ELECTRA
BASS 5K

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USER GUIDE

REV.0 04/2019

BANDA AUDIOPARTS

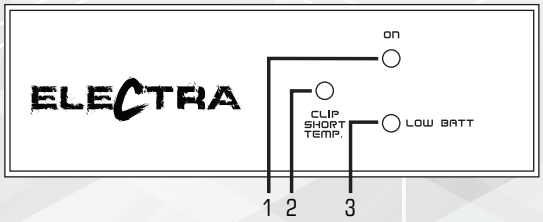
TECHNICAL SPECIFICATIONS

PARAMETER	ELECTRA 5K1	ELECTRA 5K2
Total Power 14,4 @ 1 Ohm	6200 WRMS	-
Total Power 14,4 @ 2 Ohms	4300 WRMS	5500 WRMS
Total Power 14,4 @ 4 Ohms	-	3600 WRMS
Total Power 14,4 Bridged @ 2-4 Ohms	-	-
Total Power 12,6 @ 1 Ohm	5000 WRMS	-
Total Power 12,6 @ 2 Ohms	3600 WRMS	5000 WRMS
Total Power 12,6 @ 4 Ohms	-	3000 WRMS
Total Power 12,6 Bridged @ 2-4 Ohms	-	-
Efficiency @ 8 Ohms	-	-
Efficiency @ 4 Ohms	-	83%
Efficiency @ 2 Ohms	77%	78%
Efficiency @ 1 Ohm	67%	-
Input Voltage	9 - 15V	
Input Impedance	100K Ohms	
THD+Noise	0,10%	
Input Sensitivity	40mV - 2V	50mV - 2V
SNR	90dB	93dB
Frequency Response (Key OFF)	5 to 500Hz (-3dBs)	
Frequency Response	20 to 500Hz (-3dBs)	
Bass Bosst @ 45Hz	Variable 0 to +18dBs	
HPF (Subsonic)	20 to 80Hz @ 12dB/octave Linkwitz-Riley	
LPF (Crossover)	80 to 500Hz @ 12dB/octave Linkwitz-Riley	
Recommended Fuse	250 A	
Current at Rest	3,5 A	
Average Current Draw (Sinusoidal)	600 A	500 A
Average Current Draw (Music)	270 A	
Power Wire Gauge (min. Recommended)	50mm / 0 AWG	
Speaker Wire Gauge (min. Recommended)	2 x 6mm / 2 x 3 AWG	
Weight (Lb)	11,9	11,9
Height (in)	2,4	2,4
Width (in)	10,6	10,6
Depth (in)	12,3	12,3

**** The amplifier has no internal fuse. An external 250 A fuse is recommended.***

FRONTAL PANEL

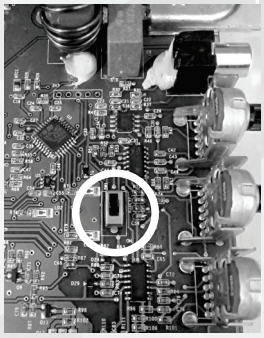
FRONTAL PANEL



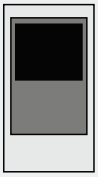
Source and powered amplifier indicator
1. Blue LED: Source and powered amplifier indicator
2. Red LED: output distortion (clipping), shorting and thermal protection indicator
3. Yellow LED: below specified voltage indicator (flashing)

CROSSOVER KEY

Enables to turn on/off the subsonic, crossover and bass boost settings.
This function, when OFF selected, leaves the product with, only, the setting of signal gain (input sensitivity), making the amplifier totally FLAT (5Hz - 500Hz @ -3dB response)
We recommend the use of this function only to more experience users.
To access this resource, remove the product's cover and select the position of the key, placed close to the indication LEDs.

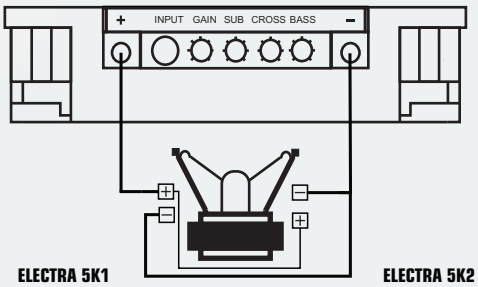


CHAVE CROSSOVER OFF



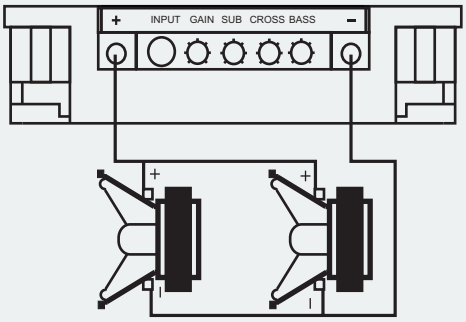
CHAVE CROSSOVER ON

CONNECTION EXAMPLES



ELECTRA 5K1
Woofer or Subwoofer
2+2 Ohms connected in parallel
resulting in
5000Wrms @ 1 Ohm

ELECTRA 5K2
Woofer or Subwoofer
4+4 Ohms connected in parallel
resulting in
5000Wrms @ 2 Ohms



ELECTRA 5K1
2 Woofers or Subwoofers
2 Ohms 2500Wrms each
connected in parallel
resulting in 5000Wrms @ 1 Ohm

ELECTRA 5K2
2 Woofers or Subwoofers
4 Ohms 2500Wrms each
connected in parallel
resulting in 5000Wrms @ 2 Ohms

NOTE: these projects are basic, just an example. This device works on multiple types of system, as long as the minimum impedance is respected.

POSSIBLE PROBLEMS SOLUTION

Protection system	Problem	Solution
Blue and Red LEDs on	The amplifier's temperature has reached its operation limit (approximately 185° F at the external part)	Install the device at an airy place and guarantee that the ventilation system is not obstructed. The amplifier will be operating normally as soon as the temperature cool down.
Blue LED on and Red flashing without output audio	Shorting on the audio output or speaker's impedance below the nominal amplifiers impedance	See if there are no shorting on the speakers connecting cables and if there are not any shorting speakers connected to the system or if the speaker's impedance is not lower than the minimum amplifier's impedance.
Blue LED on and Red flashing according to the song	Clipping LED indicating that the distortion on the output is over 5%	The system can operate with the clipping LED flashing, but the speakers connected on the output will suffer overheating from the voice coil, due to the distortion by clip.
Yellow LED flashing	Amplifiers Input voltage below 9V	Check the charge of the batteries where the amplifier is connected. In addition to that a bad connection on the power cables can also generate voltage drops. Check the voltage on the amplifier's input and batteries output, to verify if the voltage drop is not happening on the cables or connections.
Yellow and Red LEDs on	Problem with the amplifier	Send it to our closest authorized assitance.