

# audison

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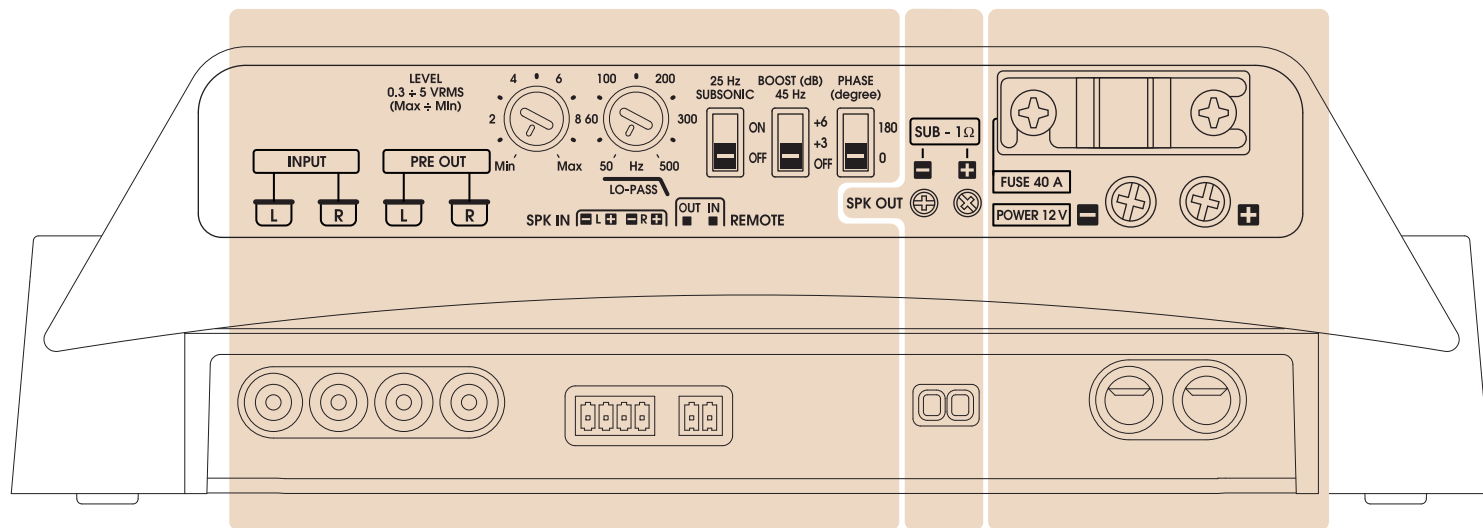
ADVANCED WEB MANUAL

