



1200.4D EVO
Owner's Manual

English

PACKAGE CONTENTS

1 1200.4D EVO Amplifier

1 Owner's Manual

1 Allen wrench 2,5mm

1 Allen wrench 4mm

1 Promotional Sticker

INTRODUCTION

Dear customer,

Congratulations on acquiring your Soundigital!
You've just purchased a product of high quality and technology. The Soundigital products are developed to assure maximum efficiency and reliability to your sound system.

Class D Amplifiers:

The main characteristics of Class D amplifiers are: audio quality, efficiency, versatility and compact design. Here are the advantages of these characteristics:

Audio Quality – Class D amplifiers used to have a limited response in the past and they used to have a worse performance regarding higher frequencies than Class AB amps, despite being more efficient. Introducing new technologies, Soundigital developed a Class D amplifier superior to the Class AB ones in efficiency and performance.

Efficiency – The Soundigital Class D amplifiers have a total efficiency (power source + output) higher than 70%, assuring a battery consumption and a heating lower than the expected.

Versatility of uses –The flat response of all the frequencies of Soundigital amplifiers allows them to be used in all the kinds of systems: SPL, Sound Quality, Trio Elettrico and Pancadao, meeting the needs with extreme quality.

Compact design – The high efficiency and technology allow our amplifiers to be really compact, making it easy to install them in vehicles where you have limited space.

IMPORTANT INFO

Read this manual and follow its instructions and information carefully. It contains extremely important information to have your amplifier working properly. If you feel the need to contact our Tech Support, you can reach our technicians through the e-mail info@soundigitalusa.com

We recommend the use of Soundigital original accessories for a better performance. The crossovers, RCA cables and voltmeters offered by Soundigital follow the same quality standards as our amplifiers, assuring an excellent quality and high power sound system to our customers.

To know our complete line of amplifiers and accessories, visit www.soundigitalusa.com



Warning!

This “Warning” sign alerts the user of important info. Not following this instructions may cause injuries to the user or damage to the equipment.

- ▶ To prevent injuries to the user or damage to the amplifier, read all the safety instructions written on this manual;
- ▶ If you have questions about the installation of this equipment, get in touch with our tech support or with a professional specialized in car audio installation;
- ▶ Before proceeding with the installation of any electric equipment on your vehicle, unplug the negative (-) terminal of the battery to avoid fires, injuries or damages;
- ▶ Use your sound system safely, exposure to continuous sound pressure over 85 dB may cause irreversible hearing loss.

ADDITIONAL INFORMATION

PACKAGE CONTENTS

- 1 1200.4D EVO Amplifier
- 1 Owner's Manual
- 1 Allen wrench 2.5mm
- 1 Allen wrench 4mm
- 1 Promotional Sticker

CONTACT CHANNEL

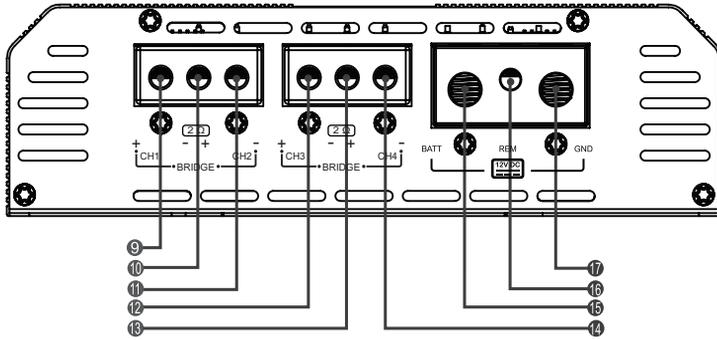
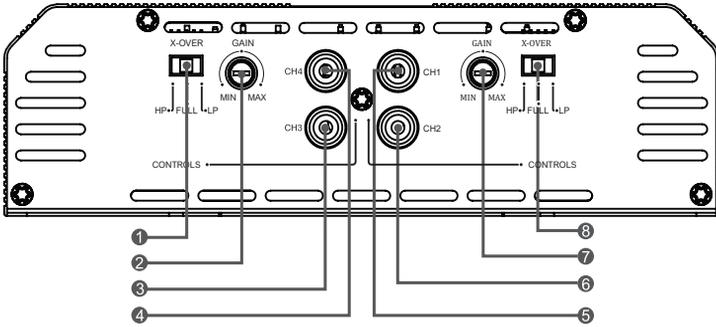
Customer Service
+1 786-600-1056
info@soundigitalusa.com

