

VK47A X10 MP3 REMOTE WITH RF RECEIVER

OWNER'S MANUAL

- READ THIS FIRST! -

SAFETY CONSIDERATIONS

Remember to exercise good common sense when using the Home **Automation features of your MP3** Remote - especially when controlling unattended devices. There can be some unexpected consequences if not used with care. For example, an empty coffee pot can be remotely turned on. If that should happen, your coffee pot could be damaged from overheating. If an electric heater is turned on by remote control while clothing is draped over it, a fire could result. DO NOT USE the remote for the control of high power heating appliances such as portable heaters.

Caution: To reduce the risk of electric shock, do not disassemble any part of the Home Automation System's plug-in Modules or Controllers. No user-serviceable parts are inside. If you spill liquid on a unit, disconnect the unit from the AC outlet to prevent possible fire or shock hazard and consult authorized service personnel.

Powerline operated equipment or accessories connected to any of these units should bear the UL listing or CSA certification mark and should not have been modified in any way that might defeat their safety features.

Warning: To prevent electric shock hazard, do not expose any part of the Home Automation System to rain or moisture

FCC CAUTION

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

This equipment generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturers instructions, it may cause interference to radio and television reception. It has been type tested and found to comply with the limits for remote control devices in accordance with the specifications in Sub-Parts B and C of Part 15 of FCC Rules, which 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, try to correct the interference by one or more of the following measures.

- Reorient the antenna of the radio/TV experiencing the interference.
- Relocate the product with respect to the radio/TV.
- Move the product away from the radio/TV.
- Plug the product into an outlet on a different electrical circuit from the radio/TV experiencing the interference.
- If necessary, consult your local Dealer for additional suggestions.

NOTE: Modifications to this product will void the user's authority to operate this product.





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Introduction

Congratulations on your purchase of the X10 MP3 Remote.

The X10 MP3 Remote lets you play MP3 files, DVDs, and CDs, in your PC. Now you don't have to be sitting at your PC to play your MP3 files. Just a click of a button on the MP3 remote, from across the room does the trick!

The MP3 remote is also a Universal Remote so you can use it to control your TV, VCR, cable box, etc.

And the handy X10 buttons let you control almost any light/appliance in your home - even in another room! It's easy to set up. Within minutes, you can be using your MP3 Remote to play your favorite MP3 files, and then dim the lights while you relax to your favorite music.

Here are just some of the things you can do with your X10 MP3 Remote...

- Play your favorite MP3 files from the comfort of your armchair.
- Play DVDs in your PC without even having to be in the same room.
- Play CDs in your PC at the touch of a button.
- Control all your A/V equipment, TVs, VCRs, cable boxes, etc.
- Control almost any light or appliance in your home.

Use this manual to become familiar with your MP3 Remote....

First, it explains how to set up your MP3 Remote to play MP3 files, DVDs, or music CDs using your PC.

Next, it shows you how to set up the remote to control your TV, cable box, etc.

Next it shows you how to set up an X10 Transceiver Module and Lamp Module (sold separately) so you can use the MP3 Remote to control lights and appliances in your home.

Lastly, the manual shows you how you can expand your system with some of the additional X10 products you can buy.



——SETTING UP —— YOUR MP3 REMOTE

The X10 MP3 Remote lets you play MP3 files, DVDs, and CDs, in your PC. It's also a Universal Remote and it also controls lights an appliances. The button descriptions below are therefore split into three sections:

PC BUTTON DESCRIPTIONS

The following buttons perform special PC functions after you press the PC mode button:

POWER

PLAY, REW, FF, STOP, PAUSE CHAN +/-, VOL +/-, MUTE NUMBERS 0..9

PC

Press to access PC mode functions: MP3, DVD, and CD.

POWER

Launches software application after pressing PC followed by MP3, DVD, or CD. Also works just like your original remote in other modes (TV, VCR, etc.).

PLAY, REW, FF, STOP, PAUSE

Controls MP3, DVD, and CD player in PC mode. Also works just like your original remote in VCR mode.

CHANNEL, VOLUME, MUTE

Controls MP3, DVD, and CD player in PC mode. Also works just like your original remote in TV mode.

0-9

Works like your original remote.