**SR1D**

**640W Power Amplifier**  
Mono power amplifier with crossover

## SPECIFICATIONS

### Control panel and terminals



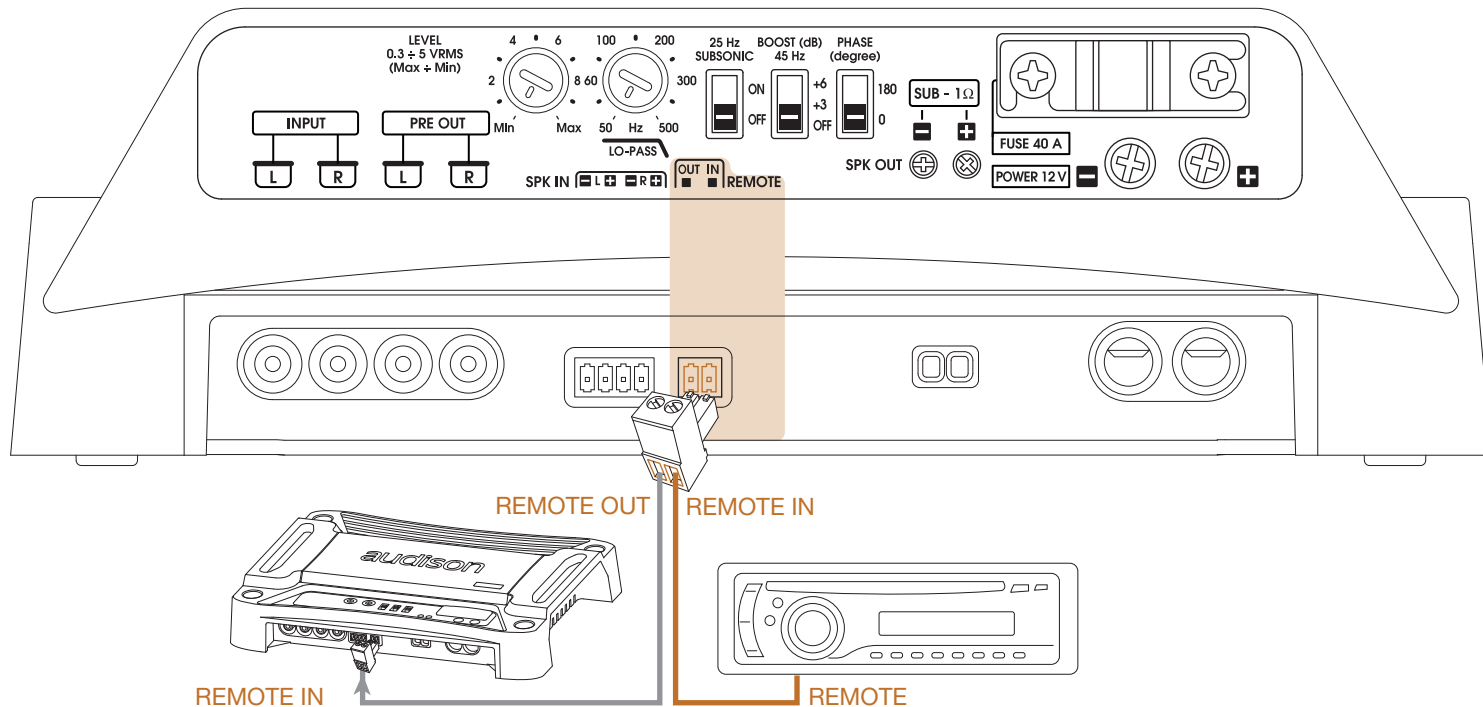
