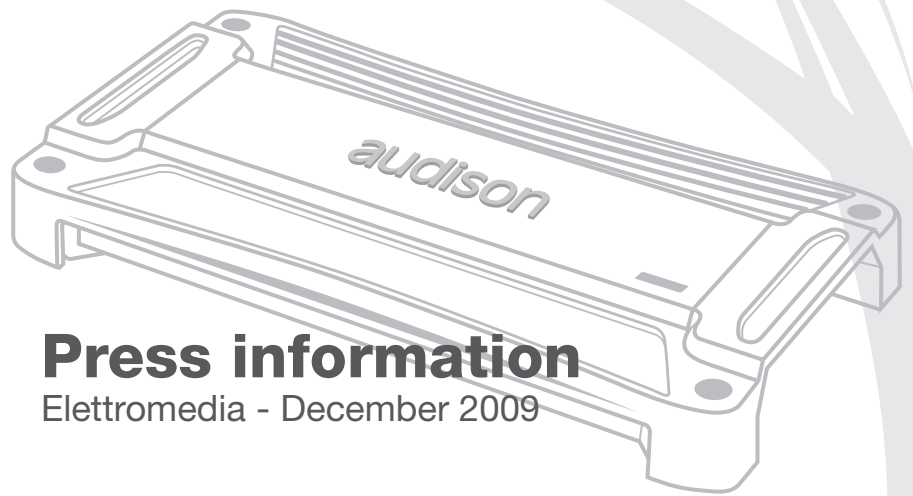




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**SR**  
Power for fun



**Press information**  
Elettromedia - December 2009

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[www.audison.eu](http://www.audison.eu)





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Power for fun

## Press information

Elettromedia - December 2009

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For more information visit [www.audison.eu](http://www.audison.eu)



## SR, innovation that renews itself in the philosophy of Audison

The new SR amplifiers were created for both the enthusiasts who want to enter into the world of Car Audio and for expert users who are looking for a non-invasive, yet high-performance system. Both will enjoy amplifiers of excellence, that will satisfy their desire for power and musical quality following the renowned philosophy of Audison.

The renewed SR line shows an even stronger innovative character: style and technology oriented towards the highest standards of Audison acknowledged with the multi-awarded Thesis line.

In terms of state-of-the-art electronics, mono-block construction technique and versatility of use, the SR project is the best choice balancing size, power, look and sound quality.

### Style & Performance

**Construction:** SR products can boast the quality and care for details proper of the project, being entirely engineered in Italy and manufactured in compliance with the Audison high quality standards.

**Design:** For the first time Audison introduces a new idea in its products: *total aluminium monoblock* composed of a case built from one single aluminium block. This allowed a clean, elegant design, still giving to the product that aggressive touch which makes it fresh and dynamic: a perfect synthesis between a brightly young and a classic style.

**Sound, Power and Versatility:** The SR amplifiers do not betray the versatility historic to the Audison brand: they provide uncountable system design possibilities, driving any loudspeaker configuration with ease. More specifically, the two Mono amplifiers designed for Subwoofers in “D Class” can re-create the pre-amplified signal from the loudspeakers signal, then sending it to the other amplifiers featuring in the special “AB Class” circuitry called DYNAB, according to the timbre quality of Audison.

**Control Panel:** Following the tradition of Audison, the SR line features controls along the top panel to aid their adjustments even once the amplifier has been installed.

A semitransparent panel protects the different controls and the fuse from dust, ensuring long reliability.

In addition to its ergonomics, the detailed information displayed on the control panel makes it user-friendly, avoiding the user to continuously look up in the owner’s manual to understand the different features.



# SR

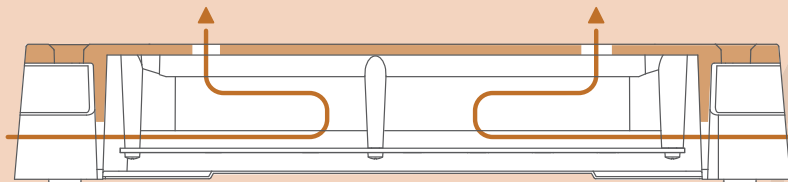
## Advanced technology

**DYNAB Circuitry.** For the final stage of the amplifier SR2 and SR4 the proprietary DYNAB (Dynamic AB) Class circuitry was employed, automatically managing bias current without the need for complex adjustments. DYNAB merges the simplicity of the traditional B Class amplifier with the qualitative benefits of an AB Class amplifier. Essential in the SR project is the use of the latest generation high speed TO247 transistors, for smooth, full sound performance.



