

SW2 VGA DA2 AF R

1U, TWO INPUT, DUAL OUTPUT VGA-QXGA AND
STEREO AUDIO SWITCHER WITH FRONT AND
REAR PANEL INPUTS

- Inputs: Two female 15-pin HD connectors for computer-video; two 3.5 mm stereo mini jacks for audio
- Outputs: Two female 15-pin HD connectors for computer-video; captive screw connector for audio
- 300 MHz (-3 dB) RGB video bandwidth
- Compatible with VGA-QXGA signals
- Active PC audio to balanced audio interfacing
- Autoswitching capabilities
- Contact closure remote control
- Front panel opening for two AAP - Architectural Adapter Plates
- Front panel AC outlet - USA edison female
- Dual, buffered outputs
- 1U, full rack width metal enclosure



The Extron SW2 VGA DA2 AF R is a combination of a switcher and distribution amplifier with stereo audio. It provides two inputs and dual, independently buffered outputs. This mountable combination switcher/distribution amplifier provides 300 MHz (-3 dB) RGB video bandwidth and is compatible with VGA-QXGA signals. The SW2 VGA DA2 AF R is ideal for use in small presentation environments such as auditoriums and lecture halls.



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DESCRIPTION

The SW2 VGA DA2 AF R is a two-input, two output active switcher with stereo audio. It has both front and rear panel inputs as well as many other features, such as adaptable connectivity and mounting options and an internal international power supply with an unswitched, front panel A/C outlet, which make it an ideal one-box choice for professional presentation environments.

The SW2 VGA DA2 AF R can be both rack-mounted and furniture-mounted. The 1U metal enclosure ships with detachable ears for rack mounting. In addition, AAP - Architectural Adapter Plate openings on the front of the switcher provide optional connections for audio, video, phone, and data signals.

FEATURES

- **Inputs:** Two female 15-pin HD connectors for computer-video; two 3.5 mm stereo mini jacks for audio
- **Outputs:** Two female 15-pin HD connectors for computer-video; captive screw connector for audio
- **300 MHz (-3 dB) RGB video bandwidth**
- **Compatible with VGA-QXGA signals**
- **Active PC audio to balanced audio interfacing**
- **Autoswitching capabilities**
- **Contact closure remote control**
- **Front panel opening for two AAP - Architectural Adapter Plates**
- **Dual, buffered outputs**

SPECIFICATIONS

VIDEO	
Gain	Unity
Bandwidth	300 MHz (-3 dB)
VIDEO INPUT	
Number/signal type	2 VGA-QXGA RGBHV, RGBS, RGsB*, RsGsBs*
Connectors	2 VGA female 15-pin HD
Nominal level.....	0.7 Vp-p for RGB
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency.....	15 kHz to 145 kHz
Vertical frequency	30 Hz to 170 Hz
VIDEO OUTPUT	
Number/signal type	2 buffered VGA-QXGA RGBHV, RGBS, RGsB*, RsGsBs*
Connectors	2 VGA 15-pin HD female
Nominal level.....	0.7 Vp-p for RGB
Minimum/maximum levels	0.4 V to 1.8 Vp-p (follows input)
Impedance	75 ohms
NOTE: *RGsB and RsGsBs inputs and outputs will work in manual mode only. Autoswitching requires TTL level sync on pin 13 of the 15-pin HD connector.	
SYNC	
Input type	RGBHV, RGBS, RGsB*, RsGsBs*
Output type.....	RGBHV, RGBS, RGsB*, RsGsBs*
Input level	1.7 V to 5.0 Vp-p
Output level	TTL: 5.0 Vp-p, unterminated

SPECIFICATIONS - Cont.

Input impedance	510 ohms	
Output impedance	50 ohms	
Max. input voltage	5.0 Vp-p	
Max. rise/fall time	40 ns	
Polarity	Positive or negative (follows input)	
AUDIO		
Gain	Unbalanced output: 0 dB; balanced output: +6 dB	
Frequency response	20 Hz to 20 kHz, ±0.05 dB	
THD + Noise	0.03% @ 1 kHz at nominal level	
S/N	>90 dB at maximum output (unweighted)	
Crosstalk	<-65 dB @ 20 kHz, <-80 dB @ 1 kHz and below 60 Hz	
Stereo channel separation	>80 dB @ 1 kHz	
CMRR	>75 dB @ 20 Hz to 20 kHz	
AUDIO INPUT		
Number/signal type	2 stereo, unbalanced	
Connectors	(2) 3.5 mm female stereo jacks	
Impedance	>10k ohms, balanced/unbalanced, AC coupled	
Nominal level.....	-10 dBV (316 mVrms)	
Maximum level	+8 dBV, (balanced or unbalanced) at 1% THD+N	
NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV 2 dBu		
AUDIO OUTPUT		
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 balanced, -10 dBV (316 mVrms) unbalanced	
Maximum level (Hi-Z)	>+16 dBu, balanced; >+8 dBV, unbalanced at 1% THD+N	
Maximum level (600 ohm)	>+10 dBm, balanced; >+4 dBV, unbalanced at 1% THD+N	
CONTROL/REMOTE — SWITCHER		
Contact closure.....	Momentary, on a 3.5 mm captive screw connector	
Contact closure pin configurations.....	1 = Input #1, 2 = Input #2	
GENERAL		
Power	100 VAC to 240 VAC, 50/60 Hz, 12 watts, internal, autoswitchable	
Rack mount	Yes, with included brackets (#70-485-01), and furniture mountable with optional brackets	
Enclosure type	Metal	
Enclosure dimensions.....	1.75" H x 17.4" W x 3.0" D (1U high, full rack wide) 4.4 cm H x 44.2 cm W x 7.6 cm D (Depth excludes connectors.)	
Product weight	2.6 lbs (1.2 kg)	
Shipping weight	7 lbs (4 kg)	
Listings	UL, CUL	
Compliance.....	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
SW2 VGA DA2 AF R	1U with Front & Rear Inputs.....	60-368-11

Specifications are subject to change without notice.



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