



CTRLPRO-MIP-V4

4K60 HDMI over IP Receiver with
USB 2.0



USER GUIDE

PRODUCT APPLICATION & MARKET SECTORS



Corporate



Military



Education



Medical



House of Worship



Residential



Industrial



Aviation

© 2026 Avenview Inc. All rights reserved.

The contents of this document are provided in connection with Avenview Inc. ("Avenview") products. Avenview makes no representations or warranties with respect to the accuracy or completeness of the contents of this publication and reserves the right to make changes to specifications and product descriptions at any time without notice. No license, whether express, implied, or otherwise, to any intellectual property rights is granted by this publication. Except as set forth in Avenview Standard Terms and Conditions of Sale, Avenview assumes no liability whatsoever, and disclaims any express or implied warranty, relating to its products of Avenview Inc. is strictly prohibited.

TABLE OF CONTENTS

SECTION 1: GETTING STARTED	3
1.1 IMPORTANT SAFEGUARDS	3
1.2 SAFETY INSTRUCTIONS	3
1.3 REGULATORY NOTICES FEDERAL COMMUNICATIONS COMMISSION (FCC)	3
SECTION 2: INTRODUCTION	4
2.1 PACKAGE CONTENTS	4
2.2 BEFORE INSTALLATION	5
2.3 APPLICATION DIAGRAM	6
2.4 DEVICE DESCRIPTION & LAYOUT	7
SECTION 3: SPECIFICATIONS	8

1.1

IMPORTANT SAFEGUARDS

Please read all of these instructions carefully before you use the device. Save this manual for future reference. **What the warranty does not cover**

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
 - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - Repair or attempted repair by anyone not authorized by us.
 - Any damage of the product due to shipment.
- Removal or installation of the product.
- Causes external to the product, such as electric power fluctuation or failure.
- Use of supplies or parts not meeting our specifications.
- Normal wear and tear.
- Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

1.2

SAFETY INSTRUCTIONS

The Avenview CTRLPRO-MIP-V4, HDMI Extender has been tested for conformity to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment's, the CTRLPRO-MIP-V4 should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.





- ⚠ Do not dismantle the housing or modify the module. Dismantling the housing or modifying the module may result in electrical shock or burn.
- ⚠ Refer all servicing to qualified service personnel.
- ⚠ Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- ⚠ Keep the module away from liquids.
- ⚠ Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- ⚠ Have the module checked by a qualified service engineer before using it again.
- ⚠ Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

1.3

REGULATORY NOTICES FEDERAL COMMUNICATIONS COMMISSION (FCC)

This equipment has been tested and found to comply with part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

Warning symbols	Description
	ONLY USE THE PROVIDED POWER CABLE OR POWER ADAPTER SUPPLIED. DO NOT TAMPER WITH THE ELECTRICAL PARTS. THIS MAY RESULT IN ELECTRICAL SHOCK OR BURN.
	DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.
	THE VIDEO BOARDS ARE VERY SENSITIVE TO STATIC. PLEASE ENSURE IF RACK MOUNTED OR INSTALLED ON A SURFACE, IT SHOULD BE IN A GROUNDED ENVIROMENT.
	<p>⚠ WARNING</p> <p>Read & understand user guide before using this device.</p> <p>Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.</p>

SECTION 2: INTRODUCTION

This controller is a powerful and flexible solution for controlling multiple Video over IP (VoIP) extenders within same network. The user only needs to install this unit into the same local network as the extenders (Transmitter and Receiver) to easily define and configure channel routing selections, for both unicast and multicast scenarios, using the WebGUI. It is also possible to define and switch routes using customized groups or presets allowing for easy control over multiple video zones. Without the use of this centralized unit, each individual Transmitter and Receiver in the system would need to be controlled and configured directly through their own individual WebGUIs. Additionally, this unit supports controlling the matrix and video wall modes of connected VoIP units.

The settings of all connected Transmitter/Receiver units, including IP address, netmask and extender status are clearly displayed within the WebGUI. The WebGUI is easily accessed via a web browser over a normal network connection or by directly connecting an HDMI display and USB keyboard & mouse to the unit.

