

# HR-310

## Handheld Remote, US & Canada



- Customizable handheld wireless remote
- Available in black or white
- Ergonomic and rugged design
- Fully programmable functionality via a Crestron control system
- Backlit buttons for AV/DVR control and on-screen menu (OSM) navigation
- Five-way navigation pad changes colors when accessing the four-color buttons mode
- Fully programmable functionality via a Crestron control system
- Ultra-reliable infiNET EX® wireless technology
- Movement sensing wakes the remote when picked up
- Sends low battery alerts to a mobile device, computer, touch screen, or help desk
- Six months typical usage on 3 AAA alkaline batteries (included)

The Crestron [HR-310](#) is a durable handheld remote with backlit, custom-engravable buttons. High-powered infiNET EX® wireless performance assures dependable RF connectivity in a variety of environments. Movement sensing wakes the remote when it is handled, ensuring it is always ready to be used. The HR-310 may also be paired with Crestron Home® OS and other Crestron control solutions for complete control over audio, video, lighting, shades, and other amenities.

The HR-310 is available in [black](#) or [white](#).

### Backlit Tactile Buttons

Backlit tactile buttons provide access to everything needed to watch TV, listen to music, navigate on-screen menus, and browse through media titles. Each button is labeled for easy operation. The metal-plated five-way thumbpad enables 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. These colored buttons are used to access special functions.

Each button on the HR-310 is fully programmable for adjusting audio volume and changing channels, browsing a media library or program guide, controlling a DVR or DVD player, or operating a pan/tilt camera.

### Nine Assignable Buttons

The top of the HR-310 features nine pre-labeled buttons for basic AV source selection and lighting control. These buttons can be swapped out for custom-labeled ones, enabling you to personalize them with source or scene names. This customization also allows the buttons to serve additional functions, such as selecting rooms or controlling shades, drapes, or climate settings. Additionally, the space above these buttons can be engraved with a room name or other designation.

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

### 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 two-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>

### Extended 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 a mobile phone, computer, Crestron touch screen, or central help desk.

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### Specifications

#### Buttons

<b>Assignable Buttons</b>	(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
<b>Numeric Keypad</b>	(12) Programmable pushbuttons labeled with numerals 0 – 9, clear icon, space icon, and ENTER ('O' and 'space' are the same button)
<b>Power</b>	(1) Programmable pushbutton with red power icon
<b>Favorites</b>	(1) Programmable pushbutton with star icon
<b>Home</b>	(1) Programmable pushbutton with list icon
<b>Functions</b>	(8) Programmable pushbuttons with text or icons for volume up, volume down, mute, guide, menu, up, down, and info
<b>Navigation Pad</b>	(1) Metal-plated programmable five-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 (navigation pad icons illuminate green, blue, red, and yellow in this mode)
<b>Transport</b>	(11) Programmable pushbuttons with text or icons for exit, last, rewind, play, forward, previous, pause, next, stop, DVR, and record
<b>Illumination</b>	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

#### Wireless Communication

<b>RF Transceiver</b>	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
<b>Transmit Power</b>	+20 dBm
<b>Range</b>	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
<b>Gateway</b>	Requires an infiNET EX gateway <sup>1</sup>

#### Wired Communication

<b>USB</b>	USB client for console only
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#### Connectors

<b>USB</b>	(1) Micro-USB Type B console port behind battery compartment cover, for installer use only
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#### Batteries

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

#### Environmental

<b>Temperature</b>	32° to 104°F (0° to 40°C)
<b>Humidity</b>	10% to 90% RH (noncondensing)

#### Construction

Ruggedized ABS plastic, housing with textured back, buttons with backlit laser etched labeling

#### Dimensions

<b>Height</b>	0.84 in. (22 mm)
<b>Width</b>	2.05 in. (52 mm)
<b>Depth</b>	8.27 in. (210 mm)

#### Weight

5.0 oz (140 g)

#### Compliance

**Regulatory Model: HR-310**  
CE, IC, FCC Part 15 Class B digital device

#### Models

<b>HR-310-B</b>	Handheld Remote, US and Canada, Black
<b>HR-310-W</b>	Handheld Remote, US and Canada, White
<b>HR-310-I-B</b>	Handheld Remote, International, Black
<b>HR-310-I-W</b>	Handheld Remote, International, White

#### Available Accessories

For a list of available accessories, visit the [HR-310](#) product page.

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### Note:

1. 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. Refer to the [Installation and Setup of Crestron RF Products, Best Practices](#) guide for additional guidelines.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or contact us for additional information by visiting [www.crestron.com/contact/our-locations](http://www.crestron.com/contact/our-locations) for your local contact.

The original language version of this document is U.S. English.  
All other languages are a translation of the original document.

The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

The specific patents that cover Crestron products are listed online at [www.crestron.com/legal/patents](http://www.crestron.com/legal/patents).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

Specifications are subject to change without notice.

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