DO Check the Box

QUANTITY	PRODUCT	COLOR	PART NUMBER
2	Bracket, Rack Ear, 1U		2032122
4	Bracket, Under Table Mount		2041951
1	Connector, 4-Pin		2003576
2	Connector, 5-Pin		2003577
1	Emitter Probe, IR, Crestron® STIRP		2001137
4	Foot, 0.5" x 0.5" x 0.23", Adhesive	Black	2002389
1	Power Cord, 6' 7" (2 m)		2001134
	DMPS3-4K-100-C Only		
1	Connector, 3-Pin		2003575
	Not Included: Cables, Rack Mount Screws, and Table Mount Screws		

DMPS3-4K-100-C/DMPS3-4K-50
3-Series® 4K DigitalMedia™ Presentation Systems

DO Install the Device

The DMPS3-4K-100-C and DMPS3-4K-50 can be mounted into a rack, mounted under a table, or placed onto a flat surface.

Mounting into a Rack

The DMPS3-4K-100-C and DMPS3-4K-50 each occupy 1U of rack space. Using a #1 or #2 Phillips screwdriver, attach the two included rack ears to the device. Then, mount the device into the rack using four mounting screws (not included). Refer to illustration ❶.
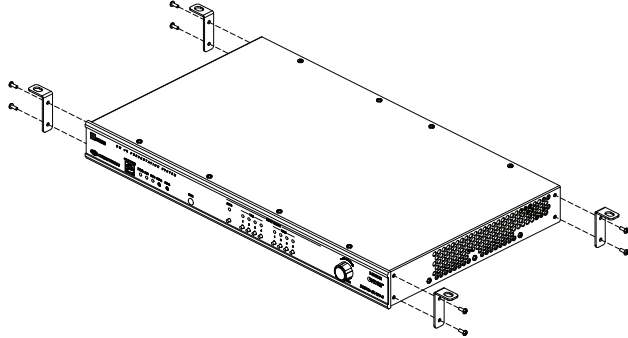
❶ Mounting into a Rack
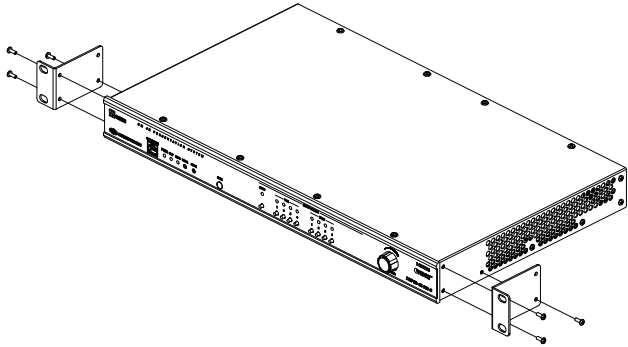
Mounting under a Table

Using a #1 or #2 Phillips screwdriver, attach the four included table mount brackets to the device. Then, attach the four table mount brackets to the underside of the table using four mounting screws (not included). Refer to illustration ❷.

❷ Mounting under a Table

Placing onto a Flat Surface

When placing the device onto a flat surface or stacking it with other equipment, attach the included feet near the corners on the underside of the device.

