



All-In-One Wireless Security System V2.0

Model #: MG-6160



X10 Operation User Guide

We hope this product performs to your complete satisfaction. Should you have any questions or comments, please visit www.paradox.com and send us your comments.



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Introduction

X10 is a communication protocol for remote control of electrical devices such as lamps and appliances. Communication is accomplished through standard household electrical wiring using X10 transmitters and receivers. Magellan can be set as an X10 controller and when used in conjunction with X10 transmitters, Magellan can be used to automate one's home. Therefore, you can use Magellan to either manually or automatically turn ON or OFF lamps, televisions, etc. The Magellan console can support a maximum of eight X10 receivers or outputs.

Accessing the X10 Setup Menu

The X10 Setup menu is where you configure your X10 House Code and X10 receivers. To access the X10 Setup menu:



Ready to Arm
menu

1. Press the right **[ACTION]** key (menu) to access the User menu.



8-UTILITY SETUP
ok next exit

2. Press the center **[ACTION]** key (next) seven times to scroll to the Utility Setup menu and then press the left **[ACTION]** key (ok).



5-X10 Setup
ok next exit

3. Press the center **[ACTION]** key (next) four times to scroll to the X10 Setup menu and then press the left **[ACTION]** key (ok). Within this menu, you can perform any of the following options:
 - Press the left **[ACTION]** key (ok) to program the present X10 feature.
 - Press the center **[ACTION]** key (next) to scroll through all other X10 programming features.
 - Press the right **[ACTION]** key (exit) to exit the X10 Setup menu.

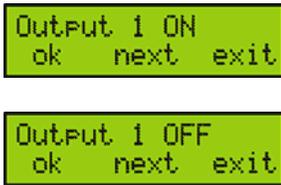
Enabling/Disabling the X10 Outputs

When programming Magellan's X10 outputs from within the X10 Setup menu (see "Accessing the X10 Setup Menu" on page 2), you will be instructing Magellan whether to activate or deactivate one or more X10 outputs. You have the choice of either activating or deactivating ALL the outputs at once or individual outputs.

Every X10 output comes in two states, ON and OFF and is displayed in separate screens as shown in Figure 1 on page 3. The following applies when enabling or disabling X10 outputs:

- Press the left **[ACTION]** key (ok) or press the appropriate key from the Center keypad to enable or disable the displayed X10 state. A checkmark will appear in the upper right corner of the screen and the appropriate key will be illuminated. See Figure 1 on page 3 for more information.
- Press the center **[ACTION]** key (next) to proceed to the next X10 output state.
- Press the right **[ACTION]** key (exit) to save your programming and to exit.

Figure 1: Enabling/Disabling the X10 Outputs



Every X10 output is displayed in two screens. Each screen represents an X10 state: ON or OFF.



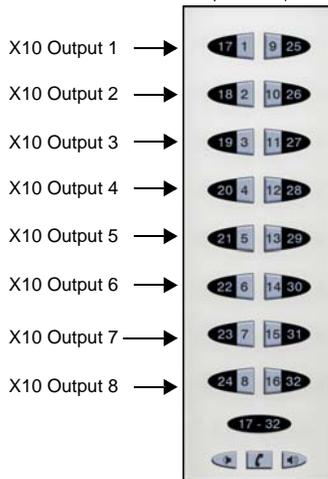
Use this feature to turn ON or OFF all programmed X10 outputs at the same time.



The checkmark indicates that this particular X10 output state is enabled.

Keys 1 to 8: ON state
for X10 outputs 1 to 8

Keys 9 to 16: OFF state
for X10 outputs 1 to 8



The Center keypad can also be used to enable or disable X10 output states.

- Keys 1 to 8 represent the ON states of X10 outputs 1 to 8.

- Keys 9 to 16 represent the OFF states of X10 outputs 1 to 8.

- When a key is illuminated, it means that the output state of the X10 output associated with the illuminated key is enabled.

- If neither key is illuminated, that means that the X10 output will turn neither ON or OFF.

Example: The keypad on the left demonstrates that X10 outputs 1, 5 and 6 are configured to turn ON when the programmed schedule, action or event occurs. X10 output 2 is configured to turn OFF when the programmed schedule, action or event occurs. X10 outputs 3, 4, 7 and 8 are disabled and will neither turn ON or OFF.

House and Unit Codes

The Magellan console will be assigned a House Code from A to P while all assigned X10 receivers are assigned a specific address consisting of the same House Code as the console as well as a unique Unit Code from 1 to 8. This is how Magellan will know which X10 receiver to activate and/or deactivate which will in turn activate and/or deactivate its corresponding device.