Inputs / Outputs / Functions

Power  
Outputs

Power Supply

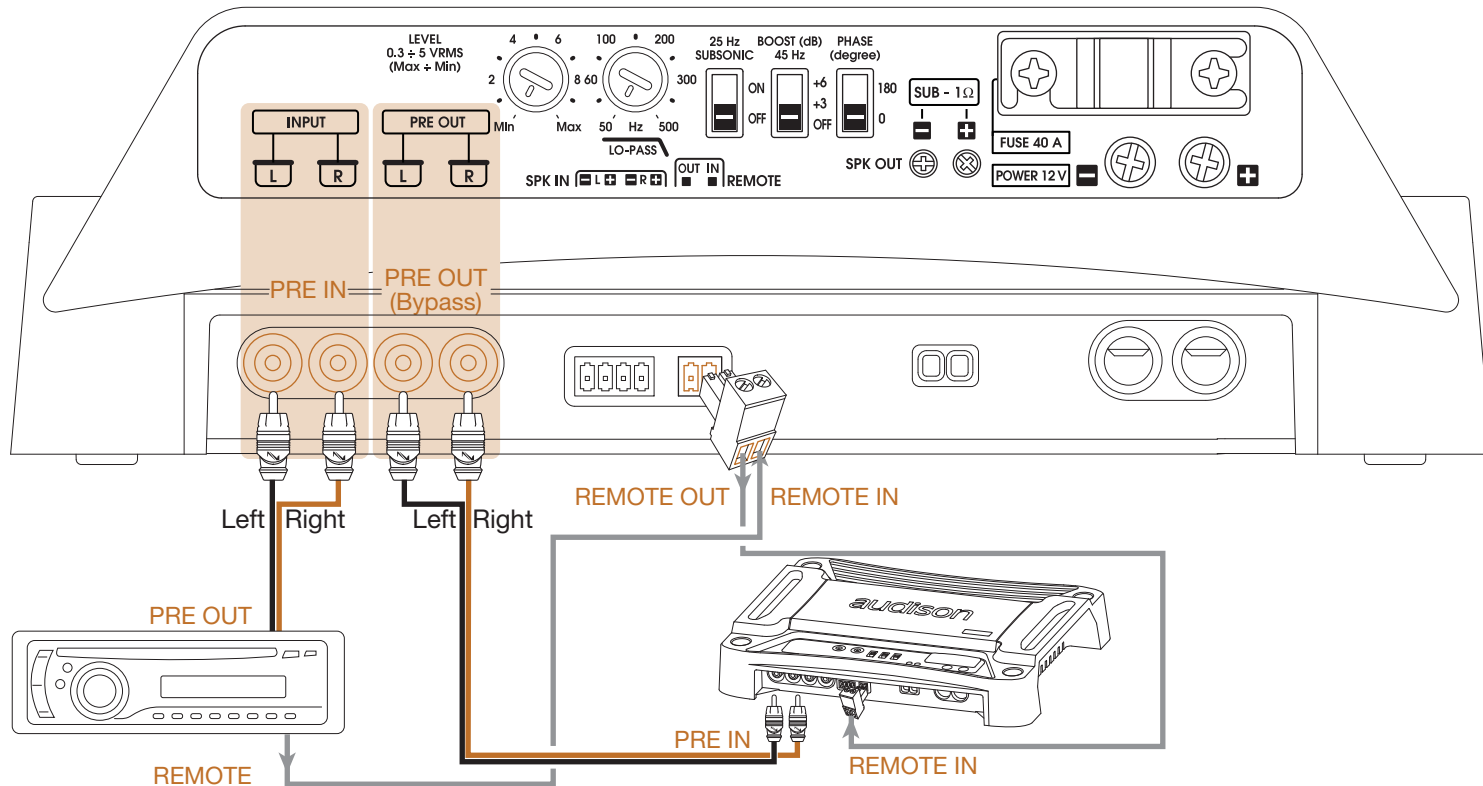
## FUNCTIONS

### Remote



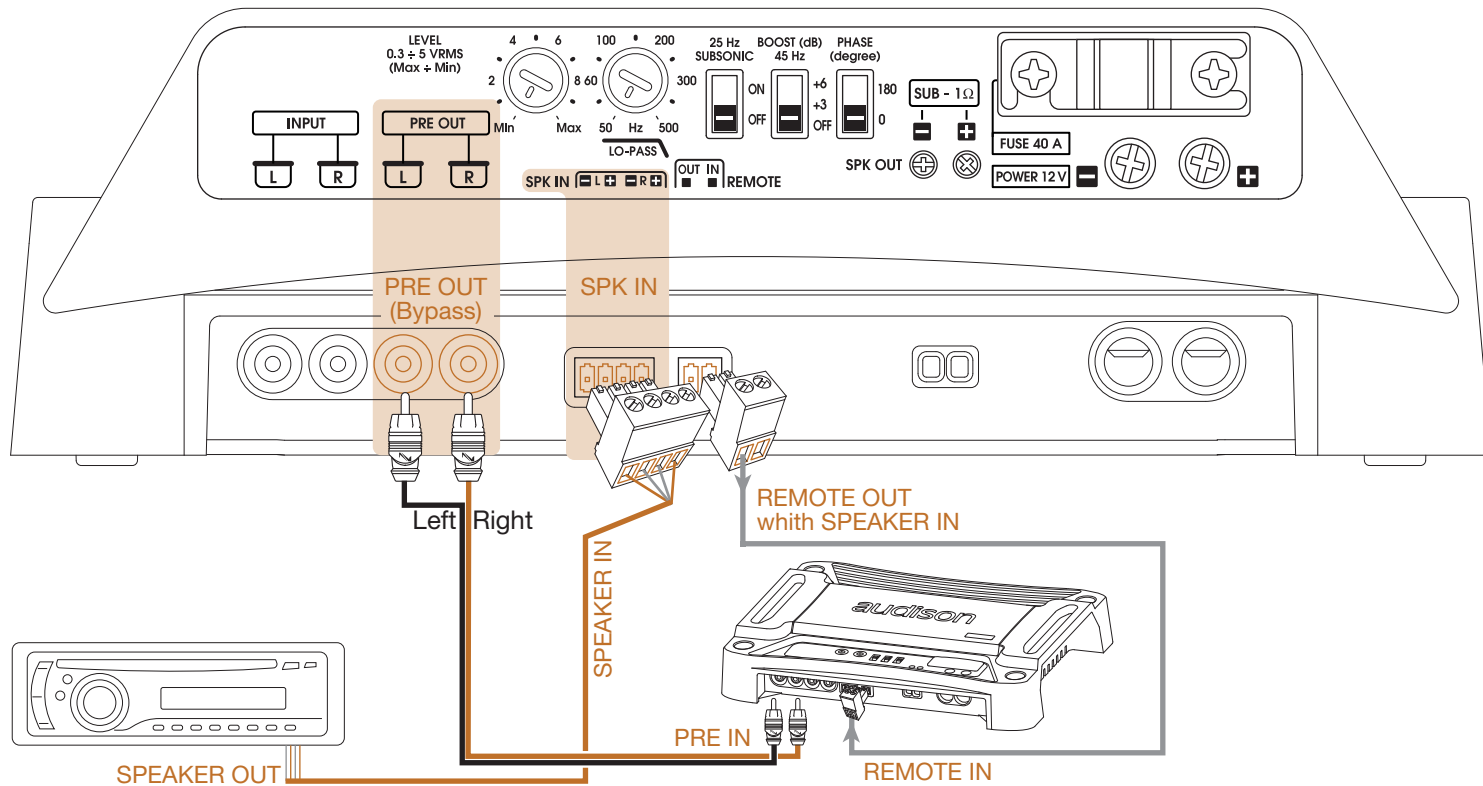