**Total Aluminium Monoblock.** Internal amplifier components can reach temperatures of 90°C (194°F) or more. This is why Audison chose to create the heatsink and related parts from aluminium; a material which has no peer in terms of heat dissipation, robustness and light weight.

**Convection Cooling System.** The mechanical layout was designed to create convection cooling; aiding the intake of fresh air and the expulsion of hot air. In whatever conditions the amplifier is mounted in, this natural air circulation generates a "chimney" effect, creating an extremely efficient cooling system.



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# SR

## Advanced technology

**Unconventional connections.** The terminal blocks of the SR, featuring a rising clamp system preventing the cable from damage, are certified by the most recognized international safety authorities. The new guided wire insert system accepts cables up to 4 AWG for the power supply and up to 8 AWG for the loudspeakers with easy, intuitive, safe and secure connection.



**"User friendly" controls.** The controls for operating modes, input sensitivity and crossovers are entirely independent, they are also by-passable and allow the most possible varied configuration range to the advantage of its excellent versatility of use.



**LNS™ and PRE OUT with Speakers-IN signal inputs.**

Both the Pre and the Speakers-IN signal inputs adopt the LNS™ circuit to eliminate electrical disturbances found in the car environment. SR 1D and SR 1Dk can create a PRE OUT signal using the Speakers- IN input, to interface it with OEM head units only featuring amplified outputs, thus allowing you to expand your whole audio system with the highest possible sound quality.

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# SR<sub>2</sub>

**180W Power Amplifier**  
Stereo power amplifier with crossover



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## Power Supply

<b>Power supply voltage:</b>	11÷15 VDC
<b>Idling current:</b>	0.4 A
<b>Switched off:</b>	<0.01 mA
<b>Remote IN voltage:</b>	7÷15 VDC (1 mA)
<b>Remote OUT voltage:</b>	11÷15 VDC (15 mA)
<b>Internal fuse (AFS):</b>	15 A
<b>Consumption @ 14.4 VDC, 2 Ω, Max Musical Power:</b>	11 A

## Amplifier stage

<b>Distortion - THD (1 kHz @ 4 Ω):</b>	0.07 %
<b>Bandwidth (-3 dB):</b>	15 ÷ 50k Hz
<b>S/N ratio (A weighted, 1 V):</b>	100 dB
<b>Damping factor (1 kHz @ 4 Ω):</b>	200
<b>Input sensitivity (PRE IN):</b>	0.3 ÷ 5 VRMS
<b>Input sensitivity (Speaker In):</b>	1 ÷ 15 VRMS
<b>Input impedance (PRE IN):</b>	15 kΩ
<b>Input impedance (Speaker In):</b>	100 Ω
<b>Load impedance (Min):</b>	
2 Ch	2 Ω
1 Ch	4 Ω

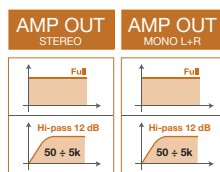
<b>Nominal power (RMS) @12 VDC; 1% THD :</b>	
2 Ch @ 4 Ω	45 W x 2
<b>Output power (RMS) @14.4 VDC; 1% THD:</b>	
2 Ch @ 4 Ω	60 W x 2
2 Ch @ 2 Ω	90 W x 2
1 Ch @ 4 Ω	180 W x 1

## CEA 2006-A RATINGS

**Output Power @ 4 Ω, ≤ 1% THD+N, 14.4 V:** 60 W x 2 Ch  
**S/N ratio (ref. 1W output):** 60 W Channels: 83 dBA



- 1 Fully by-passable crossover FILTERS
- 2 Removable panel to hide and protect controls
- 3 Monoblock aluminium heatsink construction
- 4 Fanless convection cooling system
- 5 Strip fuse located on the control panel for easy replacement
- 6 Connections:
  - Power supply terminals accepts 7 mm diameter (4 AWG) cable
  - Speaker terminals accepts 4.5 mm diameter (8 AWG) cables
  - Hi Level speaker and remote turn-on terminals equipped with removable connectors with screw fastening



## Inputs / Filters

<b>Inputs</b>	Pre / Speakers
<b>Stereo Filters Full / Hi-pass :</b>	50 ÷5k Hz @ 12 dB/Oct.
<b>Mono Filters Full / Hi-pass :</b>	50 ÷5k Hz @ 12 dB/Oct.