Programming Magellan's House Code

1. Access the X10 Setup menu (see "Accessing the X10 Setup Menu" on page 2).
2. Press the center **[ACTION]** key (next) to scroll to the House Code menu. Press the left **[ACTION]** key (ok) to program Magellan's House Code.



```
House Code : A
ok  next  exit
```

3. Select the desired House Code. Within this menu, you can perform any of the following options:
 - Press the left **[ACTION]** key (ok) to select and save the present House Code. Pressing this key will also exit you from the House Code menu.
 - Press the center **[ACTION]** key (next) to scroll through the available House Codes (from A to P).
 - Press the right **[ACTION]** key (exit) to exit the screen and to return to the previous screen.

X10 Programming

Magellan offers a variety of programming choices for your X10 outputs (receivers). The X10 outputs can be programmed to follow a time schedule or a specific event. You can select all X-10 outputs to be affected at the same time or select specific X10 outputs to be affected.

X10 Activation/Deactivation On Time

This programming option configures the X10 outputs to activate or deactivate by following a daily time schedule. There are two time schedules that can be programmed. To configure the X10 outputs with this feature:

1. Access the X10 Setup menu (see “Accessing the X10 Setup Menu” on page 2).
2. Press the left **[ACTION]** key (ok) to program Magellan’s X10 On Time feature.
3. Press the left **[ACTION]** key (ok) to program the first time schedule.
4. Depending on the time format being used within the system (see the *Magellan Reference and Installation Manual*), enter the time you wish the first time schedule to take effect and then press the left **[ACTION]** key (ok) to save and continue.
5. Configure the X10 outputs you wish to activate or deactivate with the schedule and then press the right **[ACTION]** key (exit). See “Enabling/Disabling the X10 Outputs” on page 2 for more information.
6. Press the left **[ACTION]** key (ok) to program a second time schedule.
7. Depending on the time format being used within the system (see the *Magellan Reference and Installation Manual*), enter the time you wish the second time schedule to take effect and then press the left **[ACTION]** key (ok) to save and continue.
8. Configure the X10 outputs you wish to activate or deactivate with the schedule and then press the right **[ACTION]** key (exit). See “Enabling/Disabling the X10 Outputs” on page 2 for more information.

```
On Time?
ok  next  exit
```

```
Time 1?
ok  next  exit
```

```
Time: 03:32 AM
ok  PM  back
```

12-hour clock format

```
Time: 03:32
ok  back
```

24-hour clock format

```
Output 1 ON
ok  next  exit
```

```
Time 2?
ok  next  exit
```

```
Time: 05:32 AM
ok  PM  back
```

12-hour clock format

```
Time: 05:32
ok  back
```

24-hour clock format

```
Output 1 OFF
ok  next  exit
```

X10 Activation/Deactivation on Zone Open

Use this programming option to activate or deactivate your X10 outputs when a zone opens. The X10 outputs will remain activated/deactivated for 5 minutes. You can program a time period during which you want this programming option to be enabled. To configure the X10 outputs with this feature:

1. Access the X10 Setup menu (see “Accessing the X10 Setup Menu” on page 2).
2. Press the center **[ACTION]** key (next) and then press the left **[ACTION]** key (ok) to program Magellan's X10 On Zone Open feature.
3. Press the left **[ACTION]** key (ok) to select the zone you wish to use to activate or deactivate one or more X10 outputs. Within this menu, you can perform any of the following options:
 - Press the left **[ACTION]** key (ok) to configure the displayed zone.
 - Press the center **[ACTION]** key (next) to scroll through all other available zones.
 - Press the right **[ACTION]** key (exit) to exit the screen and to proceed.
4. Configure the X10 outputs you wish to activate or deactivate with the schedule and then press the right **[ACTION]** key (exit). See “Enabling/Disabling the X10 Outputs” on page 2 for more information.
5. Press the left **[ACTION]** key (ok) to program the times you wish the programmed X10 outputs to activate or deactivate.
6. Press the left **[ACTION]** key (ok) to program the Start Time of the schedule. Depending on the time format being used within the system (see the *Magellan Reference and Installation Manual*), enter the time you wish the second time schedule to take effect and then press the left **[ACTION]** key (ok) to save and continue.
7. Press the left **[ACTION]** key (ok) to program the Stop Time of the schedule. Depending on the time format being used within the system (see the *Magellan Reference and Installation Manual*), enter the time you wish the second time schedule to take effect and then press the left **[ACTION]** key (ok) to save and continue.
8. Return to step 3 to program another zone. If not, press the right **[ACTION]** key (exit) to exit the menu.

```
On Zone Open?
ok  next  exit
```

```
1-Select Zone
ok  next  exit
```

```
Zone 01
ok  next  exit
```

```
Output 1 ON
ok  next  exit
```

```
2-Zone Schedule
ok  next  exit
```

```
Start Time?
ok  next  exit
```

```
Time: 03:32 AM
ok  PM  back
```