## INPUTS

### PRE IN and PRE OUT



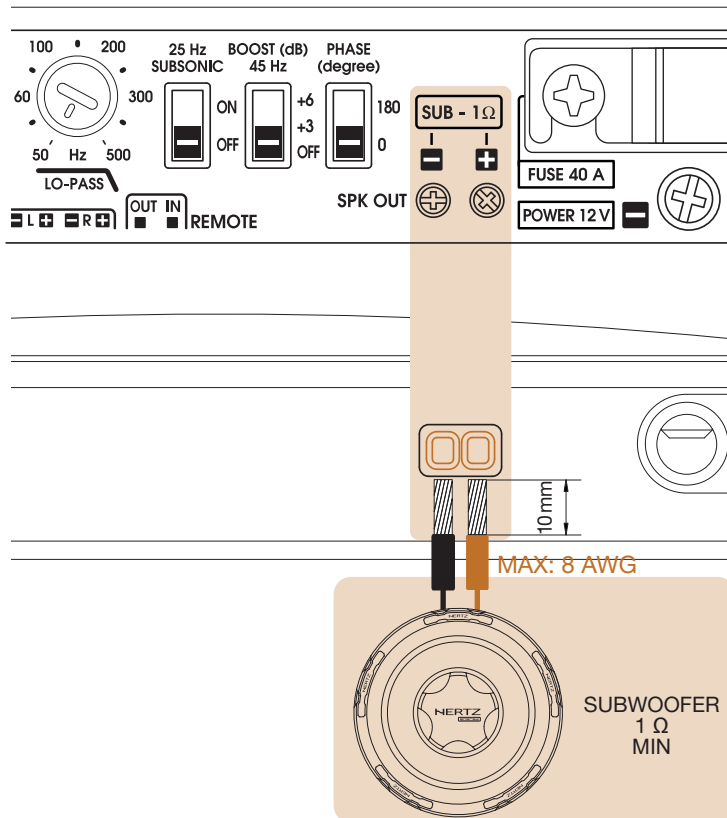
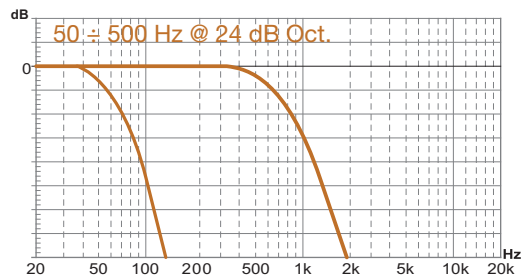
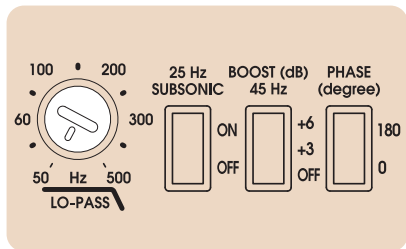
## INPUTS

