

MDA 2V EQ, MDA 4V EQ, & MDA 4SV EQ

MINI DISTRIBUTION AMPLIFIERS WITH
GAIN AND EQUALIZATION CONTROLS

VERSA[®]
TOOLS

- Independent variable gain and EQ control per output
- 150 MHz (-3dB) video bandwidth, fully loaded
- Video loop-through
- 1U, quarter rack metal enclosure
- External international power supply



MDA 2V EQ



MDA 4SV EQ



MDA 4V EQ

The MDA EQ Series high performance distribution amplifiers are designed to split and extend video signals over long cable runs while maintaining the quality and strength of a signal source. These products accommodate a wide variety of applications including boardrooms, training facilities, home theater, command and control centers, and rental and staging environments.



Extron® Electronics

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DESCRIPTION

The Extron **MDA EQ Series** includes three models of high performance distribution amplifiers for composite video and S-video. All three models provide 150 MHz (-3dB) video bandwidth with gain adjustments to allow for compensation of signal level loss that occurs over long cable runs, while the EQ adjustments compensates for high frequency loss. Each model is compatible with NTSC, PAL, and SECAM video signals, and allows for cable runs of 600 feet (180 meters) to 1,000 feet (300 meters) or more, depending on the quality of the coax cable. They also feature passive loop-through capabilities, which provides the ability to add more amplifiers and create a larger DA system or drive a local monitor.

The MDA 2V EQ is a one input, two output composite video mini distribution amplifier, while the MDA 4V EQ is a one input, four output composite video mini distribution amplifier. With female BNC inputs and outputs, plus individual variable gain and EQ adjustments for individual outputs, these DAs provide integration-friendly features for virtually any application.

The MDA 4SV EQ is a one input, four output S-video mini distribution amplifier. This DA includes one input and four outputs on 4-pin mini DIN connectors. The MDA 4SV EQ is commonly used to split the S-video output signal from a single video source such as a DVD player, S-VHS VCR, or document camera out to multiple monitors, display devices, VCRs, or other output devices.

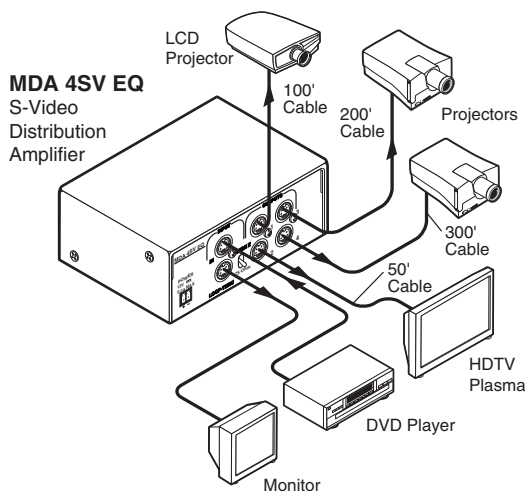
The MDA 4SV EQ provides these adjustments for every two outputs:

- Separate gain controls for luma (Y) and chroma (C) signals
- EQ adjustments for maintaining video signal integrity

Part of the VersaTools line of economical, compact products, each DA is rack or under-desk mountable and comes with an external power supply. Their small size makes them ideal for easy integration into new and existing A/V systems. All models are housed in 1U, quarter rack width rugged metal enclosures.

FEATURES

- 150 MHz (-3 dB) video bandwidth, fully loaded
- Variable gain and EQ adjustments
- Independent gain and EQ control per output
- Video loop-through
- 1U, quarter rack metal enclosure
- External international power supply



SPECIFICATIONS

VIDEO

Gain	-6 dB to +6 dB (x 0.7 to x 1.4), adjustable
Equalization	0 dB to +6 dB (x 1 to x 2) at 4 MHz, adjustable
Chroma phase	(all models except MDA 4SV EQ).... ±180 degrees, adjustable
Bandwidth	150 MHz (-3 dB)

VIDEO INPUT AND LOOP-THROUGH

Number/signal type	
MDA 2V EQ, MDA 4V EQ	1 composite video input, 1 passive composite video loop-through
MDA 4SV EQ	1 S-video input, 1 passive S-video loop-through
Connectors	
MDA 2V EQ, MDA 4V EQ	1 female BNC (input), 1 female BNC (loop-through)
MDA 4SV EQ	1 female 4-pin mini DIN (input), 1 female 4-pin mini DIN (loop-through)
Nominal level	1 Vp-p for Y of S-video, and for composite video 0.3 Vp-p for C of S-video
Minimum/maximum levels	
MDA 2V EQ, MDA 4V EQ	0.4 V to 2 Vp-p with no offset at unity gain
MDA 4SV EQ	Y: 0.4 V to 2 Vp-p with no offset at unity gain
Impedance	75 ohms
Return loss	
MDA 2V EQ, MDA 4V EQ	<-40 dB @ 0 to 10 MHz
MDA 4SV EQ	<-25 dB @ 0 to 10 MHz
DC offset (max. allowable)	5.0 V, AC coupled

VIDEO OUTPUT

Number/signal type	
MDA 2V EQ	2 composite video
MDA 4V EQ	4 composite video
MDA 4SV EQ	4 S-video
Connectors	
MDA 2V EQ	2 female BNC
MDA 4V EQ	4 female BNC
MDA 4SV EQ	4 female 4-pin mini DIN
Nominal level	1 Vp-p for Y of S-video, and for composite video 0.3 Vp-p for C of S-video
Minimum/maximum levels	0.4 V to 2 Vp-p
Impedance	75 ohms
Return loss	<-30 dB @ 5 MHz
DC offset	±5 mV with input at 0 offset

SYNC

Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
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GENERAL

Power	Supplied by an external power supply
External power supply	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.2 A
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01; or VersaTools® rack shelf, part #60-190-20 or 60-604-20 Also furniture mountable with optional brackets
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) 4.3 cm H x 10.9 cm W x 7.6 cm D (Depth excludes connectors.)
Product weight	0.7 lbs (0.3 kg)
Shipping weight	3 lbs (2 kg)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
NOTE: All nominal levels are at ±10%	

Model	Part Numbers
MDA 2V EQ	60-696-01
MDA 4V EQ	60-697-01
MDA 4SV EQ	60-698-01

Specifications are subject to change without notice.



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