Digits 1, 2 and 3 also function as MP3, DVD, and CD function buttons respectively (after you press the PC button). When in MP3, DVD, and CD modes the Play, Stop, FF, Rew, and Pause buttons control your MP3, DVD, or CD player.

A/V BUTTON DESCRIPTIONS

REC

Works the same as on your original remote in VCR mode.

TV, VCR, CBL, PC, SAT, DVD

Used to select the device to control. SAT includes DSS receivers. PC accesses the MP3, DVD, and CD features. DVD is used for setting up and controlling a regular DVD player (not one installed in your PC).

TITLE

Selects another title (if available) on the DVD, in DVD mode.

SUBTITLE

Toggles DVD Subtitle selection On/Off, in DVD mode.

DISPLAY

Toggles DVD track/time/audio/subtitle/title information on and off the screen, in DVD mode.

RETURN

Returns to a previous menu.

UP/DOWN/LEFT/RIGHT DVD KEYS

Menu navigation.

OK

Menu Select/OK/Enter button.

MENU

Toggles DVD Menu on/off.

EXIT

Clear/Exit function.

SKIP BACK

Skip back to previous Chapter/Title.

SKIP FORWARD

Skip forward to next Chapter/Title.

RECALL

Last play/repeat.

SET UP

Used for programming the remote.

A-B

Toggles between TV and Video mode.

ENT

Enter, same as your original remote.







X10 BUTTON DESCRIPTIONS

FOUR X10 ON/OFF KEYS

Lets you control X10 modules to operate lamps and appliances around the home.

LIGHTS ON

Lets you turn all Lamp Modules and Wall Switch Modules on at the same time.

ALL OFF

Lets you turn all Modules (including Appliance Modules) off at the same time.

SETTING UP THE REMOTE

 Push the tab and lift off the battery cover.



2. Fit four AAA alkaline batteries, taking care to match the + and - marks in the battery compartment.



SETTING UP THE RECEIVER

- 1. Shut down your PC.
- Plug the cord on the MR26A Receiver into the serial port on your PC. Locate the receiver as far away from your PC and your monitor as its cord allows.
- 3. Reboot your PC (turn it on). The red LED power indicator on the receiver should be on.

SETTING UP THE SOFTWARE

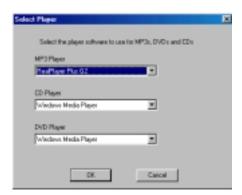
X10's BOOM software lets you control an MP3 player application from the MP3 Remote. It works with Windows Media Player, WinAmp, ReallukeBox, etc. which you must previously have installed. It also controls a software DVD player and CD player in your PC. Use your Web Browser to download the BOOM software from:

http://www.x10.com/support/ support_soft.htm

- 2. Launch the installer.
- 3. Follow the instructions in the installer. After installation is complete the Boom software automatically launches and picture like the one below appears.



4. Right- click on the BOOM window and select applications for each of the modes (i.e. MP3, CD, DVD). Note, if you don't have any DVD or CD application, leave the selection box blank or set it to the same application as a previous selection. i.e. in the window below there was no DVD player installed so it was left the same as the Windows Media Player.



5. Click the OK button to save the choices.

You are now ready to use the PC remote.





- 1. Press the PC button.
- Select the appropriate mode (MP3, DVD, or CD) by pressing 1, 2, or 3.
 The Media shown in the Boom window changes to MP3, DVD, or CD depending on the button you pressed.
- Press the Power button. The desired application (MP3, DVD, or CD player) is launched.

You can press Play, Stop, FF, Rew, Pause, Mute, Vol Up, Vol Down, etc., on the MP3 Remote and it operates your onscreen MP3 player, DVD player, or CD player, just as if you were clicking the buttons on your PC screen.

For more information, click on ? on the BOOM screen for help.

Note, in addition to letting you control an MP3 player installed in your PC, the BOOM program also lets you control a DVD and CD player installed in your PC.

If you press PC, then DVD (the number 2 button), the Play, Stop, Pause buttons, etc. on the remote operate a DVD player installed in your PC.

(The DVD button at the top of the remote operates a regular DVD player).

Likewise, If you press PC, then CD (the number 3 button), the Play, Stop, Pause buttons, etc. on the remote operate a CD player installed in your PC.