### SPEAKER IN and PRE OUT



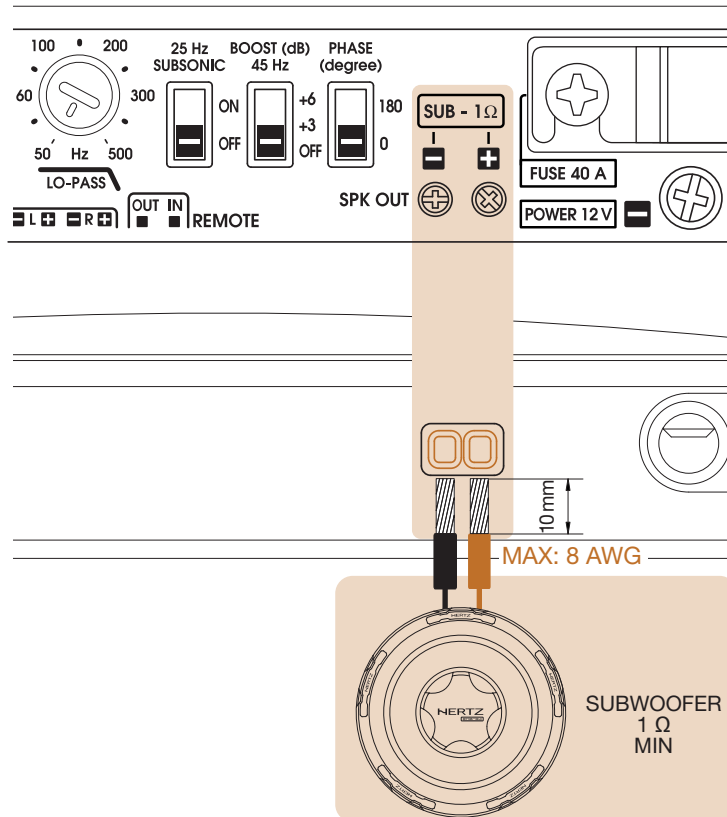
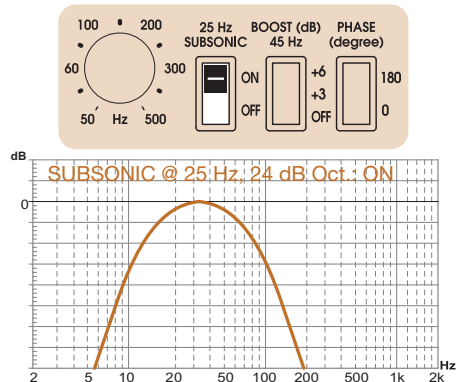
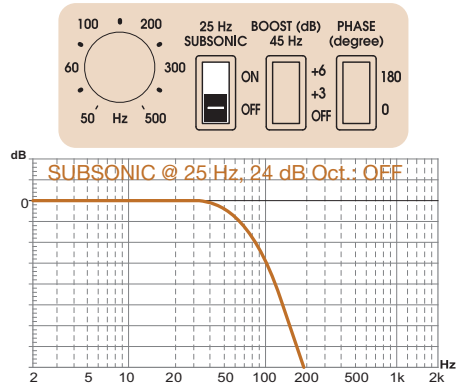
## POWER OUTPUTS

