

## IP-JP4-CL-10

### JP4 Series Network Controller



FRONT



REAR

#### > Product Description

The Netvio IP-JP4-CL-10 is a dedicated AVoIP system controller that simplifies and scales JP4 Series installations. Acting as the system's central intelligence, it manages mass configuration and control of encoders and decoders while removing the IT complexity often associated with multicast video distribution.

Powered by PoE and equipped with dedicated controller ports for seamless integration with Netvio IP-SW Series switches, the IP-JP4-CL-10 ensures reliable performance even in large deployments. It directly hosts Netvio360 and Netvio AppBuilder, providing installers with a powerful platform for configuration, project deployment, and system management.

For professional installations, the IP-JP4-CL-10 should be installed with the IP-RK-10 rack mount, ensuring correct alignment, airflow, and 24/7 reliability in commercial AV environments.

#### > Product Features

- Large-System Ready – Optimized to manage hundreds of endpoints across enterprise-scale, multi-switch networks.
- Mass Setup & Configuration – Automatically discovers and configures all connected devices in seconds.
- Advanced Enterprise Security – Features encrypted communications and secure device authentication to protect system integrity.
- PoE Powered – Standard power option via PoE (802.3af Class 3); 12V DC input also supported (PSU not included).
- Rack-Ready – Fully compatible with the Netvio IP-RK-10 rack mount kit for impeccable rack presentation.
- Unified Control – Seamless integration with Netvio360, NetvioGo, and AppBuilder for system and end-user management.
- Compatible with Traditional Control Systems – Drivers available for Crestron, Q-SYS, and more.

#### > What's Included

- 1 × (CL Controller)
- 3 × 3-pin Phoenix Connectors (RS-232, Audio)
- 2 × Mounting Ears + Screws
- 1 × User information
- 12V/1A PSU not provided, PoE Default power.

#### > Included Software & Apps

- Netvio360 Configuration Software
- AppBuilder Software
- NetvioGo End-user application.

## > Specifications

### General

- Product Type: Centralized Controller for Netvio AVoIP systems

### Hardware

- Processor: Embedded ARM-based system
- Network Interface: 1 × RJ45 Gigabit Ethernet (10/100/1000 Mbps auto-negotiation)
- USB: 1 × USB Type-A (service/maintenance)
- Indicators: Multi-status LEDs (power, status, network activity)
- Power Supply: 12V DC input (external PSU included) or PoE (802.3af Class 3)
- Power Consumption: < 10W typical

### Security:

- Enterprise-level security features, including SSL (Secure Socket Layer) protocol version 3 and TLS 1.2 protocols, ensure system integrity
- External connections are bolstered by custom certificates, enhancing user authentication and safeguarding against unauthorized access.

### Whats Included

- CL Device,
- Rack Ears,
- 3-Pin Connectors,
- User Info

### Software / Control

- System Management: Netvio360 cloud updated & local configuration platform
- End-User Control: NetvioGo (iOS/Android), AppBuilder UI designer.
- Device Discovery: Automatic detection of Netvio encoders/decoders
- Integration: Standard Netvio drivers for third-party control systems. Full universal API available.
- Firmware Updates: Remote via Netvio360

### Environmental

- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- Storage Temperature: -20°C to 70°C (-4°F to 158°F)
- Humidity: 10–90% non-condensing

### Physical

- Dimensions: W: 130 mm × D: 95 mm × H: 28 mm (5.1" × 3.7" × 1.1")
- Weight: 0.5 kg (1.1 lbs)
- Mounting: Rack Mount IP-RK-10

### Software Included

- Netvio360, AppBuilder, NetvioGo

### Compliance

- Certifications: CE, UKCA, FCC, RoHS

### Warranty

- 5 Years (2 Years advanced replacement).
- Full warranty conditional available at [www.netvio.co.uk](http://www.netvio.co.uk) or [www.netvio.io](http://www.netvio.io)

### Approved Network Switches

- Netvio IP-SW Series
- Netgear AV Line
- Cisco Catalyst, SG & CBS Series
- Draytek P Series
- Araknis 210, 310 Series
- Cambium EX2000 & EX3000 Series
- Plus more layer 2 managed switches compatible

