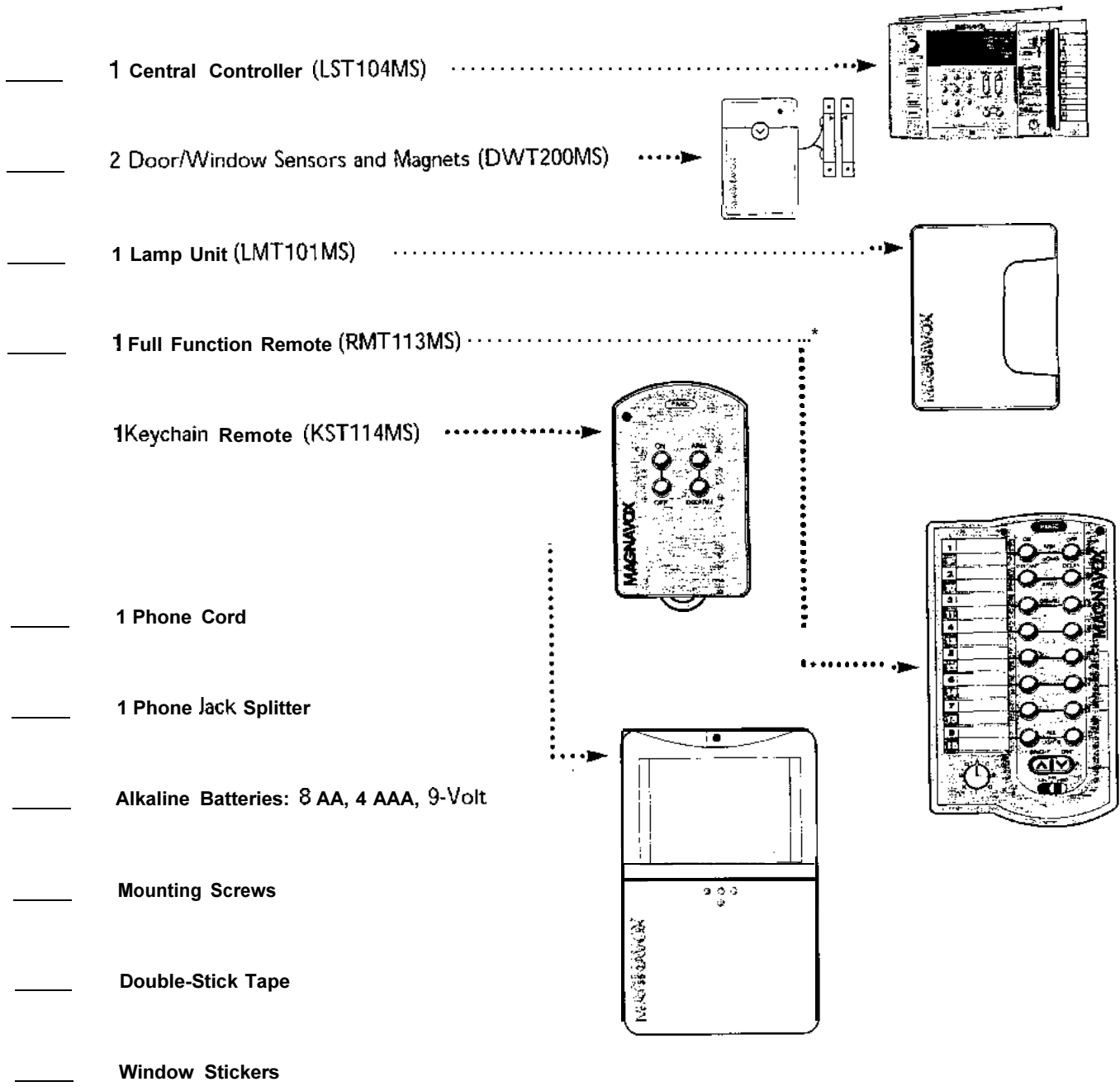
Table Of Contents

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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.

_____ 1 **Central Controller** (LST104MS) ··························▶

_____ 2 Door/Window Sensors and Magnets (DWT200MS) ·····▶

_____ 1 **Lamp Unit** (LMT101MS) ···································▶

_____ 1 **Full Function Remote** (RMT113MS) ························

_____ 1 Keychain **Remote** (KST114MS) ··············▶

_____ 1 **Phone Cord**

_____ 1 **Phone Jack Splitter**

_____ **Alkaline Batteries:** 8 **AA, 4 AAA,** 9-Volt

_____ **Mounting Screws**

_____ **Double-Stick Tape**

_____ **Window Stickers**

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.

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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.)

. Insert a battery.

   a.' Remove the battery compartment cover from the back of the Controller (near the antenna).

   b. Pull the battery attachment from the battery compartment.

   c. Connect the supplied 9-volt battery (+ and - sides aligned as indicated) to the battery attachment.

   d. Insert the attached g-volt battery into the battery compartment.

   e. Replace the battery compartment cover.
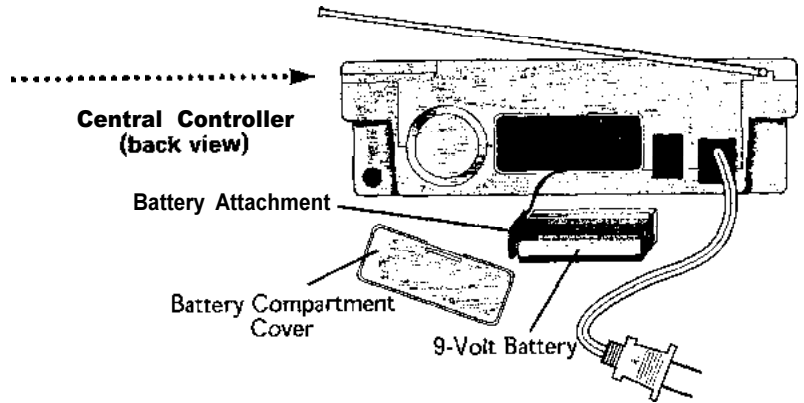
!. Connect the Controller to a telephone.

   a. Plug the phone jack splitter into a wall phone jack.

   b. 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.

   c. 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.)
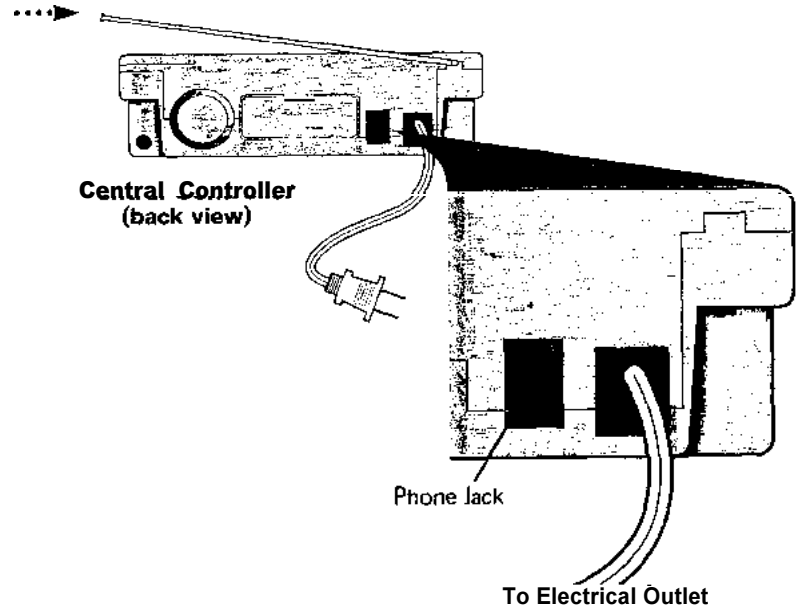
3. Plug the unit into a standard AC outlet.