### Lo-pass frequency adjustment



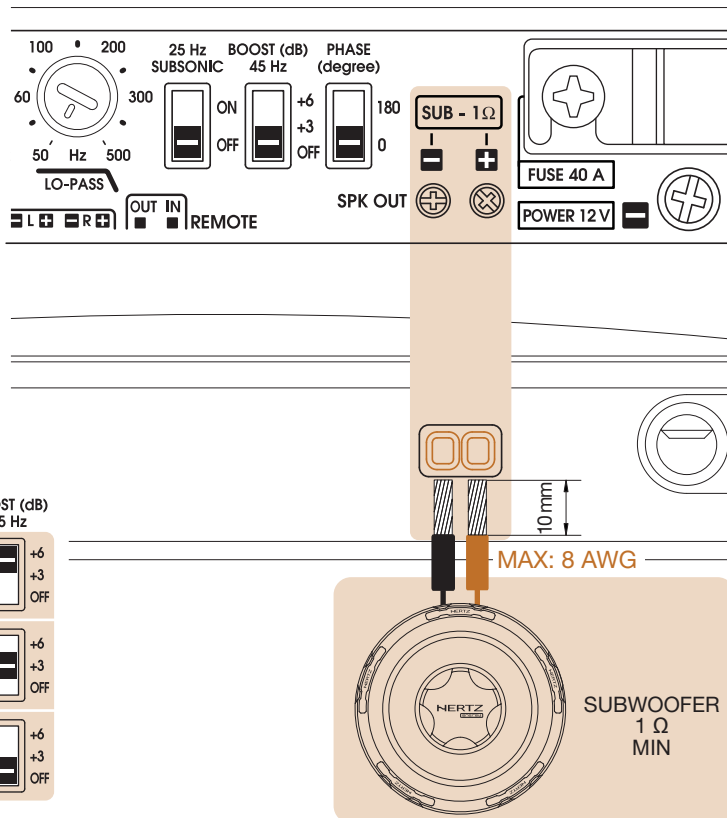
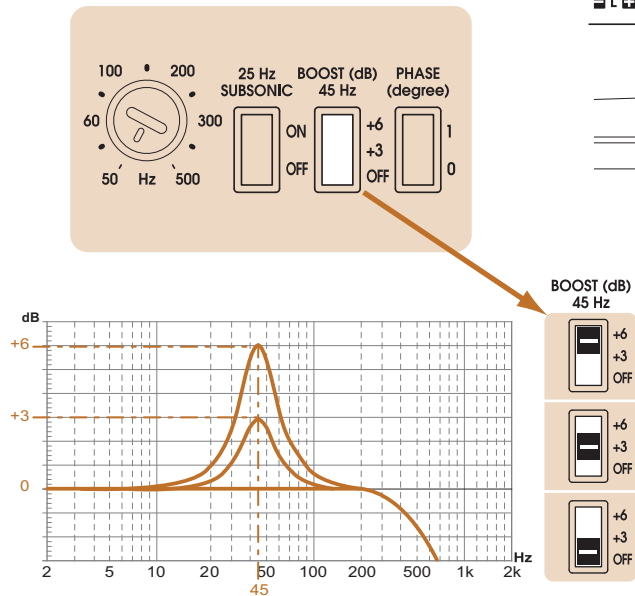
## POWER OUTPUTS

