



APPENDIX H

: USER'S MANUAL



HS-R200

Owner's Manual



Welcome!

Welcome to the world of HomeSet control and automation. Thank you for your purchase. Before operating the unit, please read this manual thoroughly, observe all safety precautions, and retain it for your future use.

Online Help:

<http://www.homesethome.com/support-manuals/#manuals>

For downloads and frequently asked questions.

Contact Support:

HomeSet is a URC product sold through Authorized Dealers and location throughout the USA. For questions or assistance, contact your Custom Installer/Programmer (write in Company Name, Email & Contact Info):

or Tech Support at: techsupport@universalremote.com

HomeSet/URC

500 Mamaroneck Ave., Harrison, NY 10528

Toll Free: (800) 901-0800

Main: (914) 835-4484

Important Information and Safety Precautions

HomeSet R200 Owner's Manual

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Universal Remote Control SHALL NOT BE LIABLE FOR OPERATIONAL, TECHNICAL OR EDITORIAL ERRORS/ OMISSIONS MADE IN THIS MANUAL.

This book is intended for use by the homeowner/system user and also contains setup information for the system custom installer and programmer. For system installers/programmers, we also offer additional manuals. The information in this manual is subject to change without notice. Features may vary between customized software and URC releases. Contact your custom installation professional with questions.

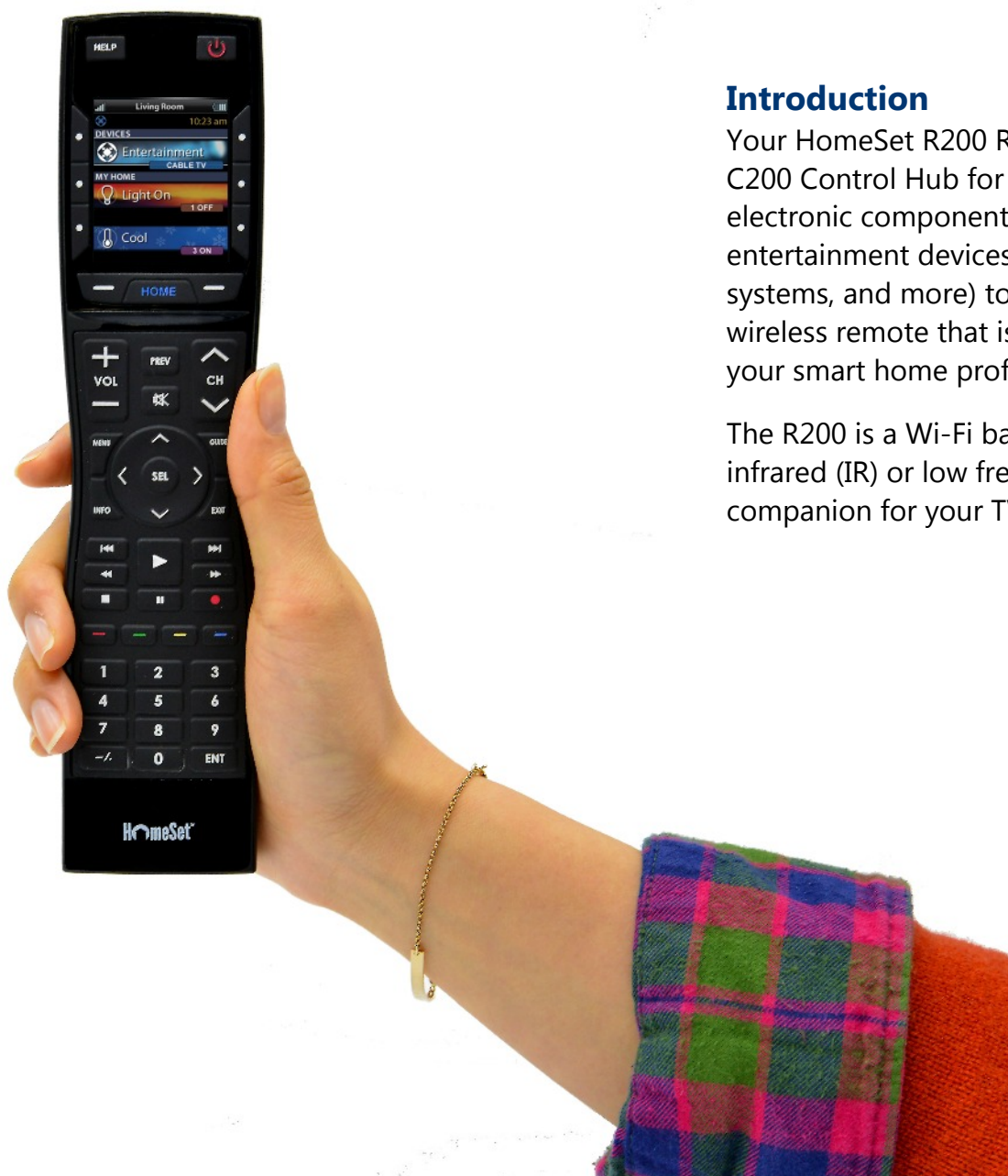
URC, HomeSet and Control the Experience are trademarks of Universal Remote Control, Inc. All other brand or product names are trademarks of their respective companies or owners.