4. Extend the Controller's antenna.

(continued on next page)

Central Controller
(back view)

Battery Attachment

Battery Compartment Cover

9-Volt Battery

Central Controller
(back view)

Phone Jack

To Electrical Outlet

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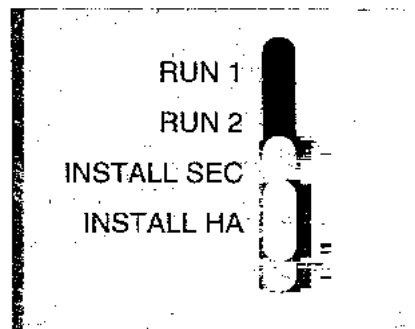
  Note: You cannot select a PIN when your home security system is armed or when the alarm is triggered (either by a security breach or by the PANIC button).

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

Central Controller (front view)

Slider Switch

Enter Button

Door

Tel Code Button

House Code Dial

Slider Switch

RUN 1
RUN 2
INSTALL SEC
INSTALL HA

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.
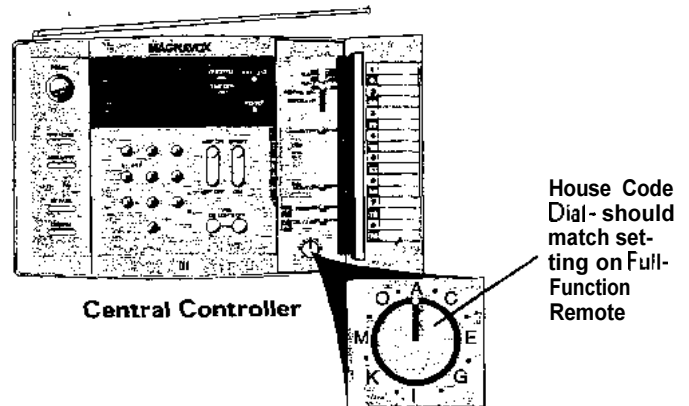
I. Insert the batteries.

a. Remove the battery compartment cover on the back of the Remote.

b. Insert four AAA batteries (+ and - sides aligned as indicated).

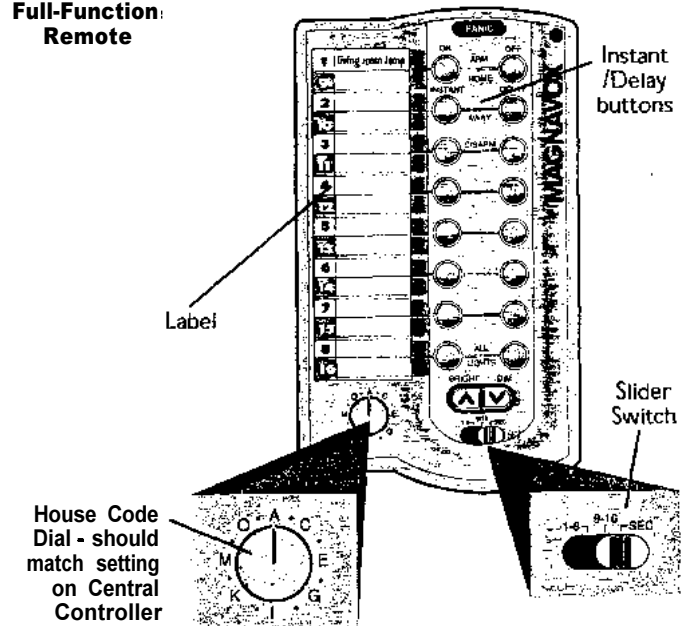c. Replace the cover.

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.

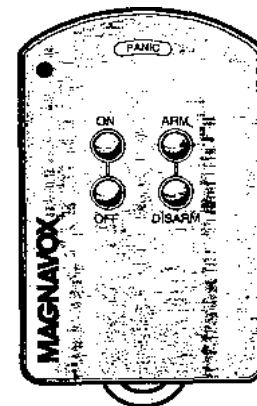## Now let's install the Keychain Remote (MX2500).

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.

Central Controller

House Code Dial - should match setting on Full-Function Remote

Full-Function Remote

Instant /Delay buttons

Label

Slider Switch

House Code Dial - should match setting on Central Controller

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 I-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.

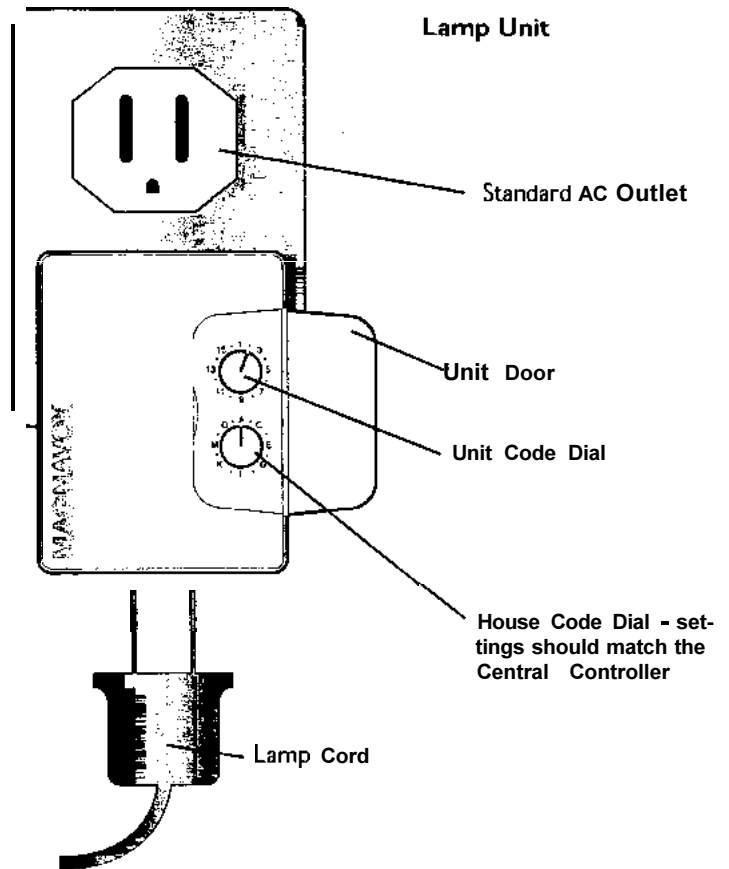b. Select the unit number for the lamp you are installing.