### Subsonic filter On/Off



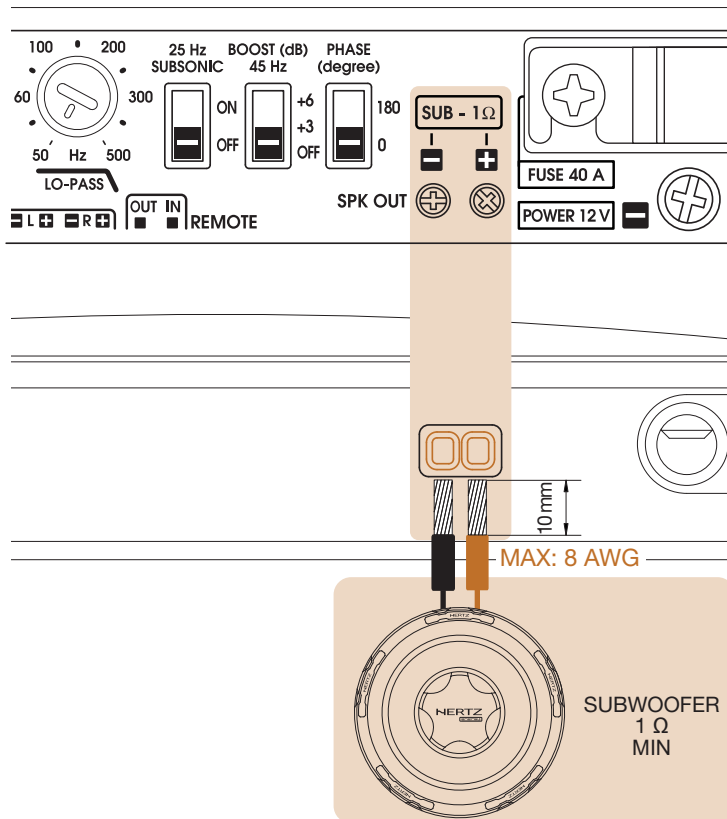
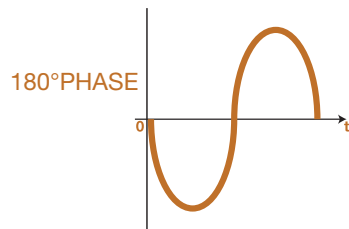
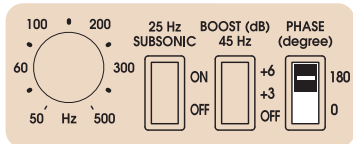
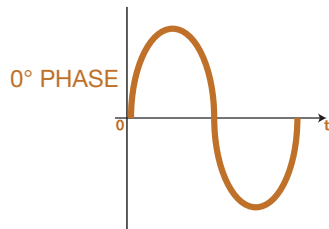
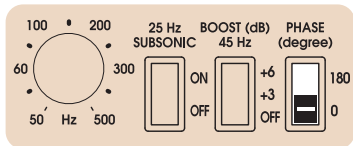
## POWER OUTPUTS