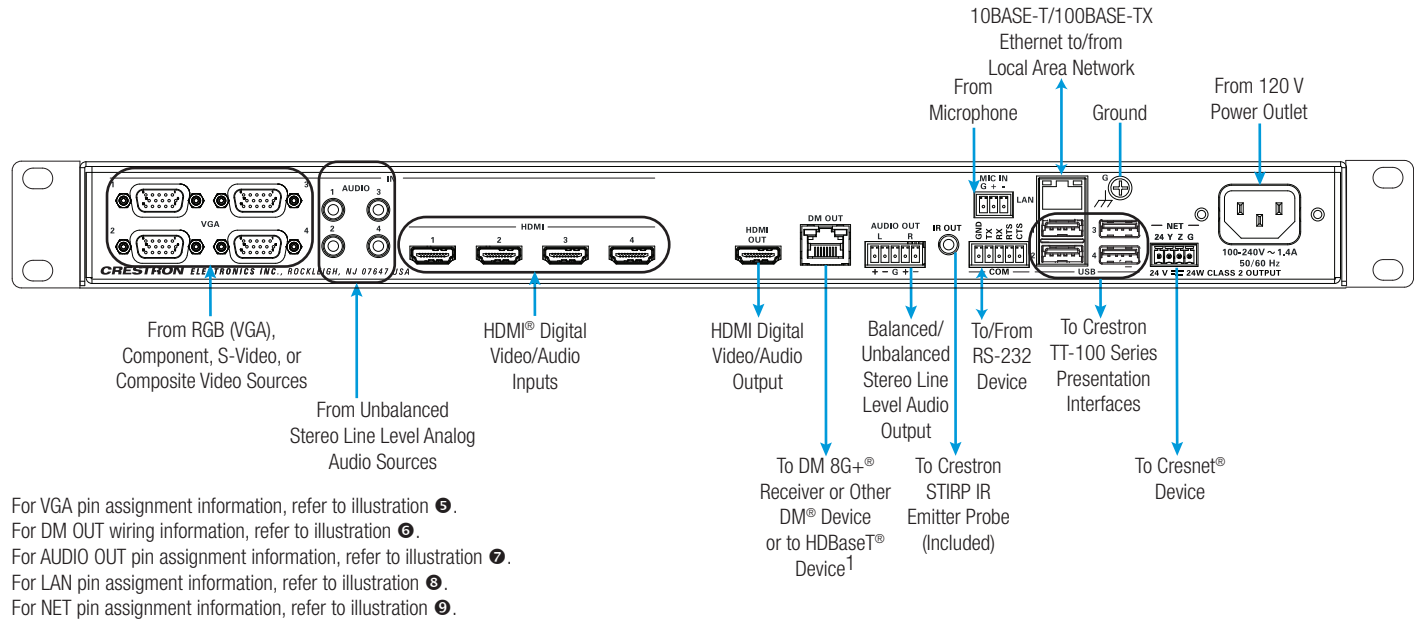### **DO** Make Connections to the Rear Panel

Make connections to the rear panel of the device. For DMPS3-4K-100-C connections, refer to illustration ❸. For DMPS3-4K-50 connections, refer to illustration ❹.
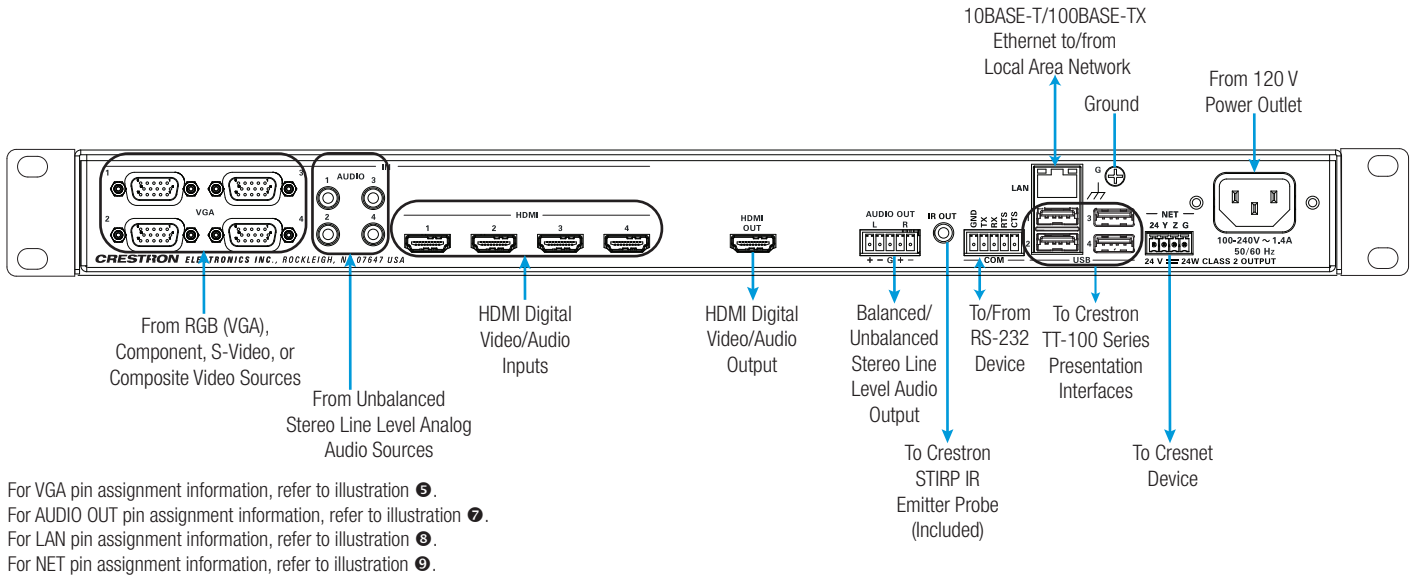
❸ DMPS3-4K-100-C Rear Panel Connections

