



...is all you need



FXA PLUG & PLAY UPGRADE SERIES

CONGRATULATIONS !

You now own an EXCURSION PXA Plug & Play Series 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 PXA 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.

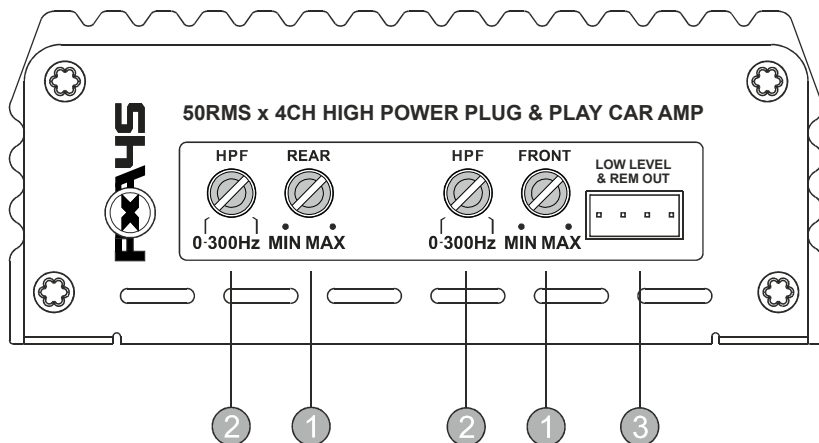
FEATURES

- MINI SIZED OEM PLUG & PLAY UPGRADE DESIGN
- DOUBLE SIDE PCB AND SMD COMPONENTS
- FULL RANGE CLASS D 2OHM STABLE
- HPF CROSSOVER FRONT & REAR
- HIGH/LOW CONVERTING + RCA OUT
- AUTO TURN ON/OFF + REM OUT
- UP to 8GA POWER CAP TERMINALS
- 1,8M 20 POL PLUG & PLAY HARNESS (opt.)
- HEAVY DUTY STACKABLE HEATSINK

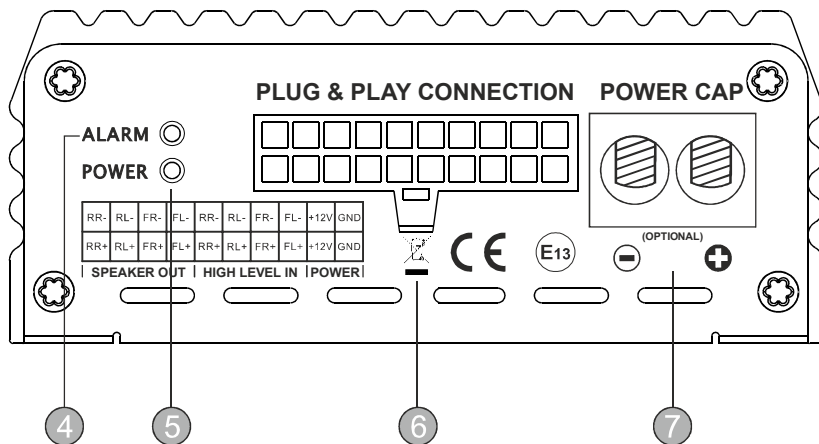
SPECIFICATIONS

Model	EXCURSION PXA 45	
Output Power	4Ω stereo, $\leq 1\%$ THD+N @14.4V	50W RMS x 4
	2Ω stereo, $\leq 1\%$ THD+N @14.4V	50W RMS x 4
Input Sensitivity	0.5 ~ 10 V	
Frequency Response	20 Hz ~ 50 KHz (-3dB)	
Input Impedance	100 Ohm	
HPF	VARIABLE FRONT	0 ~ 300Hz
	VARIABLE REAR	0 ~ 300Hz
S/N Ratio (A)	@ RATED POWER	90 dB
	@ 1W (CEA-2006)	75 dB
Amplifier Type	FRD - Full Range Class D	
Auto Turn ON/OFF	@ Plug & Play Mode	
Fuse Protection	20 A	
Max Current Consumption	30 A	
Components & PCB	SMD parts / double side pcb	
Source Voltage	14.4V (10V-16V)	
Weight incl. accessoires	1.8 kg	
Dimension(mm)		
Height	45	
Width	110	
Length	180	

FRONT PANEL LAYOUT



REAR PANEL LAYOUT



1. Level Controls for Input Sensitivity (GAIN)

The amplifier can receive High Level Audio Signal Input Range from 0.5V to 10V from the Audio Source unit. Please adjust the GAIN Level of Front and Rear Channels separately to ensure they match the Audio Source Output Level.

Note: GAIN control is not to compare with the Volume control of the Audio Source Unit. The appropriate INPUT Signal Level to the PXA 45 amplifier is the guarantee of perfect audio quality. A proper guide to adjust GAIN is to turn off the GAINs first step. Next turn up the Volume control of the Audio Source aprox to 90%. Finally turn up the GAINs to your maximum choice of output Level without distortion. Assure mind damage of your Loudspeakers and your listening abilities.