4. Close the door on the unit
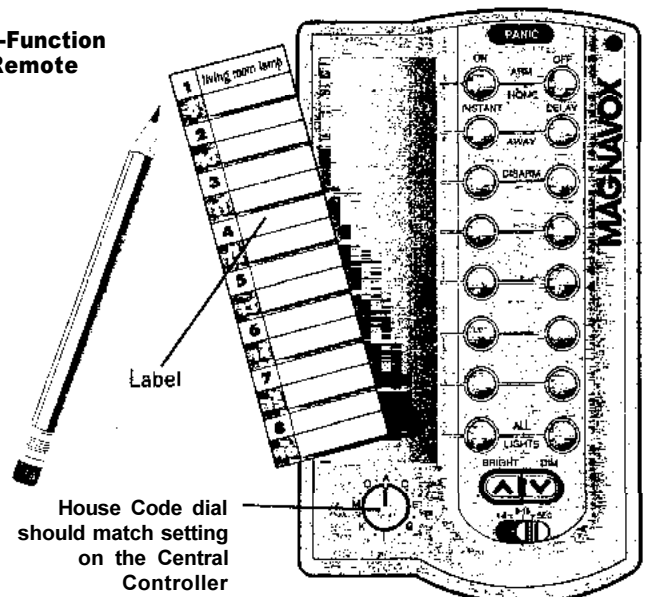
5. Attach the unit to a lamp.

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.

Lamp Unit

Standard AC Outlet

Unit Door

Unit Code Dial

House Code Dial – settings should match the Central Controller

Lamp Cord

Full-Function Remote

Label

House Code dial should match setting on the Central Controller

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Setting Up the Lamp Unit (continued)

MAGNAVOX

Central Controller

UNIT ON/OFF
Turns selected lamp on or off'

BRIGHT/DIM
Brightens or dims selected lamp

/ALL LIGHTS ON
Turns on all lamps

ALL LIGHTS OFF
Turns off all lamps
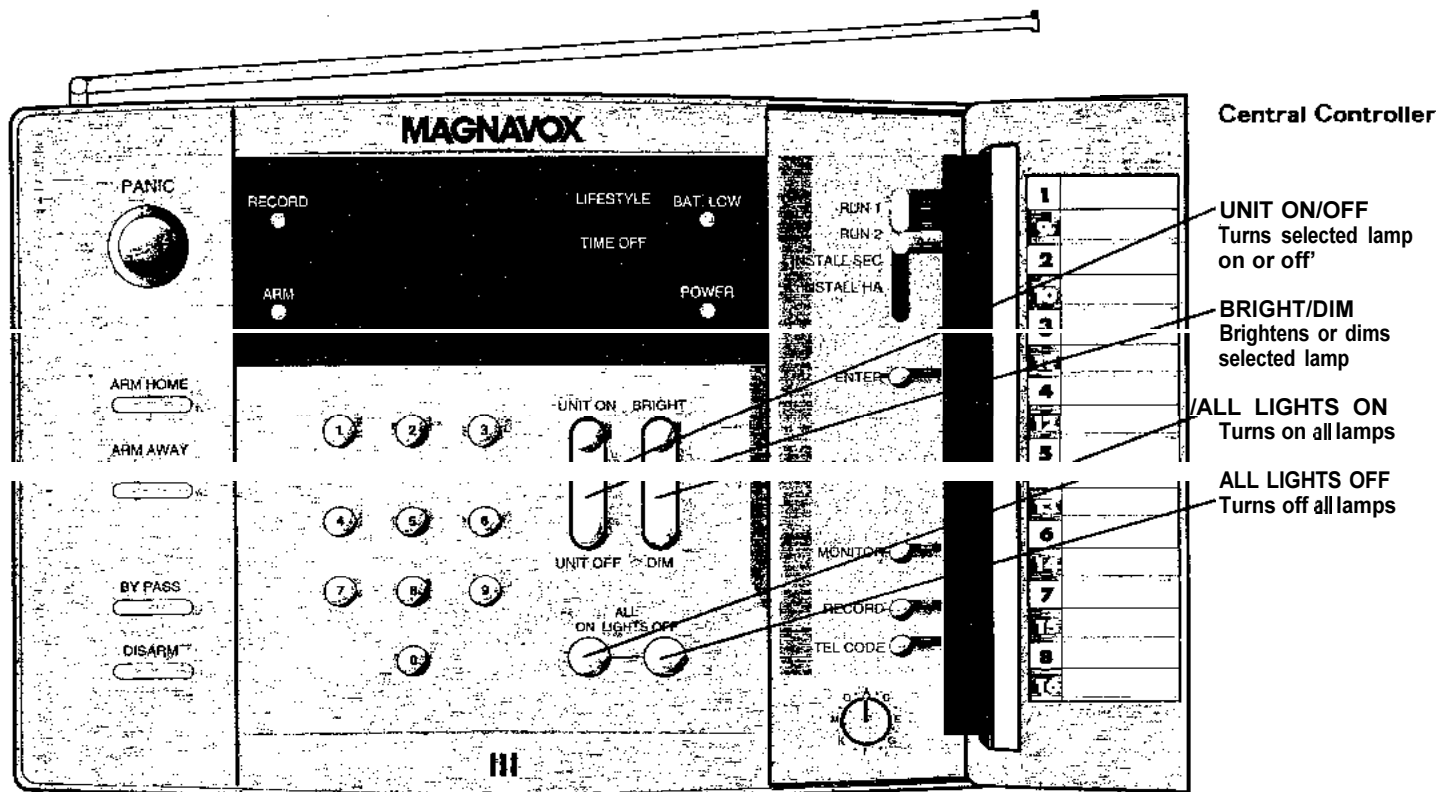
3. Test the unit.

a. Set the Controllers Slider Switch to RUN 1.

b. Use the numbered keypad to select the desired lamp.

c. Press the UNIT ON button. The selected lamp will turn on.

d. Use the numbered keypad to select a lamp that is already on.

e. Press BRIGHT or DIM to brighten or dim the selected lamp.

f. Use the numbered keypad to select a lamp that is already on.

g. Press the UNIT OFF button. The selected lamp will turn off.

h. Press the ALL LIGHTS ON button. All lamps attached to the Lamp Units will turn on.

i. 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.

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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:

Uow let's set up the Door/Window Sensors.
I. 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 that 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).

