

LEDS INDICATORS (TOP OF AMPLIFIER)

BLUE LED (POWER): illuminates when the power is on.

RED LED (PROT): illuminates when there are some problem in the functioning of amplifier.

PROBLEM

SOLUTION



Short-circuit or overload in the output.

Verify if the speaker cables are properly isolated, observe the minimal impedance.



BATT

Discharged battery.

Its normal the consumption of the battery for a long period, recharge your battery.

HOW TO ACT IN CASE OF PROBLEMS

NOT TURN ON:

- The cables are not correctly connected (terminals BAT, GND and REM). Make sure that all connections has mechanical and electrical contact.
- Fuses/circuit breakers (external) are defective or burned. Take care about the correct value of the new fuse!
- Output remote/electric antenna of CD-player/MP3-player with problem (burn).

NO SOUND:

- The cables of speakers or plugs RCA are not connected correctly.
- Check if the LEVEL control is not in the minimum.

NO SOUND / RED LED (PROTECTION) ILLUMINATED:

- Speakers or cables (damaged), so, check speakers, cables and connections.
- Check the battery charge.

BAD SOUND QUALITY (DISTORTION):

- The speakers are overloaded, so, decrease the level and redo the gain adjustment (see item 2/general description).

WEAK BASS:

- Cables of speakers (+) and (-) are changed, speakers out of phase (see item 5/general description).

MOTOR NOISE, HORN, SIGNAL LIGHT, ETC:

- Use suppressive cables in ignition candles.
- Use capacitors in the alternator, horn, ignition.
- Pass the shielded RCA cable away from any other cable, because it is more sensitive to interference.
- Connect to power (+12V) separate for the sound system. Use a fuse to 30 cm from the battery for protection.
- Make a good grounding of the amplifier. To do this, remove the paint from the chassis of the vehicle at the desired point. Screw the cable using a ground terminal. To protect from oxidation, insulate with paint.
- Do not loop the ground wire. Avoid using several ground wires. Prefer a star connection, with all the ground wires aside from a single point.

STETSOM

Unlimited Power

VENOM LINE

USER'S GUIDE

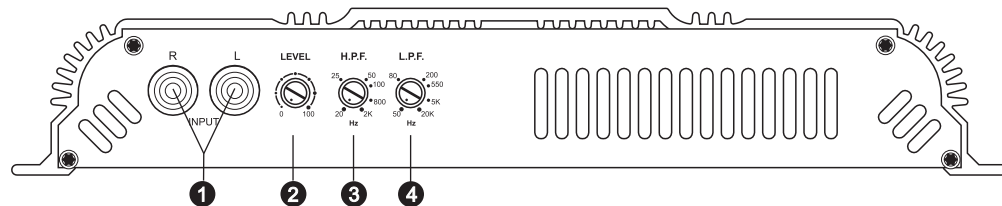
HALF BRIDGE

V 1000.1 ES

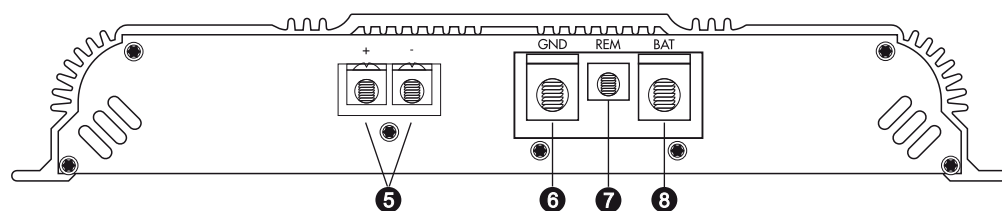
MODELO:	V 1000.1 ES – 2 OHMs	V 1000.1 ES – 1 OHM
Número de Canais:	1	1
Potência @ 13,8V Mono 1 Ohm:	-	1000 Watts RMS
Potência @ 13,8V Mono 2 Ohms:	1000 Watts RMS	550 Watts RMS
Potência @ 13,8V Mono 4 Ohms:	590 Watts RMS	300 Watts RMS
Impedância Mínima de Saída	2 Ohms	1 Ohm
Impedância de Entrada	28 KOhms	25 KOhms
Sensibilidade Mínima de entrada:	0,2V	0,2V
Distorção Harmônica Total:	< 0,9 % THD	< 0,9 % THD
Relação sinal ruído:	> 90 dB	> 90 dB
Resp. em Freq. (-3dB) @ 4 Ohms:	20 Hz à 20 KHz	20 Hz à 20 KHz
Freq. do Crossover HIGH PASS:	20 Hz à 2 KHz	20 Hz à 2 KHz
Freq. do Crossover LOW PASS:	50 Hz à 20 KHz	50 Hz à 20 KHz
Tensão de Alimentação:	9,5 à 15V	9,5 à 15V
Consumo c/ Sinal Musical:	1 a 40 A	1,6 a 41 A
Consumo c/ Sinal Senoidal:	1 a 80 A	1,6 a 82 A
Dimensões em mm (A x L x C):	40 x 240 x 242	40 x 240 x 242
Peso:	2,0 Kg	2,0 Kg

