

VCR Commander[™] 2

Whole-House RF to IR Converter

Model UX23A

The VCR Commander turns on your VCR and commands it to record pictures from an X10 camera (sold separately). The X10 camera transmits to a wireless receiver (sold separately) that you connect to your VCR. You set up the VCR Commander to send the commands for your VCR by teaching it the commands for your brand of VCR, from your existing VCR remote control. You also teach the VCR Commander to recognize X10 motion sensors. Then when someone moves and trips a HawkEye or EagleEye motion sensor, the VCR Commander turns on your VCR and tells it to record. You can use the VCR Commander with up to 4 motion sensors and 4 cameras. You set each motion sensor to control one of 4 cameras so that if any of the motion sensors sees movement it turns on the camera you have set it to control, and also activates the VCR Commander, which then operates your VCR. The VCR Commander has a Home and Away mode so you can set it not to operate your VCR while you are home. You can also control the VCR Commander from your PC using X10's FireCracker and its IR Commander software application (both sold separately).

HOW IT WORKS

First you teach the VCR Commander what IR codes it needs to transmit to control your VCR. You teach it these using your VCR's remote control.

Next you teach it to recognize up to 4 motion sensors that you will use to trigger it to send the commands to your VCR.

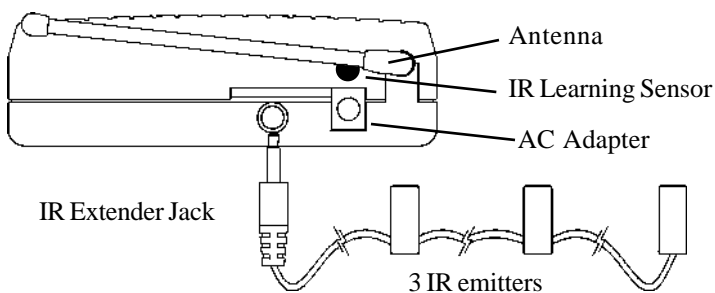
Next you install the VCR Commander near your VCR and attach its IR emitter to the front of your VCR near where it normally picks up the IR commands from its remote control.

Then when you walk into a room and trigger a motion sensor, it transmits a wireless Radio Frequency (RF) signal to the VCR Commander. The VCR Commander then transmits the IR codes you taught it. Each motion sensor also turns on the camera associated with it (up to 4 cameras).

Therefore if you taught the VCR Commander to send RECORD and STOP, it will tell your VCR to record the picture it receives from an X10 camera, and then stop recording 5 minutes after motion stops. If motion continues, the motion sensor will retrigger the VCR Commander so that it doesn't send the STOP command until there is no motion for a 5 minute period.

TO SET UP THE VCR COMMANDER

1. Plug the jack from the AC adapter (supplied) into the socket on the back of the VCR Commander, and plug the AC adapter into an AC outlet. Or (optionally) install four C cell alkaline batteries (not included) in the battery compartment on the bottom of the VCR Commander.
2. Place the VCR Commander near your VCR (up to 100 feet away from the motion sensor(s) you want to trigger it with).
3. Plug the IR Extender cable (supplied) into the back of the VCR Commander.
4. Attach the IR emitters on the IR Extender in front of the VCR you want to control.



TO LEARN IR CODES FROM YOUR VCR'S REMOTE

IMPORTANT

Do not program the VCR Commander to send the VCR's On/Off (Power) command. Most VCR's toggle on or off every time they receive this command. Therefore if you tell the VCR Commander to turn your VCR on and it's already on, it will turn off, and it won't record anything.

When using the VCR Commander always remember to just leave your VCR turned on.

1. Detach the IR Extender. It must be removed for learning.
2. Press and hold the VCR Commander's LEARN IR button until the red light stays on (now in Learn IR mode).
3. Release LEARN IR, the light stays on.
4. Press the VCR Commander's REC button. The light flashes for a while and then stays on.
5. Point your VCR remote at the sensor on the back of the VCR Commander (hold about 1-2 inches away) and press the VCR remote's Record button until the VCR Commander's light turns off for 1 second then turns back on. Note: on some remotes, you may have to press Record twice to send the command. You're probably going to have to hold down the Record button on your remote. Keep holding it until the VCR Commander's light blinks out momentarily, and then goes on. You've just learned the RECORD command. Quickly proceed to step 6.
6. Press the VCR Commander's STOP button. The light flashes for a while and then stays on.
7. Point your VCR remote at the sensor on the back of the VCR Commander (hold about 1-2 inches away) and press the VCR remote's Stop button until the VCR Commander's light turns off for 1 second then turns back on. You've just learned the STOP command.