## Size

<b>WxHxD (mm)</b>	213 x 53.5 x 288
<b>WxHxD (inches)</b>	8"7/16 x 2"1/8 x 11"3/8
<b>Weight (kg/lb)</b>	2.4 / 5.29

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# SR 4

## 360W Power Amplifier

Four channel power amplifier with crossover



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### Power Supply

<b>Power supply voltage:</b>	11÷15 VDC
<b>Idling current:</b>	0.7 A
<b>Switched off:</b>	<0.01 mA
<b>Remote IN voltage:</b>	7÷15 VDC (1 mA)
<b>Remote OUT voltage:</b>	11÷15 VDC (15 mA)
<b>Internal fuse (AFS):</b>	30 A
<b>Consumption @ 14.4 VDC, 2 Ω, Max Musical Power:</b>	24 A

### Amplifier stage

<b>Distortion - THD (1 kHz @ 4 Ω):</b>	0.08 %
<b>Bandwidth (-3 dB):</b>	15 ÷ 50k Hz
<b>S/N ratio (A weighted, 1 V):</b>	104 dB
<b>Damping factor (1 kHz @ 4 Ω):</b>	110
<b>Input sensitivity (PRE IN):</b>	0.3 ÷ 5 VRMS
<b>Input sensitivity (Speaker In):</b>	1 ÷ 15 VRMS
<b>Input impedance (PRE IN):</b>	15 kΩ
<b>Input impedance (Speaker In):</b>	100 Ω
<b>Load impedance (Min):</b>	
4 Ch	2 Ω
2 Ch	4 Ω

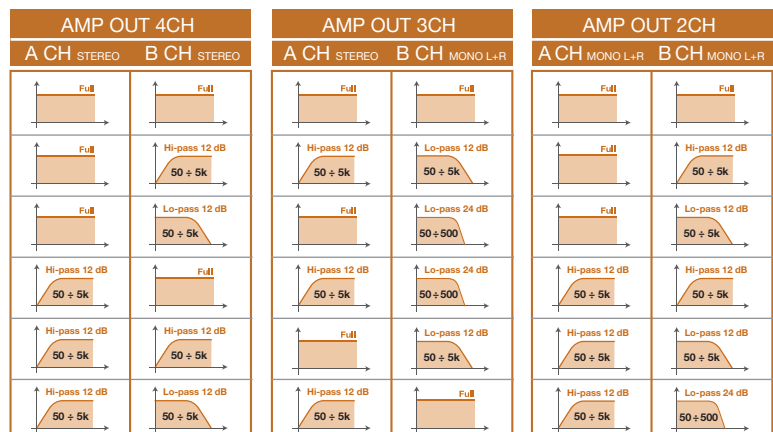
<b>Nominal power (RMS) @12 VDC; 1% THD :</b>	
4 Ch @ 4 Ω	45 W x 4
<b>Output power (RMS) @14.4 VDC; 1% THD:</b>	
4 Ch @ 4 Ω	65 W x 4
4 Ch @ 2 Ω	90 W x 4
3 Ch @ 4 Ω	60 W x 2 + 190 W x 1
2 Ch @ 4 Ω	175 W x 2

<b>CEA 2006-A RATINGS</b>	
<b>Output Power @ 4 Ω, ≤ 1% THD+N, 14.4 V:</b>	
60 W x 4 Ch	
<b>S/N ratio (ref.1Woutput):</b>	
60 W Channels:	83 dBA

### Inputs/ Filters

<b>Inputs</b>	Pre IN / Speaker IN
<b>Output</b>	Pre
<b>A Ch Filter Full / Hi-pass:</b>	50 ÷ 5k Hz @ 12 dB/oct
<b>B Ch Filter Full / Hi / Lo-pass:</b>	50 ÷ 5k Hz @ 12 / 24 (L+R) dB/oct

- Fully by-passable crossover FILTERS
- Removable panel to hide and protect controls
- Monoblock aluminium heatsink construction
- Fanless convection cooling system
- Strip fuse located on the control panel for easy replacement
- Connections:
  - Power supply terminals accepts 7 mm diameter (4 AWG) cable
  - Speaker terminals accepts 4.5 mm diameter (8 AWG) cables
  - Hi Level speaker and remote turn-on terminals equipped with removable connectors with screw fastening
- 24dB low-pass filter when used in 3-channel configuration
- Dual range high-pass filter (50Hz÷500Hz / 500Hz÷5kHz) for multi-channel configurations



### Size

<b>WxHxD (mm)</b>	213 x 53.5 x 408
<b>WxHxD (inches)</b>	8 <sup>7</sup> / <sub>16</sub> x 2 <sup>1</sup> / <sub>8</sub> x 16 <sup>1</sup> / <sub>16</sub>
<b>Weight (kg/lb)</b>	3.3 / 7.28