GENERAL DESCRIPTION

AUDIO INPUT AND CONTROLS



OUTPUT AMPLIFIED AUDIO AND POWER INPUT.



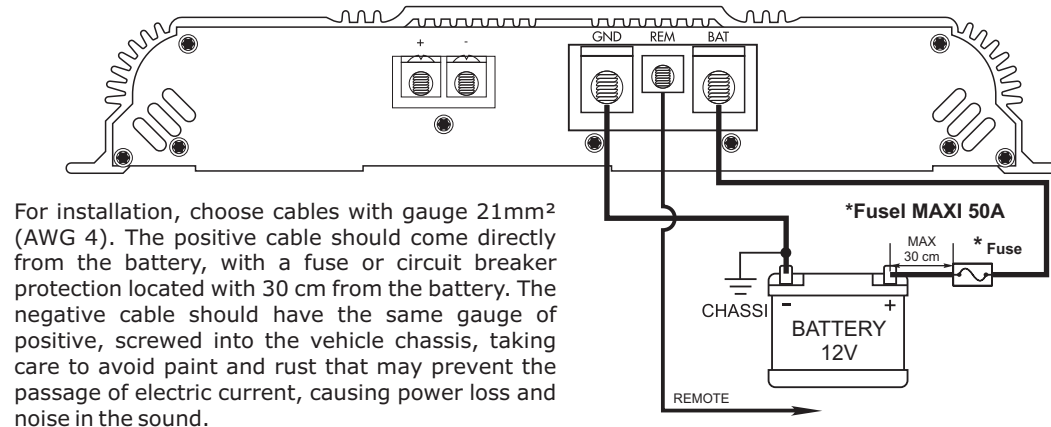
- 1) INPUT – RCA R and L:** This entry should receive the signal via RCA cable that should be connected to the output RCA of CD/MP3-player.
- 2) LEVEL – GAIN CONTROL:** Controls the level of the input signal, allowing a proper adjustment to any CD/MP3-player of the market. Can be regulated as follows:
 - a) at CD/MP3-player, put any musical signal and set the volume at 80% max.
For example: if the maximum volume of your CD/MP3-player is 45 (100%) , set to 36 (80%).
 - b) at amplifier, from the LEVEL in the minimum, increase gradually up until distort the signal.
 - c) slowly, return LEVEL until the signal is free of distortion.
- 3) HIGH PASS FILTER:** This control varies the filter cut off frequency from 15Hz to 2KHz. This filter allows to pass sounds above the cut off frequency.
- 4) LOW PASS FILTER:** This control varies the filter cut off frequency from 50Hz to 15KHz. This filter allows to pass sounds below the cut off frequency.
- 5) OUTPUT SPEAKERS:** Beware the correct polarity of connections to the speakers, check the minimum output impedance. Use cables of at least 4 mm².
- 6) REM – REMOTE ACTUATION:** Connect the REM terminal to output remote/electrical antenna of your CD/MP3-player. So, when turn on your CD/MP3-player, the amplifier will automatically turn on too. Cable of 0.5 mm² is enough.
- 7) GND – EARTH CONNECTION:** Use cable gauge of 21,0 mm² (AWG 4). Plug the cable into the vehicle chassis.

