



...is all you need



HXA MODULAR MONO SERIES

CONGRATULATIONS !

You now own an EXCURSION HXA Modular 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 _____

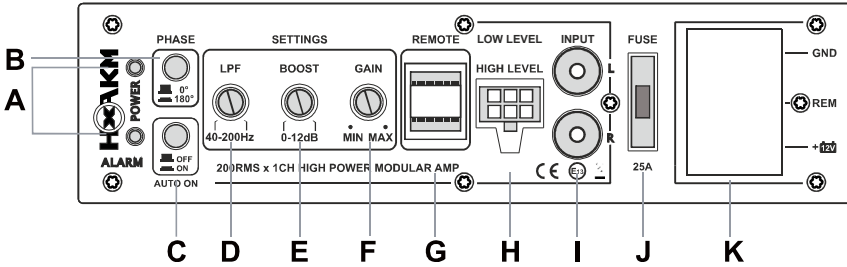
At EXCURSION Intl. we are confident you will have many years of outstanding enjoyment from your high performance investment. For maximum performance we recommend that you have your new EXCURSION HXA Amplifier installed by an exclusive Authorized EXCURSION Dealer

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.



A. POWER STATUS LED

This bio-color LED glows green when power is on and no problems are present. If one of the protection circuit comes on, it will change to red.

B. PHASE SHIFT

Use this switch to help compensate for time alignment problems in the system. Such problems usually result from having the subwoofer at a different distance from the listener than the other speakers in the system.

C. AUTO POWER ON

The AUTO POWER ON(ON/OFF) is for high level (speaker-level) connections. When the switch is in the "ON" position, the subwoofer AUTO POWER ON when there is signal input. If the amplifier detected no signal input, the amplifier will auto turn off. If you prefer to use the remote turn on/off connection, the switch is in the OFF position.

Note: Please connect the remote terminal to the remote output of head unit as Fig.4. When you hear the unit turn ON/OFF POP noise from the subwoofer.

D. LOW PASS FILTER

This control permits you adjust the frequency range you want the subwoofer amplifier to receive. The subwoofer will reproduce all sound BELOW the frequency you set.

Note: The low pass filter frequency can be higher or lower than the standard. There have +/-20% tolerance.

E. BASS BOOST

The BASS BOOST feature will increase the sound level in the bass frequencies.

F. INPUT GAIN CONTROL

After you have installed your system, turn this control to minimum.

Turn the head unit on (and the subwoofer will turn on via the remote connection). Turn the head unit volume to about 2/3 full level.

Slowly turn up the subwoofer input gain control until you hear a small amount of distortion. Then reduce the level until the distortion is completely gone. Level the control at this setting.

G. REMOTE LEVEL CONTROL

Attach the included remote level control to control the volume level of the subwoofer independently.

H. HIGH LEVEL (speaker low) INPUTS

If your head unit does not have RCA outputs you can use the speaker outputs for the audio source for the subwoofer. Use the supplied cable and wire harness and connect the outputs properly as shown in the connection diagram in this manual.

I. LOW LEVEL RCA INPUTS

Low level inputs are the recommended way to introduce the audio signal to the subwoofer if RCA outputs are present on your head unit or other signal source (such as a sound processor).

J. FUSE

Do not use a fuse with a different value and NEVER replace the fuse with a wire or coin.