Tech Support
info@soundigitalusa.com

Website
soundigitalusa.com

Social Media
facebook.com/SounDigitalUSA

PANELS DESCRIPTION



PANELS DESCRIPTION

- 01 Crossover selection switch CH3 and CH4;
- 02 Variable sign gain control CH3 and CH4;
- 03 Audio Input RCA connector CH3;
- 04 Audio Input RCA connector CH4;
- 05 Audio Input RCA connector CH1;
- 06 Audio Input RCA connector CH2;
- 07 Variable sign gain control CH1 and CH2;
- 08 Variable sign gain control CH1 and CH2;
- 09 Positive audio output connector (-) CH1;
- 10 Negative audio output connector (-) CH1 and positive (+) CH2;
- 11 Negative audio output connector (-) CH2;
- 12 Positive audio output connector (-) CH3;
- 13 Negative audio output connector (-) CH3 and positive (+) CH4;
- 14 Positive audio output connector (-) CH4;
- 15 Positive power supply connector (+12v);
- 16 Remote power supply connector (REM);
- 17 Negative power supply connector (GND);
- 18 "Power on" LED indicator (Blue).



Declaration of Conformity

CE

J. Anflor Eletrônicos - ME
Gravatá - RS
Brazil

Declare in own responsibility that the products described in this owner's manual are in compliance with technical standards:

- EN 60065:2002+A1:2002+A11:2008+A2:2010+A12:2010
- IEC 60065:2014-06


Juliano Anflor
J. Anflor Eletrônicos
Brazil

INSTALLATION

Electrical Dimensioning

For proper operation of your amplifier your Soundigital amplifier needs the correct size of cables and electrical system.



Warning!

The protection fuse or circuit breaker must be installed at a max distance of 30 cm (1 foot) from the battery.

Minimum capacity of the battery	66Ah
Recommend capacity of the battery	132Ah
Fuse/circuit breaker size	70A
Size of recommended cable	5 AWG/16mm ²

Use good quality cables (copper if possible) for the connections to the amplifier. CCAW cables should be double the size (see table above).

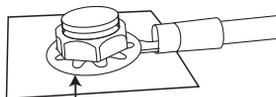


Warning!

Unplug the negative (-) terminal of the battery before proceeding with any electrical installation in the vehicle to avoid fire starts, wounds or damage to the amplifier.

Installation Tips

- ▶ The ground cable should be the shortest possible and should be connected to the chassis of the vehicle. The surface should be sanded at the contact point to create a clean, metal-to-metal connection between the chassis and the termination of the ground wire.



Remove de paint between the terminal and chassis

- ▶ Keep the RCA cables together, but away from the power or the audio output cables and away from electric equipment such as electronic fuel injection centrals, electric engines, etc.



Warning!

You should never connect or disconnect RCA cables with the amplifier on, because it may damage the headunit or the amplifier.

- ▶ When passing cables through metallic walls, use rubber grommets to avoid damage to the cable and short circuits.

- ▶ Choose a proper place to install the amplifier and avoid blocking the side ventilation panels.
- ▶ Securely mount the amplifier so that it does not come loose in the event of a collision or a sudden jolt to the vehicle. Avoid mounting it on metallic parts of the vehicle, because it may cause an earth loop (you might have noise issues).



Warning!

Be careful when drilling holes in the vehicle. Verify if you're not drilling holes in the fuel tank, brake lines or electrical cables of the vehicle.

- ▶ Use speakers accordingly to the power and impedance of the amplifier. Verify if the adjustment filters can be used to increase the performance of the equipment.



Warning!

Never use speakers with impedance under the nominal impedance of the amplifier or you may damage it.

- ▶ To avoid unwanted noise in the system, join the ground points of the equipment and audio output to only one point.
- ▶ After the end of the electrical installation, connect the negative cable of the battery and, before starting the audio system, check if the gain control are in the minimum position.
- ▶ To adjust the gain control, use the headunit volume at 70%, playing music. Increase slowly the gain of channels 1-2 until you can notice the distortion. Reduce the gain slightly until you have a clean signal. Repeat this procedure for channels 3-4.