### Boost: Bass power adjustment

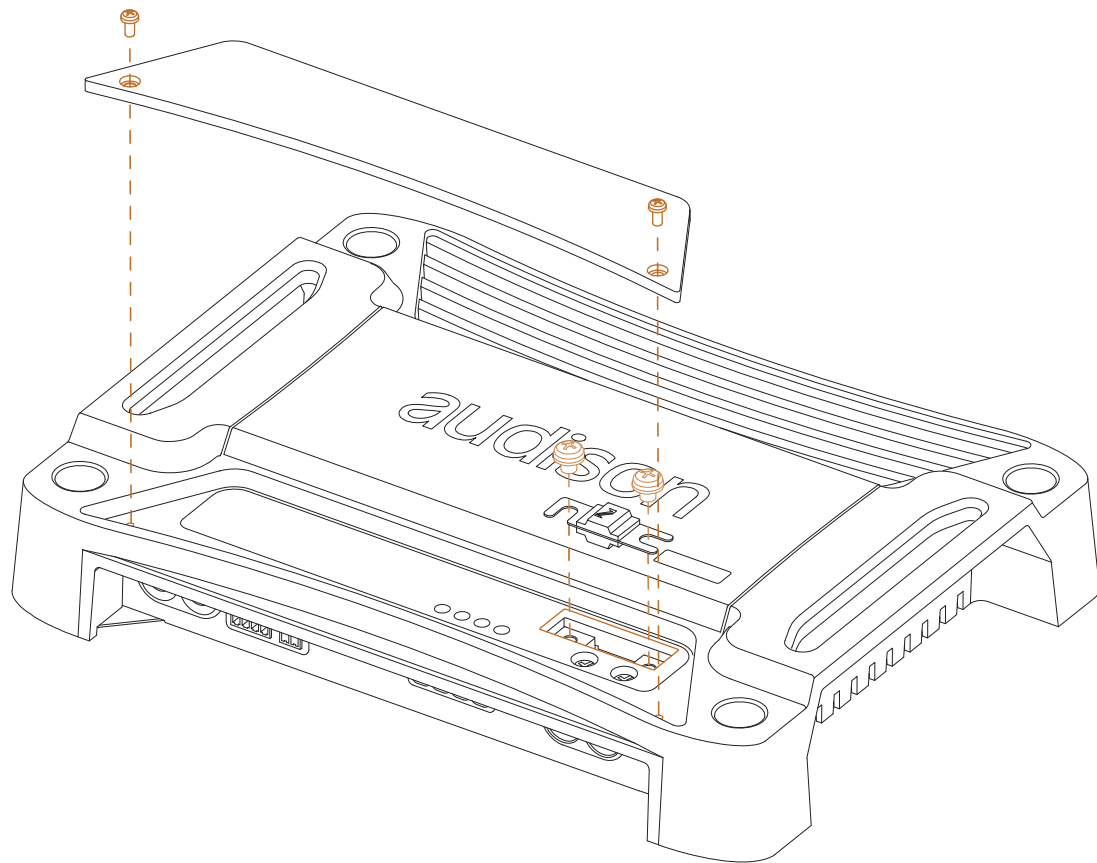


## POWER OUTPUTS

### Signal phase adjustment



## COVER and FUSE



## TECHNICAL SPECIFICATIONS

### Power Supply

|                                      |                   |
|--------------------------------------|-------------------|
| Voltage:                             | 11÷15 VDC         |
| Idling current:                      | 1 A               |
| Switched off:                        | <0.01 mA          |
| Remote IN voltage:                   | 7÷15 VDC (1 mA)   |
| Remote OUT voltage:                  | 11÷15 VDC (15 mA) |
| Internal fuse (AFS):                 | 40 A              |
| Consumption @ 14.4 VDC, 2 $\Omega$ , |                   |
| Max Musical Power:                   | 33 A              |

### Inputs/Outputs/Filters

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

### Size

|                   |                                                                                |
|-------------------|--------------------------------------------------------------------------------|
| WxHxD (mm/inches) | 213 x 53.5 x 288 / 8 <sup>n7/16</sup> x 2 <sup>n1/8</sup> x 11 <sup>n3/8</sup> |
| Weight (kg/lb)    | 2.6 / 5.73                                                                     |

### Amplifier stage

|                                                    |               |
|----------------------------------------------------|---------------|
| Distortion - THD @ 100 Hz, 4 $\Omega$ , 90% Power: | 0.3 %         |
| Bandwidth @ -3 dB, 2 VRMS, 4 $\Omega$ :            | 18 ÷ 500 Hz   |
| S/N ratio @ A weighted, 1 V, Max Power:            | 90 dB         |
| Damping factor @ 100 Hz, 2 VRMS, 4 $\Omega$ :      | 150           |
| Input sensitivity (PRE IN):                        | 0.3 ÷ 5 VRMS  |
| Input sensitivity (SPEAKER IN):                    | 1 ÷ 15 VRMS   |
| Input impedance (PRE IN):                          | 15 k $\Omega$ |
| Input impedance (SPEAKER IN):                      | 100 $\Omega$  |
| Load impedance (Min):                              |               |
| 1 Ch                                               | 1 $\Omega$    |
| Nominal power (RMS) @12 VDC; 1% THD, 4 $\Omega$ :  | 200 W x 1     |
| Output power (RMS) @14.4 VDC; 1% THD:              |               |
| 1 Ch @ 4 $\Omega$                                  | 280 W x 1     |
| 1 Ch @ 2 $\Omega$                                  | 460 W x 1     |
| 1 Ch @ 1 $\Omega$                                  | 640 W x 1     |

### CEA Specifications

|                                  |              |
|----------------------------------|--------------|
| Output Power @                   |              |
| 4 $\Omega$ , ≤ 1% THD+N, 14.4 V: | 250 W x 1 Ch |
| S/N ratio (ref. 1W output):      |              |
| 250 W Channel:                   | 74 dBA       |



**NOTE**

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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