Technology and Art of Sound
Manufactured by elettromedia Italy

audison

www.audison.eu

bit one

Signal Interface Processor

ideato,
progettato,
costruito
in Italia

Power Supply

Voltage:	11 ÷ 15 VDC
Idling current:	0.45 A
Switched off:	< 0.001 mA
Remote IN voltage:	7 ÷ 15 VDC (1.3 mA)
Remote OUT voltage:	12 VDC (10 mA)
Distorsion - THD @ 1 kHz, 1 V RMS Output:	0.002%
Bandwidth:	4.5 ÷ 21 kHz
S/N Ratio @ A weighted:	102 dBA
Channel Separation (@1 kHz):	77 dB
Input sensitivity (Low Level):	0.3 ÷ 5 V RMS
Input sensitivity (High Level):	1.2 ÷ 20 V RMS
Max Output Levels:	4 V RMS
Input impedance (Low Level):	20 kΩ
Input impedance (High Level):	5 kΩ
Inputs:	Low Level (Pre In): Ch1÷Ch6, AUX1 L/R, AUX2 L/R High Level (Spk In): Ch1÷ Ch8, Phone In Coaxial and Optical (S/PDIF Max 48 kHz/24 bit, PCM)
Outputs:	Ch1÷Ch8 Ch1÷ Ch8 AD Link

Crossover

Type:	12/24/36/48 dB Linkwitz 6/12/18/24/30/36/42/48 dB Butterworth
Mode:	Full/Hi Pass/Low Pass/Band Pass

Equalizer

Type:	31 Band, ISO 1/3 Oct, 20 Hz ÷ 20 kHz
Gain:	± 12 dB
Delay:	0 ÷ 22 ms (748 cm/294.5 inch)

Size

BxLxH (mm/inches):	225 x 150 x 32,3 8.85" x 5.90"x 1.27"
Weight (kg/lb):	1,345 / 2.965

Inputs	8 independent high-level channels or 6 independent analog low-level channels 2 analog low-level stereo auxiliary inputs 1 optical digital input 1 electric coaxial digital input 1 high-level momentary audio interrupt input (with Mute IN) for use with mobile phone or navigation systems
Outputs	8 independent low-level analog channels and 1 AD Link output (8 independent digital audio channels through a single CAT 5.S LAN cable for use with AD Link provided amplifiers)
Connections	1 USB /B (2.0) connector for PC connection 2 AC Link control bus connectors for DRC and AC Link amplifiers
System	Full range stereo or multichannel signal derived through automatic summing of up to eight high level inputs
Configuration	Guided procedure to assign input channels to selected output channels based on inputs, speaker and amplifier configuration If necessary, Bit One creates a rear, subwoofer and center channel output (mixed L+R) from a single stereo input
In/Out Volume	Input sensitivity automatically adjusted for the main inputs (with supplied Test CD and DVD) Manual input sensitivity adjustment for auxiliary inputs Independent level control for each output channel for system fine tuning (-40 ÷ 0 dB)
Equalizer	Dynamic equalizer: system self-adjusts between low and high listening levels Automatic de-equalization of signal fed into the high-level inputs (with supplied Test CD and DVD) Four separate 31-band graphic equalizers (1/3 Oct.; ±12dB) for each auxiliary inputs Eight independent 31-band graphic equalizers (1/3 Oct.; ±12dB) for each of the eight output channels
Crossover Filter	Filter typology: Selectable; Hi-pass, Lo-pass, Bandpass, Full Range Cut-off frequency: 70 steps available from 10Hz to 20kHz Cut-off slope: Selectable; 6 to 48 dB/Oct. Alignments: Selectable; Linkwitz or Butterworth Mute: Selectable for each output (On/Off) Phase: Selectable for each output (0°/180°)
Time Alignment	Guided procedure for the inputting of speaker distance with an automated calculation of proper delay times for each channel for accurate time alignment set-up. System also provides for manual fine tuning of delay.
DRC	Master Volume control, Subwoofer Volume control, Balance control, Fader control, Input selection, Memory selection, Dynamic Equalizer On/Off
Memory	4 presets separately managed and recalled from the DRC Remote Control
Standard Mode	Simplified management of crossover and equalization functions for expedient set-up and use
Expert Mode	Full management of crossover and equalization functions for full reference grade system tuning

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