

## LEDS INDICATORS (TOP OF THE AMPLIFIER)









- BLUE LED (POWER) lights when the power is on.

- RED LED (PROT) illuminates only when there is a problem in the functioning of the device.

- RED LED (CLIP) flashes when the amplifier output begin to distort the sound.

### SYSTEM TROUBLESHOOTING

If some problem occurs, the amplifier will shut down and the RED LED will flash alternately with the BLUE LED. As the problem occurred, the BLUE LED will blink a certain number of times. So we have a diagnosis according to the table below:

BLINKS	PROBLEM	SOLUTION
1 	 <b>Short-circuit or overload in the output.</b>	<b>Verify if the speaker cables are properly isolated, observe the minimal impedance.</b>
2 	 <b>Excessive temperature.</b>	<b>Verify if the amplifier is in a vented spot.</b>
3 	 <b>Discharged battery.</b>	<b>Its normal the consumption of the battery for a long period, recharge your battery.</b>
4 	 <b>Battery tension alarm. Battery with tension over 16 Volts.</b>	<b>Find a specialized electrician to verify the system, alternator/battery.</b>

**Note:** If only the RED LED blinks (BLUE LED OFF), turn on the device with the volume of CD/MP3-player down. If the problem persists, please contact us.

### WHAT TO DO IN CASE OF PROBLEMS

#### NOT TURN ON:

- The cables are not properly connected (terminals +BATT, GND and REM). Make sure that all connections are mechanical and electrical contact.
- Fuses / breakers (external) are defective or burned. Pay attention to the correct value of the new fuse!

#### NO SOUND:

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

#### NO SOUND/PROTECTION RED LED FLASHING:

- See diagnosis UP (SYSTEM TROUBLESHOOTING).
- The speakers or cables defectives thus check the speakers, cables and connections.

#### POOR SOUND QUALITY (DISTORTION):

- The speakers are overloaded, therefore decrease the level and redo the gain setting (See item 2 / OVERVIEW).

#### WEAK BASS:

- Cables speakers (+) and (-) are reversed, speaker out of phase (see Section 7 / overview).

#### MOTOR NOISE, HORN, SIGNAL LIGHT, ETC:

- Use suppressive cables in ignition candles.
- Use capacitors in the alternator, horn and ignition.
- Pass the RCA cable away from any other cable, because it is more sensitive to interference.
- Connect to power (+12 V) to separate the sound system. Use a fuse to 30 cm from the battery for protection.
- Make a good grounding of the amplifier. To do this removes 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.

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# STETSOM

Unlimited Power

## USER'S GUIDE

# DIGITAL LINE

**6K5 ES - 1 OHM**  
**6K5 ES - 2 OHMS**

### SPECIFICATIONS

Model:	6K5 ES - 1 OHM	6K5 ES - 2 OHMS
Number of Channels:	1	1
RMS Power @ 13.8V 1 Ohm:	7.150 Watts	-
RMS Power @ 13.8V 2 Ohms:	4.420 Watts	7.200 Watts
RMS Power @ 13.8V 4 Ohms:	2.500 Watts	4.550 Watts
RMS Power @ 12.6V 1 Ohm:	6.500 Watts	-
RMS Power @ 12.6V 2 Ohms:	4.300 Watts	6.500 Watts
RMS Power @ 12.6V 4 Ohms:	2.100 Watts	3.050 Watts
Work Voltage:	9,5 to 16V	9,5 to 15V
Frequency Response:	10Hz to 8KHz	10Hz to 8KHz
Crossover LOW PASS:	50Hz to 8KHz	50Hz to 8KHz
Subsonic Filter Frequency:	20 to 80Hz	20 to 80Hz
Total Harmonic Distortion:	< 0,9%	< 0,9%
Signal to Noise:	> 90 dB	> 90 dB
Minimum input sensitivity:	0,2V	0,2V
Input Impedance	20K OHMS	20K OHMS
Minimum Work Impedance	1 OHM	2 OHMS
Consumption / musical signal:	3,5 to 293A	3,5 to 260A
Consumption / BASS signal:	3,5 to 586A	3,5 to 520A
Dimensions (H x W x L):	75 x 310 x 456	75 x 310 x 456
Weight:	6,6 Kg	6,6 Kg

## INSTALLING THE INPUT CABLES.

For the input entrance, use quality RCA cables with shield to avoid interference from the car.

