

Z2iR™ ZigBee-to-IR Module

Combine wireless and IR control with the Card Access™ Z2iR™ ZigBee-to-IR Module for Control4®

Can't run a wire or forget to run one? No problem. Now you can easily add **every** TV, set-top box or other IR-controlled device to any Control4® installation—without control wire hassles and risks—with the new Card Access™ Z2iR™.

The Card Access Z2iR ZigBee-to-IR Module lets Control4 dealers add IR (infrared) control to any residential device with a Control4 driver—without 'home running' wires back to a Home Controller. One Z2iR controls up to 4 IR-enabled devices including:

- TVs
- Projectors
- Streaming media devices
- Set-top boxes
- Window coverings

and more.

Supports Any Control4 IR Driver-Enabled Device

The Card Access Z2iR Module includes two IR Emitters, a 110-220VAC-to-USB Power Module, a two meter USB cable, and an adhesive strip to attach Z2iR Module to the target device. Z2iR's two IR ports are functionally identical to the Home Controller's IR-only ports (serial data is not supported).



Running on USB power with two independent IR ports, the Card Access Z2iR Module is Sleek, Small, and Fast.



Just power up the Z2iR Module using any 5V USB 2.0-compliant port, identify it in the project, create your bindings, plug an IR Emitter into the Z2iR, attach the LED to any IR-capable device, and you're all set. The Card Access Z2iR Module adds IR (infrared) control to any residential IR-enabled device with a Control4 driver.

Simpler, Faster, Safer than Running Wire

Over half of all Control4 installations take place in retrofits/existing homes, and most Control4 clients object to paying for pulling wires to control devices in their home. But industry data shows consumers will pay up to \$1,500 to have their TVs mounted correctly, with components connected, and getting all the other control devices placed out-of-sight.

For the same price (or less) than "home running" an IR control wire to each device, the Card Access Z2iR Module offers a cost-effective, better-looking, and (best of all) simpler solution for you and your clients. All without risking a job's profitability because of what might be hiding inside a wall.



WITH
**ZIGBEE
 EXTENDER**
 TECHNOLOGY

Z2iR™ ZigBee-to-IR Module

Specifications

MODEL NUMBERS

- Z2iR10A-ZP, Z2iR10A-ZP-10P

AVAILABLE COLORS

- Black (non-paintable enclosure)

DIMENSIONS

- 2 13/16"(L) x 1 3/4"(W) x 9/16"(H)
- 71.1mm (L) x 44.5mm (W) x 14.4mm (H)

WEIGHT

- 1.0 oz. (28.3 grams)

NETWORKS SUPPORTED

- Control4 ZigBee PRO mesh networking protocol, based on the IEEE 802.15.4 ZigBee standard
- Operates as a parent-routing node in Control4 systems

ZIGBEE DATA RATE

- 40kbps - 250kbps

ZIGBEE FREQUENCY RANGE

- 2.405 – 2.475 GHz

POWER CONSUMPTION

- ~100mA at 5V, fully active

OUTPUT PORTS

- Two IR ports, 15 mA LED drive, 3.5mm female mono jack

IR EMITTERS

Specifications for two (2) IR Emitters supplied with Z2iR:

- 3.5mm male mono phone jack
- IR LED (emits light wavelength invisible to the eye)
- Double-sided tape for IR emitter LED plastics
- Red tab on the cable indicates a non-flashing IR Emitter

IR “BLASTER” SUPPORT

- The Z2iR Module does NOT provide increased power to its ports for “IR Blaster” capabilities. The Z2iR does support third-party IR Blaster products that amplify the Z2iR’s 15 mA LED drive output. Consult third-party product’s specifications to assure compatibility.

POWER SOURCE

- 5VDC Mini USB

BUTTON / LED INDICATOR

Three LED operating modes supported and controlled in Z2iR’s DriverWorks Driver Properties Page:

- Power and ZigBee Connectivity status
- IR port activity status
- LED Off

INTEGRATED FEATURES

- Wireless reception and conversion of IR codes over ZigBee interface with output to IR emitters
- “Dual Binding” capable IR ports control 2 devices per port by splice, rewire or third-party splitter for multiple IR emitter heads)
- Card Access ZigBee Extender Technology™ for mesh network coverage and expansion

ENVIRONMENTAL

- Operational -20° F to 158° F (-28° C to 70° C)
- Humidity 5% to 95% Non-Condensing
- Storage -20° F to 158° F (-28° C to 70° C)

REGULATORY / CERTIFICATIONS

- FCC Part 15, B; FCC Part 15, C
- RoHS-compliant
- CE

CONTROL4 SYSTEM REQUIREMENTS

- Control4 Home Controller
- Control4 Version 2.1.x or greater

CONTROL4 SYSTEM INTEGRATION

- Each installed Z2iR adds two additional IR output bindings to Composer projects

DRIVER

- The Z2iR Module requires a Card Access-supplied DriverWorks Driver be downloaded and added to the Control4 Composer project
- The Z2iR DriverWorks Driver is available in Composer’s Online Driver Database or on the Card Access Website



11778 S. Election Road, Suite 260

Salt Lake City, Utah 84020

Tel: + 801.748.4900

Fax: + 801.748.4901

www.cardaccess-inc.com/automation