Safety Precautions

For your safety, do not attempt to disassemble the R200 Remote Control. There are no user-serviceable parts inside. Use only the micro USB charger and rechargeable lithium polymer battery supplied with the unit or proper replacement batteries. Do not expose for extended periods of time to excessive heat, moisture or direct sunlight. Clean only with a soft, dry cloth. Changing the physical location of this unit to a place other than where originally installed may negatively affect performance.

About Rechargeable Lithium Polymer Batteries

If you will not be using your remote for an extended period of time, remove the battery. Do not attempt to disassemble, puncture, alter or apply heat to the battery. Use care to avoid dropping battery or subjecting it to severe impact that could damage the case. Battery should not be immersed in water. Risk of explosion if battery is replaced by an incorrect type. Please recycle depleted batteries. Lithium Polymer Batteries are recyclable. For the address of a recycle drop-off location near you call toll free 1-800-822-8837 or visit <http://www.rbrc.com>.



Introduction

Your HomeSet R200 Remote Control works with the HomeSet C200 Control Hub for easy, handheld control, and automation of electronic components in your home (audio/video and home entertainment devices such as lights, thermostats, security systems, and more) to make life more enjoyable. The R200 is a wireless remote that is installed as part of a HomeSet system by your smart home professional.

The R200 is a Wi-Fi based Remote and does not use "line of sight" infrared (IR) or low frequency RF. It's the perfect accessory companion for your TV room or bedroom.

R200 Remote Control

By using the R200, you gain two-way control of you connected devices. "Two-way" means that in addition to data being sent to an electronic component (such as a Nest Thermostat), data is also returned to your remote so you can see graphical information of current status, including the current temperature in the home and more. Adding the HomeSet Mobile App for Android™ and iOS devices provides the same two-way feature.



Features and Benefits

Enjoy the following features:

- **Quick Connect Wi-Fi**

When picked up, the R200 connects to Wi-Fi within moments to control your home Audio/Video (A/V) systems and smart home devices.

- **Control Smart Home Products with Ease**

HomeSet R200 provides an elegant way to control entertainment products plus smart home devices in and around your home. For example, you can check on the kids in the backyard and turn on outside lights at dusk from your remote. Or switch the TV to your Blu-ray player and start a favorite movie with one button press.

- **Two-way metadata feedback**

Experience two-way feedback on your R200's remote screen when used with compatible home devices such as entertainment, lights, and more. Two-way control of Nest is available on the R200 remote and via the HomeSet's mobile apps. Enjoy the same feedback when used in conjunction with a regularly-expanding line of products made by other manufactures.

- **Pick-up Sensor**

Lifting the remote immediately wakes it up, turns on the backlight, the LCD screen, and quickly connects to the local Wi-Fi for control of your smart home system.

- **Rechargeable Lithium Polymer Battery**

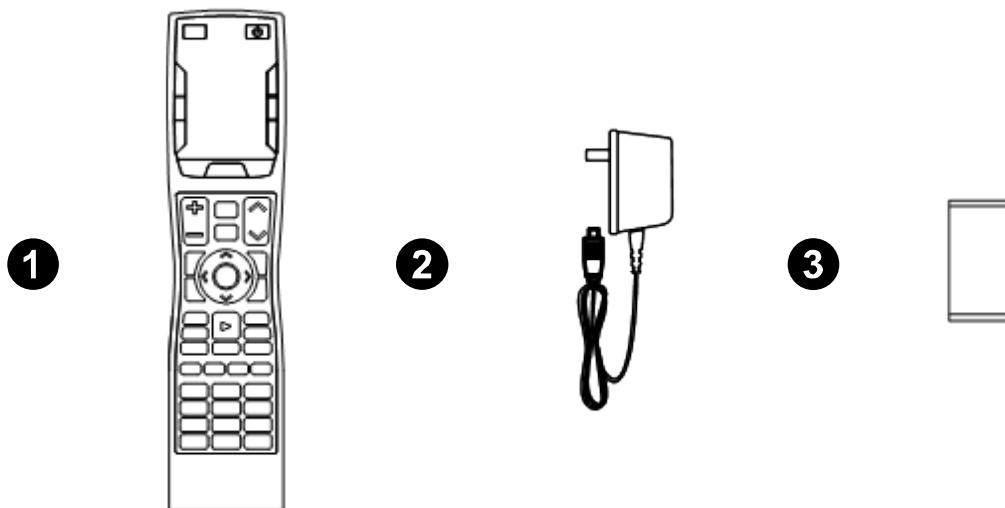
Save money and protect the environment by using the included micro USB charger and rechargeable lithium polymer battery.



