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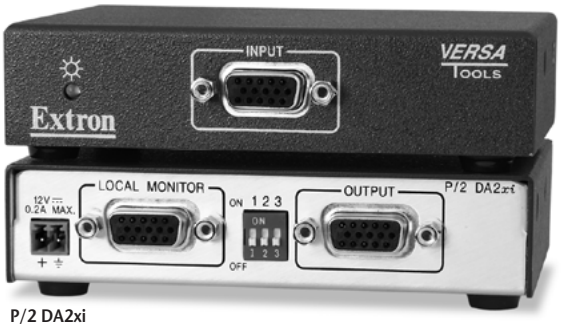
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P/2 DA2xi
P/2 DA2xi MT

TWO OUTPUT VGA-QXGA DISTRIBUTION AMPLIFIERS

- 350 MHz (-3 dB) RGB bandwidth, fully loaded
- Gain and peaking switch
- Selectable sync impedance
- Power and source signal indicator
- Includes detachable 6' (2 m) male-to-male VGA input cable
- DDC signal pass-through
- Active PC Audio interfacing – P/2 DA2xi MT only



P/2 DA2xi



P/2 DA2xi MT

The Extron P/2 DA2xi and P/2 DA2xi MT are one input, two output, high performance distribution amplifiers. They are available in compact and durable metal enclosures which can be easily installed in small, tight places. They are even portable enough to fit into a briefcase for presenters on-the-go.

DESCRIPTION

The Extron **P/2 DA2xi** and **P/2 DA2xi MT** are one input, two output, high resolution VGA-QXGA distribution amplifiers. Available in compact and durable metal enclosures, these units can be easily installed in small, tight places. They are even portable enough to fit into a briefcase for presenters on-the-go. They offer 350 MHz (-3 dB) RGB video bandwidth and are compatible with VGA-QXGA graphic cards, monitors, and projectors. Gain, peaking, and sync impedance are DIP switch selectable.

Housed in quarter rack width enclosures, the flexible P/2 DA2xi and P/2 DA2xi MT can be combined with a variety of mounting options to meet the requirements of virtually any application or environment. Utilizing an optional VersaTools® or Universal Rack Shelf Kit, the P/2 DA2xi and P/2 DA2xi MT can be rack-mounted alone or with three other quarter rack width A/V products. Additional mounting kits are available so these systems can be mounted under a desk or next to a projector.

FEATURES

- **Bandwidth** – 350 MHz (-3 dB) RGB bandwidth, fully loaded.
- **Gain and peaking switch** – Provides various levels of signal boost to maintain video signal integrity over long cable runs.
- **Selectable sync impedance** – Sync impedance can be set via DIP-switch for optimum compatibility with various laptop computers.
- **Power and source signal indicator** – A dual color LED illuminates yellow to indicate power, and green to indicate that a signal is present at the input.
- **DDC signal pass-through** – DDC information is routed from the input to the local monitor output. DDC pass-through ensures that the display connected to the local monitor output is able to communicate with the computer graphics card, providing information about its maximum resolution capability and optimal resolution.
- **Rack-mountable or portable**
- **External international power supply** – An autoswitchable power supply is included.
- **Extron input cable(s) included** – The P/2 DA2xi comes with one detachable, high performance, Extron six foot male to male VGA cable, while the P/2 DA2xi MT comes with one detachable six foot male to male VGA with audio cable.

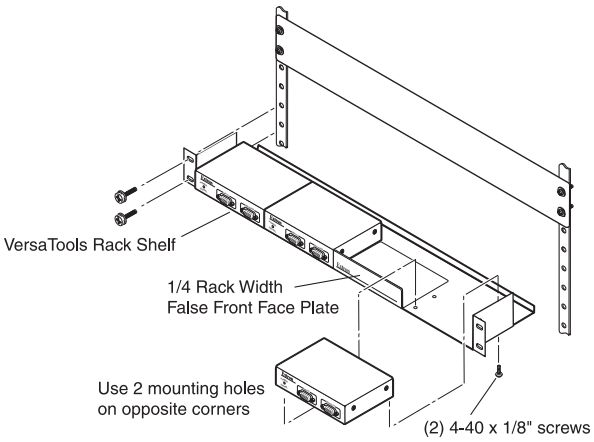


Includes Extron VGA with Audio Cable

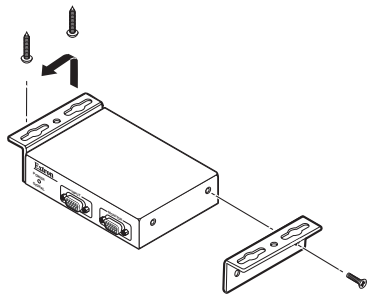
MOUNTING OPTIONS

Because the P/2 DA2xi and P/2 DA2xi MT are housed in quarter rack width metal enclosures, there are a number of versatile mounting options available to suit virtually any application or environment. With an optional VersaTools or Universal Rack Shelf Kit, either model can be rack-mounted alone or with three other quarter rack width A/V products. There are also optional mounting kits available so the P/2 DA2xi and P/2 DA2xi MT can be mounted under a desk or next to a projector (see mounting options diagrams below).