The MP3 Remote is also a Universal Remote so you can use it to control a TV, VCR, cables box, etc. To do this see the following section.

SETTING UP FOR TV, VCR, CABLE, SATELLITE/DSS, & DVD

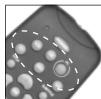
 Turn on the device you want to control (TV, VCR, cable box, satellite receiver, DVD, etc.).



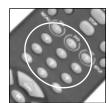
2. Press and hold SETUP until the LED indicator lights steadily. Release the SETUP button.



 Press and release the mode button for the device you want to control. The LED blinks once. Use VCR for Laser Disks.



4. Enter the 3 digit Code from the Library Code Tables. The LED turns off after the last digit entered.



Point the remote at the device and press the POWER button. Your device should turn off.



6. Turn your device on and press CHANNEL+. If the device responds, setup is complete.



Notes:

For CD players use the PC button (see IMPORTANT NOTE on page 25).

If your TV/VCR/Cable Box/Satellite Receiver/DVD Player does not respond, try the other codes for your brand. If it still doesn't respond, try the Code Search method on page 13.

If some buttons do not operate your equipment, try one of the other codes for your brand.





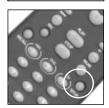
USING THE PC BUTTON TO CONTROL A SECOND TV, A VCR, CABLE BOX, SATELLITE RECEIVER, DVD PLAYER, LASER DISK PLAYER, OR CD PLAYER, ETC.

The PC button is normally used to access MP3, DVD, or CD players installed in a PC. It can be reprogrammed to control other items instead, but note that if you do so you will no longer be able to control PC functions. See Important note on page 25 before proceeding.

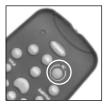
Turn on the equipment you want to control.



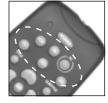
2. Press and hold SETUP until the LED indicator lights steadily. Release the SETUP button.



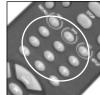
3. Press the PC button.



4. Press and release the mode button that matches the A/V equipment you want to control. The LED blinks once.



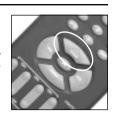
5. Enter the 3 digit Code from the Library Code Tables. The LED turns off after the last digit entered.



6. Point the remote at your A/V component and press the POWER button. Your A/V component should turn off.



7. Turn your A/V component on and press CHANNEL +. If it responds, setup is complete.

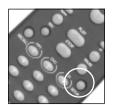


SEARCHING FOR CODES

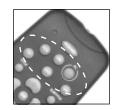
1. Turn on the device you want to control.



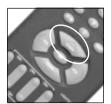
2. Press and hold SETUP until the LED indicator lights steadily. Release the SETUP button.



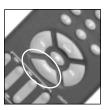
3. Press the mode button* that matches the equipment you want to control. The LED blinks once.



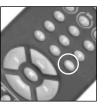
 Press CHANNEL + repeatedly** until the device to be controlled changes channel.



If you go past the code accidentally, just press CHANNEL - repeatedly until the channel changes again.



5. Press and release the ENTER button to complete the setup.







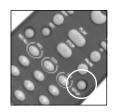


Notes: * When searching for, or identifying codes stored under PC, press PC before pressing the mode key.

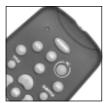
** You might have to press CHANNEL + many times (50+). If the device does not have a Channel Up function, use the PLAY button (VCR and DVD only) or the POWFR button.

IDENTIFYING CODES FOUND USING THE SEARCH PROCEDURE

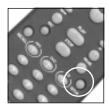
 Press and hold SETUP until the LED indicator lights steadily. Release the SETUP button.



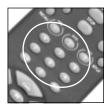
2. Press the mode button* that matches the equipment you want to identify. The LED blinks once.



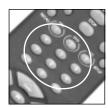
3. Press and release SETUP. The LED blinks once.



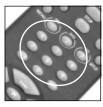
4. To find the first digit, press each number button from 0 to 9 until the LED blinks. The number that blinked is the first digit of the code.



Press each number button from 0 to 9 again as above to find the second digit.



 Press each number button in turn to find the third digit. When the third digit has been found, the LED will turn off.



