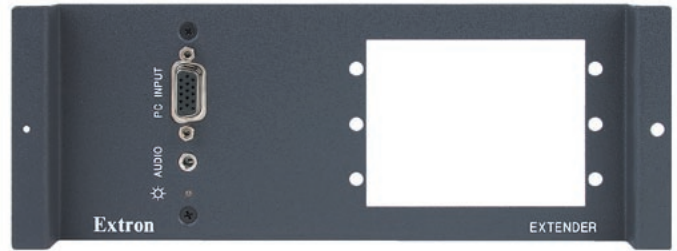


Extender AKM UK AAP

VGA-QXGA Line Driver with Audio for Ackermann UK Floor Box



FEATURES

- Inputs: Female 15-pin HD and 3.5 mm mini stereo jack
- Outputs: Female BNC and captive screw connector
- 300 MHz (-3 dB) RGB video bandwidth
- Compatible with VGA-QXGA graphic cards, monitors, and projectors, as well as Macs with 15-pin HD output
- Three-position peaking/gain control helps maintain video signal integrity over long cable runs
- Active PC audio buffering converts unbalanced PC audio to balanced line level audio
- Restores low level sync to TTL level
- ID bits terminated on pins 4 and 11
- Dual color LED power indicator
- Opening for up to three single space AAP - Architectural Adapter Plates
- External international power supply included, part # 70-055-01

DESCRIPTION

The Extron **Extender AKM UK AAP** is a one input, one buffered output VGA-QXGA line driver with audio that includes three single space AAP - Architectural Adapter Plate openings. It is designed to install in an Ackermann UK floor box and is available in gray.

SYNC

Input type	RGBHV, RGBS, RGSB, RsGsBs, bi-level and tri-level component video sync
Output type	RGBHV, RGBS, RGSB, RsGsBs, bi-level and tri-level component video sync
Input level	2.0 V to 5.0 Vp-p
Output level	TTL: 5 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	75 ohms
Max. propagation delay	18.8 ns
Max. Rise / Fall time	4 ns
Polarity	Positive or negative (follows input)

AUDIO

Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, ±0.5 dB
THD + Noise	0.025% @ 1 kHz, 0.020% @ 20 kHz at nominal level
S/N	>90 dB at rated maximum output
Stereo channel separation	>75 dB @ 20 Hz to 20 kHz

AUDIO INPUT

Number / Signal type	1 stereo, unbalanced
Connectors	(1) 3.5 mm mini stereo jack
Impedance	>10k ohms unbalanced, DC coupled
Nominal level	-10 dBV (316 mVrms)
Maximum level	+6 dBV, (unbalanced) at 1% THD+N

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
Nominal level	-2 dBu, balanced; -10 dBV unbalanced
Maximum level (Hi-Z)	+14 dBu, balanced, at 1% THD+N
Maximum level (600 ohm)	+6 dBm, balanced, at 1% THD+N

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

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A (max.), regulated
Power input requirements	12 VDC, 0.2 A
Rack mount	No, but Ackermann UK floor box mountable
Enclosure type	Metal
Enclosure dimensions	
Faceplate	3.0" H x 8.1" W x 0.6" D (7.6 cm H x 20.6 cm W x 1.5 cm D)
Buffer	1.1" H x 2.75" W x 1.2" D (2.8 cm H x 7.0 cm W x 3.0 cm D) (*Height excludes BNC connectors and cables.)
Product / Shipping weight	0.6 lbs (0.3 kg) / 3 lbs (2 kg)

SPECIFICATIONS

VIDEO

Gain	0 dB, 0.6 dB, 1.2 dB, selectable (when input is 0.7 Vp-p, output is 0.7 V, 0.75 V, 0.8 Vp-p)
Bandwidth	300 MHz (-3 dB)

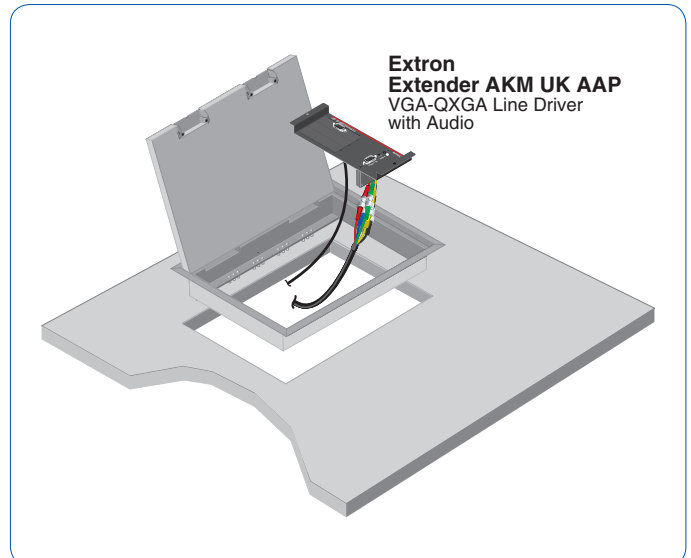
NOTE: ID bits are terminated (pins 4 and 11).

VIDEO INPUT

Number / Signal type	1 VGA-QXGA RGBHV, RGBS, RGSB, RsGsBs, component video, HDTV component video
Connectors	(1) 15-pin HD female
Nominal level	0.7 Vp-p for RGB
Minimum / Maximum levels	Analogue: 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
Input coupling	DC

VIDEO OUTPUT

Number / Signal type	1 VGA-QXGA RGBHV, RGBS, RGSB, RsGsBs, component video, HDTV component video
Connectors	5 BNC female
Nominal level	0.7 Vp-p for RGB
Minimum / Maximum levels	Analogue: 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance	75 ohms
DC offset	±5 mV with input at 0 offset
Return loss	<-35 dB @ 5 MHz



MODEL

Extender AKM UK AAP

VERSION DESCRIPTION

Ackermann UK - AAP

PART

60-627-01

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