



...is all you need



SxA4K

SxA6K

SxA60

PRO AUDIO

STREET FULL RANGE AMPLIFIER SERIES

CONGRATULATIONS !

You now own an EXCURSION SXA Full Range Amplifier, the product of an uncompromising design and german engineering philosophy. A product made from Car Audio fanatics who truly believe in the relentless pursuit of perfection.

EXCURSION amplifiers are the result of several decades of product improvements, competition, innovation and highest quality parts and control standards in industry. When properly installed these amplifiers will provide you with many years of listening pleasure and are the perfect balance between high fidelity, extreme performance and long-lasting reliability.

Should your amplifier ever need a service, Please record your information on the following lines to refer to in the event that you may need it later.

Dealer's Name _____

Date of Purchase _____

Installation Shop _____

Installation Date _____

At EXCURSION Intl. we are confident you will have many years of outstanding enjoyment from your high performance investment. For maximum performance we recommend that you have your new EXCURSION SXA Amplifier installed by an exclusive Authorized EXCURSION Dealer

To learn more about EXCURSION, please visit us on the World Wide Web at

<http://www.excursion.us>

CAUTION !

Continuous exposure to sound pressure levels in excess of 100dB can cause permanent hearing loss. EXCURSION Products are capable of producing sound pressure levels well over 170dB. Please observe all local sound ordinances while listening to your EXCURSION System. EXCURSION Intl. accepts no liability for hearing loss, bodily injury, or property damage due to the result of use or misuse of this product.

FEATURES

- * Fully 10ohm stable Full Range Response
- * Soft delayed remote Turn On Circuitry
- * Fully microcontrolled Power Supply
- * Fully adjustable LPF, HPF, BPF Crossover
- * 12dB fully adjustable Bass Boost Setting
- * Military Standard 8GA and 0GA Terminal
- * External Remote Level Control included
- * Overload, Heat, Volt, Short Circuit Protection
- * Power / Clip / Alarm LED Status indicators
- * Heat managements with cooling Fans on board

SPECIFICATIONS

Model	SXA60		SXA4K	SXA6K
Description	2 Channel		MONO	MONO
1Ohm Load @ 14.4V	2x 2500W	NA	3500W	5500W
2Ohm Load @ 14.4V	2x 1500W	1x 5000W	2500W	3500W
4Ohm Load @ 14.4V	2x 750W	1x 3000W	1500W	2000W
LINK Mode	NA			
Features				
Input Sensitivity	0.2 ~ 6V			
Frequency Response	20Hz ~ 20KHz			
LPF	50Hz ~ 5KHz		50Hz ~ 20KHz	50Hz ~ 5KHz
HPF	10Hz ~ 1KHz			
THD at 4Ohm load	<0.5%			
S/N Ratio	>85dB			
BassBoost @45Hz	0 ~ 12dB			
Efficiency @ 4Ohm	>90%			
Minimum Load	10hm			
Auto Turn ON/OFF	NA			
Fuse Protection	300 A		250 A	400 A
Short Circuit Protection	YES			
Thermal protect °C	Protect at 84°C / 185F			
Components & PCB	SMD parts / double side pcb			
Dimension in mm				
Height	68			
Width	230			
Length (incl. Terminals)	400 (430)		200 (230)	410 (440)

CONTROL FUNCTIONS

1. RCA Audio Input

These RCA Input jacks connect with your source unit RCA Low Level Outputs. The use of highquality twisted pair car audio cables is recommended to mind possibility of disturbance the audio signal.

2. GAIN Control

The Gain controle will match the amplifiers sensitivity to the provided source unit signal voltage.

3. X-Over Mode Switch

This Switch select between 3 Options of operating frequency range of your Excursion Amplifier

- 5.1 HPF - High Pass filter the unwanted low frequency range from your audio signal.
- 5.2 FULL - Fullrange setting route your audio signal without any Filter direct to amplification.
- 5.3 BPF - operating High Pass and Low Pass filter high and low FQ rom your audio signal.