HOME CONTROL

Your MP3 remote controls lights and appliances using X10 Modules (sold separately). Please read the following as it will give you an understanding of how Home Control (Home Automation) works and will help you understand what X10 Modules you will need to purchase to control most everything in your home.

CONTROLLERS AND MODULES

The first thing you need to understand is that there are two different devices you need to control your house; Controllers and Modules. Any light or appliance that you want to control is plugged into a

Module and that Module is then plugged into a standard AC outlet.



Controllers are also plugged into standard wall outlets and send commands to Modules over your existing electrical wiring in your house without affecting your electricity in any way.

The Transceiver Module works as a controller when it is used with a remote control such as the MP3 Remote. When the Transceiver Module receives a command from a remote it sends digital signals over your existing house wiring to a Module which receives the signals and executes the command.









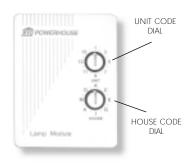
The remote uses radio frequency (RF) signals to send commands to the Transceiver module. RF signals can go right through walls, so you can use the remote to control lights or appliances from anywhere in your home.

House Codes and Unit Codes

Each Module has a specific address made up of a House Code (red dial on the face of the Module) and a Unit Code (black dial on the face of the Module).

The Remote sends a wireless signal to a Transceiver which retransmits it over the AC wiring to the Module. Only the Module with a matching address executes the command. If more than one Module has the same address, both Modules execute the command.

Addresses are set on the Module by turning the two dials on the front of the Module to the desired letter and number (using a small screwdriver or a coin). The House Code is selected from the letters A through P, and the Unit Code is selected from the numbers 1 through 16.



TRANSCEIVER MODULE

The Transceiver Module (sold separately) receives radio frequency (RF) commands from the MP3 Remote to operate a lamp or appliance plugged into it. The Transceiver Module also passes on commands over your house wiring to control other X10 modules (also sold separately). Note that unlike the Lamp Module you cannot dim or brighten a lamp connected to the Transceiver Module.

You should locate the Transceiver Module centrally in the home for maximum range when controlled by the MP3 Remote.

1. Set the House Code to 'A.'



2. Plug a lamp or appliance into the Transceiver Module.



 Plug the Transceiver Module into a convenient AC outlet. Fully extend the antenna.



LAMP MODULE

The Lamp Module (sold separately) can be used to control any incandescent lamp rated up to 300W. It is not suitable for other types of lamp such as fluorescent or energy saving lamps, or lamps which include a dimmer control.

1. Set the House Code to 'A' and the Unit Code to '2.'



2. Plug a lamp into the Lamp Module.



3. Plug the Lamp Module into a convenient AC outlet.







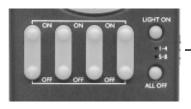




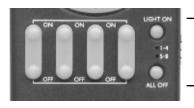
CONTROLLING X10 MODULES

If you have purchased and installed a Transceiver Module, you can control it and other X10 modules as follows:

The 4 rocker keys at the bottom of the remote will control X10 Modules set to 1, 2, 3, and 4, from left to right. Press the top of the rocker key to turn the Module ON. Press the bottom of the rocker to turn the Module OFF. Press and hold the top rocker to brighten, and the bottom rocker to dim lights connected to Lamp Modules and Wall Switch Modules (does not dim or brighten Appliance Modules, but turns them on if they were off).



Use the slide switch on the side of the remote to select control of X10 Modules set to 1-4 or 5-8.



The Lights On button turns on ALL lights connected to Lamp Modules and Wall Switch Modules (set to the same Housecode as the remote). This button does not affect Appliance Modules.

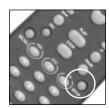
The All Off button turns off ALL X10 Modules set to the same Housecode as the remote, including Appliance Modules.

These 4 rocker keys give instant control of 4 X10 Modules set to Unit Codes 1-4 or 5-8 no matter what mode you are in (TV, VCR, etc.).

CHANGING THE X10 SLIDE SWITCH SETTING:

You can change 1-4/5-8 slide switch to allow you to control X10 Modules set to 9-12/13-16:

1. Press and hold SETUP until the LED indicator lights steadily. Release the SETUP button.



2. Press and hold the ALL OFF button (LED blinks off) for about 8 seconds until the LED indicator turns off.



The above procedure changes the switch on the side of the remote to control X10 Modules set to 9-12 or 13-16. To change it back to 1-4/5-8, repeat the above procedure, pressing LIGHTS ON instead of ALL OFF.