Vote: 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.
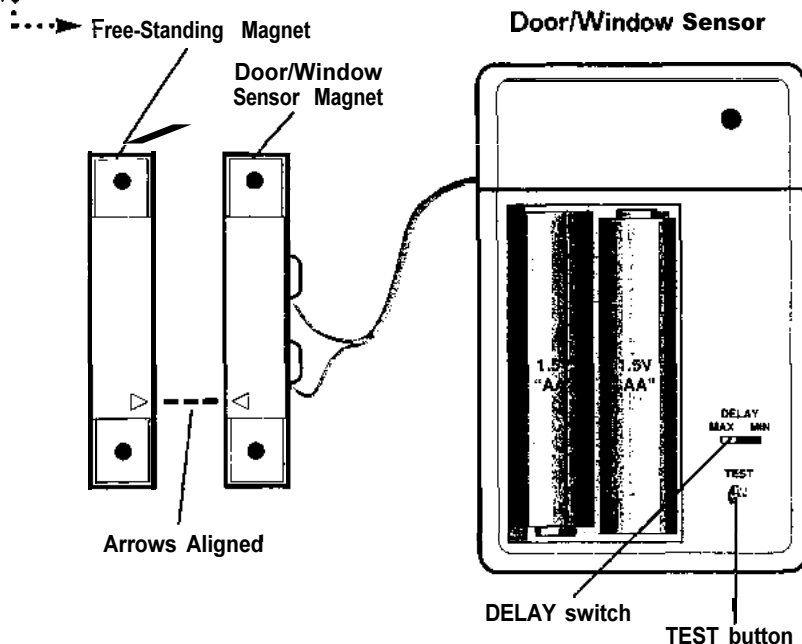
(continued on next page)

Free-Standing Magnet

Door/Window Sensor Magnet

Door/Window Sensor

Arrows Aligned

DELAY switch

TEST button

figure A

9

Setting Up the Door/Window Sensors (continued)

I. 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 I-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.

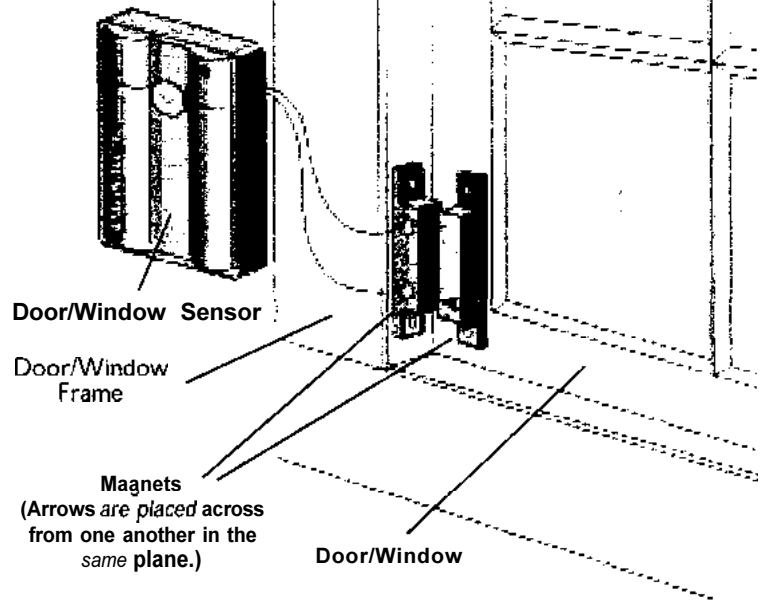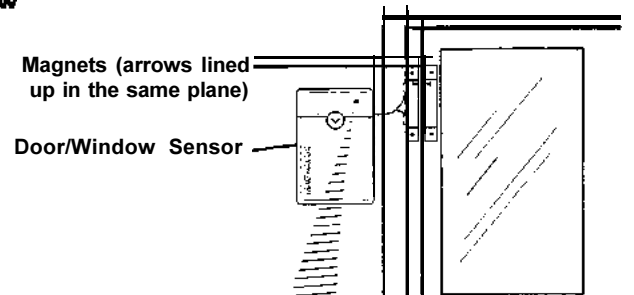---

View of optional Door/Window Sensor Placement

Door/Window Sensor

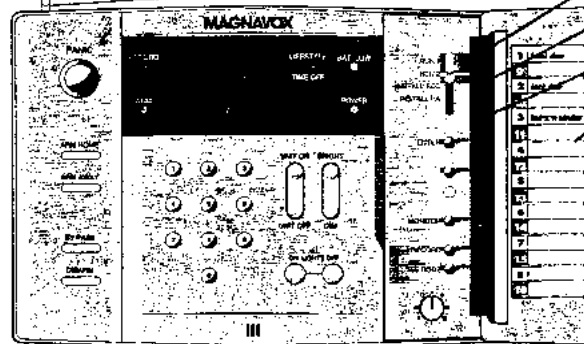Door/Window Frame

Magnets
(Arrows are placed across from one another in the same plane.)

Door/Window

Figure B

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.

Plastic or Wood Spacer

Long Screw

Arrows lined Up

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.)

Arrows Up

Programming Door/Window Sensor

Magnets (arrows lined up in the same plane)

Door/Window Sensor

Security Zone Indicators
Zone 1
Zone 2
Zone 3

Inside Label
(write security zone names here:

Central Controller
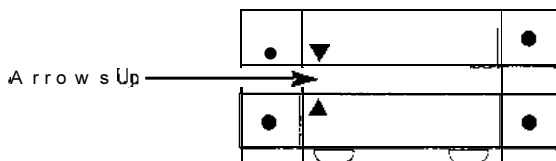
Setting Up a Motion Detector

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 <u>across</u> 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
(back view)

Alarm Delay Switch

TEST button

CODE button
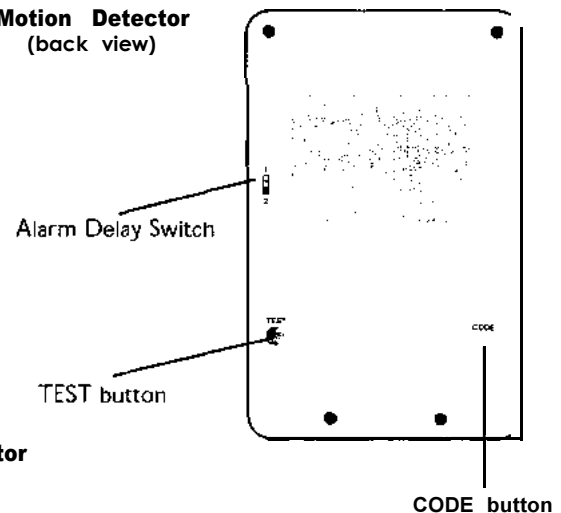
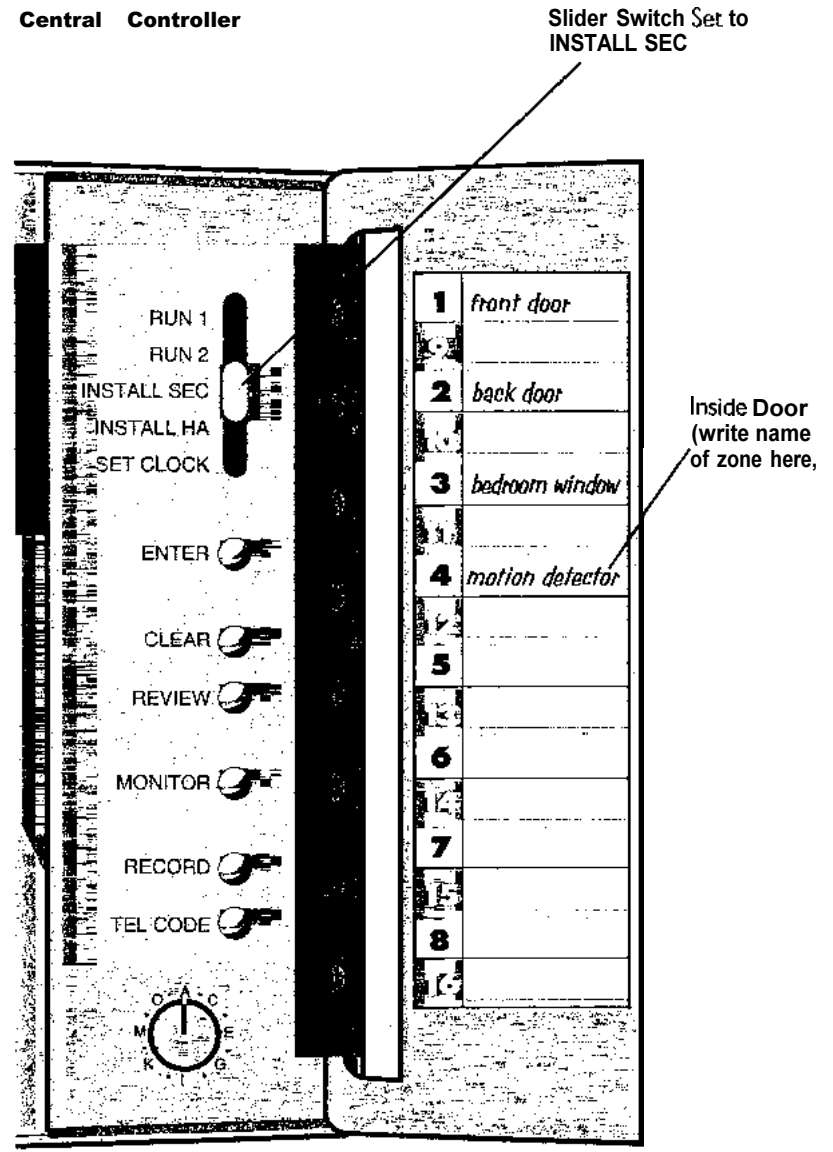**Motion Detector installation**

