

# Simplified Control, Limitless Possibilities

## Introduction

Elevate your AV over IP experience with the MediaCentro IPX Master Controller, the ultimate centralized command center for your entire network. This powerful and flexible solution is engineered to simplify the management and configuration of multiple connected Transmitters and Receivers, moving far beyond basic point-to-point connections to unleash the full potential of matrix, video wall, and multi-viewer configurations. Its intuitive WebGUI provides clear visibility and effortless control, allowing you to easily define and configure channel routing selections, customized groups, and multi-zone presets, all while displaying the status, IP addresses, and netmasks of every connected unit. Offering unparalleled flexibility, the controller features dual LAN ports for installations spanning logically or physically separate networks, and diverse control options including remote or local WebGUI (via HDMI output and USB keyboard/mouse), RS-232, Telnet, IR Remote, and convenient single-button trigger activation for stored presets. Simplify AV-over-IP control with PoE-powered precision and advanced configuration options.

## Applications

- Control Rooms
- Conference Rooms
- Classroom & Training Facilities
- Corporate AV Networks
- Retail & Hospitality Networks
- Live Event Venues

## Product Images



## Key Features

- **Local and remote WebGUI access:** The WebGUI can be accessed via a web browser over a normal network connection (remote) or by directly connecting an HDMI display and USB keyboard & mouse to the unit (local).
- **Advanced operational modes beyond basic point-to-point operation:** This feature supports the control of matrix, video wall, and multi-viewer modes.
- **Supports both one-to-one and one-to-many video routing options:** Optimize network efficiency and deployment flexibility.
- **Directly connect a local monitor to view the WebGUI:** No separate PC is needed, simplifying on-site access.
- **Predefine video zones and switch them instantly:** Enable quick reconfiguration in dynamic environments like classrooms, events, or control rooms.
- **Multiple control options:** Enable integration with third-party systems and legacy devices.
- **Rugged, professional grade:** The unit is built for reliable rack or tabletop installation, saving space and improving durability.
- **Power over ethernet (PoE) capability:** The unit can be powered directly by Power over Ethernet (PoE) when connected to a PoE-enabled Ethernet switch (802.3af PoE standard).

## Specifications

Physical	
Black Box Product SKU	VSW-MC-CTRL-R2
Black Box Product Name	MediaCento IPX Controller - 1G AV over IP
Product Type	AV over IP System Controller
Form Factor	Desktop
Material	Metal
Dimensions (HxWxD)	0.98" H x 4.25" W x 9.11" D (25 x 231.5 x 108 mm)[Case Only]; 0.98" H x 4.25" W x 4.61" D (25 x 231.5 x 117 mm) [All inclusive expands the width measurement to include flat surface mounting brackets]
Weight	1.429 lbs. (0.648 kg)
Mounting Options	Flat surface or IDF rack

General	
Input Ports (Computer Ports)	(1) USB Type A; (1) 3.5mm jack; (1) 3-pin terminal block; (1) 10-pin terminal block; (2) RJ-45 jacks
Output Ports (Console Ports)	(1) HDMI Type A; (1) 5-pin terminal block
Switching Options	IR, RS-232, Telnet, Trigger, Web Interface
OS Support	Browser-based WebUI, compatible with all major operating systems (Windows®, macOS®, Linux®, etc.)

**Specifications (continued)**

Video	
Video Type	HDMI output for local console control
Video Count	Single

Peripheral		
Keyboard/Mouse Support	USB, Combination, Wireless, Touch	
USB Peripheral Support	USB 1.1/2.0 HID	
Serial Support (Baud rate (bps))	2400	4800
	9600	19200
	38400	57600
	115200	

Network	
Network Interface	(2) RJ-45 (AV over IP & Control)
Network Speed	10/100/1000Mbps
Network Redundancy	No
WebUI Access	Yes (AV & Control Network)
IP Address Assignment	DHCP, Static

Security	
User Accounts Supported	Administrator, User
Authentication Characters	Username/Password

**Specifications (continued)**

<b>Power</b>	
Power Source	External power supply or PoE
Power Input	5V/2.6A DC or IEEE 802.3af 2003
Maximum Operating Voltage/ Amperage	5V, 2.6A
Power Consumption	13 Watts
Power Redundancy	Yes (when used with both PoE and external power supply)

<b>Environmental</b>	
Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-4 to +140°F (-20 to +60°C)
Humidity	20 to 90% RH (Non-condensing)

<b>Regulatory and Warranty</b>	
Approvals/Certifications	FCC, CE, RoHS, UL, UKCA, TAA Compliant
Standard Warranty	18 Months

**Product Includes:**

- (1) MediaCentro IPX Controller
- (1) 5V/2.6A DC Power
- (1) Remote Control
- (1) Terminal Block (3-pin)
- (3) Terminal Block (5-pin)
- (1) IR Extender Cable
- (1) Shockproof Feet (Set of 4)

## Ordering Information

Product Code	Description
VSW-MC-CTRL-R2	MediaCento IPX Controller - 1G AV over IP
VX-HDMI-HDIP-TX	MediaCento IPX HD Extender Transmitter - HDMI-over-IP
VX-HDMI-HDIP-RX	MediaCento IPX HD Extender Receiver - HDMI-over-IP
VX-HDMI-4KIP-TX	MediaCento IPX 4K Transmitter - HDMI, USB, Serial, IR, Audio
VX-HDMI-4KIP-RX	MediaCento IPX 4K Receiver - HDMI, USB, Serial, IR, Audio

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#### About Black Box

Black Box is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

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