What's Included in the Box

The following are the parts and pieces of the R200 remote:

1. R200 Remote Control
2. AC Power Adapter
3. Rechargeable Lithium Polymer Battery



Notice

Some of the following sections contain information that is useful to the professional installer/programmer who will install and setup your system. It's not necessary for you to learn the details. However, we recommend you read them to be away of functions and capabilities of your HomeSet system.

Before Getting Started

Keep in mind the following:

- **Designed for use on your local wireless network**

The HomeSet R200 Remote Control is designed for use on your wireless network similar to how your phone, tablets, or computers work. Used in conjunction with a HomeSet C200 Base Station, the R200 can also control your home's A/V devices. By using a local wireless network connection, the R200 can control your system without being in line-of-sight of the equipment by sending commands over your home network.

- **Programmable via a web page interface by an authorized programmer**

To fully automate your home entertainment, comfort, and security system your professional programmer will gather knowledge of devices in your home and settings on your local Ethernet network in order to get things ready for your installation. They'll then use HomeSet's web-based programming software to download and save your system file on HomeSet's server.



Notice

This section contains information that is useful to the professional installer/programmer who will install and setup your system. It's not necessary for you to learn the details. However, we recommend you read them to be aware of functions and capabilities of your HomeSet system.

To Get Started Installing

- **Inserting the Lithium Polymer Battery**

Press the spring lock down to unlock and remove the battery cover. A battery is included in the box. Place the battery into the battery compartment, making sure to align the contacts on the battery to the contacts on the R200. The battery snaps into place when aligned properly. Replace the cover.

- **Using the Micro USB Charger**

Plug the micro USB charger into a power outlet and into the bottom of the R200 Remote. There is no harm in leaving the R200 plugged in and charging when it is not in use.

- **Communication via Wi-Fi**

To use the R200 with any companion product that can communicate in a two-way fashion, it must be configured to be part of a Local Area Network (LAN) via a Wi-Fi b/g/n access point or router.

Setup and Using the R200

The R200 Remote's Home Menu pages have buttons that allow you to navigate menus to perform setup of HomeSet and the R200 Remote. While this section goes into the Professional Installer's setup, many of the same buttons are used for daily operation.

The Home Menu pages display activities and devices in the system. Press the **Home** page button to view activities and devices. Navigate the home page by using the **Up** and **Down** navigation buttons. Press any button adjacent to the screen to select an activity or device. Press **Home** to return to that page and to select a new device or activity.

The Volume and Mute buttons are always available regardless of what screen is displayed.



The Home button always displays the Home menu pages.

The Up and Down buttons are used to navigate through a menu screen.

Displaying the Settings Screen

Enter the Settings menu by pressing and holding the **Home** and **Enter (ENT)** buttons for three seconds. Use the **Up** and **Down** navigation buttons to navigate between the Settings Items. To select, press the button on the side of the LCD screen or the Select button when a line item is highlighted. To go back a step or to get out of the **Settings** menu, press the **Home** button.

Shown below is the expanded view of R200 Settings Menu, showing all available Setup Menu options.

Note: *Not all options on this image are available on the screen at once.*



Up and Down navigation buttons reveal the entire list on the Settings screen.

Network Settings

The screen displays network information about your R200 and the wireless network where it is connected. In this screen you're able to scan for Wi-Fi network, select a network to connect to and enter any custom settings required.



C200 Control Hub/Base Station Setup

After connecting the HomeSet C200 Control Hub to the local network, select the "Base Station" (see below) setup item which results in display of the available C200 Hubs within the home. C200 Hubs (Base Stations) are identified by their MAC Address, which is displayed on a sticker on the hub.



Selecting a C200 Hub results in the display of a screen that allows the viewing and setting of custom Base Station network properties.



Z-Wave Gateway Accessory Account Info

Your HomeSet system also includes the ability to add an optional URC TRF-ZW Z-Wave Gateway. This enables control of Z-Wave enabled products such as lights, thermostats, door locks, and more. If this is included in the system, there is a user accessory account setup that will be performed by your installer as shown here.

Accessory Account info item allows the entry of an TRF-ZW Z-Wave account username and password. The R200 provides a two-way interface to these devices over the local wireless Ethernet network (as seen below left).

Contact your dealer or installer to acquire Z-Wave smart home products to use with your R200 Remote.



