

# HR-310

## Handheld Remote (US & Canada)

- > Customizable handheld wireless remote
- > Elegant, ergonomic, and rugged design
- > Fully programmable functionality via a Crestron® control system
- > Backlit buttons for AV/DVR control, OSM navigation, and multi-tap alphanumeric keypad
- > 5-way navigation pad changes colors when accessing the four-color buttons mode
- > Nine assignable buttons with available laser-etched custom engraving
- > Ultra-reliable infiNET EX® wireless technology<sup>[1]</sup>
- > Movement sensor wakes the remote when picked up
- > Sends low battery alerts to your mobile device, computer, touch screen, or help desk
- > Six months typical usage on 3 AAA alkaline batteries (included)

The Crestron® HR-310 Handheld Remote is an elegant, customizable wireless controller designed for use in home theaters, bedrooms, hotel rooms, boardrooms, and many other applications. Ruggedized for durability, the HR-310 offers exceptional comfort and ergonomics for hours of one-handed use. Its backlit buttons provide positive tactile response and clear visibility under all lighting conditions. Nine of its buttons are custom-engravable and assignable for source selection, lighting control, and other custom functions. High-powered infiNET EX® wireless performance assures dependable RF connectivity throughout any-sized home or commercial facility.<sup>[1]</sup>

### Backlit Tactile Buttons

A full complement of buttons provides immediate access to everything you need to watch TV, listen to music, navigate onscreen menus, and browse through media titles. Each button is clearly labeled using familiar text and icons for intuitive operation. Button backlighting affords excellent legibility in darkened rooms. The 5-way thumbpad affords easy directional navigation in normal use and changes colors when placed in four-color mode to provide access to the green, blue, red, and yellow option buttons.

Each button on the HR-310 is fully programmable to deliver precise and predictable behavior, whether simply adjusting audio volume and flipping through channels, browsing a media library or program guide, controlling a DVR or DVD player, or operating a pan/tilt camera.

### Nine Assignable Buttons

At the top of the HR-310 are nine buttons, which come pre-labeled for basic AV source selection and lighting control. These nine buttons can be replaced with custom-labeled buttons, allowing sources and scenes to be designated by name, and enabling additional functionality for other things like room selection, shade and drapery control, climate control, or anything else. The area above these buttons is also engravable to allow the remote to be labeled with a room name or other designation.

*For information about ordering custom engraving, please refer to the [HR-310-BTN ENGRAVED](#) web page.*



### Movement Sensor

Its built-in accelerometer wakes the HR-310 instantly whenever it's picked up or moved, so it's always ready for use.

### infiNET EX® Wireless Technology

Ultra-reliable infiNET EX wireless technology provides steadfast 2-way RF communications throughout a residential or commercial structure. The HR-310 communicates with a Crestron control system via an infiNET EX wireless gateway, and can function as part of a complete network of wireless keypads, lighting dimmers, motorized shades, thermostats, door locks, sensors, and other devices.<sup>[1]</sup>

### Long Battery Life

Under typical usage, the HR-310 can operate for six months on a set of three AAA alkaline batteries (included). To ensure you and your guests are never faced with dead batteries, the HR-310 can be configured to report its battery level and send a low-battery warning to your mobile phone or computer, a Crestron touch screen, or a central help desk, allowing the batteries to be replaced before they ever have a chance to fail.

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## SPECIFICATIONS

### Buttons

**Assignable Buttons:** (9) Programmable pushbuttons labeled SOURCE 1 – 3, SCENE 1 – 3, LTS DN, LTS ON/OFF, and LTS UP as shipped; custom-labeled buttons are available using the optional [HR-310-BTN ENGRAVED](#) backlit engravable button set (sold separately); custom engraving is also available on the upper portion of the bezel surrounding these buttons

**Numeric Keypad:** (12) Programmable pushbuttons labeled with numerals 0 – 9, clear icon, space icon, and ENTER ('0' and 'space' are the same button)

**Power:** (1) Programmable pushbutton with red power icon

**Favorites:** (1) Programmable pushbutton with star icon

**Home:** (1) Programmable pushbutton with list icon (also used for wireless setup)

**Functions:** (8) Programmable pushbuttons with text or icons for volume up, volume down, mute, guide, menu, up, down, and info

