



APPENDIX G
: USER'S MANUAL

PIR-1 Owners Manual



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Congratulations!

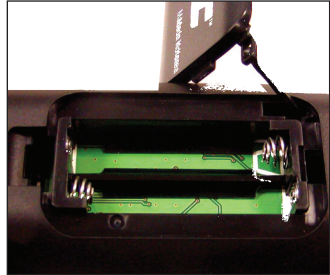
You've purchased a unique synthesis of hardware and software engineering, the PIR-1 Professional IR Learner. The PIR-1 is a power professional install tool that combines an IR code learner, IR code transmitter (IR Tester), and an IR code detector into one package.

When connected to a PC the PIR-1 will allow you to learn IR data from any IR remote control into the Complete Control Program and Accelerator programming software. You can then test any IR code from the IR transmitter of the PIR-1 directly to a component.

The PIR-1 can be used as a stand alone IR detector to see if IR information is being transmitted from any IR remote control. When an IR command is received by the PIR-1 the unit will make a beeping sound, letting you know that IR information is actually being sent.

Replacing the Batteries

Open the battery cover by pressing the release and pulling back the cover on the back of the unit. Please do not forcefully pull the battery cover as it is tethered to the PIR-1 body. Observe the + and - polarity indicators inside the battery compartments as well as on the batteries. Place the two AAA batteries into their positions. Now, replace the battery cover by inserting the hinged and tethered end in first, then snapping the cover back into place.



USB Port

the back of the PIR-1 you will find the USB port. Pull back the hinged rubber USB cover and connect the Mini-USB side of the USB cable into this port, and the other end of the USB cable will connect into the computer. In the event that there are no batteries in the PIR-1 then the USB port from a computer can power the unit for LEARNING and TRANSMITTING IR commands only. When the PIR-1 is powered via USB then the IR "detecting" and all beeping sounds will be disabled.



Beep On/Off Switch

When the Beep switch is set to the "On" position, every received or transmitted IR signal will make a beeping sound. If you do not need the Beep sound, move the switch to the "Off" position. Please keep in mind that Florescent / Incandescent Lights and Sun light can give off IR radiation, so it is not uncommon that the PIR-1 will beep from these sources.



IR Signal Indicator

At the top of the PIR-1 is an IR Signal Indicator. This Indicator has two functions. When testing/detecting IR codes, the IR Signal indicator will flash every time an IR signal is received provided that the Beep switch is set to "On." When the Beep is set to "off", the IR signal will not flash. When the PIR-1 is connected to a PC, the IR signal indicator will turn on when the PC is ready to learn a command, and will flash once when the command was learned correctly. If the command was learned incorrectly then the LED will not flash, and you will have to re-learn the IR code. The IR Signal indicator will also flash when testing an IR code from the PC.

Learning Tips

The original remote's distance to the PIR-1 should be between 1 to 3 inches. Please place new batteries in the original remote you are attempting to learn to make sure the IR signal is strong. Learning should take place in a low lit room away from windows or florescent lighting.

If no response is received when attempting to learn, turn on the Beep setting, and check that the original remote is transmitting IR.

The PIR-1 has an IR transmitter built in, so after a command is learned it can be tested.

Specifications

CPU: SM88 core @ 8 MHz / 4Kbyte FLASH ROM Embedded
 Learning Frequency Range: 15 kHz to 455 kHz
 Transmitting IR Distance: Up to 50 feet IR line of sight (Depending upon environment)
 Power: Two AAA Alkaline Batteries, USB Input Powered (Beep Sounds are Disabled)
 Size: 5.2" x 1.8" x 0.9" (H x W x D)
 Weight: 3.00 oz.

USA Limited Warranty Statement

Your Universal Remote Control, when delivered to you in new condition, is warranted against defects in materials or workmanship as follows: **UNIVERSAL REMOTE CONTROL, INC.** warrants this product against defects in material or workmanship for a period of one (1) year and as set forth below. Universal Remote Control will, at its sole option, repair the product using new or comparable rebuilt parts, or exchange the product for a comparable new or rebuilt product. **In the event of a defect, these are your exclusive remedies.**

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty.

To obtain warranty service, you must deliver the product, freight prepaid, in its original packaging or packaging affording adequate protection to Universal Remote Control at the address provided in the Owner's Manual. **It is your responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into your unit. It is likely that such data, software, or other materials will be lost during service and Universal Remote Control will not be responsible for any such damage or loss.** A dated purchase receipt, Bill of Sale, Installation Contract or other verifiable Proof of Purchase is required. For product support and other important information visit Universal Remote Control's website: <http://www.UniversalRemote.com> or call the Customer Service Center (914) 835-4484.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use. It does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, third-party installation, misuse, limitations of technology, or modification of or to any part of the Universal Remote Control product. This Limited Warranty does not cover Universal Remote Control products sold as USED, AS IS, REFURBISHED, so-called "B STOCK" or consumables (such as batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States of America. **This Limited Warranty specifically excludes products sold by unauthorized resellers. .**

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- ◆ Reorient or relocate the receiving antenna.
- ◆ Increase the separation between the equipment and receiver.
- ◆ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ◆ Consult the dealer or an experienced radio/TV technician for help.

Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



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