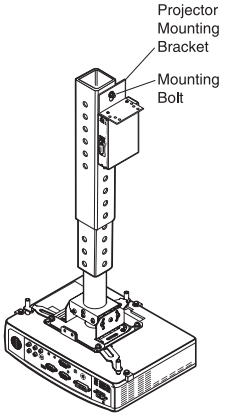
Rack Mount



Under Desk Mount



Projector Mount



VIDEO

Gain	
P/2 DA2xi	Output: 0 dB or 0.4 dB, selectable Local monitor output: unity
P/2 DA2xi MT	Output: 0 dB or 0.6 dB, selectable Local monitor output: unity
Peaking	
P/2 DA2xi	Output: selectable, 0.7 dB or 1.4 dB at 100 MHz
Local monitor output: fixed	
P/2 DA2xi MT	Output: selectable, 0 dB or 0.6 dB at 100 MHz Local monitor output: fixed
Bandwidth	350 MHz (-3 dB)

VIDEO INPUT

Number/signal type	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs
Connectors	(1) 15-pin HD female
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels	Analog, 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance	75 ohms
Horizontal frequency	15 kHz to 135 kHz
Vertical frequency	30 Hz to 170 Hz
Return loss	<-38 dB @ 5 MHz
DC offset (max. allowable)	1.0 V
Input coupling	DC

VIDEO OUTPUT

Number/signal type	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs 1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs local monitor loop-through (i.d. bits are passed through)
Connectors	(2) 15-pin HD female
Nominal level	0.7 Vp-p for RGB at unity gain
Minimum/maximum levels	Analog, 0.3 V to 1.5 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-40 dB @ 5 MHz
DC offset	±5 mV with input at 0 offset

SYNC

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB, RsGsBs
Input level	1.5 V to 5.0 Vp-p
Output level	TTL, 5 Vp-p, unterminated
Input impedance	
P/2 DA2xi	<1k ohm (default) or 10k ohms, selectable
P/2 DA2xi MT	510 ohms (fixed)
Output impedance	75 ohms (default) or 50 ohms, selectable
Max. propagation delay	60 ns
Max. rise/fall time	4 ns
Polarity	Positive or negative (follows input)

AUDIO — P/2 DA2XI MT

Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, +0.05 dB, -0.1 dB
THD + Noise	0.03% @ 1 kHz at nominal level
S/N	>90 dB (balanced) at maximum output
Crosstalk	<-80 dB @ 1 kHz, fully loaded
Stereo channel separation	>80 dB @ 1 kHz, >60 dB @ 20 kHz
CMRR	>67 dB @ 20 Hz to 20 kHz

AUDIO INPUT — P/2 DA2XI MT

Number/signal type	1 stereo, unbalanced
Connectors	(1) 3.5 mm stereo jack, female; tip (L), ring (R), sleeve (GND)
Impedance	>18k ohms unbalanced, DC coupled
Nominal level	-10 dBV (316 mV)
Maximum level	>+10 dBV (3.16 V) (unbalanced) at 1%THD+N

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

AUDIO OUTPUT — P/2 DA2XI MT

Number/signal type	1 stereo, balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1 dB channel to channel
Nominal level	-2 dBu (632 mV) balanced output -10 dBV (316 mV) unbalanced output
Maximum level (Hi-Z)	>+15 dBu (4.36 V), balanced at 1% THD+N
Maximum level (600 ohms)	>+9 dBm (2.18 V), balanced at 1% THD+N

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, 4.5 watts, external, autoswitchable; to 12 VDC, 1 A
Power input requirements	12 VDC, 0.2 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	Yes, with optional 1U rack shelf
Enclosure type	Metal
Enclosure dimensions	1.0" H x 4.3" W x 3.0" D (quarter rack wide) 2.5 cm H x 10.9 cm W x 7.6 cm D (Depth excludes connectors.)
Product weight	0.5 lbs (0.3 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

Model	Version Description	Part Number
P/2 DA2xi	1x2 VGA-QXGA	60-506-03
P2 DA2xi MT	1x2 VGA-QXGA w/ Audio	60-506-21