## INSTALLATION OF POWER (BATTERY)

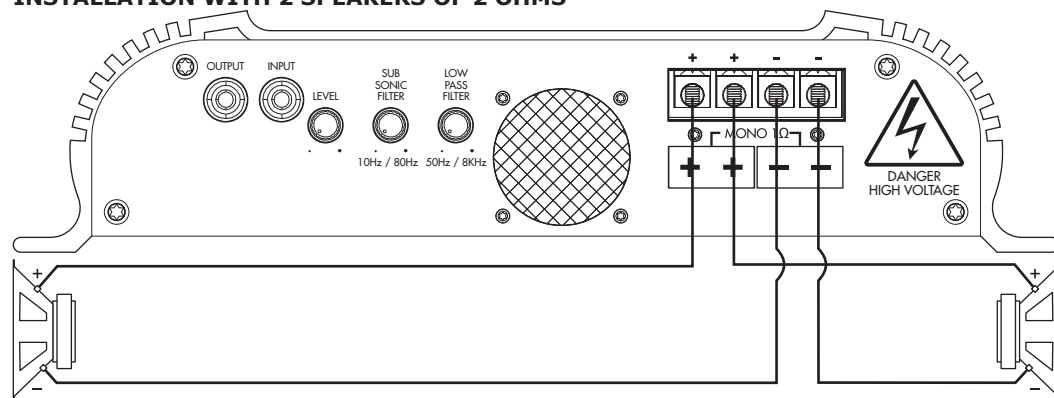
For the installation of power, choose cables with 21mm<sup>2</sup>. The positive cable should come straight from the battery with a fuse or circuit breaker protection located 30cm from the battery. The negative cable should have the same circumference of the positive, and screwed into the chassis of the vehicle, taking care to avoid paint and rust that may prevent the passage of electric current, causing power loss and noise in the sound.

**ATTENTION: USE OF EXTERNAL FUSE OR BREAKER BECAUSE THE AMPLIFIER HAS NO INTERNAL FUSE.**

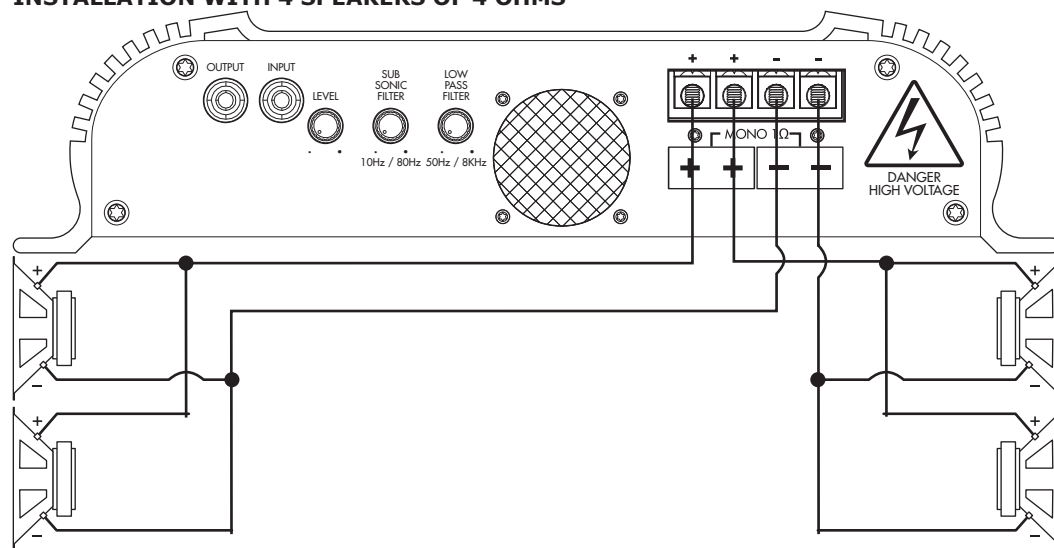
## INSTALLATION OF OUTPUT SPEAKER

The cables of the speakers should be polarized (marked) to facilitate the identification of positive and negative. The circumference should be at least 8mm<sup>2</sup>. Keep the cables from the speakers properly insulated. Beware of metal parts that can damage the insulation of cables.