- ▶ Some headunits with strong signal output may reach max power even when the gain is next to its minimum. In that case, limit the volume of the headunit right before the audio distortion can be heard.



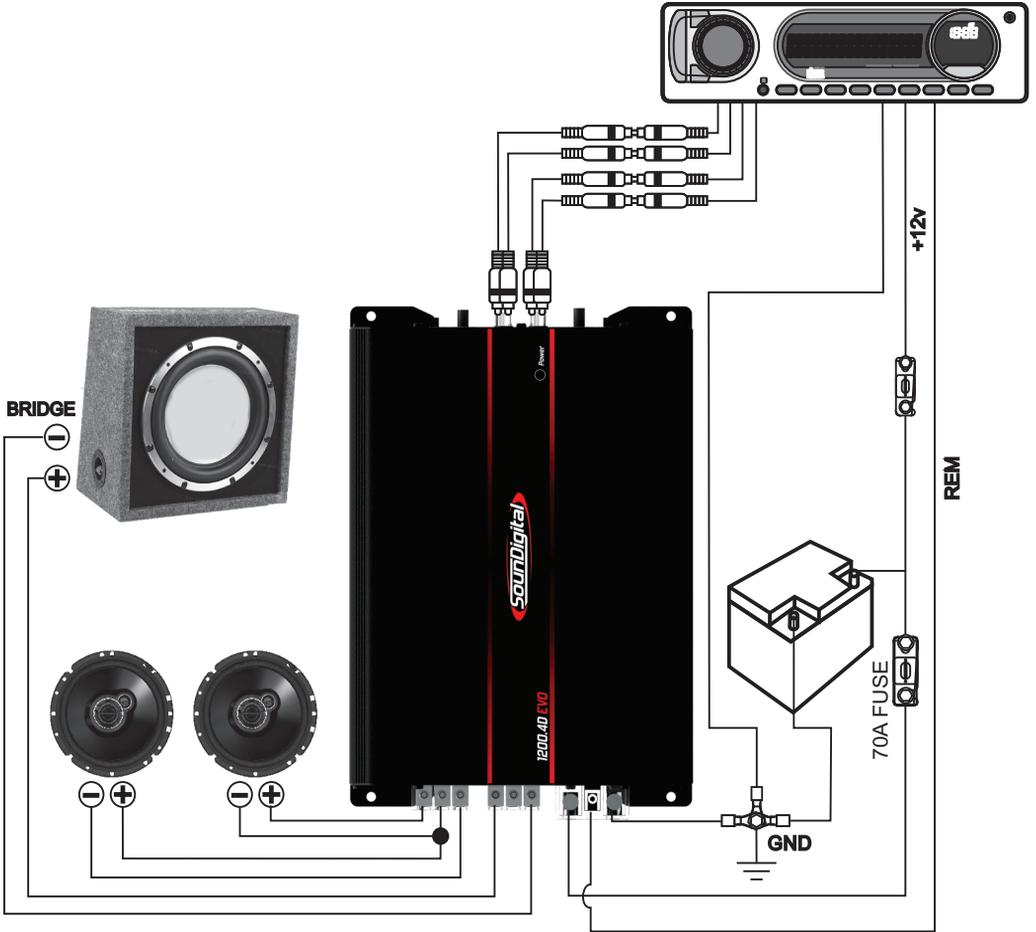
Warning!

Gain positioning over the correct spot may cause noise, trigger protection state or damage to the speakers.

- ▶ Adjust the high pass and low pass filters according to your speaker specifications. In case of doubt, please refer to your speaker manual.

INSTALLATION

Unplug the negative (-) terminal of the battery before proceeding with any electrical installation in the vehicle to avoid fire starts, wounds or damage to the amplifier.