Included Accessories

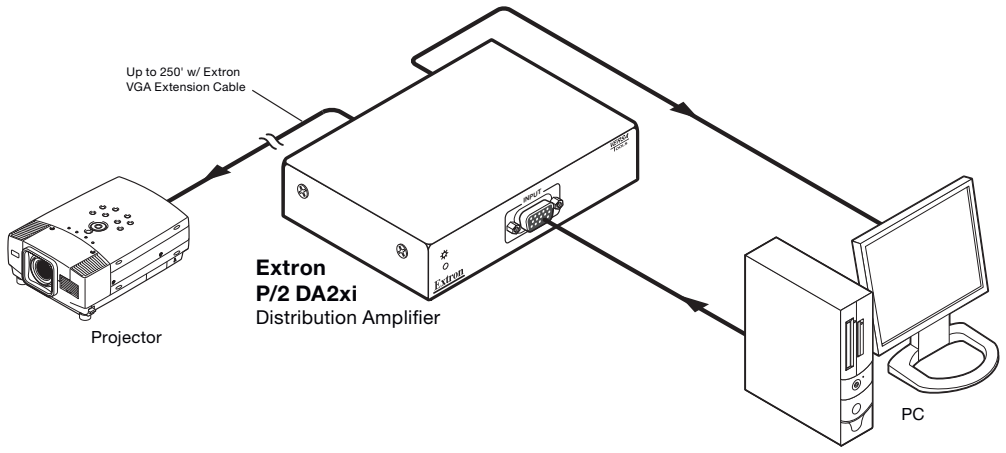
User Guide
Tweeker
Desktop power supply
VGA cable clip
VGA M-M MD/6 - P/2 DA2xi only 26-238-01
VGA-A M-M MD/6 - P/2 DA2xi MT only 26-490-02
5-pin captive screw mating plug - P/2 DA2xi MT only

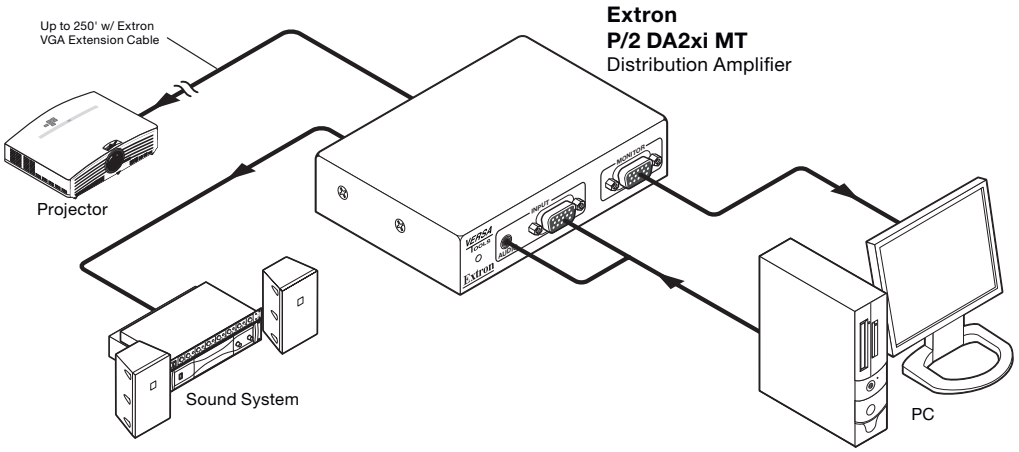
Optional Accessories

Versa-Tools rack shelf kit 60-190-20
Universal rack shelf kit 60-190-01
Under-desk mounting kit 70-077-01
Projector mounting kit 70-077-04
T-VGA adapter 26-106-01
VGA-A M-M MD/3 26-490-01
VGA-A M-M MD/12 26-490-03

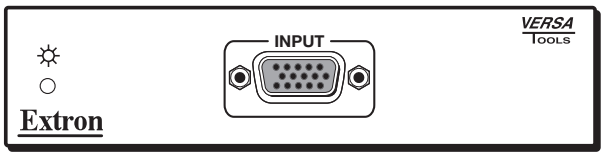
Specifications are subject to change without notice.

APPLICATION DIAGRAMS

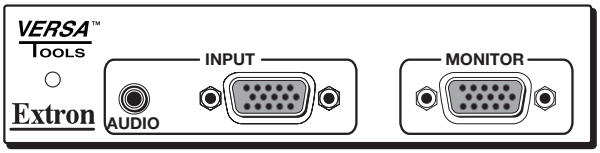




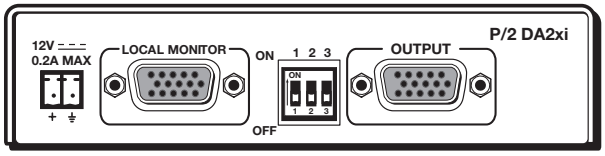
PANEL DRAWINGS



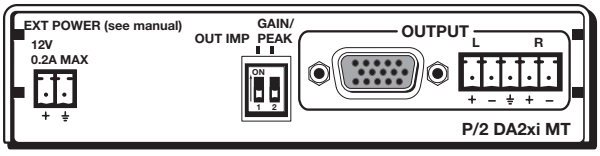
P/2 DA2xi - Front



P/2 DA2xi MT - Front



P/2 DA2xi - Back



P/2 DA2 xi MT - Back

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