# IP-Based IR, RS-232 and Relay Controller with PoE

16 Macros, 4× IR Output with Learning, 4× Relay, RS-232/422/485, 8 Trigger Inputs — WebGUI & Telnet

**MPN: CR-3XCONTROL**

The KanexPro CR-3XCONTROL is a compact, IP-based AV control system that consolidates IR, RS-232/422/485, relay, and TCP/IP device control into a single PoE-powered unit. Sixteen user-defined macros — 8 directly linked to external trigger inputs and all 16 accessible via WebGUI or Telnet — can send commands across any combination of its 4 IR blaster outputs, 4 relay outputs, 1 RS-232/422/485 COM port, or the network. An integrated IR learning function allows the unit to capture and store IR codes from virtually any remote, eliminating the need for a separate IR database.

Powered over Ethernet (PoE) from any standard 802.3af switch, the CR-3XCONTROL requires no AC outlet at the installation point. The 8 trigger inputs — compatible with door switches, motion detectors, window alarms, and other contact-closure devices — activate their corresponding macros instantly on signal, enabling fully automated room control without user interaction. Programming is handled through the built-in WebGUI from any browser on the same network. Firmware updates are performed in the field via USB with no tools required.

| **4× IR Out** | **4× Relay** | **RS-232/422/485** | **8 Triggers** | **PoE Powered** |
|---|---|---|---|---|
| With IR Learning | 0–30VDC / 10A | Up to 115200bps | Contact-closure inputs | 802.3af standard |

## KEY FEATURES

- 8 trigger inputs — each directly activates its linked macro on contact closure
- 4 relay outputs (0–30VDC/10A or 0–250VAC/10A) for screens, lighting, power control
- 4 IR blaster outputs (3.5mm) with integrated IR code learning
- 1× RS-232/422/485 COM port — baud rates up to 115200bps
- 16 macros: 8 trigger-linked + 8 extension (WebGUI/Telnet only)
- WebGUI, Telnet, and RS-232 console control interfaces
- PoE powered (802.3af) or included 5V/2.6A DC adapter (CE/FCC/UL)
- Field firmware updates via USB SERVICE port — no tools required
- DHCP or static IP; default IP 192.168.1.50
- Metal chassis, black — compact 5″ wide form factor

## SPECIFICATIONS

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|---|---|
| **Input Ports** | 1× IR Learner/Extender (3.5mm), 8× Trigger (10-pin terminal block) |
| **Output Ports** | 4× IR Blaster (3.5mm), 4× Relay (2-pin terminal block), 1× COM RS-232/422/485 (5-pin) |
| **IP Control** | 1× RJ45 (WebGUI, Telnet) |
| **IR Frequency** | 30–50kHz (30–60kHz ideal) |
| **Baud Rate** | Up to 115200bps |
| **Macros** | 16 total (8 trigger-linked + 8 extension) |
| **Power** | PoE 802.3af or 5V/2.6A DC adapter (included) |
| **Power Consumption** | 3.63W |
| **Dimensions (W×H×D)** | 5.00″ × 0.98″ × 4.64″ (128 × 25 × 118mm) |
| **Net Weight** | 0.88 lbs (400g) |
| **Operating Temp** | 32°F – 104°F (0°C – 40°C) |
| **Certifications** | CE, FCC, UL |
| **ESD Protection** | ±12kV air / ±8kV contact |