Motion Detector Arm

Supplied Screws
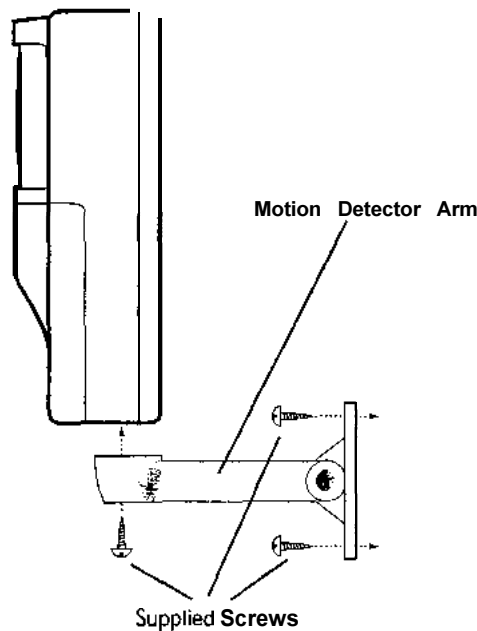
Setting Up a Motion Detector (continued)

l. 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.

Central Controller

Slider Switch Set to INSTALL SEC

RUN 1
RUN 2
INSTALL SEC
INSTALL HA
SET CLOCK

ENTER

CLEAR

REVIEW

MONITOR

RECORD

TEL CODE

1	front door
2	back door
3	bedroom window
4	motion detector
5	
6	
7	
8	

Inside **Door** (write name of zone here,

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 neighbors.

To activate the monitoring service, call I-800-675-3082. A monitoring agreement will be mailed or faxed to you.

Programming the System for Monitoring.

a. Set the Controller's Slider Switch to RUN.

b. Pick up your telephone's handset.

c. Call I-800-675-3082 to be connected with the central monitoring station.

d. Follow the programming instructions provided by a Customer Support Representative.

Testing the System.

a. Make sure the Controller's Slider Switch is set to RUN.

b. Call I-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 I-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 I-800-675-3082 for assistance.

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 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.

Disarming the System:

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

Arming and Disarming System with Central Controller

ARM HOME button

ARM AWAY button

BYPASS button

DISARM button

Numbered Keypad'

Slider Switch
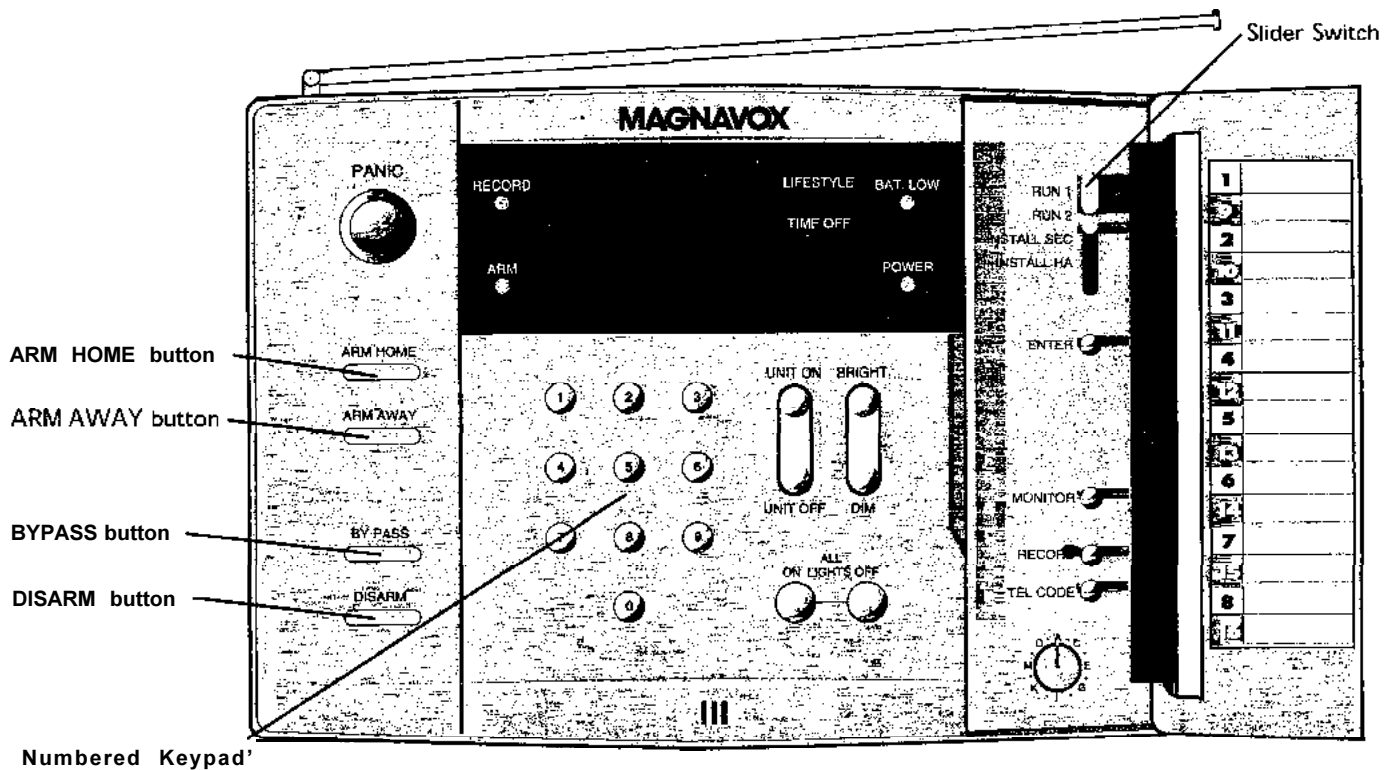
Arming the System with the Central Controller

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.

