



User Manual

HDTVSC010

IPAV CONTROLLER





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Introduction

This device is used as an A/V controller for managing and configuring encoders and decoders over IP network. It includes two Ethernet ports and two RS232 ports, offering integrated control features—LAN (Web GUI & Telnet) and serial control. Additionally, it can work with a third-party controller to control peripherals.

Features

- Features two Ethernet ports and two RS232 ports.
- IP control via LAN (Web UI & Telnet).
- Discovers encoders and decoders automatically.
- Compatible with a third-party controller for integrated control of peripherals.

Package Contents

Before you start the installation of the product, please check the package contents:

- Controller x 1
- 3.5mm 6-Pin Phoenix Male Connector x 1
- Mounting Brackets (with M2.5*L5 Screws) x 4

Panel



#	Name	Description
1	Reset	When the device is powered on, use a pointed stylus to hold down the RESET button for five or more seconds, and then release it, it will reboot and restore to its factory defaults. Note: When the settings are restored, your custom data is lost. Therefore, exercise caution when using the Reset button.
2	Status LED	<ul style="list-style-type: none">On: The device is working properly.Off: The device is booting or powered off.
3	Power LED	<ul style="list-style-type: none">On: The device is powered on.Off: The device is powered off.
4	LCD Screen	Displays the IP addresses of AV (PoE) and Control ports and the device's firmware version.
5	USB	Connect to USB 2.0 peripherals



#	Name	Description
1	12V	Connect to a DC 12V power adapter.
2	LAN	<p>AV (PoE): Connects to a network switch for communication with encoders and decoders on the same network.</p> <ul style="list-style-type: none"> ➔ Default protocol: <ul style="list-style-type: none"> IP Address: 169.254.1.1 Subnet Mask: 255.255.0.0 Gateway: 169.254.1.254 DHCP: Off Link speed and duplex level: Auto detected <p>Control: Connects to a third-party controller for controlling, configuring and managing this controller, encoders and decoders through LAN control (Web UI & Telnet).</p> <ul style="list-style-type: none"> ➔ Default protocol: <ul style="list-style-type: none"> IP Address: 192.168.11.243 Subnet Mask: 255.255.0.0 Gateway: 192.168.11.1 DHCP: Off Link speed and duplex level: Auto detected <p>Note:</p> <ul style="list-style-type: none"> ■ Only AV (PoE) port supports PoE. You can connect the device to a PoE switch for power input, eliminating the need for a nearby power outlet. ■ We would recommend that you power this device using either a power adapter or a PoE switch instead of using both them at the same time. For example, if you want to use a power adapter, ensure that PoE function of the connected LAN port on the switch is disabled or a non-PoE switch is used.
3	RS232	<p>Power: Pins G, 12V are used for providing a 12 VDC 0.5 A output.</p> <p>Left (Debug): Pins TX, RX, G are used for device troubleshooting only.</p> <p>Default RS232 parameters:</p> <ul style="list-style-type: none"> Baud Rate: 115 200 bps Data Bits: 8 bits Parity: None Stop Bits: 1 <p>Right (Control): Pins G, RX, TX are used for controlling, configuring and managing the device and decoders through RS232 software or a third-party controller.</p> <p>Default RS232 parameters:</p> <ul style="list-style-type: none"> Baud Rate: 9 600 bps



#	Name	Description
		Data Bits: 8 bits Parity: None Stop Bits: 1 Note: Please connect correct pins for device debug and control. When this device is powered by a power adapter, if you connect a control terminal to the control port after first connection with the debug port, you need to reboot this device followed by device control operation.

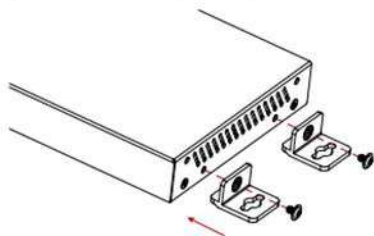


Installation

Note: Before installation, make sure all devices are disconnected from the power source.

Steps to install the device on a suitable location:

1. Attach the mounting brackets to the panels of both sides using the screws (two on each side) provided in the package.



2. Install the brackets on the position as desired using screws (not included).



Specifications

Technical	
Input/Output Port	1 x LAN (AV PoE) (10/100/1000 Mbps) 1 x LAN (Control) (10/100/1000 Mbps) 2 x RS232
LED Indicators	1 x Status LED, 1 x Power LED
Button	1 x Reset Button
Control Method	LAN (Web UI & Telnet), RS232

General	
Operating Temperature	0 to 45°C (32 to 113 °F), 10% to 90%, non-condensing
Storage Temperature	-20 to 70°C (-4 to 158 °F), 10% to 90%, non-condensing
ESD Protection	Human Body Model: ±8kV (air-gap discharge)/±4kV (contact discharge)
Power Supply	DC 12V; PoE
Power Consumption	3.8W (Max)
Unit Dimensions (W x H x D)	215 mm x 25 mm x 120 mm / 8.46" x 0.98" x 4.72"
Unit Net Weight (without accessories)	0.69kg/1.52lbs