A trigger input interface is also provided to allow the easy addition of a remote control keypad, or other trigger-supporting products, which can be installed within a podium or within a table in a conference room or classroom. This interface can allow the user to activate stored presets with the simple press of a button. Standard control is available via WebGUI (remote or local), RS-232, Telnet, IR Remote and triggers.

2.1

PACKAGE CONTENTS



4K60 over 1G IP Master Controller
*1pcs



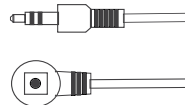
DC 5V/2.6A
*1pcs



User Manual
*1pcs



Remote Control (CR-183XA)
*1pcs



IR Extender Cable
*1pcs



Terminal Block (3-pin)
*1pcs



Terminal Block (5-pin)
*3pcs

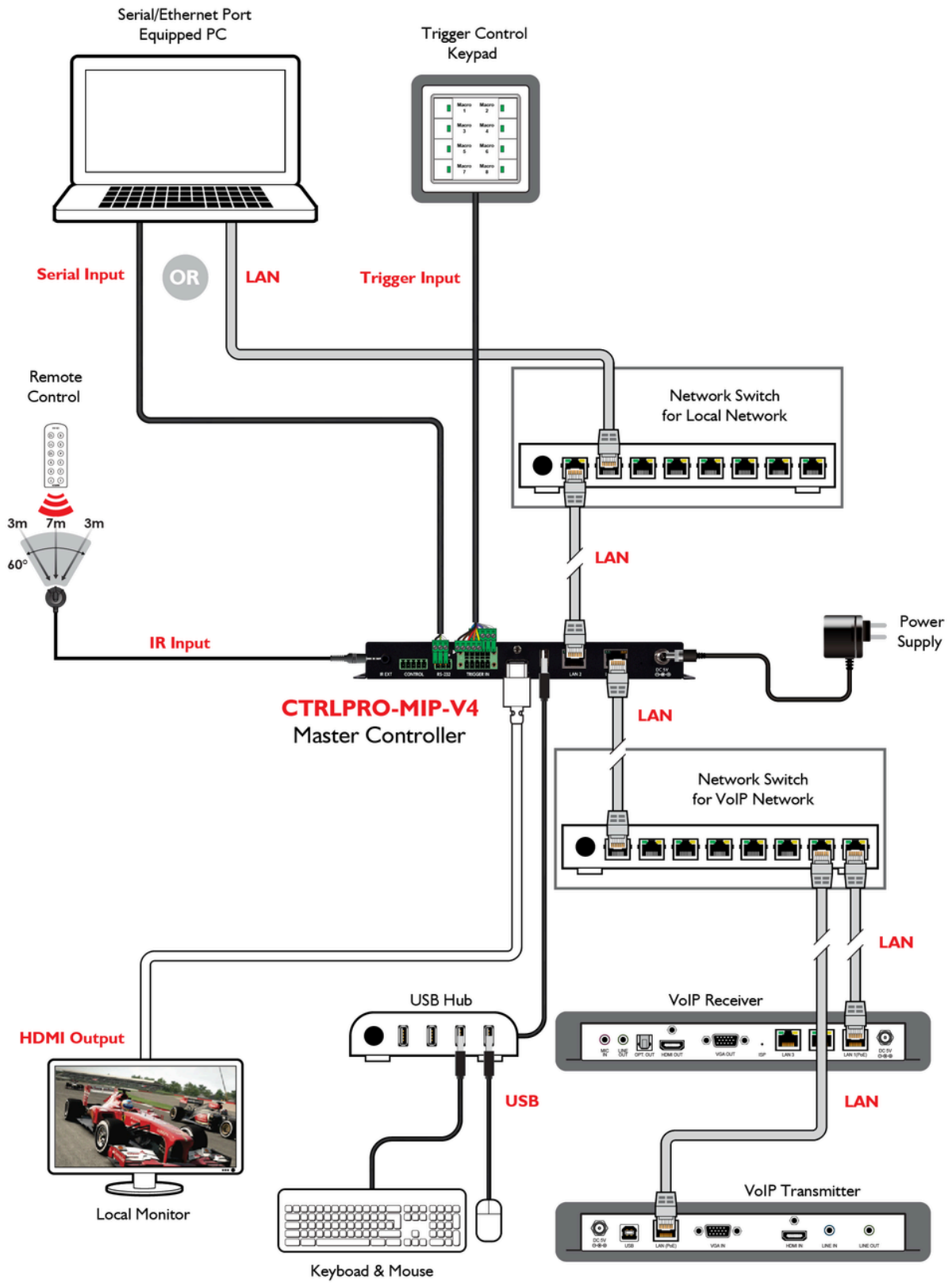


Shockproof Feet (Set of 4)
*1pcs

2.2

BEFORE INSTALLATION

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.