K. POWER INPUT TERMINAL

Fig.1 Low Level Input Wiring

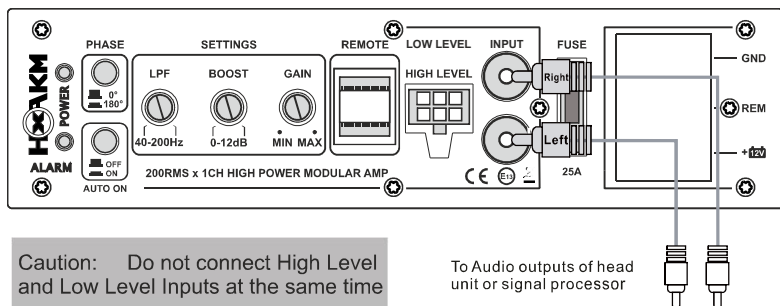


Fig.2 High Level Input Wiring

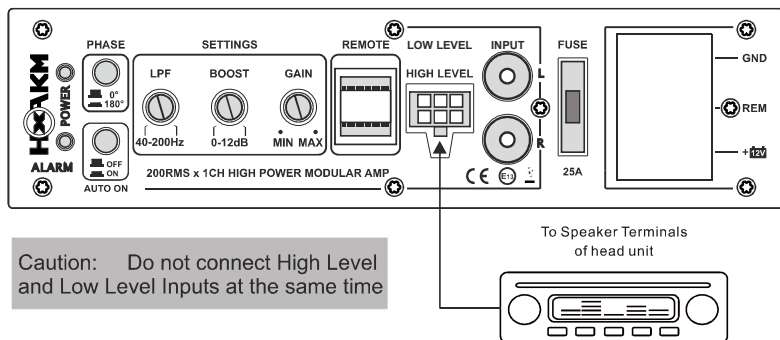


Fig.5 Remote Level Control Connection

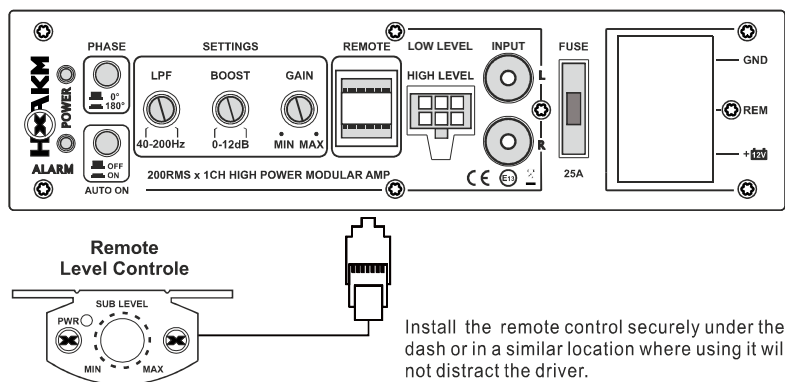


Fig.3 Power Connections

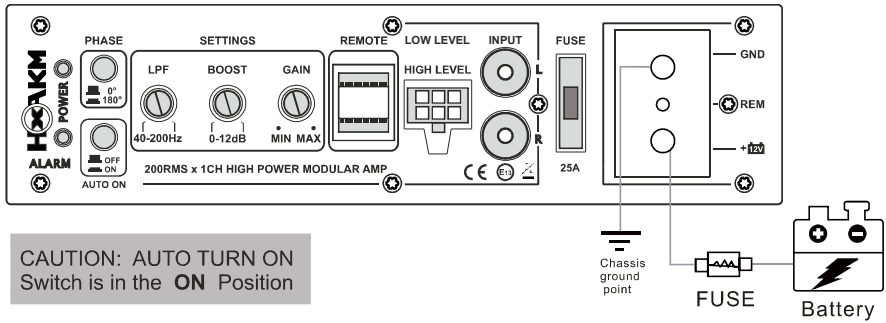
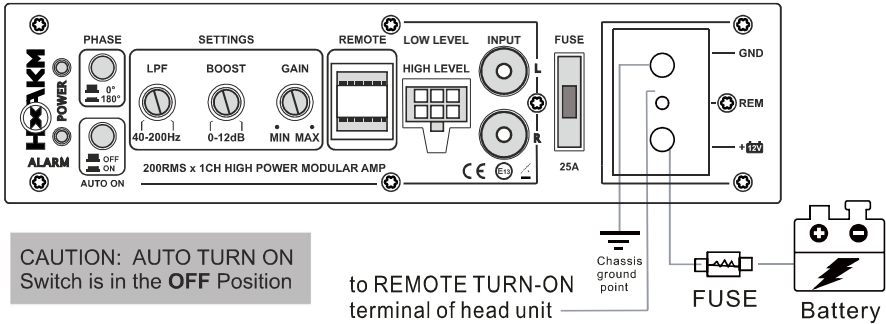


Fig.4 Power Connections



Specifications

RMS power	120W @ 4Ohm
RMS power	200W @ 2Ohm
THD	<0.4%
Signal-to-noise ratio	>90dB
Frequency response	20Hz - 300Hz
Input sensitivity, high level	1.0 - 12.0 Volt
Input sensitivity, low level	0.3 - 4.5 Volt
Low Pass Filter	40Hz - 200Hz
Bass Boost	0dB to +12dB
Subsonic Filter	20Hz Fixed
Fuse rating	25A

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



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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Friedrich-Ebert-Str. 42 - D-92637 Weiden / Germany

Tel: (+49) 961-416 04 20 - Fax: (+49) 961-46 04 41