Note: always connect the wire GND (-) of CD-player, or others apparatus at the same point.

- 8) BAT – POSITIVE:** Connect the terminal (BAT) to the positive pole of battery (+12V) with a cable (gauge at least 21,0 mm² (AWG 4)). It is extremely important that use a fuse or breaker protection in this cable with a maximum distance of 30 cm from the battery.

short-circuit the terminals of fuse, this may cause irrecoverable damage and loss of warranty.

INSTALLATION OF POWER (BATTERY)

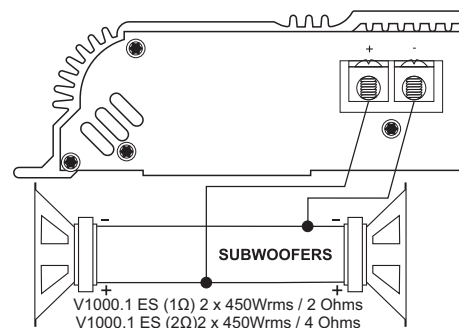


For installation, choose cables with gauge 21mm² (AWG 4). The positive cable should come directly from the battery, with a fuse or circuit breaker protection located with 30 cm from the battery. The negative cable should have the same gauge of positive, screwed into the vehicle chassis, taking care to avoid paint and rust that may prevent the passage of electric current, causing power loss and noise in the sound.

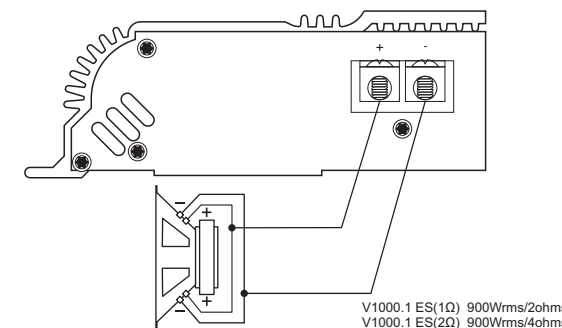
INSTALLATION OUTPUT OF SPEAKERS

The cables of the speakers should be polarized (marked) to facilitate identification of positive and negative. Minimum gauge is 4mm². Keep the cables from the speakers properly insulated. Beware of metal parts that can damage the insulation of cables.

2 SPEAKERS

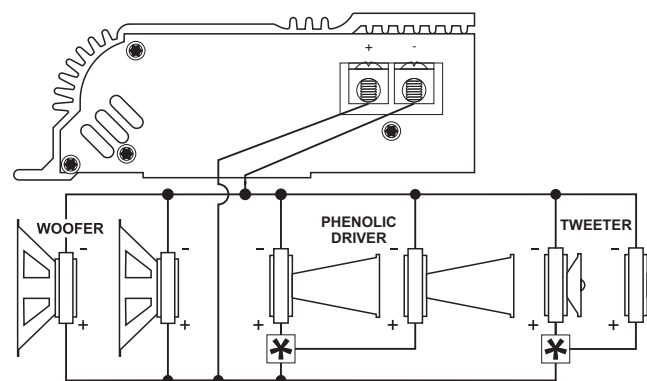


1 SPEAKER - DUAL COIL

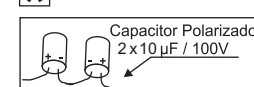


OBS: 450Wrms per bobina.

TRIO WITH 2 WOOFERS, 2 DRIVERS AND 2 TWEETERS



* CAPACITOR - OPÇÕES:



SPEAKER TABLE

WOOFER	DRIVER	TWEETER
V1000.1 ES (1Q) 450W/2ohms	2x100µF	2x10µF
V1000.1 ES (2Q) 450W/4ohms	125W/8ohms	150W/8ohms
	125W/8ohms	150W/8ohms
	POWER Watts RMS	

AMPLIFIER IS FOR A SUBWOOFER, WOOFER, DRIVER AND ALL SPEAKER THAT RESPONSE UNTIL 20KHZ.