10BASE-T/100BASE-TX Ethernet to/from Local Area Network
From Microphone
Ground
From 120 V Power Outlet

From RGB (VGA), Component, S-Video, or Composite Video Sources
From Unbalanced Stereo Line Level Analog Audio Sources
HDMI® Digital Video/Audio Inputs
HDMI Digital Video/Audio Output
Balanced/Unbalanced Stereo Line Level Audio Output
To/From RS-232 Device
To Crestron TT-100 Series Presentation Interfaces
To DM 8G+® Receiver or Other DM® Device or to HDBaseT® Device[1]
To Crestron STIRP IR Emitter Probe (Included)
To Cresnet® Device

For VGA pin assignment information, refer to illustration ❺.
For DM OUT wiring information, refer to illustration ❻.
For AUDIO OUT pin assignment information, refer to illustration ❼.
For LAN pin assignment information, refer to illustration ❽.
For NET pin assignment information, refer to illustration ❾.

❹ DMPS3-4K-50 Rear Panel Connections

10BASE-T/100BASE-TX Ethernet to/from Local Area Network
Ground
From 120 V Power Outlet

From RGB (VGA), Component, S-Video, or Composite Video Sources
From Unbalanced Stereo Line Level Analog Audio Sources
HDMI Digital Video/Audio Inputs
HDMI Digital Video/Audio Output
Balanced/Unbalanced Stereo Line Level Audio Output
To/From RS-232 Device
To Crestron TT-100 Series Presentation Interfaces
To Crestron STIRP IR Emitter Probe (Included)
To Cresnet Device

For VGA pin assignment information, refer to illustration ❺.
For AUDIO OUT pin assignment information, refer to illustration ❼.
For LAN pin assignment information, refer to illustration ❽.
For NET pin assignment information, refer to illustration ❾.

❺ VGA Connector Pin Assignments

Pin 5 Pin 1
Pin 10   Pin 6
Pin 15 Pin 11
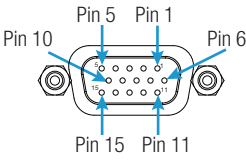
PIN NUM.	RGB	YPbPr	S-VIDEO	COMPOSITE
1	R	Pr	C	
2	G	Y	Y	
3	B	Pb		COMP
5	GND	GND	GND	GND
6	RED_GND	Pr_GND	C_GND	
7	GRN_GND	Y_GND	Y_GND	
8	BLU_GND	Pb_GND		
13	H			
14	V			

NOTE: For best video performance, ground connections should be kept separate. Do not connect ground wires to the connector shell. The connector shell is reserved for the cable shield.

❻ DM OUT Connector Wiring (DMPS3-4K-100-C Only)

Pin 8   Pin 1
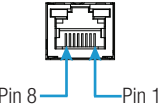
PIN NUM.	WIRE COLOR	PIN NUM.	WIRE COLOR
1	Orange/White	5	Blue/White
2	Orange	6	Green
3	Green/White	7	Brown/White
4	Blue	8	Brown

❼ AUDIO OUT Pin Assignments

L   R
+ − G + −

SIGNAL NAME	BALANCED AUDIO OUTPUT	UNBALANCED AUDIO OUTPUT
+	L+	L+ Out
−	L−	Open
G	Shield/Ground	Common Ground
+	R+	R+ Out
−	R−	Open

Balanced Output

L   R
+ − G + −

Shield

+ Right
AMP
+ Left

Unbalanced Output

L   R
+ − G + −

+ Right
AMP
+ Left
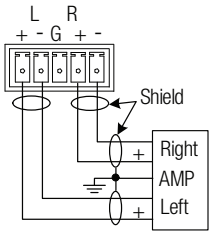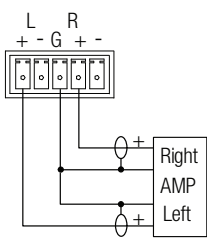
❽ LAN Pin Assignments

Pin 8   Pin 1
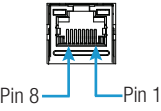
PIN NUM.	SIGNAL	PIN NUM.	SIGNAL
1	TX+	5	N/C
2	TX−	6	RX−
3	RX+	7	N/C
4	N/C	8	N/C

❾ NET Pin Assignments

24 Y Z G

24: Power, 24 Vdc (Red Wire)
Y: Data (White Wire)
Z: Data (Blue Wire)
G: Ground (Black Wire)

DO Determine the Address of the Device

The DMPS3-4K-100-C and DMPS3-4K-50 can be addressed using the hostname. The default hostname is DMPS3-xxxxxxxx, where xxxxxxxx consists of the last eight characters (excluding punctuation) of the MAC address. For example, if the MAC address is 00:10:7F:08:09:AA:05, the default host name is DMPS3-0809AA05. The MAC address is labeled on the rear panel of the DMPS3-4K-100-C and DMPS3-4K-50.

Alternatively, the DMPS3-4K-100-C and DMPS3-4K-50 can be addressed using the IP address of the device. By default, DHCP is enabled. To set a static IP address, use the Crestron Toolbox™ application on a PC that connects to the device via the Ethernet network or a USB connection to the COMPUTER port on the front panel of the device. If the PC connects to the Ethernet network, the Device Discovery Tool in the Crestron Toolbox application can be used to find the current IP address.

DO Commission the System

Using the web interface, configure the DMPS3-4K-100-C or DMPS3-4K-50. To access the web interface, open a web browser and go to the setup directory of the device by entering either of the following:

hostname/setup (hostname is the hostname of the device)

or

xxx.xxx.xxx.xxx/setup (xxx.xxx.xxx.xxx is the IP address of the device)

The DMPS3-4K-100-C and DMPS3-4K-50 also provide the built-in DMPS .AV Framework™ Base Program, which enables complete system control without requiring additional programming. Control is accomplished using the Crestron TSW-752 Touch Screen (TSW-752-B-T DMPS3 PAK KIT), the Crestron XPanel interface, or the Crestron Control App for Apple® iPad® tablet. All VT Pro-e® projects as well as the latest version of the DMPS .AV Framework Base Program are available on the DMPS3-4K-100-C and DMPS3-4K-50 product web pages. For more information, refer to Answer ID 5636 in the Online Help on the Crestron website (www.crestron.com/onlinehelp).

DO Allow Automatic Switching or Manually Select an Input

By default, automatic switching of inputs is enabled. Automatic switching causes the last connected input to be routed to the output. The AUTO LED lights to indicate that automatic switching is enabled.

To manually select and activate the desired input, press one of the **VGA** (1–4) or **HDMI** (1–4) **INPUT SELECT** buttons. Refer to the following table for a summary of the LED behavior of selected and nonselected inputs.

LED COLOR	DESCRIPTION
Solid green	The input is the active selection, and an incoming signal is detected.
Flashing green	The input is the active selection, and an incoming signal is not detected.
Solid amber	The input is not the active selection, and an incoming signal is detected.
Off	The input is not the active selection, and an incoming signal is not detected.

NOTE: Manual selection of an input disables automatic switching. When automatic switching is disabled, the AUTO LED turns off.

1. The DM OUT port of the DMPS3-4K-100-C is a PoDM (Power over DM) and PoH (Power over HDBaseT) PSE (Power Sourcing Equipment) port. Any wiring that is connected to a PoDM or PoH PSE port is for intra-building use only and should not be connected to a line that runs outside of the building in which the PSE is located.

DO Learn More

Visit the website for additional information and the latest firmware updates. To learn more about this product, use a QR reader application on your mobile device to scan the QR images.

DMPS3-4K-100-C

DMPS3-4K-50

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