

# ELECTRA

BASS  
3K

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## USER GUIDE

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### TECHNICAL SPECIFICATIONS

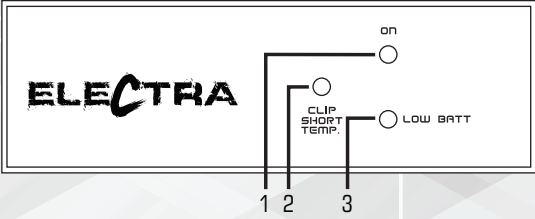
PARAMETER	ELECTRA 3K1	ELECTRA 3K2	ELECTRA 3K4
Total Power 14,4 @ 1 Ohm	3600 WRMS	-	-
Total Power 14,4 @ 2 Ohms	2400 WRMS	3700 WRMS	-
Total Power 14,4 @ 4 Ohms	-	2300 WRMS	3700 WRMS
Total Power 14,4 @ 8 Ohms	-	-	2200 WRMS
Total Power 12,6 @ 1 Ohm	3000 WRMS	-	-
Total Power 12,6 @ 2 Ohms	1800 WRMS	3000 WRMS	-
Total Power 12,6 @ 4 Ohms	-	1700 WRMS	3000 WRMS
Total Power 12,6 @ 8 Ohms	-	-	1700 WRMS
Efficiency @ 8 Ohms	-	-	92%
Efficiency @ 4 Ohms	-	84%	86%
Efficiency @ 2 Ohms	82%	80%	-
Efficiency @ 1 Ohm	75%	-	-
Input Voltage	9 - 15V		
Input Impedance	100K Ohms		
THD+Noise	0,10%		
Input Sensitivity	110mV - 8V	140mV - 8V	150mV - 8V
SNR	82dB	86dB	80dB
Frequency Response (Key OFF)	5 to 500Hz [-3dBs]		
Frequency Response	20 to 500Hz [-3dBs]		
Bass Boost @ 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	150 A		
Current at Rest	2A		
Average Current Draw (Sinusoidal)	320 A	315 A	300 A
Average Current Draw (Music)	160 A	155 A	150 A
Power Wire Gauge (min. Recommended)	21mm / 4 AWG		
Speaker Wire Gauge (min. Recommended)	2 x 4mm / 2 x 11 AWG		2 x 2,5mm / 2 x 13 AWG
Weight (Lb)	10,8	10,8	10,8
Height (in)	2,4	2,4	2,4
Width (in)	10,6	10,6	10,6
Depth (in)	12,3	12,3	12,3



\* The amplifier has no internal fuse. An external 150 A fuse is recommended.

FRONTAL PANEL

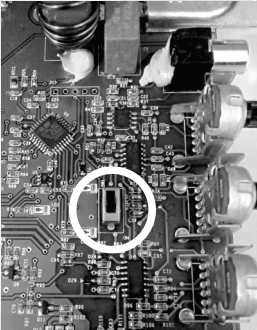
FRONTAL PANEL



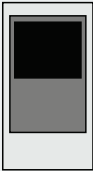
- Source and powered amplifier indicator
- 1. Blue LED: Source and powered amplifier indicator
  - 2. Red LED: output distortion (clipping), shorting and thermal protection indicator
  - 3. Yellow LED: below specified voltage indicator (flashing)

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.



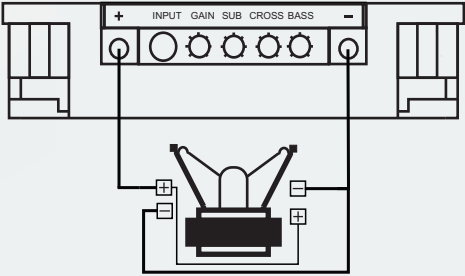
CHAVE CROSSOVER  
OFF



CHAVE CROSSOVER  
ON



CONNECTION EXAMPLES



ELECTRA 3K1

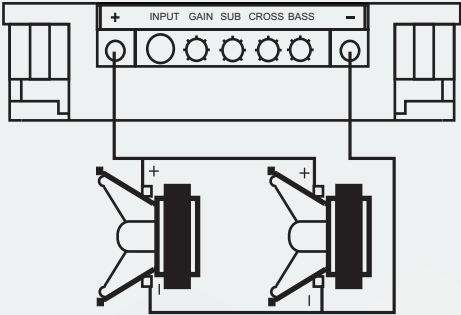
Woofer or Subwoofer  
2+2 Ohms connected in parallel  
resulting in  
3000Wrms @ 1 Ohm

ELECTRA 3K2

Woofer or Subwoofer  
4+4 Ohms connected in parallel  
resulting in  
3000Wrms @ 2 Ohms

ELECTRA 3K4

Woofer or Subwoofer  
8+8 Ohms connected in parallel  
resulting in  
3000Wrms @ 4 Ohms



ELECTRA 3K1

2 Woofers or Subwoofers  
2 Ohms 1500Wrms each  
connected in parallel  
resulting in 3000Wrms @ 1 Ohm

ELECTRA 3K2

2 Woofers or Subwoofers  
4 Ohms 1500Wrms each  
connected in parallel  
resulting in 3000Wrms @ 2 Ohms

ELECTRA 3K4

2 Woofers or Subwoofers  
8 Ohms 1500Wrms each  
connected in parallel  
resulting in 3000Wrms @ 4 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 assistance.