4. HIGH PASS FILTER Control

This know controls the frequency x-over point from where Low Frequency can be cut out.

5. LOW PASS FILTER Control

This know controls the frequency x-over point from where High Frequency can be cut out.

6. RCA Audio Output

These RCA Audio Output Jacks offer the possibility to route the audio signal to further Amplifier. Helpful for example if Headunit offer only one pair RCA Output and further SXA Amplifier need share same Signal. The use of them are to compare with Y-RCA Adapters

7. REMOTE - Bass Level Controle (included)

The Volume of your SXA Amplifier can get comfortable adjusted from driver seat.

8. BASS BOOST Level

This knob adjust 45Hz signal BOOST level from 0 up 12dB. Preferable demand small size cars.

9. POWER Indicator

This LED will light up when amplifier works properly

10. ALARM Indicator

This LED will light up if amplifier has detected a fault or has shut down to protect itselfes. This may caused for example at excessive heat, reverse polarity, short circuit or overload. This case please turn off the amplifier, disconnect and resolve the problem before continue.

11. CLIPPING Indicator

This LED will light up when the signal starts clipping and support best settings of GAIN.

12. GROUND Terminal

This Terminal is to connect directly to the frame of vehicle. Use shortest distance possible and equal or larger AWG OFC Cable size than +12V Battery Cable. Asure frame cleaned to bar metal.

13. REMOTE Terminal

This Remote terminal is to connect with headunit 12V remote output to turn ON/OFF the amplifier according operating of headunit. If there are more amplifier connected to this terminal it might be necessary, depending on REM performance of headunit, to install an additional relay.

CONTROL FUNCTIONS

14. (+)12 Volt Battery Terminal RCA Audio

Connect this Terminal with proper 0 GA size OFC Power Cable through a Fuse to the positive Terminal of the car battery or the positive terminal of an isolated external car audio battery.

WARNING: Always protect Power Cable via Fuse less than 12inch (30cm) from battery terminal.

WARNING: SXA Amplifiers need external Fuse not less than 12inch (30cm) from Power terminal.

Note: Please follow the maximum Fuse recommendation from Excursion SXA Specifications.

Note: We designed 0GA Terminal to fit Hollywood ENERGETIC HPST (MULTE IN) Adapters.

15. Speaker Terminals

Connect your speaker or subwoofer to these terminals with proper polarity.

Minimum OFC speaker cable required 10GA, 8GA OFC strongly recommend.

Never short cut or connect cables with chassis ground, effect short circuit and damage amplifier.

⚠ CAUTION

Before attempting to make any connections to power supply, input and output connectors, make sure the amplifier is in OFF state. Check polarity of cables carefully as using reversed polarity will cause damage to amplifier. And to prevent power loss and overheating of wiring, always use the recommended wire gauges.

⚠ CAUTION

Installation of the amplifier should be done in the following steps:

1. Ensure that the ground is appropriate, then connect it to the amplifier.

2. Next step is to connect the +12V wire. Ensure all power terminals are used.

This cable has to be fused for safety precautions.