### Works with.....

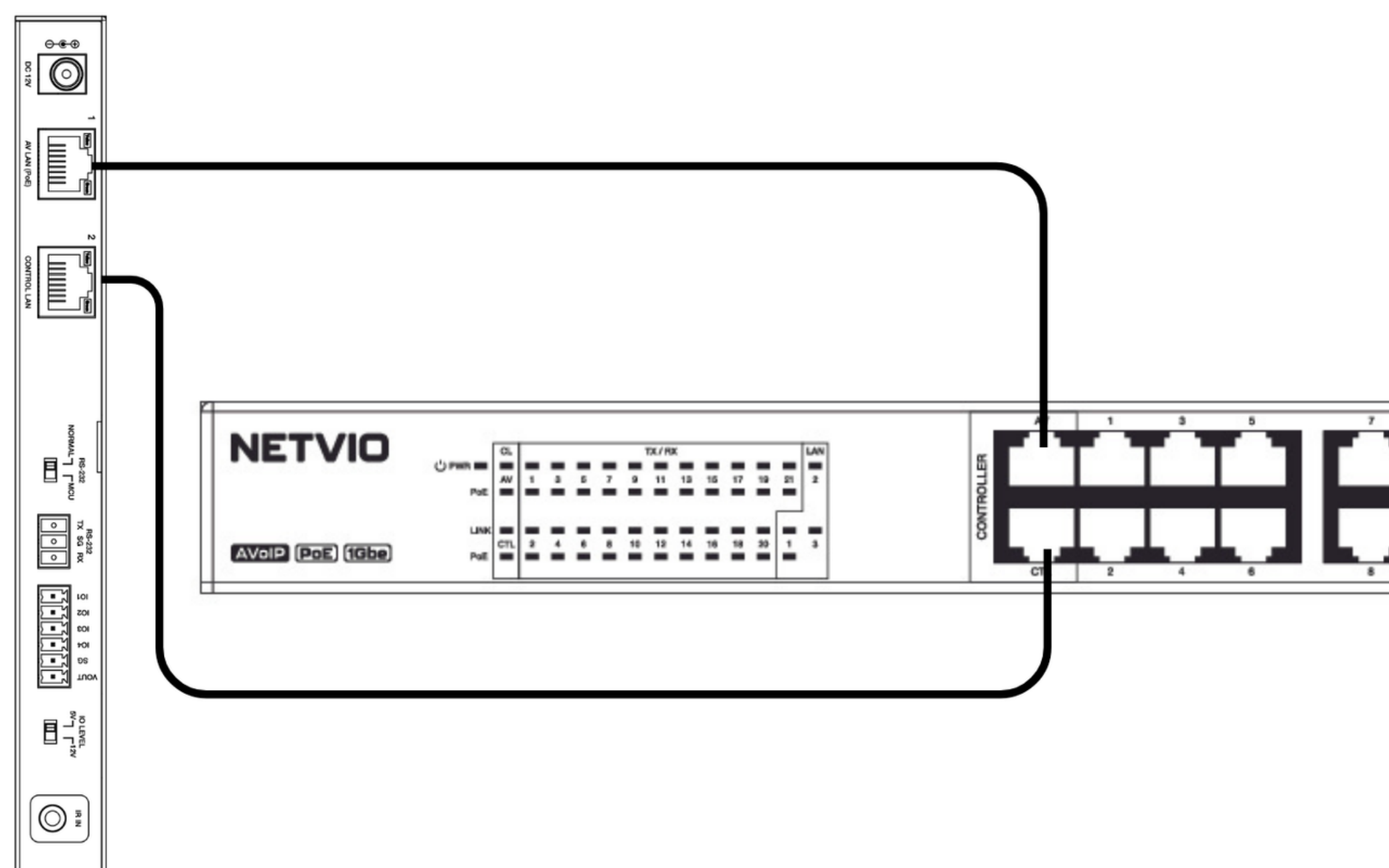
- IP-RK-10 (Rack)
- IP-SW-24P-10 (Network Switch)
- IP-SW-48P-10 (Network Switch)
- TS-13-10 (Touch Panel) moving to TS-10-10
- All versions of JP4 Series
  - Not required in Dante AV-A mode.

## > Connectivity

### CL - Controller

- Network Ports
  - 1 × Dedicated Controller Ports (RJ45)
    - For direct connection to Netvio IP-SW Series managed switches (preconfigured controller ports).
    - Provides direct communication with JP4 encoders/decoders.
  - 1 × LAN / Uplink Port (RJ45 or SFP depending on switch integration)
    - For connection to the wider network or router.
    - Enables configuration and access via Netvio360 and Netvio AppBuilder.
- Power
  - Shared PoE Port (IEEE 802.3af/at)
  - Power delivered directly from Netvio IP-SW Series switches or other PoE-capable switches.
  - 1 × 12V DC Input (Optional, power supply not included)
  - For installations where PoE is not available.
- USB / Service
  - 1 × USB Port (Type A)
  - For service, diagnostics, and potential firmware updates.
- Control Port
  - 1 × RS-232 (via 3-Pin Connector)
  - 1 × IR (via network pass-through)
    - Enables IR control routing through the JP4 network endpoints.

## > Wiring Diagram



## > Related Products

- All Variants of JP4, JP4-60 & JP4-60-DNT (not AV-A mode)
- IP-SW-24P-10 / IP-SW-48P-10 (Plug & Network Switches)
- TS-13-10 (Touch Screen) - Moving to TS-10-10 Equivalent
- MV-H2-0401-10 (MultiView)
- IP-RK-10 (Rack Mount)

## > Integrations

- NetvioGO End-User Application (Free)
- NetvioGo integrations including Blaze, LEA, Powersoft, Symetrix, Cloud, Yamaha, plus many other AV devices.
- Control System Drivers including Crestron, Q-Sys, Control4, RTI, Elan

## > M&E Description

## Architects &amp; Engineers Specification — Netvio IP-JP4-CL-10

The central controller shall be a Netvio IP-JP4-CL-10. The unit shall provide configuration and control for all Netvio JP4 Series devices, including the JP4, JP4-60, and JP4-60-DNT encoders and decoders, and shall directly host Netvio360 and Netvio AppBuilder applications without requiring external servers.

The device shall support PoE+ (IEEE 802.3at) power or optional 12 V DC input (PSU not supplied) and provide dedicated controller ports for connection to Netvio IP-SW Series switches, plus an uplink port for wider network integration. The controller shall also be compatible with traditional third-party control systems, with drivers available for platforms such as Crestron, AMX, and Control4.

The enclosure shall be constructed from powder-coated metal, with approximate dimensions of 205 mm (W) × 150 mm (D) × 44 mm (H) and a weight of less than 1 kg. Cooling shall be passive, relying on chassis airflow and correct rack spacing. The unit shall provide front panel LED indicators for power and network activity and shall be installed with the IP-RK-10 rack mount kit to ensure correct alignment, airflow, and 24/7 reliability in professional AV environments.

## > Approved Switches

- Netvivo

- Arakins
- Cisco
- Draytek
- Luxul
- Netgear
- Niveo
- Ubiquiti

Switch guides are available for download at [www.netvio.io](http://www.netvio.io) or [www.netvio.co.uk](http://www.netvio.co.uk)