### INSTALLATION WITH 2 SPEAKERS OF 2 OHMS

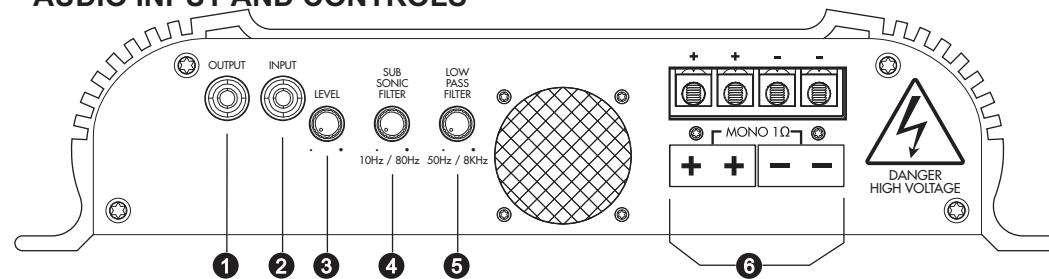


### INSTALLATION WITH 4 SPEAKERS OF 4 OHMS

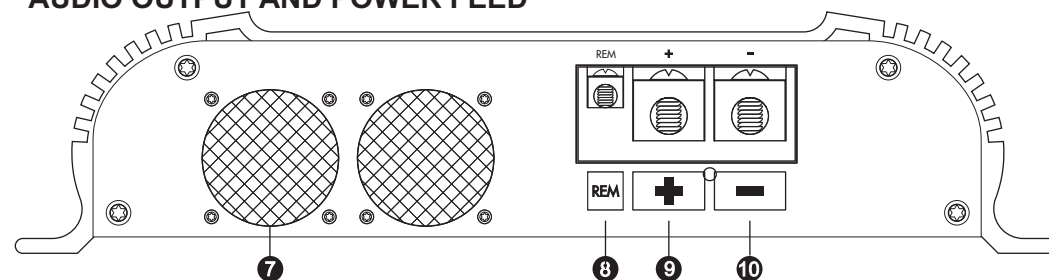


## OVERVIEW

### AUDIO INPUT AND CONTROLS



### AUDIO OUTPUT AND POWER FEED



- 1. OUTPUT - RCA Output:** This output can be used optionally to play with another amplifier, facilitating the installations with multiple amplifiers.
- 2. INPUT - RCA CONNECTION:** This input should receive the signal through a RCA cable that must be connected to the RCA output of the CD/MP3 player.
- 3. LEVEL - GAIN CONTROL:** Controls the input signal that comes from the CD/MP3 player allowing a correct adjustment. For a correct use play a musical signal, put your CD/MP3 volume at 80% and the gain control at 0%, then start to increase the gain until you notice distortion, to finish return the gain a little bit.
- 4. SUB SONIC FILTER:** Enables a cut on the low frequency sounds (subsonic`s). This filter is very useful when using woofer type speakers. In this cases the woofers can't handle subsonic sounds, and may even damage the woofers depending on the type of sound used. The setting goes from 10Hz to 80Hz.
- 5. LOW PASS FREQ. - FREQUENCY CUT CONTROL:** This control allows you to choose the frequency cut of the channels filter (crossover) between 50Hz and 15KHz. This filter only allows the signals that are below of the frequency cut.
- 6. SPEAKER OUTPUT:** This output is MONO. Observe that there are four posts for connection, however its not necessary to use all posts. You Just need a positive and a negative. Be careful with the correct polarity of the speakers. The minimal association permitted is 2 ohms. Use at least 8mm<sup>2</sup> cables.
- 7. COOLER:** It helps the internal temperature of the components to below.
- 8. REM - REMOTE TURN-ON:** Connect the REM terminal to the electrical antenna output of you CD/MP3 player. This way when you CD/MP3 player, the amplifier will automatically turn on. A 0.5mm cable is sufficient.
- 9. +BATT - POSITIVE FEED:** Connect the post (+BATT) to the positive post of the battery (+12V) with a cable of at least 35,0 mm<sup>2</sup>. Its extremely important that a fuse or circuit breaker is used at a distance of 30cm away from the positive post of the battery.
- 10. GND - GROUND CONNECTION:** Use a 35,0 mm<sup>2</sup> cable. Connect the cable to the car chassis. OBS: always plug the wire GND (-) of the CD/MP3 player or other devices in the same point.