3. The final step is connecting the switched remote.

PANEL LAYOUT

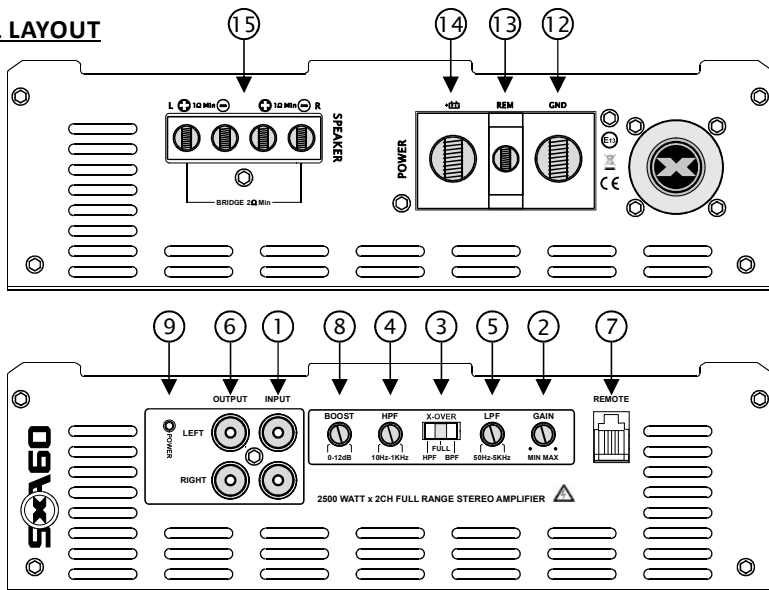


Fig 1. SXA60 amplifier panel layout

PANEL LAYOUT

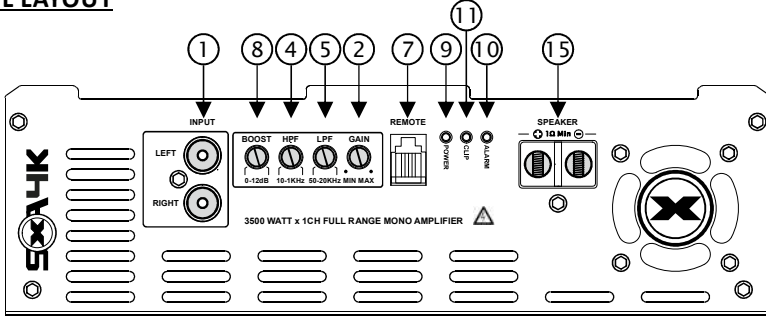


Fig 2. SXA4k amplifier panel layout

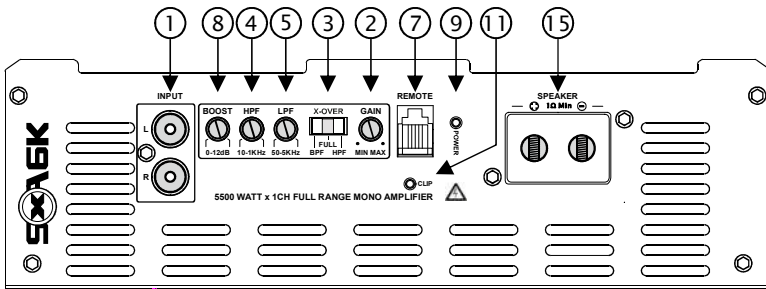
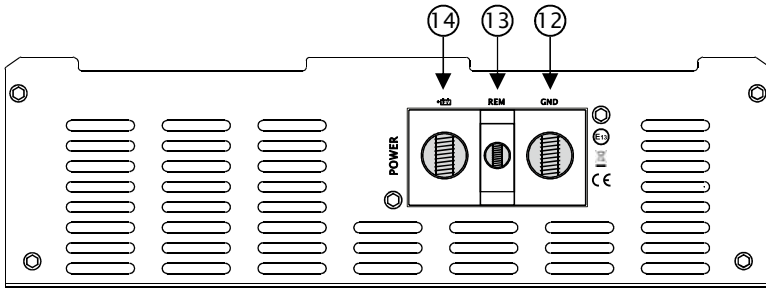
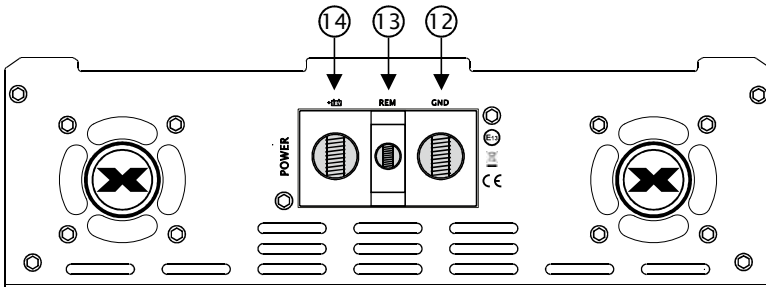


