

HR-310-I

Handheld Remote (International)

- > 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^[1]
- > 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-I 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-I 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.^[1]

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-I 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-I 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-I 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-I 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.^[1]

Long Battery Life

Under typical usage, the HR-310-I 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-I 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.

HR-310-I Handheld Remote (International)



Assignable Buttons
(Shown with default labelling)
Replacement buttons are available laser etched engraving; The area above the buttons is also engravable

Numeric Keypad
For alphanumeric entry

Power, Favorites, & Home Buttons

Function Buttons
For volume control, channel up/down, guide, menu, and info

Navigation Pad
Directional control plus center select button (shown in 4-color mode)

4-Color Mode Button
Puts Nav Pad into 4-color mode

Transport Buttons
DVR and DVD controls, plus exit, and last buttons

All buttons are backlit for visibility in a darkened room; Nav Pad changes from white to colors when in 4-color mode

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: +8 dBm

Range (typical): 15 meters (50 feet) 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^[1]

Gateway: Requires an infiNET EX gateway^[1]

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: 0° to 40° C (32° to 104° F)

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

Construction

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

Dimensions

Height: 22 mm (0.84 in)

Width: 52 mm (2.05 in)

Depth: 210 mm (8.27 in)

HR-310-I Handheld Remote (International)

Weight

140 g (5 oz)

Compliance

CE, IC, FCC Part 15 Class B digital device

MODELS & ACCESSORIES

Available Models

HR-310-I: Handheld Remote, International

Available Accessories

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

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

CENI-GWEXER: infiNET EX® & ER Wireless Gateway, International

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

Notes:

1. Requires an infiNET EX gateway, model **CENI-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-I and other battery-powered EX devices only operate as leaf nodes, and thus do not propagate signals or extend range. 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>.

Crestron, the Crestron logo, 3-Series, 3-Series Control System, and infiNET EX are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. Specifications are subject to change without notice.

©2018 Crestron Electronics, Inc.