12-hour clock format

```
Time: 03:32
ok  back
```

24-hour clock format

```
Stop Time?
ok  next  exit
```

```
Time: 05:32 AM
ok  PM  back
```

12-hour clock format

```
Time: 05:32
ok  back
```

24-hour clock format

X10 Activation/Deactivation on Remote Button

Magellan's X10 outputs can be programmed to activate or deactivate when a button on your remote control is pressed. To configure the X10 outputs to do so:

1. Access the X10 Setup menu (see "Accessing the X10 Setup Menu" on page 2).
2. Press the center **[ACTION]** key (next) twice and then press the left **[ACTION]** key (ok) to program Magellan's X10 Remote Button feature.
3. Press the left **[ACTION]** key (ok) to program button 1 on your remote control to activate or deactivate an X10 output.
4. Configure the X10 outputs you wish to activate or deactivate with the Remote Button option and then press the right **[ACTION]** key (exit). See "Enabling/Disabling the X10 Outputs" on page 2 for more information.
5. Press the left **[ACTION]** key (ok) to program button 2 on your remote control to activate or deactivate an X10 output.
6. Configure the X10 outputs you wish to activate or deactivate with the Remote Button option and then press the right **[ACTION]** key (exit). See "Enabling/Disabling the X10 Outputs" on page 2 for more information.

```
Remote button?  
ok  next  exit
```

```
Remote Button 1?  
ok  next  exit
```

```
Output 1 ON  
ok  next  exit
```

```
Remote Button 2?  
ok  next  exit
```

```
Output 1 ON  
ok  next  exit
```

X10 Activation/Deactivation on Exit Delay

You can program Magellan's X10 outputs to activate or deactivate during the Exit Delay timer of your system. To do so:

1. Access the X10 Setup menu (see "Accessing the X10 Setup Menu" on page 2).
2. Press the center **[ACTION]** key (next) three times and then press the left **[ACTION]** key (ok) to program Magellan's X10 On Exit Delay feature.
3. Configure the X10 outputs you wish to activate or deactivate whenever your Magellan system initiates the Exit Delay timer and then press the right **[ACTION]** key (exit). See "Enabling/Disabling the X10 Outputs" on page 2 for more information.

```
On Exit Delay?  
ok  next  exit
```

```
Output 1 ON  
ok  next  exit
```

X10 Activation/Deactivation when System Armed

Use this option to activate or deactivate Magellan's X10 outputs when your system is armed. To do so:

1. Access the X10 Setup menu (see "Accessing the X10 Setup Menu" on page 2).
2. Press the center **[ACTION]** key (next) four times and then press the left **[ACTION]** key (ok) to program Magellan's X10 When Armed feature.
3. Configure the X10 outputs you wish to activate or deactivate whenever your Magellan system is armed and then press the right **[ACTION]** key (exit). See "Enabling/Disabling the X10 Outputs" on page 2 for more information.

```
When Armed?  
ok  next  exit
```

```
Output 1 ON  
ok  next  exit
```

X10 Activation/Deactivation on Entry Delay

The X10 outputs can be programmed to activate or deactivate whenever either or both of Magellan's Entry Delay timers are initiated. To do so:

1. Access the X10 Setup menu (see "Accessing the X10 Setup Menu" on page 2).
2. Press the center **[ACTION]** key (next) five times and then press the left **[ACTION]** key (ok) to program Magellan's X10 On Entry Delay feature.

```
On Entry Delay?  
ok  next  exit
```

```
Output 1 ON
ok  next  exit
```

3. Configure the X10 outputs you wish to activate or deactivate whenever your Magellan system initiates either or both of its Entry Delay timers and then press the right **[ACTION]** key (exit). See “Enabling/Disabling the X10 Outputs” on page 2 for more information.

X10 Activation/Deactivation on Alarm

Program your X10 outputs to activate or deactivate during an alarm. To do so:

1. Access the X10 Setup menu (see “Accessing the X10 Setup Menu” on page 2).
2. Press the center **[ACTION]** key (next) six times and then press the left **[ACTION]** key (ok) to program Magellan’s X10 On Alarm feature.
3. Configure the X10 outputs you wish to activate or deactivate whenever your Magellan system goes into alarm and then press the right **[ACTION]** key (exit). See “Enabling/Disabling the X10 Outputs” on page 2 for more information.

```
On Alarm?
ok  next  exit
```

```
Output 1 ON
ok  next  exit
```

Manually Activating/Deactivating X10 Outputs

Magellan’s X10 outputs can be manually activated or deactivated through Magellan’s Center keypad or through the Action keys.

