

## EXHIBIT 5

### Installation and Operating Instructions

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**Retlif Testing Laboratories**

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# ActiveHome™ 2-Way Computer Interface (Model CM14A)

## Software and Hardware Setup Instructions

Congratulations on your purchase of the X-10® Home Automation Interface (Model CM14A) and the ActiveHome™ for Windows® software. ActiveHome provides an easy-to-use, easy-to-learn and powerful interface to the X-10 Home Automation Interface.

### ActiveHome features:

- ☺ Control any X-10 device in your home from your computer screen
- ☺ Create schedules to run the lights and appliances in your home 24 hours a day
- ☺ Define security schedules to make your home look lived-in while you're out of town
- ☺ Define macros that control groups of X-10 modules based on inputs received from remote controls, sensors, etc.

*These instructions contain important information that teaches you everything you need to know to start using ActiveHome.*

### System Requirements

PC compatible computer with Windows 95. (16 Meg RAM recommended)

VGA resolution display

Hard disk with at least 12 Megabytes of available disk space

One serial port with 9 pin connector for the X-10 Home Automation Interface.

### Installing the Hardware

Connect the supplied connecting cable to the CM14A Home Automation Interface and plug the other end into the serial port on your computer. Plug the Home Automation Interface into any nearby AC electrical outlet.

Install four AAA batteries into the battery compartment on the front of the Home Automation Interface.

Select a nearby lamp and make sure its on/off switch is on. Unplug the lamp and plug it into a Lamp Module (sold separately). Plug the Lamp Module into a nearby AC outlet.

### Installing the Software

1. Insert CD-ROM into drive D: (or disk 1 into drive A if you have ActiveHome on floppy disks)
2. For Windows 95 use the Add/Remove Programs from the Control Panel.
3. Follow the on-screen prompts.

If your CD-ROM drive/floppy drive is some other drive letter, substitute its letter in the instructions above.

ActiveHome will automatically detect a free serial port and configure itself for use with it.

**Concepts and Terms.** One of the first things you should do is read through the on-line help section entitled "Concepts and Terms." Once in ActiveHome, you can find this section by clicking on Help in the main menu bar and then selecting "Contents" from the pull down menu that appears. From the table of contents you can then select "Concepts and Terms."

*Be sure to read all of the information in this section before continuing. This will help you take full advantage of ActiveHome.*

**Sample File.** After reading through "Concepts and Terms," spend some time playing with the ActiveHome sample file. You can open the sample file by clicking on File in the main menu bar and then selecting "Open File" from the pull down menu that appears. This will give you an opportunity to study a typical file and play with various ActiveHome functions before creating a file yourself. You will see various rooms labeled at the bottom, click on each room to see what's installed in each one. You will see graphical representations of lamps and appliances (dimmers and switches). Click a switch up to turn a lamp or appliance on, click it down to turn it off.

The Lamp Module you installed will be set to A1 (its default factory setting). Select a graphical representation of a lamp in ActiveHome that is set to A1, and click on its switch to turn the lamp on and off. If you can't find anything set to A1 in the sample file, just click on the Lamp Module icon on the tool bar along the top of your screen, an icon for a Lamp Module will appear on the screen. Click near the bottom to set its code to A1. Use the bubble help feature to guide you.

Click in the Control Time On, and Control Time Off areas to see how to program times for each installed Module.

Type over the text to change the names and Housecode/Unit Codes for the modules.

Click on the Macro [M] button, or select Macro from the menu bar. All installed modules will be displayed down the right side of the screen. A Macro button will be shown on the left side of the screen. Rename the Macro button (for example "Coming Home"). Set the X-10 code to initiate the Macro (for example B2). Drag the modules you want to turn on or off with the Macro from the right side to the left side of the screen. Select on or off for each module that is part of the Macro. Now when you "Come Home" and press B2 on any Controller, the items you added to the Macro will turn on and/or off.

## Help At Your Fingertips

ActiveHome for Windows includes extensive on-line help for every aspect of its operation. Actually, the information contained in this instruction sheet is included in the Getting Started section of the on-line help.

An important thing to remember when using ActiveHome is that if at any time you are unsure about how to do something, you can always request help. Help can be selected by performing **any** of the following steps:

1. Press the F1 key
2. Select Help from the main menu bar
3. Click the Help button (if one is displayed)

## Product warranty

If you haven't already done so, take a moment right now to fill in the product warranty card and drop it in the mail. Sending us your card will help us keep you informed when new X-10 products and product enhancements become available.

**F.C.C. 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.**

This equipment generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturers instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for remote control security devices in accordance with the specifications in Sub-Part B 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 Home Automation Interface with respect to the radio/TV.
- Move the Home Automation Interface away from the radio/TV.
- Plug the Home Automation Interface 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: No changes or modifications may be made to this unit. Any changes made to the unit will void the user's authority to operate the unit.**