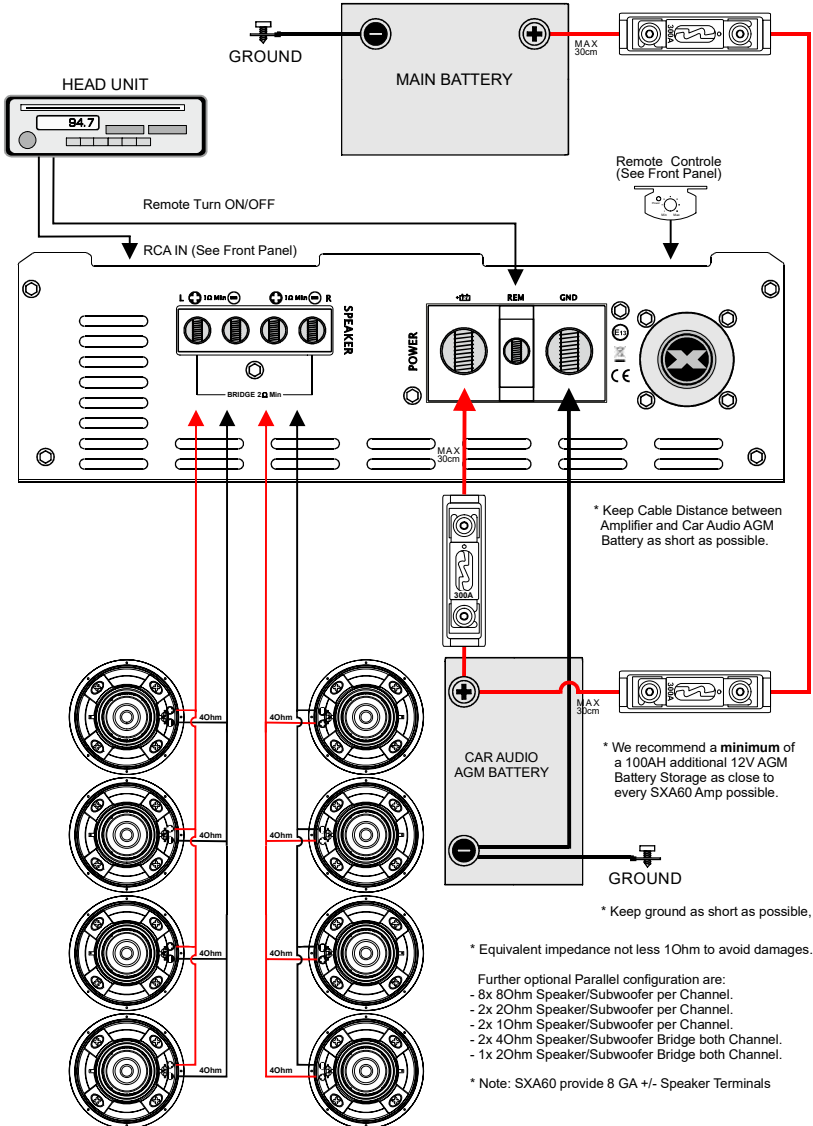
Fig 3. SXA6k amplifier panel layout



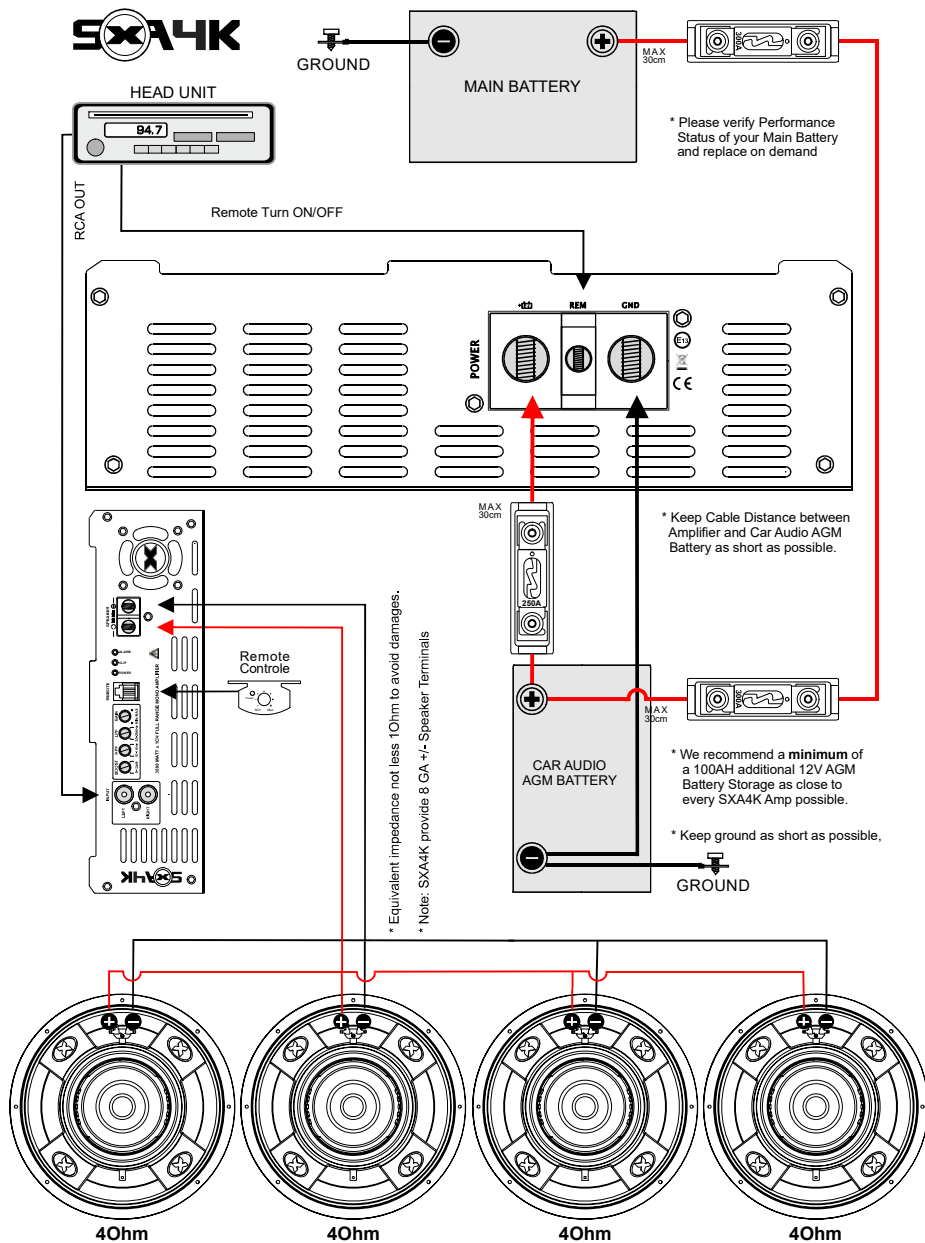
WIRING DIAGRAMM



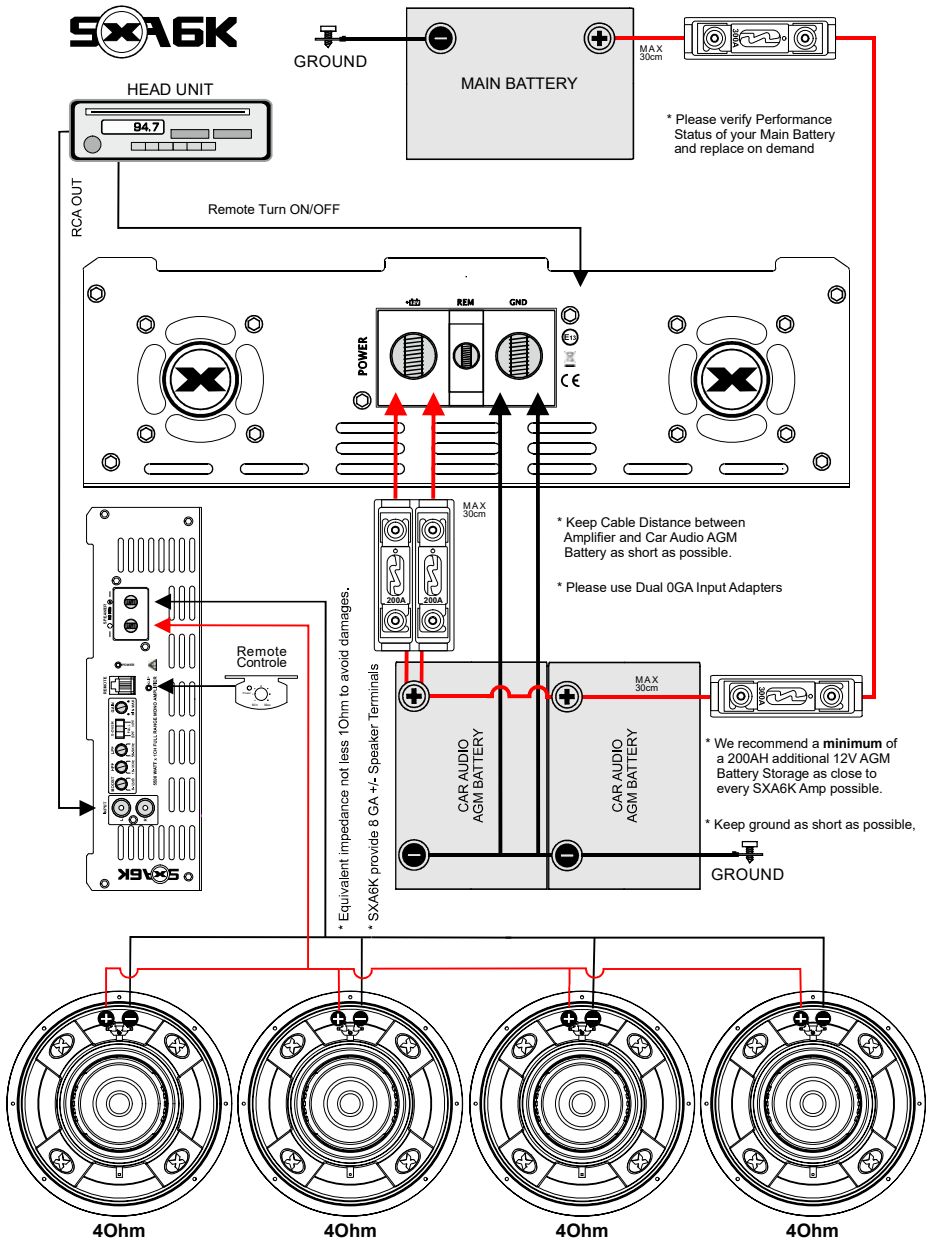
* Please verify Performance Status of your Main Battery and replace on demand



WIRING DIAGRAM



WIRING DIAGRAMM



INSTALLATION PRECAUTIONS

Before you install the amplifier, investigate your car's layout very carefully. Take special care when you work near the gas tank, fuel lines, hydraulic lines and electrical wiring. Before making or breaking power connections in your system, disconnect the vehicle battery. Confirm that your head unit or other equipment is turned off while connecting the input jacks and speaker terminals. If you need to replace the power fuse, replace it only with a fuse identical to that suggested by this manual. Using a fuse of a different type or rating may result in damage to your audio system or your amplifier which is not covered by warranty .