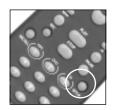


CONTROLLING ALL 16 UNIT CODES

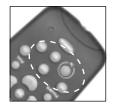
You can set any mode key (except TV) to become an "X10" key. You could for example make SAT an X10 key. Pressing SAT then puts you in X10 mode and lets you control all 16 X10 Modules (set to the same Housecode as the remote).

Note: Do not set PC to be an X10 key as you will then not be able to access any of the MP3, etc., features of the remote. See IMPORTANT note on page 25

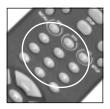
 Press and hold SETUP until the LED indicator lights steadily. Release the SETUP button.



2. Press and release any mode button (except TV), e.g. SAT.



3. Press 000.*



Once in X10 mode you can control any X10 Module by pressing the number button corresponding to its Unit Code, followed by the appropriate function key as follows:

X10 FUNCTIONS:

On: CHANNEL +
Off: CHANNEL Bright: VOLUME +
Dim: VOLUME All Lights On: POWER
All Units Off: MUTE

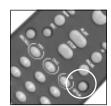
Notes: You cannot dim or brighten an Appliance Module. If the module was off and you press Bright or Dim (VOLUME + or VOLUME -) this will simply turn the module on.

* The above procedure sets the remote to transmit X10 RF codes to any X10 Transceiver. If you want it to transmit X10 IR codes to an IR543 Console press 001 in step 3 above instead of 000.

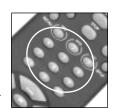
CHANGING THE X10 House Code:

The MP3 Remote defaults to House Code A, and in most cases you will not need to change this unless you are experiencing interference from a neighboring X10 system.

 Press and hold SETUP until the LED indicator lights steadily. Release the SETUP button.



2. Use the number buttons to enter the number equivalent to the desired House Code (1=A, 2=B ...16=P).



Press ENTER or OK to confirm the House Code. The LED turns off.



Note: The House Code you choose must match the House Code on the X10 Transceiver and Modules you are using it with.



- Expanding Your System

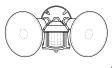
The modules illustrated below represent just a few of the wide range of X10 compatible Modules you can choose from to expand your Home Automation system. They are available from electrical outlets, department stores and mail order catalogs.

X10 Home Automation products also integrate with X10 security systems, so you can use the security remotes that come with them to control macros and flash lights when the security system is tripped.

Visit our Web Site at: **www.x10.com** for more information on these and many other X10 products.

Use the **Mini Timer MT10A** to program up to 4 X10 Modules to go on and off up to twice a day.





The **Dual Floodlight Motion Detector PR511**turns on at dusk and/or when it detects movement, and sends X10 signals to control other modules, or trigger ActiveHome macros.

Fit a Wireless Wall Switch SS13A/ SS15A anywhere you need an extra switch - with no wires. Sends commands to the Transceiver / Module just like a remote.





The **PowerFlash Module PF284** connects to dry contact or low voltage alarm terminals on your burglar alarm system and flashes X10 controlled lights when it is triggered.



Switch entrance or garage lights on from your car with the convenient **Keychain Remote KR21A**.

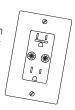
Replace your existing wall switches with the **Wall Switch Module WS467**. Installs like a regular dimmer. On/Off and Bright/Dim functions. Other models available for 3-way and fluorescent lighting.





Control a ceiling light, closet light, etc. with the convenient **Screw-in Lamp Module LM15A.**

Replace existing AC wall outlets with the **Receptacle Module SR227**. Has one 15A/1800W controlled outlet and one outlet which is always on.





Use a controller to trigger the **Remote Chime Module SC546** to call Dad up for dinner, or warn people you're about to turn on the sprinklers.

Use the isolated contacts on the **Universal Module UM506** to control pool pumps, sprinklers, drapes and other low voltage equipment. Includes built in warning beeper.





The Thermostat Setback
Controller TH2807
mounts below your
thermostat to reduce the
room temperature at night
or at the times you set to
save energy. No wiring
needed to your existing
thermostat.