Arming and Disarming the System (continued)

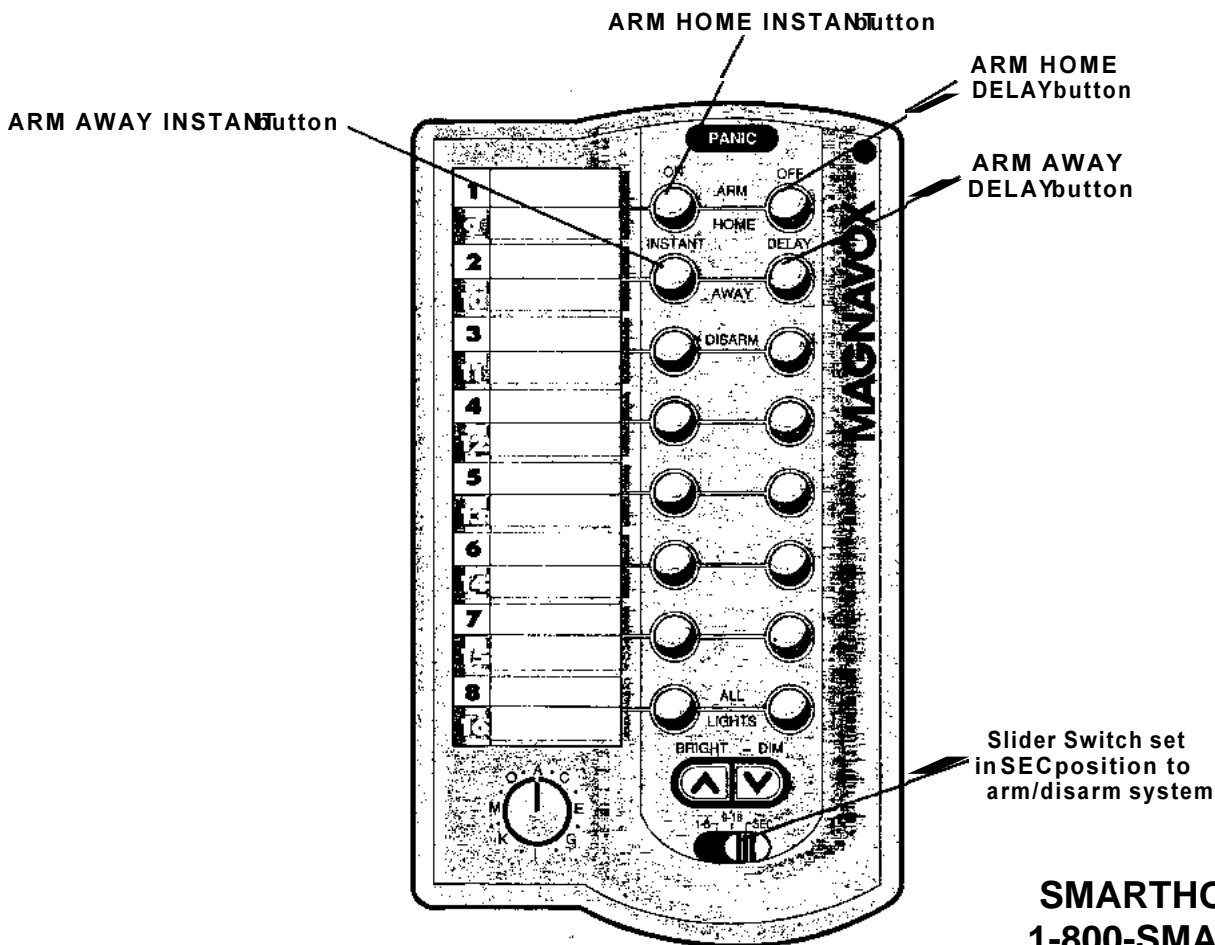## USING THE FULL-FUNCTION REMOTE

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, 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 f/ash 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

ARM HOME INSTANT button

ARM HOME DELAY button

ARM AWAY INSTANT button

ARM AWAY DELAY button

Slider Switch set in SEC position to arm/disarm system

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. Thk 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 c/ear 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)

ARM button
DISARM button
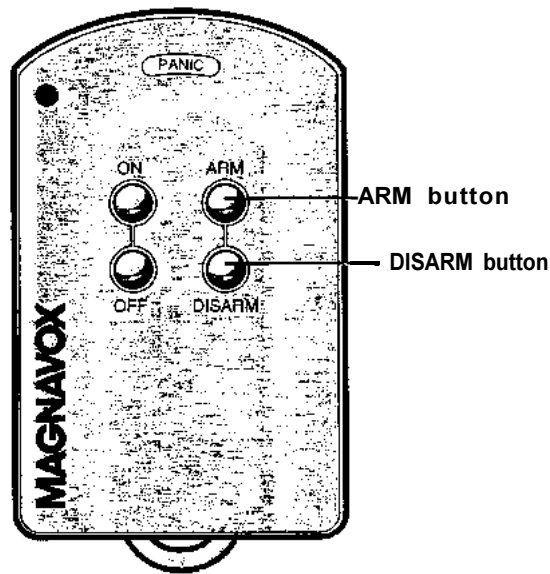
Turning Lamps On and Off

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.

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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.

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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.

I. Open the door on the Siren.

!. 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).

## !. Set the unit number.

    a. Locate the Unit Number Dial (the one that has the numbers I-1 6 written around it).

    b. Press a unit number for the Siren you are installing. (It can be any unused unit number. You probably wont control the Siren manually, as you will a lamp or appliance, so select a high unit number, such as 15 or 16.)