INPUT	A CH	B CH	PRE OUT STEREO
YES	NO		
YES	YES	—	

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# SR1D

## 640W Power Amplifier

Mono power amplifier with crossover



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### Power Supply

<b>Power supply voltage:</b>	11÷15 VDC
<b>Idling current:</b>	1 A
<b>Switched off:</b>	<0.01 mA
<b>Remote IN voltage:</b>	7÷15 VDC (1 mA)
<b>Remote OUT voltage:</b>	11÷15 VDC (15 mA)
<b>Internal fuse (AFS):</b>	40 A
<b>Consumption @ 14.4 VDC, 2 Ω, Max Musical Power:</b>	33 A

### Amplifier stage

<b>Distortion - THD (1 kHz @ 4 Ω):</b>	0.3 %
<b>Bandwidth (-3 dB):</b>	18 ÷ 550 Hz
<b>S/N ratio (A weighted, 1 V):</b>	90 dB
<b>Damping factor (1 kHz @ 4 Ω):</b>	150
<b>Input sensitivity (PRE IN):</b>	0.3 ÷ 5 VRMS
<b>Input sensitivity (Speaker In):</b>	1 ÷ 15 VRMS
<b>Input impedance (PRE IN):</b>	15 kΩ
<b>Input impedance (Speaker In):</b>	100 Ω
<b>Load impedance (Min):</b>	1 Ω
<b>1 Ch</b>	1 Ω

<b>Nominal power (RMS) @12 VDC; 1% THD :</b>	200 W x 1
<b>4 Ch @ 4 Ω</b>	
<b>Output power (RMS) @14.4 VDC; 1% THD:</b>	280 W x 1
<b>1 Ch @ 4 Ω</b>	
<b>1 Ch @ 2 Ω</b>	460 W x 1
<b>1 Ch @ 1 Ω</b>	640 W x 1

### CEA 2006-A RATINGS

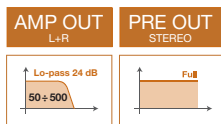
**Output Power @ 4 Ω, ≤ 1% THD+N, 14.4 V:** 250 W x 1 Ch  
**S/N ratio (ref.1Woutput):** 250 W Channel: 74 dBA



### Inputs/ Filters

<b>Inputs</b>	Pre IN / Speaker IN
<b>Output</b>	Pre
<b>Filter LO-pass:</b>	50 ÷ 500 Hz @ 24 dB/oct
<b>Subsonic</b>	25 Hz @ 24 dB/oct
<b>Boost</b>	+ 6 dB; + 3 dB; OFF / @45 Hz
<b>Phase Control</b>	0° - 180°

- PRE-OUT pass-through from high level SPEAKERS-IN input
- Removable panel to hide and protect controls
- Monoblock aluminium heatsink construction
- Fanless convection cooling system
- Strip fuse located on the control panel for easy replacement
- Connections:
  - Power supply terminals accepts 7 mm diameter (4 AWG) cable
  - Speaker terminals accepts 4.5 mm diameter (8 AWG) cables
  - Hi Level speaker and remote turn-on terminals equipped with removable connectors with screw fastening
- "D" class topology, delivering 280W at 4 ohms and 640W power at 1 Ohm
- Phase control switch
- Selectable Subsonic Filter
- Bass Boost Filter
- Continuously adjustable LO-pass 24dB



### Size

<b>WxHxD (mm)</b>	213 x 53.5 x 288
<b>WxHxD (inches)</b>	8 <sup>7</sup> / <sub>16</sub> x 2 <sup>1</sup> / <sub>8</sub> x 11 <sup>3</sup> / <sub>8</sub>
<b>Weight (kg/lb)</b>	2.6 / 5.73

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# SR 1Dk

**1200W Power Amplifier**  
Mono power amplifier with crossover



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## Power Supply

<b>Power supply voltage:</b>	11 ÷ 15 VDC
<b>Idling current:</b>	2 A
<b>Switched off:</b>	< 0.01 mA
<b>Remote IN voltage:</b>	7 ÷ 15 VDC (1 mA)
<b>Remote OUT voltage:</b>	11 ÷ 15 VDC (15 mA)
<b>Internal fuse (AFS):</b>	80 A
<b>Consumption @ 14.4 VDC, 1 Ω, Max Musical Power:</b>	70 A