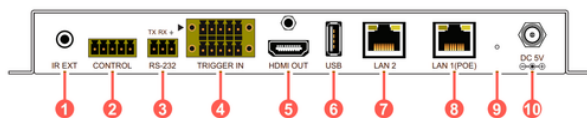


2.4.1 Front Panel (CTRLPRO-MIP-V4)



- 1 **Power light** This LED will illuminate to indicate the unit is on and receiving power
- 2 **IR Window** Accepts IR signals from the included IR remote for control of this unit only

2.4.2 Rear Panel (CTRLPRO-MIP-V4)



- 1 **IR EXT Port** Connect to the provided IR Extender to extend the IR control range of the unit. Ensure that the remote being used is within direct line-of-sight of the IR Extender control
- 2 **5-pin Terminal Block** Connect to a serial controllable device for the transmission of RS-232 signals.
- 3 **3-pin Terminal Block** Connect to a PC, laptop or other serial control device with a 3-pin adapter cable to control the unit via RS-232.
- 4 **TRIGGER IN 10-pin Terminal Block** Connect to the Trigger Control Keypad (OPTIONAL) or any device with trigger switch functionality such as window security alarms, motion detectors, door switches, etc. Each of the 8 trigger inputs will activate the associated macro (1-8) when triggered. Note: A minimum of 5V DC is required to activate each trigger
- 5 **HDMI OUT Port** Connect to a standard HDMI display to view the unit's current status information and access the WebGUI directly without a PC. Note: HDMI output is locked to a resolution of 1080p@60Hz.
- 6 **USB Port** Connect a USB mouse and keyboard to control the unit's WebGUI displayed on the HDMI output port. Firmware update via USB is also supported. Note: Specialized USB control devices, such as a touch panel, should be connected before the unit is powered on.
- 7 **LAN 2 Port** Connect directly, or through a network switch, to your PC/ laptop to control the unit via WebGUI/Telnet. Note: This LAN port cannot support AutoIP devices and should ONLY be used for external control of the IP Master Controller itself.
- 8 **LAN 1 (POE) Port** This port is used to connect to the extension units to be controlled. Connect to the extension units' private network through their dedicated network switch, to enable detection and control over those units. Note: If the connected network switch supports the IEEE 802.3af 2003 PoE (Power over Ethernet) standard, this unit can optionally be powered directly via this Ethernet port.
- 9 **FACTORY RESET Pinhole** Press and hold for 3 seconds to reset the unit to its factory defaults, including Ethernet settings. Note: While the reset is in process, the LEDs on the front of the unit will illuminate red. Once the reset is complete, the unit will return to normal operation.
- 10 **DC 5V Port** Plug the 5V DC power adapter into the unit and connect it to an AC wall outlet for power. (Optional, not required if the unit is powered via PoE)

SECTION 3: SPECIFICATIONS



Item	Specification / Details
Interfaces	
Input Port	1xHDMI (Type-A), 1xStereo Audio (3.5mm)
Output Port	1xHDMI (Type-A), 1xStereo Audio (3.5mm)
Output/Control Port	1xGbE LAN (RJ-45)
Pass-through Port	1xIR Extender (3.5mm), 1xIR Blaster (3.5mm), 1xRS-232, 1xUSB 2.0 (Type-C)
Video	
HDMI Compliance	HDMI 2.0 (DVI 1.0) HDCP2.2
HDCP Compliance	4096x2160p@60 8bit RGB
Input Signal Type	4096x2160p@60 8bit RGB
Output Signal Type	
Resolutions	
Maximum Input HDMI	4096x2160p@60
Maximum Output LAN	4096x2160p@60
Audio	
Digital Format HDMI	LPCM(8Channels), Bitstream, High Bit Rate Bitstream LPCM(2 Channels)
Line In/Out	2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)
Line Level In	2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)
Line Level Out	
Power	
Power Supply	PoE (802.3af) or 12V/1.25 A
Power Consumption	7.19W
Enclosure & System	
Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W x H x D)	231.5x25x108mm [Case Only], 231.5x25x120mm [All Inclusive] 660g
Weight	WebGUI
Field Firmware Update	