I. 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.

Standard Household Electrical Outlet

Unit Number Dial

Siren House Code Dial Setting should match dial on Central Controller

Siren

Central Controller
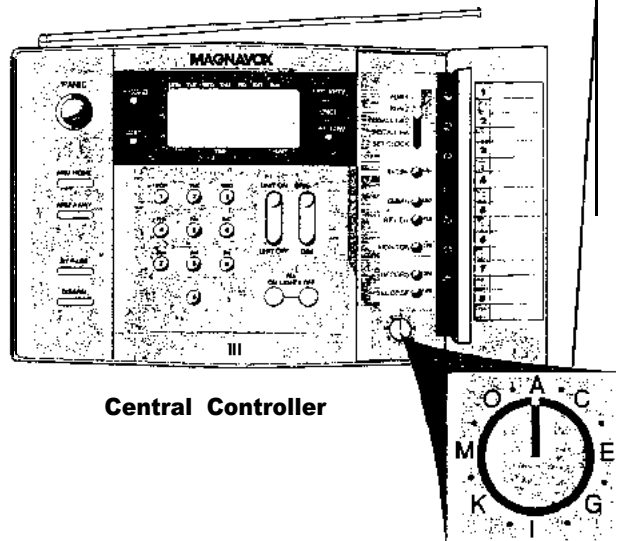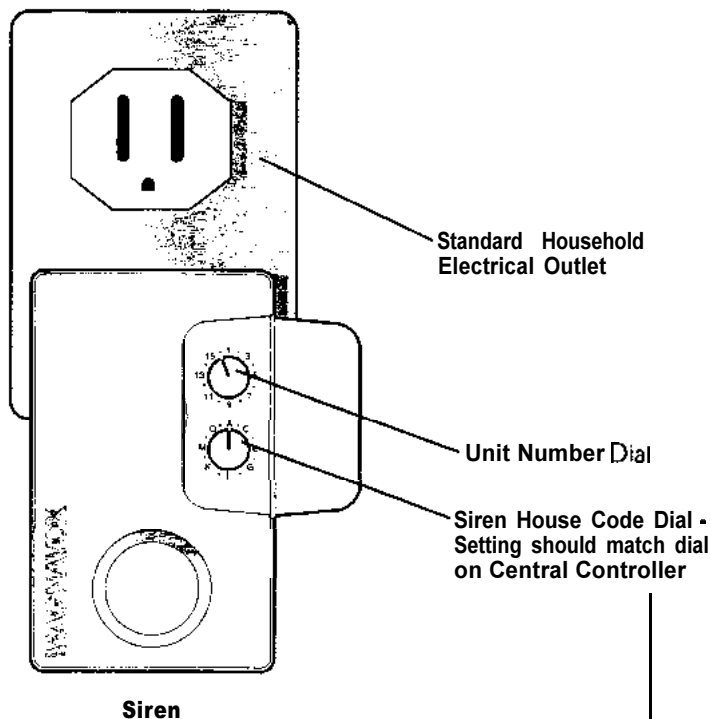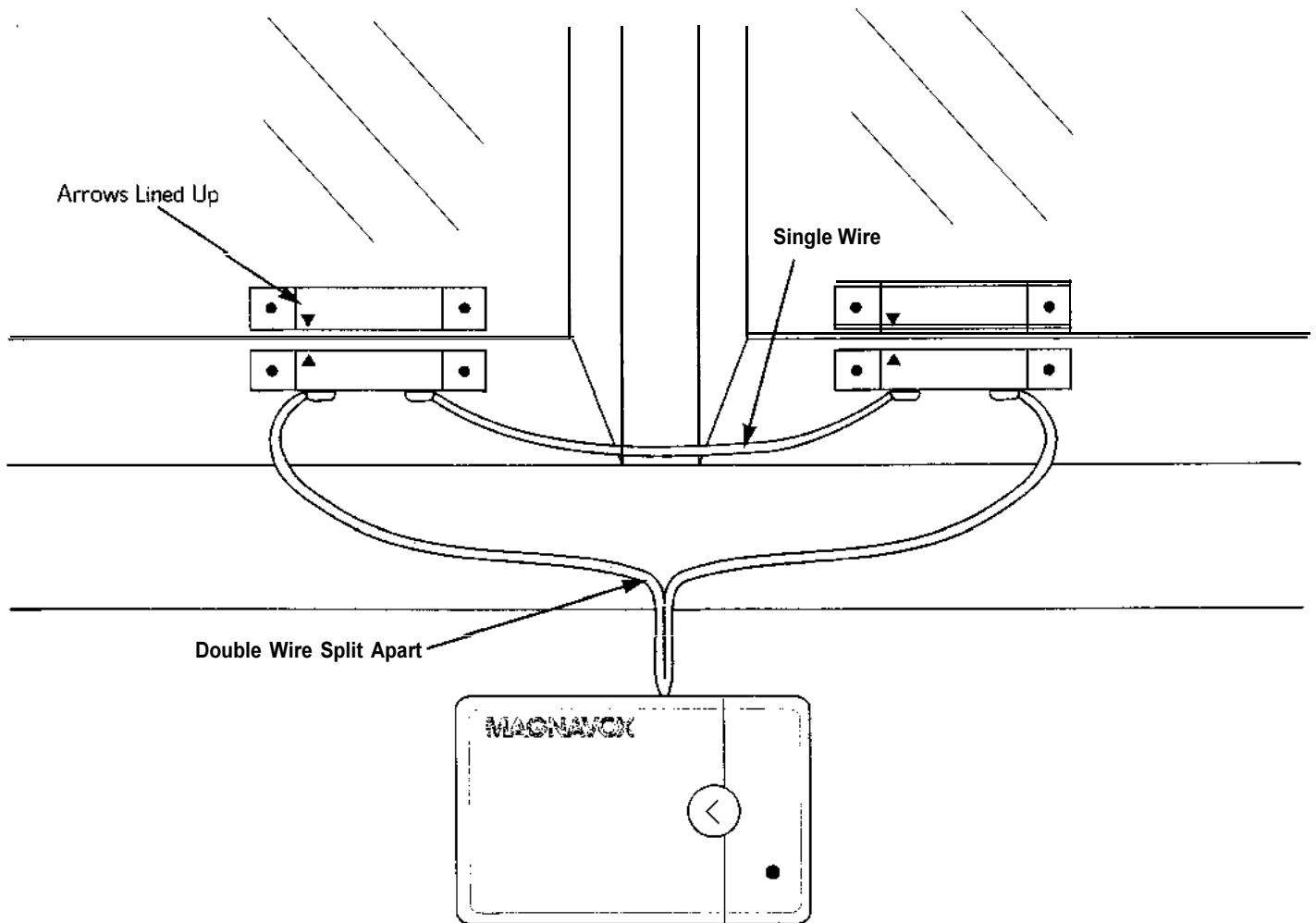
SMART TIP

Remote Siren Delay

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

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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.

Arrows Lined Up

Single Wire

Double Wire Split Apart

MAGNAVOX

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.

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MX2000/2500 Central Controller

ARM Light - Appears when your system is armed.

RECORD Light - Flashes anytime a key is pressed.

BAT. LOW Light - Appears when the Controller needs a new battery.

Slider Switch - Use to install and operate the system.
RUN 1: Operation Mode. Alarm does not sound when system is unarmed.
RUN 2: Operation Mode. System chimes when a secured door or window is opened and the system is unarmed.
INSTALL SEC: Allows you to install Sensors and Remotes, to clear false zones, and to program monitoring service.
INSTALL HA: Allows the system to "learn" your lighting patterns when used with the Lifestyle button.

PANIC Button - Instantly triggers the alarm.

Time Off Button - When in INSTALL HA, use to stop the system from "learning" your lighting habits.

Power Light - Appears when your system is turned on and plugged into an AC outlet.

ARM HOME Button - Instantly arms all Door/Window Sensors, but not Motion Detectors (optional accessory).

ARM AWAY Button - Arms all Door/Window Sensors and Motion Detectors (optional accessory) after a 60 second delay.

Zone Indicator Lights - Represents Sensors devices that have been assigned security zone numbers. Also indicates unit numbers when in INSTALL HA.

BYPASS Button - Press to view zone lights 9-16.

ENTER Button - Use when installing the Light Sensor and Lifestyle Mode.

DISARM Button - Enter your PIN and press DISARM to stop a PANIC alarm or to disarm the system.