Wait until the light turns off when you are finished teaching the Record and Stop commands. Reattach the IR extender cable.

Note if you wait too long between steps 5 and 6 (between learning the Record command and the Stop command) the VCR Commander will "time out" and you will need to start over from step 3.

If an error occurs while programming, the light will FAST FLASH and fast beep 8 times. If this happens repeat steps 1 through 9.

TO LEARN UP TO 4 MOTION SENSORS

1. Setup the motion sensors as per the instructions supplied with them. Set each one (up to 4) to a different Unit Code.
2. Press and hold LEARN MS (Motion Sensor) on the VCR Commander until the light stays on.
3. Release LEARN MS, the light stays on. (Now in LEARN MS (Motion Sensor) mode).
4. Press the House/On button on the motion sensor once.

The motion sensor transmits its House Code and Unit Code (wirelessly) to the VCR Commander which stores it in its memory. If learning is successful, the light turns off. (Exits LEARN MS mode).

If learning failed, i.e. the light didn't turn off after waiting for 30 seconds, the light flashes FAST for a while and then turns off. Repeat steps 2 through 4. Repeat above steps for each motion sensor you want to install.

HOME/AWAY MODE

The VCR Commander has a HOME and AWAY mode so you can set it not to operate your VCR while you are home

To toggle the VCR Commander between the HOME and AWAY modes press the STOP button (beeps) then hold button pressed for about 3 seconds, until you hear a long beep.

In HOME mode, the light is OFF. If the VCR Commander is triggered, it just beeps without sending any IR code to your VCR. While waiting to send the IR STOP code, a further trigger by a motion sensor will restart the 5 minute delay timer.

In AWAY mode, the light will SLOW FLASH. If the VCR Commander is in AWAY mode and is triggered by a motion sensor, it sends the IR code sequence as it was taught from your VCR's remote control. If a delayed IR STOP code was set, the LED will NORMAL FLASH for 5 minutes without beep before it sends the delayed IR STOP code.

IMPORTANT: when using the VCR Commander in AWAY mode, remember to turn your VCR ON before you leave home.

TO CLEAR ALL IR CODES FROM MEMORY

Press and hold CL on the VCR Commander until the light flashes and beeps. Release CL. The flashing and beeping continues for about 8 seconds then the light turns off and all IR codes are cleared from memory.

TO CLEAR ALL RF CODES FROM MEMORY

1. Press and hold LEARN MS on VCR Commander until the light stays on.
2. Release button, the light stays on. (Now in clear RF mode).
3. Press LEARN MS again. The light turns off and all RF codes are cleared from memory.

FLASH MODES:

SLOW FLASH is 1.6 second per flash of the red light.

NORMAL FLASH is 0.8 second per flash of the red light.

FAST FLASH is 0.2 second per flash of the red light.

NORMAL FLASH mode will be observed if the VCR Commander is busy or waiting to send the STOP IR remote code. It is busy when it is clearing the IR codes, in setup mode to learn IR codes, or when a motion sensor has been tripped.

FIRECRACKER OPERATION FROM YOUR PC

The FireCracker and its IR Commander software application lets you use your PC to tell the VCR Commander to send IR codes that you set up in the FireCracker's IR Commander software.

- A. Set up the FireCracker (sold separately) following the instructions that came with it.
- B. Download the X10 IR Commander program from:
www.x10.com/software
- C. Set up and Run the X10 IR Commander software following the instructions on X10's Web site and the help files included with the software.

After installing the program, right-click on your mouse to access the extensive help. This also accesses the Test Communications menu, which lets you change the COM port that the FireCracker works with. You can now use the IR Commander software to setup up the VCR Commander for your brand or VCR, TV, cable box, etc. and then control these items via the FireCracker from your PC.

Note, you can use the VCR Commander EITHER with your cameras, and motion sensors after teaching it your VCR commands from your existing VCR remote, OR use it as described above with the FireCracker from your PC, but not both. See the FireCracker help file for more information, or visit www.x10.com/support.

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 UNDESIRE OPERATION.

NOTE: Modifications to any of the components in this kit will void the user's authority to operate this equipment.

LIMITED 1-YEAR WARRANTY

X10.com, a division of X10 Wireless Technology, Inc. (X10) warrants X10 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.

Please visit www.x10.com/warranty to complete your on-line warranty registration. Thank you.

X10.com, a division of X10 Wireless Technology, Inc.
www.x10.com/support

www.x10.com[®]