

VIKING

8000
SERIES

RUA MANOEL JOAQUIM FILHO, 353 - STA. TEREZINHA II
PAULÍNIA - SÃO PAULO
BRASIL

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USER GUIDE

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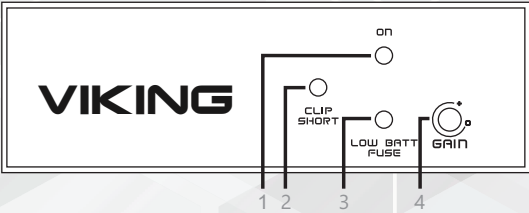
TECHNICAL SPECIFICATIONS

PARAMETER	VIKING 8001	VIKING 8002
Total Power 14,4 @ 1 Ohm	9500 WRMS	-
Total Power 14,4 @ 2 Ohms	7400 WRMS	9500 WRMS
Total Power 14,4 @ 4 Ohms	-	6800 WRMS
Total Power 14,4 Bridged @ 2-4 Ohms	-	-
Total Power 12,6 @ 1 Ohm	8000 WRMS	-
Total Power 12,6 @ 2 Ohms	6100 WRMS	8000 WRMS
Total Power 12,6 @ 4 Ohms	-	5800 WRMS
Total Power 12,6 Bridged @ 2-4 Ohms	-	-
Efficiency @ 8 Ohms	-	-
Efficiency @ 4 Ohms	-	78%
Efficiency @ 2 Ohms	83%	70%
Efficiency @ 1 Ohm	73%	-
Input Voltage	9 - 15V	
Input Impedance	22K Ohms	
THD+Noise	0,10%	
Input Sensitivity	160 to 600mV	230 to 710mV
SNR	80dB	
Frequency Response (Key OFF)	-	
Frequency Response	18 to 8kHz (-3dBs)	
Bass Boost @ 45Hz	-	
HPF (High Pass Filter)	20 - 80Hz @ 12dB/octave Linkwitz-Riley	
LPF (Low Pass Filter)	80 - 8kHz @ 12dB/octave Linkwitz-Riley	
Recommended Fuse	400A	
Current at Rest	4,5A	
Average Current Draw (Sinusoidal)	920 A	890 A
Average Current Draw (Music)	400 A	
Power Wire Gauge (min. Recommended)	50mm / 0 AWG	
Speaker Wire Gauge (min. Recommended)	2 x 6mm / 2 x 3 AWG	
Weight (Lb)	16,9	16,9
Height (in)	2,4	2,4
Width (in)	10,6	10,6
Depth (in)	17,7	17,7

* THE AMPLIFIER ARE NOT SUPPLIED WITH INTERNAL FUSE. MAKE SURE YOU INSTALL IN-LINE FUSE HOLDER FROM POSITIVE TERMINAL OF BATTERY.



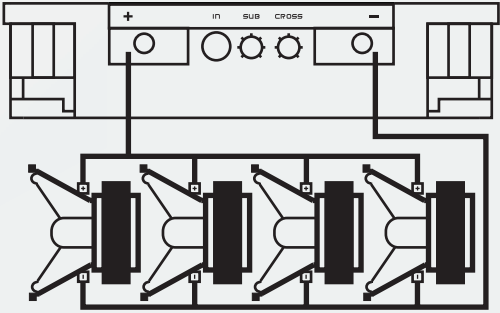
FRONTAL PANEL



- 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)



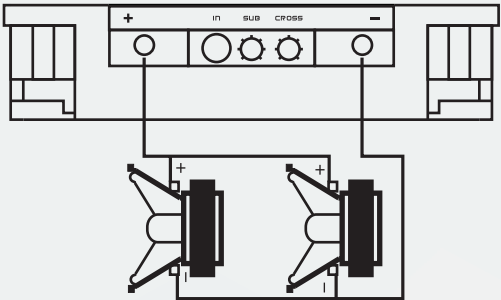
- 1 - Negative input signal (ground): connect to car chassis
- 2 - Internal fuse (protection).
- 3 - Entrada de sinal de acionamento: connect to remote cable of player.
- 4 - Positive input signal +12Vcc.



- VIKING 8001**

4 WOOFERS OR SUBWOOFERS
4 OHMS 2000WRMS EACH
CONNECTED IN PARALLEL
RESULTING IN 8000WRMS @ 1 OHM
- VIKING 8002**

4 WOOFERS OR SUBWOOFERS
8 OHMS 2000WRMS EACH
CONNECTED IN PARALLEL
RESULTING IN 8000WRMS 2 OHMS



- VIKING 8001**

2 WOOFERS OR SUBWOOFERS
2 OHMS 4000WRMS EACH
CONNECTED IN PARALLEL
RESULTING IN 8000WRMS 1 OHM
- VIKING 8002**

2 WOOFERS OR SUBWOOFERS
4 OHMS 4000WRMS EACH
CONNECTED IN PARALLEL
RESULTING IN 8000WRMS 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.