MONITOR Button - Press to contact the professional monitoring service. Press to clear false zones when pressed with the TEL CODE button (while in INSTALL SEC).

Numbered Keypad - Use to select lamps/appliances to turn on/off; use to enter your PIN; and use to program professional monitoring..

UNIT ON/OFF Button - Use to turn lamps on and off.

BRIGHT/DIM Button - Use to brighten or dim lights attached to Lamp Units.

TEL CODE Button - Use to program your PIN.

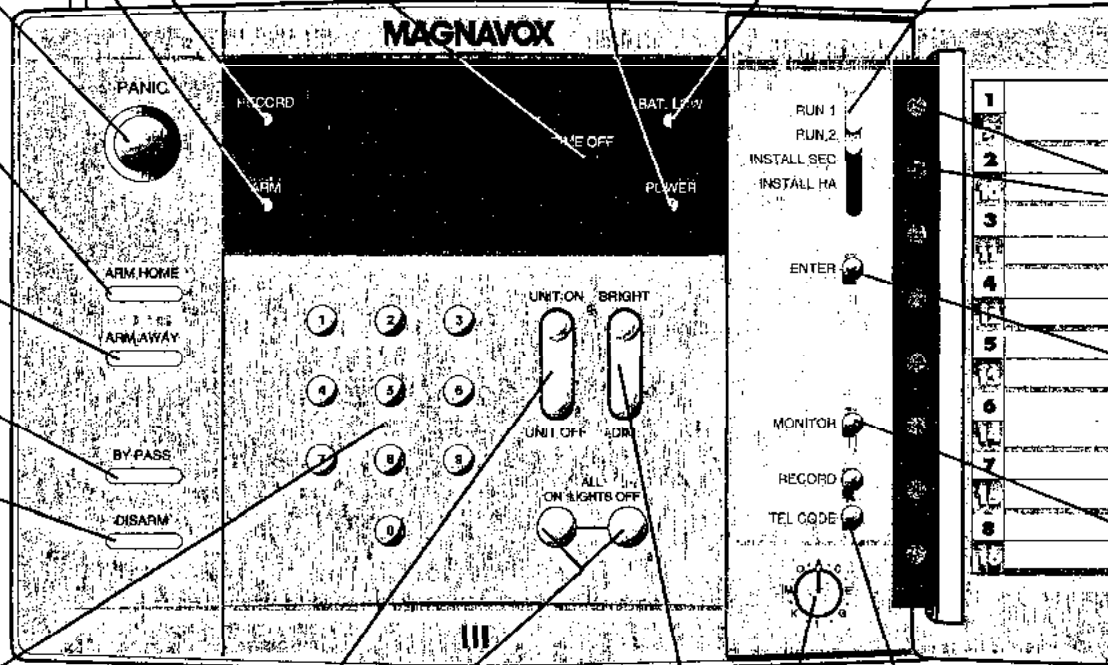**ALL LIGHTS Buttons -** Use to turn on or off all lamps connected to a unit.

House Code Dial - Use to set a house code with which your Central Controller operates its AC-powered devices.
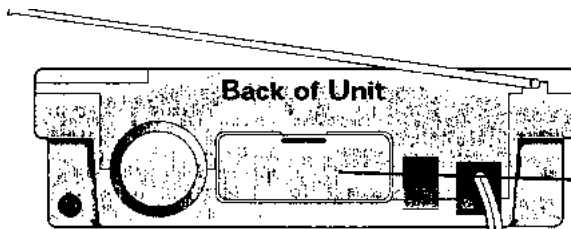
Battery Compartment - Insert one 9-volt battery here.

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).

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

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.

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

OFF Buttons -
Turns lights off when Slider Switch is set to I-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.

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.

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

Keychain Remote (MX2500 only)

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

ON Button -
Press to turn on lamp(s) set to Unit 1.

ARM Button (Instant/Away)-
Press from outside your home to instantly arm the system.

OFF Button -
Press to turn off lamp(s) set to Unit 1.

DISARM Button -
Press before entering your home to disarm the system.

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Magnavox Home Security Troubleshooting Guide

Problem	Possible Cause	Solutions
Lights wont turn on.	Lamp has been dimmed or lamp has been turned off manually.	Brighten or turn on selected lamp.
	Lamp hasnt been turned on manually	Manually turn on lamp.
	Lamp is set to different house code.	Change house code to match the Controller.
	Lamp is fluorescent.	Use incandescent lamp.
	Wrong unit number pressed on Remote.	Check the unit number on the Lamp Unit.
Lights wont turn on or off.	Buttons have not been pressed firmly enough.	Press buttons firmly. Make sure Record light flashes.
	Lamp Unit has been set to different house code than the Central Controller.	Set house code to match Central Controller.
	Remote has been set to different house code than Central Controller.	Set the Remotes house code to match the Central Controller.
	Remotes Slider Switch not in correct position for Lamp Unit number.	Move Remotes Slider Switch to correct position for Lamp Unit number (i.e. 1-8 or 9-16).
	Lamp Unit set to different unit code than unit number you are pressing.	Press correct unit code for the lamp.
	Lamp Unit connected to a wall outlet that is controlled by an on/off switch.	Make sure the wall outlet switch and the lamp are on.
Lights wont brighten/dim.	Lamp has built-in dimmer.	Lamps with built-in dimmers should not be used with Lamp Units.
	Lamp Unit not selected before pressing BIGHT/DIM.	Press desired Lamp Unit number before pressing BRIGHT/DIM.
Lights turn on randomly.	Neighbor has same house code.	Change house code on the Central Controller, Remote, and Lamp Unit.
Central Controller wont do anything.	No power.	Plug Central Controller into a wall outlet.
Cant enter Personal identification Number (PIN).	Buttons are not being pressed firmly enough.	Set switch on Central Controller to INSTALL HA. Firmly press TEL CODE button, enter your 3-digit PIN, then press the ENTER button.
	Slider Switch on Central Controller not in INSTALL HA position.	Move Slider Switch on the Central Controller to INSTALL HA position.
	System is armed.	Disarm system.
	Alarm has been triggered.	Disarm system.
	Remote Control has already been installed.	Set Central Controller to RUN 2, then press DIS-ARM on Remote. If the Controller chimes, the unit has already been installed.
Central Controller chimes randomly while installing Door/Window Sensors.	System was left in INSTALL SEC position. Sensor batteries were inserted too soon.	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.

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.	Re-enter correct PIN, then press DISARM button.
	Controller "locks up."	Unplug Central Controller from wall. Remove 9V battery. Reinstall battery. Plug Controller back into wall outlet.
	Full-Function Remotes Slider Switch in wrong position.	Set switch to SEC.
	PIN wasnt entered.	Enter PIN before pressing DISARM button on the Controller.
	Forgot PIN.	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.	Check PANIC button on Remotes and Central Controller.
	3-digit PIN and DISARM button not pressed.	Enter 3-digit PIN, then press DISARM button.
	PIN not entered correctly.	Set Central Controllers 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.

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Magnavox Home Security Troubleshooting Guide

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

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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."

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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

Standards and Approvals

FCC parts 68 and 15; UL

Auto Dialing

Line Seizure Delay Between Calls	3 seconds

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.

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