## Amplifier stage

<b>Distortion - THD (1 kHz @ 4 Ω):</b>	0.3 %
<b>Bandwidth (-3 dB):</b>	18 ÷ 550 Hz
<b>S/N ratio (A weighted, 1 V):</b>	85 dB
<b>Damping factor (1 kHz @ 4 Ω):</b>	150
<b>Input sensitivity (PRE IN):</b>	0.3 ÷ 5 VRMS
<b>Input sensitivity (Speaker In):</b>	1 ÷ 15 VRMS
<b>Input impedance (PRE IN):</b>	15 kΩ
<b>Input impedance (Speaker In):</b>	100 Ω
<b>Load impedance (Min):</b>	
1 Ch	1 Ω

<b>Nominal power (RMS) @12 VDC; 1% THD :</b>	
1 Ch @ 4 Ω	420 W x 1
<b>Output power (RMS) @14.4 VDC; 1% THD:</b>	
1 Ch @ 4 Ω	600 W x 1
1 Ch @ 2 Ω	940 W x 1
1 Ch @ 1 Ω	1200 W x 1

<b>CEA 2006-A RATINGS</b>		
<b>Output Power @ 4 Ω, ≤ 1% THD+N, 14.4 V:</b>	520 W x 1 Ch	
<b>S/N ratio (ref. 1 W output):</b>	520 W Channel: 56 dBA	

## Inputs / Filters

<b>Inputs</b>	Pre IN / Speaker IN
<b>Output</b>	Pre OUT / MASTER / SLAVE
<b>Filter LO-pass</b>	ON/OFF 50 ÷ 220 Hz @ 24 dB/oct
<b>Subsonic</b>	OFF ÷ 40 Hz @ 24 dB/oct
<b>Equalizer</b>	0 ÷ + 9 dB @ 40 ÷ 90 Hz
<b>Phase</b>	Continuous 0° ÷ 180°
<b>Sub remote volume control</b>	OFF ÷ + 6dB

- PRE-OUT pass-through from high level SPEAKERS-IN input
- Fully by-passable crossover FILTERS
- Removable panel to hide and protect controls
- Monoblock aluminium heatsink construction
- Fanless convection cooling system
- Built-in SUBWOOFER volume control module, requires only the connection of optional VCRA controller
- Strip fuse located on the control panel for easy replacement
- Connections:
  - Power supply terminals accepts 7 mm diameter (4 AWG) cable
  - Speaker terminals accepts 4.5 mm diameter (8 AWG) cables
  - Hi Level speaker and remote turn-on terminals equipped with removable connectors with screw fastening
- "D" class topology, delivering 600W at 4 ohms and 1200W power at 1 Ohm
- Ability to "bridge" with another SR 1Dk for increased power output up 2400 W @ 2Ω
- "Amp Chain Mode" function to connect amplifiers together using only the first as the "master" for amplifier controls
- Continuously adjustable phase control
- Adjustable Subsonic Filter
- Frequency and level adjustable parametric equalizer
- Adjustable LO-pass filter 24 dB

## Amp Chain mode (Two Linked Amplifier)

<b>Output Power (RMS) @ 14.4 VDC, 1% THD, 100 Hz</b>	
4 Ω	1800 W
2 Ω	2400 W

## Size

<b>WxHxD (mm)</b>	213 x 53.5 x 408
<b>WxHxD (inches)</b>	8 <sup>7</sup> / <sub>16</sub> x 2 <sup>1</sup> / <sub>8</sub> x 16 <sup>1</sup> / <sub>16</sub>
<b>Weight (kg/lb)</b>	3.6 / 7.94

AMP OUT L-R	AMP CHAIN MODE	PRE OUT STEREO
	OFF	
	MASTER	LINK TO II° AMP.
	SLAVE	LINK TO NEXT AMP.

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## About us

Elettromedia, an Italian company, is a leader within the world-wide car Hi-Fi market.

Born in 1987 in Potenza Picena by a group of friends who shared the same passion for in-car high fidelity, throughout the past years Elettromedia has been walking the path of excellence: its products are distributed in more than 50 countries; the company has received many awards and acknowledgements from the most authoritative leaders within the car audio industry; it also can boast reviews of more than 2000 pages published in 30 different languages (visit: [www.elettromedia.it/press\\_area.asp](http://www.elettromedia.it/press_area.asp)).

The Elettromedia brands are Audison, Hertz, Connection and AZaudiocomp. Through a co-branding strategy, the company offers all of the components required for a complete, top-level car audio system.



**elettromedia**



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## Awards



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## CD contents

SR Technical Data Sheets (PDF version, 150dpi resolution)

Logos: Audison, SR, Ideato progettato ingegnerizzato in Italia  
(Adobe Illustrator version, 300dpi resolution)

Photos (JPEG version, 300dpi resolution)



SR 2



SR4



SR 1D



SR 1Dk



Headquarter



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SR\_technologies





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