Avenview Warranty Certificate

AVENVIEW CORP. ("Avenview") warrants Avenview-branded product(s) contained in the original packaging against defects in materials and workmanship when used normally in accordance with Avenview's enclosed manual guidelines for a period of THREE (3) YEARS from the date of original retail purchase - Warranty Period. Avenview's published guidelines include but are not limited to information contained in technical specifications, user manuals and service communications.

LABOR: During the Warranty Period of THREE (3) YEARS, Avenview will repair or replace the product(s) at no cost using new or used parts equivalent to novel performance and reliability if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Labor applicable to product(s) after Warranty Period. For labor costs, please contact support@avenview.com.

PARTS: During the Warranty Period of THREE (3) YEARS, Avenview will supply new or rebuilt replacements in exchange for defective parts of the product(s) at no cost if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Parts applicable to product(s) after Warranty Period. For part(s) costs, please contact support@avenview.com.

To obtain Warranty: (a) proof of purchase in the form of a bill of sale or receipted invoice reflecting that the registered product(s) is within warranty period must be presented to obtain warranty service; (b) product(s) must be registered at time of purchase. Failure to do so will result in applicable parts and labor charges. Returning product(s) must be shipped in Avenview's original packaging or in packaging pertaining equal degree of protection to Avenview's. Both Avenview and purchaser are responsible for freight charges and brokerages when shipping the product(s) to the receiver.

NOT COVERED BY THIS WARRANTY

This warranty does not apply to any non-Avenview branded product(s); non-registered Avenview product(s). This warranty does not apply: (a) to cosmetic damage, including but not limited to scratches, dents and broken cords; (b) to damage caused by use with another product; (c) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external cause; (d) to damage caused by operating the Avenview product(s) outside Avenview's manuals or guidelines; (e) to damage caused by service performed by anyone who is not a representative of Avenview or an Avenview authorized personnel; (f) to defects caused by normal wear and tear or otherwise due to the normal aging of the Avenview product(s), or (g) if any serial number has been removed or defaced from the Avenview product(s).

AVENVIEW IS NOT LIABLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE; LOSS OF ACTUAL OR ANTICIPATED PROFITS (INCLUDING LOSS OF PROFITS ON CONTRACTS); LOSS OF THE USE OF MONEY; LOSS OF ANTICIPATED SAVINGS; LOSS OF BUSINESS; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; LOSS OF REPUTATION; LOSS OF, DAMAGE TO, COMPROMISE OR CORRUPTION OF DATA; OR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER.

Some states do not allow the inclusion or limitation of incidental or consequential damages, or allow limitations on duration implements of the Warranty Period; therefore the above limitations or exclusions may not be applicable to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.



275 Woodward Avenue, Kenmore, NY 14217
1.866.508.0269



AVENVIEW CORP

+ 1 716 218 4100

sales@avenview.com

+ 1 866 387 8764

1100 Military Road Kenmore, NY 14217

Disclaimer

While every precaution has been taken in the preparation of this document, Avenview Inc. assumes no liability with respect to the operation or use of Avenview hardware, software or other products and documentation described herein, for any act or omission of Avenview concerning such products or this documentation, for any interruption of service, loss or interruption of business, loss of anticipatory profits, or for punitive, incidental or consequential damages in connection with the furnishing, performance, or use of the Avenview hardware, software, or other products and documentation provided herein.

Avenview Inc. reserves the right to make changes without further notice to a product or system described herein to improve reliability, function or design. With respect to Avenview products which this document relates, Avenview disclaims all express or implied warranties regarding such products, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement.