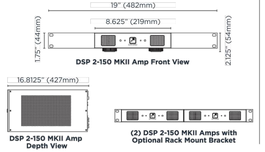
DSP AMPLIFIER DATA SHEET

DSP 2-150 MKII MULTI-CHANNEL POWER AMPLIFIER

TECHNICAL SPECIFICATIONS

SKU	93378
UOM	Each
Number of Channels	2 (1 stereo pair)
RMS per Channel @ 8 Ohms	150 watts (2 channels driven)
RMS per Channel @ 4 Ohms	224 watts (2 channels driven)
RMS per Channel Bridged @ 8 Ohms	473 watts
Frequency Response	5Hz-50kHz
Distortion (1kHz) @ 8 Ohms	0.07%
Distortion (1kHz) @ 4 Ohms	0.06%
AC Voltage	100-120V@60Hz, 220-240V@50Hz
AC Fuse	5A (TSAL - 250V)
Dimensions + Feet (WxHxD)	8.625" x 2.125" x 16.8125" (219mm x 54mm x 427mm)
Dimensions + Rack Ears, No Feet (WxHxD)	19" x 1.75" x 13.8125" (482mm x 44mm x 427mm)
Rack Space Requirement	1U
Shipping Weight	11 lbs. (5kg)

DIMENSIONAL DRAWINGS



DSP 2-150 MKII Amp Front View



DSP 2-150 MKII Amp Depth View

(2) DSP 2-150 MKII Amps with Optional Rack Mount Bracket

OPTIONAL ACCESSORIES

MODULES AND BRACKETS

Digital Input Module (DIM)	93099
Hybrid Input Module (HIM)	93361
Rack Mount Bracket	93098

ASSOCIATED PRODUCTS

SONAMP DIGITAL AMPLIFIERS

2-100	93091
12-50	93092

LIMITED TWO (2) YEAR WARRANTY
Sonance warrants to the first end-user purchaser that this Sonance-brand product ("Product"), when purchased from an authorized Sonance Dealer/Distributor, will be free from defective workmanship and materials for the period stated above. Sonance will at its option and expense during the warranty period, either repair the defect or replace the Product with a new or remanufactured Product or a reasonable equivalent. For more details please refer to the product manual.

©2021 Sonance. All rights reserved. Sonance is a registered trademarks of Dana Innovations. Due to continuous product improvement, all features and specifications are subject to change without notice. For the latest Sonance product specification information visit our website at www.sonance.com.

SONANCE • 991 Calle Amanecer • San Clemente, CA 92673 USA • Phone: (949) 492-7777 • Fax: (949) 361-5151 • Technical Support: (949) 492-7777 • www.sonance.com • 03.17.2021

A AV-13.4

AMP - SONANCE AMPLIFIER

(N.T.S)



Amplifier Section
Channels
Rated Output Power (1kHz, 2ch driven)
Rated Output Power (20Hz-20kHz, 2ch driven)
Maximum Effective Output Power (1kHz, 1ch driven) (JEITA)
Dynamic Power / Ch (Front L/R, 8/6/4/2 ohms)
Surround Sound Processing
Surround:AI
Cinema DSP
DSP Programs
Dialog Level Adjustment
Virtual Presence Speaker
Virtual Surround Back Speaker
Dialogue Lift
SILENT Cinema / Virtual Cinema DSP
Dolby Atmos
Dolby TrueHD
Dolby Digital Plus
Dolby Surround
DTS:X
DTS-HD Master Audio
Audio Features
File Format
Pure Direct
Compressed Music Enhancer
High-resolution Music Enhancer
YPAO Multi-point Measurement
YPAO Volume
Adaptive DRC (Dynamic Range Control)
Initial Volume and Maximum Volume Setting
A.R.T. Wedge
Bi-amp Capability
Audio Delay
DA Converter
Video Features
4K Ultra HD Pass-through and Upscaling
HDMI 3D Pass-through
HDMI eARC
HDMI Audio Return Channel
HDMI Upscaling
Deep Color / x.v.Color / 24Hz Refresh Rate / Auto Lip-Sync

B AV-13.4

RCVR - YAMAHA RECEIVER

(N.T.S)



E AV-13.4

DVD (BLU-RAY)

(N.T.S)



4-Series™ Control System

- *Compact 4-Series™ control system with 1 GB SDRAM and 8 GB flash memory*
- *Embedded 4-Series multicore CPU processor*
- *iPhone®, iPad®, and Android™ device control app support*
- *XPanel computer and web based control*
- *Modular programming architecture (optional)*
- *Onboard IR/serial, COM, digital input, relay, Cresnet® network, and Ethernet control ports*
- *USB OTG (On-the-Go) port*
- *Crestron Fusion® software room monitoring and scheduling*
- *Crestron XiO Cloud® service provisioning and management*
- *Enterprise-class network security and authentication*
- *SNMP V3 remote IT management support*
- *Native BACnet network/IP support*
- *Installer setup via software, web browser, or cloud*
- *IPv6 ready*
- *Integrates with Apple® HomeKit® technology*
- *PoE (Power over Ethernet) network power*
- *Compact, stackable IFE micro form factor*
- *Surface or DIN rail mountable*
- *Available rack mount and pole mount options*

The Crestron® RMC4 provides a secure, high-performance, cost-effective control processor and interface for controlling and monitoring for a single display device, a small AV system, lighting and shading, climate control, security, energy management, and many other specialized applications. A small form factor allows the RMC4 to be placed just about anywhere, with the option to attach it to a flat surface or DIN-rail using the included mounting bracket. The RMC4 can fit easily behind a video display or above a projector, and provides enough control ports to control the display device along with a screen or lift.

4-Series Control Engine

4-Series™ control systems come equipped with an upgraded multicore CPU, delivering a sizable speed and performance increase compared to all Crestron 3-Series® control processors. The improved performance allows 4-Series control systems to handle the increasing demands of an advanced automated system. Crestron 4-Series delivers a dynamic and secure control system platform capable of managing a room full of disparate technologies.

Reliable networking and IP control afford seamless integration with other systems and devices, with add-on control capability using Crestron touch screens, wireless remotes, and mobile device apps, as well as remote management through Crestron Fusion® software and the Crestron XiO Cloud® service.

Modular Programming Architecture

The RMC4 is designed to run a single program out of the box. The optional modular programming architecture (MPA) add-on allows the RMC4 to run up to ten programs simultaneously.[1] Programmers can develop and run independent, device-specific programs, enabling each program to be optimized for a specific function and allowing for changes to be made to one program without affecting the whole system.

Onboard Control Ports

Through a full complement of onboard control ports, the RMC4 can be integrated with a wide variety of audio, video, lighting, motorized shades, thermostats, door locks, sensors, security systems, and other equipment.

- Ethernet provides an interface for connecting to the building network and controlling Crestron AV switchers, audio processors, power controllers, and other IP controllable equipment.
- Cresnet® network connectivity provides support for Crestron lighting dimmers, motorized shades, sensors, thermostats, keypads, and more.[2]
- Onboard RS-232, IR, relay, and digital input control ports enable direct integration with all types of third-party equipment.

Expanded connectivity can be provided to the RMC4 via Crestron control port expansion modules, Ethernet to Cresnet bridges, wired Ethernet I/O extenders, or Wi-Fi® network I/O extenders (all sold separately).

Crestron Fusion Room Monitoring and Scheduling

Crestron Fusion provides an integrated platform for creating smart buildings that save energy and enhance worker productivity. As part of a complete managed network in a corporate enterprise, college campus, convention center, or any other facility, the RMC4 works with Crestron Fusion to enable remote scheduling, monitoring, and control of rooms and technology from a central help desk or mobile app. It also enables organizations to reduce energy consumption by tracking real-time usage and automating control of AV, lighting, shades, and HVAC. For more information about Crestron Fusion, visit www.crestron.com/fusion.

Crestron Electronics Inc.
15 Volvo Drive | Rockleigh, NJ 07647
www.crestron.com | 800.237.2041

C AV-13.4

PROC - CRESTRON PROCESSOR

(N.T.S)

4K HDMI® over HDBaseT™ Extender w/IR & RS-232

- *HDBaseT™ Certified 4K Ultra HD signal extender*
- *Extends uncompressed digital video, audio, and control signals over a single CAT type twisted pair cable[1]*
- *Supports cable lengths up to 330 ft (100 m) for all resolutions up to 4K and Ultra HD using DM® Ultra cable[2]*
- *Supports cable lengths up to 330 ft (100 m) for 1080p, WUXGA, and 2K using DM 8G® cable or CAT5e[3]*
- *Supports cable lengths up to 230 ft (70 m) for 4K and UHD using DM 8G cable, or 165 ft (50 m) using CAT5e[3]*
- *Compatible with HDMI®, DVI, and DisplayPort Multimode sources[20]*
- *Compatible with HDMI and DVI display devices[21]*
- *Supports Dolby® TrueHD, DTS-HD®, and uncompressed 7.1 linear PCM audio*
- *HDCP 2.2 compliant*
- *Passes CEC and EDID*
- *Includes universal IR repeater up to 455 kHz*
- *Extends bidirectional RS-232 up to 115.2k Baud*
- *24VDC power pack included[19]*
- *Available in white or black*
- *No programming or configuration required*



The Crestron® 4K HDMI® over HDBaseT™ Extender (HD-EXT3-C) delivers a professional-grade digital HD AV signal extension solution for use in the home, classroom, auditorium, or corporate boardroom. Without any special setup or configuration, the HD-EXT3-C enables the transmission of ultra high-definition digital video and audio, plus RS-232 and IR control, over wire runs up to 330 feet (100 meters) using a single CAT type twisted pair cable.[2]

NOTE: The HD-EXT3-C is composed of one HD-TX3-C transmitter and one HD-RX3-C receiver. These components are only sold as part of the HD-EXT3-C package.

4K Ultra HD Signal Extension

Using HDBaseT technology, the HD-EXT3-C allows for the extension of uncompressed HDMI signals over a single CAT type twisted pair cable. In addition to HDMI, it is also compatible with DVI and DisplayPort Multimode sources, and DVI display devices.[20] Without relying on signal-degrading compression or inferior HDMI signal boosting, HDBaseT reliably transports the full resolution signal from source to display — intact and uncompromised.

The HD-EXT3-C handles uncompressed Full HD 1080p, Ultra HD, 2K, and 4K video signals with support for 3D, Deep Color, and HDCP 2.2. Audio capabilities include support for high-bitrate 7.1 audio formats like Dolby® TrueHD and DTS-HD Master Audio™ as well as uncompressed linear PCM. All signals are transported over a single CAT type cable, supporting 1080p, WUXGA, and 2K signals at distances up to 330 feet (100 m) using Crestron DM® Ultra or DM 8G® Cable, or third-party CAT5e.

Higher resolutions up to UHD and 4K are supported at distances up to 330 feet (100 m) using DM Ultra Cable, 230 feet (70 m) using DM 8G Cable, or 165 feet (50 m) using CAT5e.[3]

...And Control Too!

In addition to video and audio, the HD-EXT3-C provides for the extension of IR and bidirectional RS-232 control signals for a true one-wire AV interface solution.

Uncompromised and Uncomplicated

Crestron HDMI over HDBaseT products afford a very dependable signal extension solution that's simple to implement. No special configuration or programming is required — just connect your source and display and enjoy high-quality video and audio from across the room — or the other end of the house.

The HD-EXT3-C is composed of one transmitter and one receiver (HD-TX3-C and HD-RX3-C, both included). The transmitter can be mounted in a single-gang wall box, or attached to any flat surface or inside an equipment rack. The compact receiver can be mounted discreetly behind a display device or wherever else it needs to go. Linking the two components requires just one CAT type cable.[1] Crestron offers the cable and connectors for a complete, easy, and reliable wiring solution. A range of professional AV interface cables and wall plates is also available to complement the HD-EXT3-C for a total custom installation solution.

D AV-13.4

RX/TX CRESTRON BALUNS

(N.T.S)

CAMDEN

Main & Jamboree

2801 Main Street
Irvine, CA 92614

ON TARGET SOLUTIONS

17691 Mitchell North
Irvine, CA 92614
Phone (949) 543-3200
Fax (949) 236-8478
WWW.TEAMONTARGET.COM

Project Title

AUDIO & VIDEO

AMENITIES

ISSUED
DATE: JULY 16, 2021

Revisions:			MM-DD-20YY
Number		Descriptions:	Date:
0.14	BID		04-23-21
0.15	BID		07-16-21

Designed	O.T.S
Prepared	DTW
Checked	--
Approval Date	4/23/21
Submittal	--
Scale	NTS

Sheet Title

LEASING BLDG

AVR
EQUIPMENT

SPEC SHEET

Sheet Number

AV-13.4