**Navigation Pad:** (1) Programmable 5-way directional navigation pad for up, down, left, right, and select; alternately functions as four context-dependent option buttons when the 'four color mode' button is pressed (nav pad icons illuminate green, blue, red, and yellow in this mode)

**Transport:** (11) Programmable pushbuttons with text or icons for exit, last, rewind, play, forward, previous, pause, next, stop, DVR, and record

**Illumination:** White LED backlighting behind all button labels

*Note: Pressing any button wakes the remote from sleep mode and turns on the backlight if the room is dark; backlight turns off after 8 seconds of inactivity*

### Light Sensor

Photosensor detects the ambient light level to enable the backlight if the room is dark

### Movement Sensor

Accelerometer detects if the remote is picked up or moved, wakes the remote from sleep mode, and turns on the backlight if the room is dark

### Wireless Communication

**RF Transceiver:** infiNET EX 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), IEEE 802.15.4 compliant, AES-128 encryption

**Transmit Power:** +20 dBm

**Range (typical):** 50 feet (15 meters) to the gateway or nearest mesh network device(s), subject to site-specific conditions and individual device capabilities, range between floors or ceilings is limited to one level<sup>[1]</sup>

**Gateway:** Requires an infiNET EX gateway<sup>[1]</sup>

### Wired Communication

**USB:** USB client for console only

### Connectors

**USB:** (1) Micro-B USB console port behind battery compartment cover, for installer use only

### Batteries

Three (3) disposable 1.5V AAA alkaline batteries (included), operates approximately 6 months under normal usage

### Environmental

**Temperature:** 32° to 104° F (0° to 40° C)

**Humidity:** 10% to 90% RH (non-condensing)

### Construction

Ruggedized ABS plastic, black housing, black buttons with backlit laser etched labeling

### Dimensions

**Height:** 0.84 in (22 mm)

**Width:** 2.05 in (52 mm)

**Depth:** 8.27 in (210 mm)

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## Weight

5 oz (140 g)

## Compliance

CE, IC, FCC Part 15 Class B digital device

## MODELS & ACCESSORIES

### Available Models

HR-310: Handheld Remote, US & Canada

### Available Accessories

**HR-310-BTN ENGRAVED:** Backlit Engravable Buttons & Bezel, Includes Custom Engraving

**HR-310-BTN BLANK:** Backlit Engravable Buttons & Bezel, Engraving Not Included

**CEN-GWEXER:** infiNET EX® & ER Wireless Gateway, US & Canada

**MC3:** 3-Series Control System® w/infiNET EX® & ER Wireless Gateway

**DIN-AP3MEX:** DIN Rail 3-Series® Automation Processor w/infiNET EX® & ER Wireless Gateway

**CLW-EXPEX-GD-W-T:** infiNET EX® Wireless Expander

### Notes:

1. Requires an infiNET EX gateway, model [CEN-GWEXER](#), [MC3](#), or [DIN-AP3MEX](#) (sold separately). Crestron infiNET EX wireless technology employs a mesh network topology so each "EX" device on the network acts as a routing node, which propagates the signals it receives on to other EX devices within range. This effectively extends the total range of the network and provides multiple redundant signal paths for extra reliability. A maximum of six "hops" across routing nodes is allowed, although a maximum of three is recommended. Be aware that only AC-powered EX devices operate as routing nodes. The HR-310 and other battery-powered EX devices only operate as leaf nodes, and thus do not propagate signals or extend range. If needed, up to five dedicated infiNET EX expanders (model [CLW-EXPEX-GD-W-T](#), sold separately) may be deployed as supplemental routing nodes to fill any gaps in coverage. Up to 100 infiNET EX devices are permitted per gateway, although best practices suggest a limit of 50. Refer to the "[Installation and Setup of Crestron RF Products, Best Practices](#)" guide (Doc #6689) for additional guidelines.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at <https://www.crestron.com/How-To-Buy/Find-a-Representative> or by calling 855-263-8754.

The specific patents that cover Crestron products are listed online at <https://www.crestron.com/legal/patents>.

Certain Crestron products contain open source software. For specific information, please visit <https://www.crestron.com/opensource>.

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