Plug in a **Heavy Duty Module HD245** to control 220V appliances such as air conditioners and water heaters.



Also compatible with FireCracker Computer Interface. See www.x10.com for details.









TROUBLESHOOTING-

If the remote doesn't do anything (no red light when you press any buttons)

 Check that the batteries are fitted properly (observe polarity). Replace with fresh alkaline AAA type.

If you cannot control your MP3, DVD, or CD payer in your PC (but can control other items, such as a TV, VCR, etc.).

- Check that you pressed the PC button before your pressed the MP3, DVD, or CD button. Then press Power to launch your MP3, DVD, or CD player.
- Make sure you have an MP3 player installed in your PC. The MP3 remote is compatible with ReallukeBox, MusicMatch, Windows Media Player, WinAmp, and many more. Check our Web site for more details when you download the Boom software for use with the MP3 remote.
- Note that the DVD button at the top of the remote controls a regular DVD player. Press PC then the # 2 button to control a DVD player in your PC.
- Check that you have configured the Boom software for the type of MP3 player you are using, see page 9.
- If you have reprogrammed the PC button to control something else, program it back to PC operation. See IMPORTANT note on page 25.
- Check that the receiver is properly connected to your PC's serial port and that the red LED power indicator on the receiver is on.
- Make sure the receiver is connected to your serial port BEFORE you install the Boom software. Reinstall it if necessary. If installation fails, make sure the software isn't running during installation. Do not change the port you are connected to after installation.
- Move the receiver as far away from your PC and monitor as its cable allows.

IMPORTANT NOTE

The default code for the PC button is 013. You might want to change this to use the PC button to control something else like an audio system, for example. Note however that if you do this the PC button will not let you access the MP3, DVD and CD (1, 2, 3, buttons). To reprogram the PC button to once again access these PC functions:

- 1. Press and hold SETUP until the LED indicator remains on.
- 2. Release SETUP.
- 3. Press and release the PC button.
- 4. Enter the 3 digit code 0, 1, 3
- 5. The LED indicator turns off after the last digit is entered.

If the Remote won't control your A/V equipment.

- Use manual controls or the original remote control to confirm the equipment is working properly.
- Be sure you pressed the device key for the device you want to control.
- Reenter the code for your A/V product from the code listings.
- Try searching for codes as described on page 13.
- Replace the Remote's batteries.

If the Transceiver Module doesn't respond to the remote:

- Check the House Code on the Transceiver Module is set to 'A.' If you have changed the House Code on the remote (see p. 21), check that it matches the House Code on the Transceiver Module.
- Press the ON/OFF button on the front of the Transceiver to confirm it operates the equipment connected to it.







WARRANTY

If the Transceiver Module works, but other Modules don't respond:

- Check that the Module has the same House Code as the Transceiver Module.
- Try plugging the Module into a different outlet.

Note: if you use an RF Transceiver (such as the RR501 or TM751) to control X10 Modules, you will be able to control up to 16 Modules. When using a Transceiver, when you press 1-6-ON you turn on Module number 16. However, if you use an IR543 Console, when you press 1-6-ON you turn on Modules 1 AND 6. The IR543 can only control 10 Modules (1-9 plus 0=10).

Caution: Do not connect an appliance such as a coffee pot or heater to the Lamp Module. It may damage the module and the appliance and could cause a fire hazard.

12 MONTH LIMITED WARRANTY

X10 (USA) INC. (X10) WARRANTS ITS PRODUCTS TO BE FREE FROM DEFECTIVE MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE ORIGINAL DATE OF PURCHASE AT RETAIL. X10 AGREES TO REPAIR OR REPLACE, AT ITS SOLE DISCRETION, A DEFECTIVE X10 PRODUCT IF RETURNED TO X10 WITHIN THE WARRANTY PERIOD AND WITH PROOF OF PURCHASE.

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X10.COM, INC.

3824 NORTH 5th St., SUITE C,

NORTH LAS VEGAS, NV 89030

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X10.com, Inc. 3824 North 5th St., Suite C, North Las Vegas, NV 89030

Web Site: www.x10.com E-mail: Sales@x10.com

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