Caution: Excessive output Level can damage Loudspeaker and result in distorted sound.

2. High Pass Filter (HPF)

This knob controls the input frequency range for amplification. Therefore you can cut out the bottom frequency with a range from 0Hz to 300Hz ahead of amplification for a limited Output Signal.

Note: The bottom frequency range ever effect into most stress to the amplifier and loudspeaker. Cutting bottom frequencies ahead amplification increase the energetic balance and longlife of your Equipment while the Distortion of Sound get decreased and higher output Levels are possible.

EXCURSION SMART OEM Upgrade Concept recommend PXA 45 Amplifier with PXA B8 active underseat Subwoofer for a perfect audio quality even of the bottom frequency range.

3. Subwoofer RCA PRE Output and REM Output Signal

Via the included interface the EXCURSION PXA 45 provide a PRE Low Level Signal for the PXA B8 underseat Subwoofer or EXCURSION SXA or HXA MONO Amplifiers as well other Power Amplifiers. At same time it can provide a 12V REM TURN ON/OFF Signal for proper function of all Amplifiers.

Note: The most common way of installation within our recommendation will be, via the 1,8m 20 Pole ISO Harness, at the front underseat location of car. Therefore, for this short distance, is only a RCA Male Adapter demanded to the EXCURSION PXA B8 underseat Subwoofer.

4. ALARM (Protection Indicator)

The ALARM LED indicator will light up and flash if there is fault presented to the amplifier, like short circuit, overheat or under voltage protection and the amplifier will stop working.

5. POWER (Working Indicator)

The amplifier will go into normal working status after complet self-check and light up LED indicator.

6. Connection of EXCURSION PXA with the Car Audio Source (Picture see Page 5)

(Please use our professional EXCURSION 20 Pole Plug & Play Harness, which is optional)

1. Male Connector will be plugged into the car Harness, which has been disconnected ahead.
2. Female Connector will be plugged into the Audio Source unit.
3. 20 Pole Connector will be plugged into the EXCURSION PXA 45 Amplifier

7. POWER CAP (acity)

Within EXCURSION SMART OEM Upgrade Concept we focus to the basic handicap of all kind of Plug & Play installation = limitation of the Power and Ground cable wiring. Too small diameter of the Power Cable effect into losses of voltage at higher consumption demands. Less Voltage effect direct into losses of Power and Sound Quality with much higher Distortion of the Signal. Especially in challenge with all kind of music material every amplifier need stable power supply to perform at its best fine and rough dynamic according the origin recording without distortion.

In order to perform at its best quality we recommend to hook up at all kind of Plug & Play installs an extra Power Capacity. This local Energy Storage provide quick impulsiv discharge power supply while continous stable recharging of the Capacity Storage via the Plug & Play harness is possible. The Power Capacity Storage follow in size the total consumption. Sure increase in case further PXA B8 underseat subwoofer or Power Amplifiers get distribut connected via the CAP Terminal.

Note: Optional Power Capacities are recommend in short distance with 12Volt Caps & AGM Batteries.



Installation:

- (A.) Please prepare sufficiently to layout car space before installation
- (B.) The temperature of heatsink surface will reach up to 80°C with continuously working status. Do make sure that there is enough space between amplifier and other thermo sensitive components in the car, like plastic and electronic parts.
- (C.) Please take care insulated cables to avoid damages when cables pass trough metal, rubber and plastic. Do not pull the cable too tight during installation.
- (D.) Avoid perforations on gas tank, Fuel or hydraulic lines, as well electrical wiring ect.
- (E.) Please use the fuses as required to avoid the damage of the amplifier.

Trouble Shooting

Symptom	Possible Remedy
Power LED off	<ul style="list-style-type: none"> ● Check the connection of wiring harness ● Check if the original audio source is connected well or volume is too low ● Check all fuse on amplifier
No Output (Power LED on)	<ul style="list-style-type: none"> ● Check volume control on the original audio source ● Check GAIN regulator on amplifier ● Check the connection of wiring harness ● Check speaker cable and connections
Amplifier switches on and off	<ul style="list-style-type: none"> ● Check the connection of wiring harness ● Balance regulator of original audio source do not set in middle ● Speaker of this channel is damage
Amplifier switches on and off	<ul style="list-style-type: none"> ● Check the connection of wiring harness ● Low voltage from battery ● Check if original audio source volume is too low
Distorted Output	<ul style="list-style-type: none"> ● Original audio source gain set too high ● Amplifier gain set too high ● Speaker(s) blown
No Output (Protect LED on)	<ul style="list-style-type: none"> ● Speaker is short circuit or damage ● Amplifier is over temperature ● Amplifier overloaded ● Battery is low voltage



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

EXCURSION - A Division of CHPW

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