Using the Center Keypad

1. Press the **[*]** key.
2. Press keys **[1]** to **[8]** from the Center keypad to activate X10 outputs 1 to 8.
3. Press keys **[9]** to **[16]** from the Center keypad to deactivate X10 outputs 1 to 8.
4. Press the **[*]** key to exit.

*Example: You wish to turn ON two lamps and to turn OFF another lamp. One is connected to X10 output 1, the second is connected to X10 output 6 and the third lamp is connected to X10 output 8. You want the first two lamps to be turned ON. You press the **[*]** key and then you press the **[1]** and **[6]** keys from the Center keypad. You want to last lamp to be turned OFF. You press the **[16]** key from the Center keypad.*

Using the Action Keys

1. Press the **[*]** key.
2. Press the left **[ACTION]** key (on) to activate the X10 output displayed on the screen. Press the center **[ACTION]** key (next) to scroll to the desired X10 output. Press the right action key (off) to deactivate the X10 output displayed on the screen.
3. Press the **[*]** key to exit.

*Example: You wish to turn ON a lamp connected to X10 output 4 and to turn OFF a lamp connected to X10 output 7. You press the **[*]** key and then you press the center **[ACTION]** key (next) to scroll to output 4. You then press the left **[ACTION]** key (on) to activate output 4. You press the center **[ACTION]** key (next) to scroll to output 7. You then press the right **[ACTION]** key (off) to deactivate output 7.*

Limited Warranty

Paradox Security Systems Ltd. ("Seller") warrants its products to be free from manufacturing defects in materials and workmanship for one-year following the date of manufacture. Seller will, within this period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user. This warranty will not apply to any equipment, or any parts thereof, which have been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

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In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned to the indicated RMA location by the security professional, shipping costs prepaid and insured. After repair or replacement, Seller assumes the cost of returning products under warranty. Seller will have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling, reassembly or reinstallation charges.

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SELLER STRONGLY RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED MONTHLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following: criminal tampering, electrical or communication disruption, or improper use, it is possible for the system to fail to perform as expected. Seller does not represent that the product/system may not be compromised or circumvented or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling 911, the police and/or fire department, in order to mitigate the possibilities of harm and/or damage.

Seller is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to Seller's original selling price of the product in question, regardless of the cause of such loss and/or damage.

Some locations do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liabilities for ordinary or gross negligence, therefore the above limitations may be reduced and/or not apply to you. This warranty gives you specific legal rights and you may also have additional rights depending on the location.

Limitations of Alarm Systems

It must be understood that while your Paradox alarm system is highly advanced and secure, it does not offer any guaranteed protection against burglary, fire or other emergency (fire and emergency options are only available on certain Paradox models). This is due to a number of reasons, including but not limited to inadequate or improper installation/positioning, sensor limitations, battery performance, wireless signal interruption, inadequate maintenance or the potential for the system or telephone lines to be compromised or circumvented. As a result, Paradox does not represent that the alarm system will prevent personal injury or property damage, or in all cases provide adequate warning or protection.

Your security system should therefore be considered as one of many tools available to reduce risk and/or damage of burglary, fire or other emergencies, such other tools include but are not limited to insurance coverage, fire prevention and extinguish devices, and sprinkler systems.

We also strongly recommend that you regularly maintain your security systems and stay aware of new and improved Paradox products and developments.

Warning for Connections to Non-Traditional Telephony (eg. VoIP)

Paradox alarm equipment was designed to work effectively around traditional telephone systems. For those customers who are using a Paradox alarm panel connected to a non-traditional telephone system, such as "Voice Over Internet Protocol" (VoIP) that converts the voice signal from your telephone to a digital signal traveling over the Internet, you should be aware that your alarm system may not function as effectively as with traditional telephone systems.

For example, if your VoIP equipment has no battery back-up, during a power failure your system's ability to transmit signals to the central station may be compromised. Or, if your VoIP connection becomes disabled, your telephone line monitoring feature may also be compromised. Other concerns would include, without limitation, Internet connection failures which may be more frequent than regular telephone line outages.

We therefore strongly recommend that you discuss these and other limitations involved with operating an alarm system on a VoIP or other non-traditional telephone system with your installation company. They should be able to offer or recommend measures to reduce the risks involved and give you a better understanding.