Sleep Timers

You can adjust the amount of time the LCD remains ON when the remote is not in use. The time can be set independently base on whether the remote is using battery power or connected to the Micro USB Charger.

Selecting an item on this screen allows for the setting of each Sleep Timer value. Once the Sleep Timers are adjusted, press the Save button. Pressing the Go Back button reverts to the remote control's last saved setting.



Brightness

Selecting Brightness results in the display of a screen that allows for setting brightness of the R200's LCD Screen.

Adjust screen brightness by pressing the adjacent hard buttons to increase or decrease the brightness level. Once the brightness is adjusted, press the Save button. Pressing the Go Back button reverts to the remote's last saved settings.

Note: The higher the brightness, the faster the battery depletes.

System Information

The System Information screen displays data about your R200's Operating System and Memory, along with other information. Press More button to view further system information. Pressing Go Back exits to the remote's Settings Menu.



Button Light

You can adjust the brightness of the LEDs that backlight the LCD screen buttons of the R200. This can save R200 power. Press the adjacent hard buttons to increase/decrease button light level. Once the LCD screen button light is adjusted, press **Save**. Pressing the **Go Back** button reverts the remote's last saved setting.



Power

You can display the remaining battery level by selecting Power. You can also adjust when the Low Battery warning screen appears. Once power is adjusted, press **Save**. Pressing **Go Back** reverts to the remote's last saved setting.



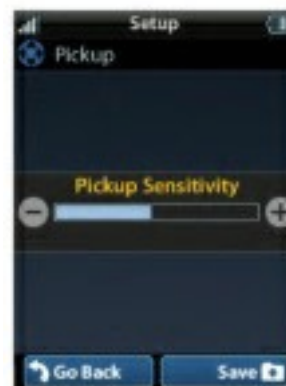
Sound

You can adjust button sounds of the R200. Press the adjacent hard buttons to increase/decrease button volume level. Once sound is adjusted, press Save. Pressing Go Back reverts to the remote's last saved settings.



Pickup

You can set the R200 to turn on when the remote is picked up. Simply select **Low**, **Med**, or **High** (Turn ON) or **Off**. After Pickup has been adjusted, the System Menu is displayed again.



Firmware Update

Selecting Firmware Update results in display of a screen that checks for a firmware update for the R200 Remote and C200 Hub (if necessary). If a firmware update is available, the below screen is displayed.

Selecting Yes starts the firmware update process. Selecting No results in display of the R200 System Menu. If a firmware update is not available, the screen below displays.

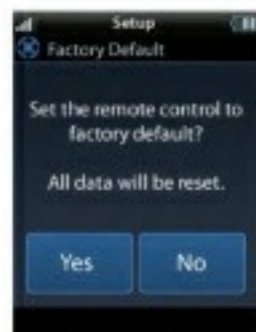


Factory Default

WARNING! Selecting this button resets the memory of the HS-R200 to factory settings. *All programming will be lost!* Selecting **Yes** sets the R200 to factory default. Selecting **No** returns the R200 to the Setup Menu screen.

Exit

When you've finished adjusting Settings, simply press Exit to return to normal operation.



Limited Warranty Statement and Disclaimers

Please refer to the URC complete Limited Warranty:

www.HomeSetHome.com/limited-warranty-statement/

This Limited Warranty is valid only in the United States of America.

Any URC/HomeSet equipment that is purchased from an unauthorized source will not be eligible for:

- a) Tech Support or support of any kind from URC/HomeSet
- b) Any warranty by URC/HomeSet

Specifications

- Size: 8.74" H x 2.087" W x 0.984" D
- Weight: 6.1 oz
- LCD: 2 inch Screen (240 by 320) LCD Backlighting by LED
- Devices: Supports up to 255 Devices with text less with heavy graphics
- Usage Pages: Supports up to 255 Pages on each Device with text, less with heavy graphics usage
- Macro Capability: Up to 255 steps each, however, nesting is allowed
- Wi-Fi: IEEE 802.11 b/g/n
- Battery: Lithium Polymer, 1,960mAh
- Battery Charging Time: 5 hours

Updating

HomeSet features and hardware may be updated from time to time. Manual HomeSet software and / or hardware updates should only be performed by your authorized HomeSet installer/programmer. Features may vary between customized software and URC software releases. To find out more, please contact your custom installation professional with questions. All information, features, benefits and user screens are subject to change without notice.

End User Agreement

Terms and conditions of the End User Agreement available at: www.UniversalRemote.com/end-user-agreement/ apply.

Federal Communication Commission (FCC)

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 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 your dealer/installer or an experienced radio/TV technician for help.

Warning!

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

Federal Communication Commission (FCC)

Radiation Exposure Statement

This Equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.