

bit

bit Nove

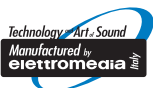
Signal Interface Processor



POWER SUPPLY	
Voltage	10.8 ÷ 15 VDC
Operating power supply voltage	7.5 ÷ 14.4 VDC
Idling current	0.53 A
Switched off without DRC	1 mA
Switched off with DRC	4.5 mA
Remote IN voltage	4 ÷ 15 VDC (1mA)
Remote OUT voltage	10 ÷ 15 VDC (130 mA)
ART (Automatic Remote Turn ON)	2 ÷ 7 VDC
SIGNAL STAGE	
Distortion - THD @ 1 kHz, 1 VRMS Output	0.005%
Bandwidth @ -3 dB	10 Hz ÷ 22 kHz
S/N ratio @ A weighted	
Master Input	102 dBA
AUX Input	101.5 dBA
OPTICAL IN1 / IN2 Inputs	110 dBA
Channel Separation @ 1 kHz	85 dBA
Input sensitivity Pre Master	1.2 ÷ 8 VRMS
Input sensitivity Speaker Master	3 ÷ 20 VRMS
Input sensitivity AUX Master	0.3 ÷ 5 VRMS
Input impedance Pre In / Speaker In / AUX	15 kΩ / 12 Ω / 15 kΩ
Max Output Level (RMS) @ 0.1% THD	4 V
INPUT STAGE	
Low level (Pre)	Ch1 ÷ Ch6; AUX L/R
High Level (Speaker In)	Ch1 ÷ Ch6
Digital	2 x Optical S/PDIF; Max 192 kHz / 24 bit
OUTPUT STAGE	
Low level (Pre)	Ch1 ÷ Ch9

CONNECTION	
From / To Personal Computer	1 x Micro USB
To Audison DRC AB / DRC MP	1 x AC Link
Optical 2 sel	Optical In 2 wire control +12 V enable
Mem D sel	Memory D wire control GND enable
CROSSOVER	
Filter type	Full / Hi pass / Low Pass / Band Pass
Filter mode and slope	Linkwitz @ 12/24 dB - Butterworth @ 6/12/18/24 dB
Crossover Frequency	68 steps @ 20 ÷ 20k Hz
Phase control	0° / 180°
EQUALIZER (20 ÷ 20K Hz)	
Analog Input Equalizer	Automatic De-Equalization
Output Equalizer	N.9 Parametrics Equalizers: ±12 dB; 10 pole; 20 ÷ 20k Hz
TIME ALIGNMENT	
Distance	0 ÷ 510 cm / 0 ÷ 200.8 inches
Delay	0 ÷ 15 ms
Step	0,08 ms; 2,8 cm / 1.1 inch
Fine SET	0,02 ms; 0,7 cm / 0.27 inch
GENERAL REQUIREMENTS	
PC connections	USB 1.1 / 2.0 / 3.0 Compatible
Software/PC requirements	Microsoft Windows (32/64 bit): Vista, Windows 7, Windows 8, Windows 10
Video Resolution with screen resize	min. 1024 x 600
Ambient operating temperature range	0 °C to 55 °C (32 °F to 131 °F)
SIZE	
W (Width) x H (Height) x D (Depth)	130 x 34.5 x 199 / 5.11" x 1.35" x 7.83"
Weight kg/lb	0,7 / 1.5

All specifications subject to change without notice_1.7.A



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Signal Interface
Processor

DSP AND AUDIO CONVERTERS	32 bit Cirrus Logic (clock speed 147 MHz) processor and A/D D/A converters processing the audio signal in PCM at 48 kHz with 24 bit resolution.
AUDIO INPUTS	6 independent low-level/high-level channels with automatic summing capability and built-in USS (Universal Speakers Simulator) technology. 1 analog low-level stereo auxiliary RCA input. 2 optical digital inputs.
AUDIO OUTPUTS	9 independent RCA analog outputs featuring adjustable level.
CONTROL CONNECTIONS	1 USB /B (2.0) for PC connection. Wire control: when receiving an electric signal from an external source, the user can select between the two digital inputs available and enable the D preset previously saved via PC software. 1 connector for the DRC AB (supplied). ASC-C (Audio System Control): communication port for OEM integration with future automotive protocols.
INPUTS/OUTPUTS CONFIGURATIONS	Wizard enabling an arbitrary mapping of inputs and outputs.
TURN-ON CONTROLS	ART™ (Automatic Remote Turn on/off), automated remote turn on system through Hi-level inputs. The ART™ function is selectable from PC software. Through the Remote IN. Through the DRC AB (supplied).
IN/OUT LEVELS	Manual input sensitivity adjustment for the Master Hi-Level inputs (with supplied Test CD). Independent output level control for the system fine tuning (-40 ÷ 0 dB).
DE-EQUALIZATION	Automatic de-equalization of Master inputs signal (with supplied Test CD).
EQUALIZER	Each of the nine output channels has a 10-pole (± 12dB) parametric equalizer for optimal audio signal control.
CROSSOVER FILTER	Filter type: Hi-pass, Lo-pass, Full Range, Bandpass with asymmetrical cut-off slopes. Cut-off frequency: 68 steps available from 20 Hz to 20 kHz. Cut-off slopes: selectable, 6 to 24 dB/Oct. Selectable alignments: Linkwitz or Butterworth. Phase selectable for each output (0°/180°).
TIME ALIGNMENT	Possibility to time delay up to 15 milliseconds at 0.02 ms steps, corresponding to 510 cm of virtual speaker "movement". The distance setup mode eases the user in calibrating the time delays which can finally be adjusted with the "fine-tuning".
DRC AB REMOTE CONTROL (supplied)	Master Volume, Subwoofer Volume, Balance, Fader; inputs selection; selection of the 4 presets available.
MEMORIES/PRESETS	4 presets separately managed and recalled via DRC AB.
PC SOFTWARE	Microsoft Windows based software (XP, Vista, 7, 8, 10), manageable in "Standard" or "Expert" operating modes with 1024 x 600 px minimum screen resolution.

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