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.

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.

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).

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.

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

WITH
ZIGBEE EXTENDER
TECHNOLOGY

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

CardAccess

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