TECHNICAL SPECS

	1200.4D EVO 2 Ω	1200.4D EVO 4 Ω
Power @ 12.6V @ 1Ω:	4 x 300W RMS	N/A
Power @ 12.6V @ 2Ω:	4 x 165W RMS	4 x 300W RMS
Power @ 12.6V @ 4Ω:	4 x 91W RMS	4 x 165W RMS
Bridge Power @ 12.6V @ 2Ω:	2 x 600W RMS	N/A
Bridge Power @ 12.6V @ 4Ω:	2 x 330W RMS	2 x 600W RMS
Power @ 14.4V @ 1Ω:	4 x 392W RMS	N/A
Power @ 14.4V @ 2Ω:	4 x 215W RMS	4 x 392W RMS
Power @ 14.4V @ 4Ω:	4 x 119W RMS	4 x 215W RMS
Bridge Power @ 14.4V @ 2Ω:	2 x 784W RMS	N/A
Bridge Power @ 14.4V @ 4Ω:	2 x 431W RMS	2 x 784W RMS
THD + N (10% Rated Power):	0,007%	0,007%
Frequency Response (- 3dB):	5Hz - 20kHz	5Hz - 20kHz
Damping Factor:	<200	<200
Max Current Draw:	127A	127A

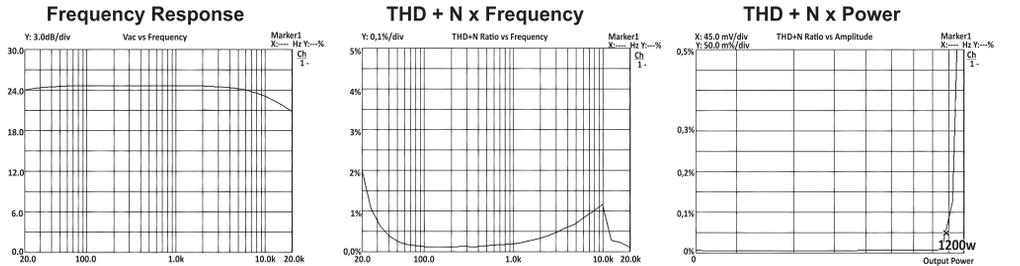
Input signal and filters

Input sensitivity	0.5V to 8V
High pass filter	80Hz (Fix)
Low pass filter	80Hz (Fix)

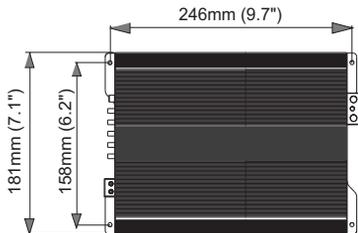
Power supply

Operating voltage	9V to 16V
Max current draw	132A
Current draw (music)	69A
Total efficiency (source+output)	75%

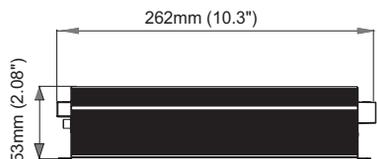
Graphics



Dimensions



Peso: 1,6kg (3.5 lb)



LIMITED WARRANTY

SounDigital warrants the original purchaser that this product shall be free of defects in materials and workmanship for a period of twelve (12) months from the original date of purchase. The warranty term is extended to twenty four (24) months if installation is performed or approved by an authorized SounDigital dealer (requires proof of installation or approval required on purchase receipt). This warranty is not transferrable and applies only to the original customer from an authorized SounDigital dealer.

Warranty is void when:

- Defect or problem caused by misuse of the product;
- Incorrect installation or non-conformity with the Manual;
- Maintenance made by unauthorized personnel;
- Alteration or removal of the seal/serial number;
- Exposure to adverse conditions (weather, humidity, etc)
- Damage caused by fall, impact or natural depreciation; caused by transport and/or handling, risks, or smashings.
- Products was purchased more than 12 months ago.

Warranty covers:

- Component or material with manufacturing defects;
- Workmanship/service needed to repair the equipment.
- If you need service on your SounDigital amplifier, send it (freight-prepaid) to SounDigital's Amplifier Repair Center through an authorized SounDigital dealer (must be accompanied by proof of purchase).
- Any extra information you can get by contacting us at the e-mail address: info@soundigitalusa.com;
- In case of manufacturing defect or bad quality of raw material, the max compensation will be the replacement of the product, not allowing any kind of compensation payment;
- New modifications/iterations on a product don't obligate the manufacturer to modify products formerly produced.