CONNECTING THE AMPLIFIER

1. Connect the amplifiers ground cable to a close, bare metal part of the frame or chassis. Use a nut and bolt! The ground cable must be at least the same size as the +12volt
2. Connect the remote terminal to remote output of the head unit using upper 16 gauge wire.
3. Connect the fuse holder within 15”(30cm) of the car battery, and run the selected cable from this fuse to the amplifier.
4. Connect all the inputs with high-quality cables. Connect Remote Control if necessary.
5. Insert fuse(s) into the battery fuse holder(s).

TROUBLE SHOOTING

Symptom	Possible Remedy
Amplifier will not power up	<p>Check to make sure you have a good ground connection.</p> <p>Check that there is battery power on the (+)terminal .</p> <p>Check all fuses, replace if necessary .</p> <p>Make sure that the Protection LED is not illuminated.</p>
Protection LED Comes on	<p>Check for short circuits on speaker leads.</p> <p>Check the speaker load not beyond the minimum load.</p> <p>Remove speaker lead, and reset the amplifier. If the protection LED still Comes on, then the amplifier is faulty and needs servicing .</p>
No output	<p>Check that the RCA audio cables are plugged into the proper inputs.</p> <p>Check all speakers wiring.</p> <p>Check the headunit output and the amplifier level setting.</p>
Low output	<p>Reset the level Control.</p> <p>Check the Crossover Control settings.</p>
High hiss in The speakers	<p>Check the RCA cable is not shorted to power ground at amplifier side.</p> <p>Check the amplifier grounding.</p>
Distorted sound	<p>Check that the Input level control is set to match the signal level of the head unit. Always try to set the Input level as low as possible.</p> <p>Check that all crossover frequencies are properly set.</p> <p>Check for short circuits on the speaker leads.</p>
Amplifier gets Very hot	<p>Check that the minimum load impedance for the amplifier model is correct.</p> <p>Check that there is good air circulation around the amplifier. In some applications, It may be necessary to add an external cooling fan.</p>



EXCURSION LIMITED WARRANTY POLICY

EXCURSION Intl. offers limited warranty on EXCURSION products under normal use on the following terms:

EXCURSION Amplifiers are to be free of defects in material and workmanship for a period of one year.

This warranty applies only to EXCURSION products sold to consumers by Authorized EXCURSION Dealers in Germany. Products purchased by consumers from an EXCURSION dealer in another country are covered only by that country's Distributor and not by EXCURSION Intl.

This warranty covers only the original purchaser of EXCURSION product. In order to receive service, the purchaser must provide EXCURSION with the receipt stating the consumer name, dealer, product and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Excursion`s discretion and will not be liable for incidental or consequential damages. EXCURSION will not warranty this product under the following situations:

- * **Amplifiers received with apparent rust or corrosion**
- * **Any evidence of liquid damage or exposure to excessive heat**
- * **Attempted repairs or alterations of any nature**
- * **Product that has not been installed according to this owner manual**

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. No person is authorized to assume for EXCURSION any other liability in connection with the sale of this product.

Please call prior your authorized EXCURSION dealer the product got purchased. In case they are not accessible call 0961-416-0420 for EXCURSION Customer Service. You must obtain an RA# (Return Authorization Number) to return any product to EXCURSION Intl. The RA number must be prominently marked on the outside of the shipping carton or the delivery will be refused. Please pack your return carefully! We are not responsible for items damaged in shipping. Return the defective product along with a copy of the original dated retail sales receipt, plus 10,- EUR for handling and diagnostic evaluation to:

EXCURSION Intl. - A Division of CHPW
Attn: Returns (RA#)
Neustaedter Str. 20
D-92685 Floss / Germany



...is all you need



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