

# AMC XP/XPi

## Stereo Preamplifier

*XP with 1U Rack Mount, XPi without*



IA

AMC

HI/EC products with 25 year LIFE USING MODULE E concept

ATTENTION: POUR PREVENIR LES CHOCES ELECTRIQUES, NE PAS UTILISER CETTE PRISE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT SAUF SI LES LAMES PEUVENT ETRE INSEREES A L'INTERIEUR EN LAISSANT AUCUNE PARTIE FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVRIR.

PRECAUCION: PARA EVITAR SACUDIDAS ELECTRICAS, NO DEBERA UTILIZARSE ESTA CLAVIJA POLARIZADA CON UN CORDON DE PROLONGACION, RECEPTACULO U OTRO TIPO DE SALIDA A MENOS QUE SE HAYAN INSERTADO COMPLETAMENTE LAS LENGUETAS PARA EVITAR SU EXPOSICION.

NOTE: Some AMC products are equipped with dual or multi-voltage transformers (which is indicated on the back panel). If you wish to change the voltage, please contact your dealer or an authorized AMC service technician for internal conversion.

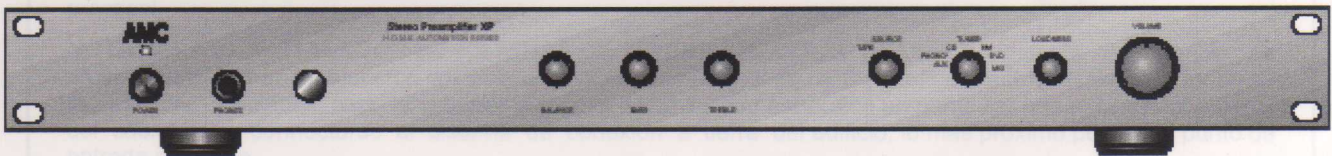
ATTENTION: Quelques pieces AMC sont munies de transformateurs a double ou a multi-voltage (indique sur le panneau arriere). Si vous voulez changer le voltage, veuillez contacter votre fournisseur ou fournisseur de AMC pour le transformer.

ZUR BEACHTUNG: Einige AMC Gerate sind mit Umwandlern für unterschiedliche Netzspannungen ausgerüstet (Ein Vermerk auf der Rückseite weist dies an).

Die Anpassung, wenn notwendig, muß von einem qualifizierten Techniker in einer AMC Servicestation vorgenommen werden.

NOTA: Ciertas componentes de AMC están dotados de transformadores de doble tensión o de varias tensiones (lo que se indica en el panel posterior). Si se desea cambiar la tensión, sírvase llevar el aparato a un técnico autorizado por AMC para su conversión interna.

NOTE TO CATV systems installed: This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as



INSTRUCTIONS FOR INSTALLATION AND OPERATION



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



AFIN DEVIETER UN CHOC ELECTRIQUE ET LES CONSEQUENCES GRAVES QUI POURRAIENT EN RESULTER, TENTEZ PAS D'OUVRIR L'APPAREIL ET DE TOUCHER AUX COMPOSANTS INTERNES SANS LA PRESENCE D'UNE PERSONNE QUALIFIEE.



PARA REDUCIR EL RIESGO DE SACUDIDAS ELECTRICAS, NO DEBERA QUITARSE LA TAPA (NI PARTE POSTERIOR). CONSULTESE AL PERSONAL CAPACITADO PARA LAS REPARACIONES INTERNAS.

**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

**ADVERTENCIA:** PARA EVITAR EL RIESGO DE INCENDIO O SACUDIDA ELECTRICA, NO DEBERA EXPONERSE ESTE APARATO A LA LLUVIA O HUMEDAD.

**CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARISED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE..

**ATTENTION:** POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SILES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

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**ATTENTION:** Quelques pièces AMC sont munies de transformateurs à double ou à multi-voltage (indiqué au panneau arrière). Si vous voulez changer le voltage, veuillez apporter votre appareil au fournisseur de AMC pour le transformer.

**ZUR BEACHTUNG:** Einige AMC Geräte sind mit Umschaltern für unterschiedliche Netzspannungen ausgerüstet (Ein Vermerk auf der Rückseite weist darauf hin).

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**NOTA PARA EL INSTALADOR DE ANTENAS DE TELEVISION COLECTIVAS:** La presente advertencia se provee para llamar la atención del instalador al Artículo 820-22 de NEC (Código Eléctrico Nacional) donde se facilitan las directrices para la pertinente puesta a tierra y que especifica en particular que el conductor a tierra del cable debe conectarse al sistema de conexión a tierra del edificio, lo más proximo posible al punto de entrada del cable.



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of "uninsulated" dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# INTRODUCTION

The AMC™ stereo preamplifier XP and XPi offer, in an innovative and elegant design, an affordable combination of high quality sound reproduction and comprehensive facilities.

The preamplifier accepts six inputs (Phono/Aux, CD, Tuner, Multimedia, DVD and Tape) and has full tape monitoring capabilities.

To get the best from your preamplifier please study this manual carefully. Should you experience any problems, please discuss with your dealer who has full knowledge of AMC products for uses in a variety of systems or you can get in touch with AMC International through services on AMC Web page <http://www.amchome.com>

# INSTALLATION

Your AMC preamplifier is set to work on your local main supply voltage. Check that your local mains supply voltage agrees with the voltage setting indicated on the back panel of the preamplifier. If it is not, please contact your dealer or national distributor (you can check details info of national distributor on AMC Web page <http://www.amchome.com>) for details on how to proceed further.

The cores of the mains lead are colored in accordance with the following code:

Blue                -Neutral

Brown              -Live

Note: Export units for certain markets have molded mains plugs fitted as standard.

As the colors in the mains lead may not correspond with the colored markings identifying the terminals in your plug, process as follows:

The wire, which is colored blue, must be connected to the terminal, which marked, by the letter N, or colored black or blue. The wire, which is colored brown, must be connected to the terminal, which is marked, by the letter L, or colored red or brown.

# FUSES

If the mains plug is fused, fit a 3 amp fuse. Your AMC preamplifier contains fuses, which are designed to protect the preamplifier and prevent the unit from the occurrence of a dangerous fault condition. These should only be inspected and replaced by a competent engineer using the correct replacement types.

# FEATURE

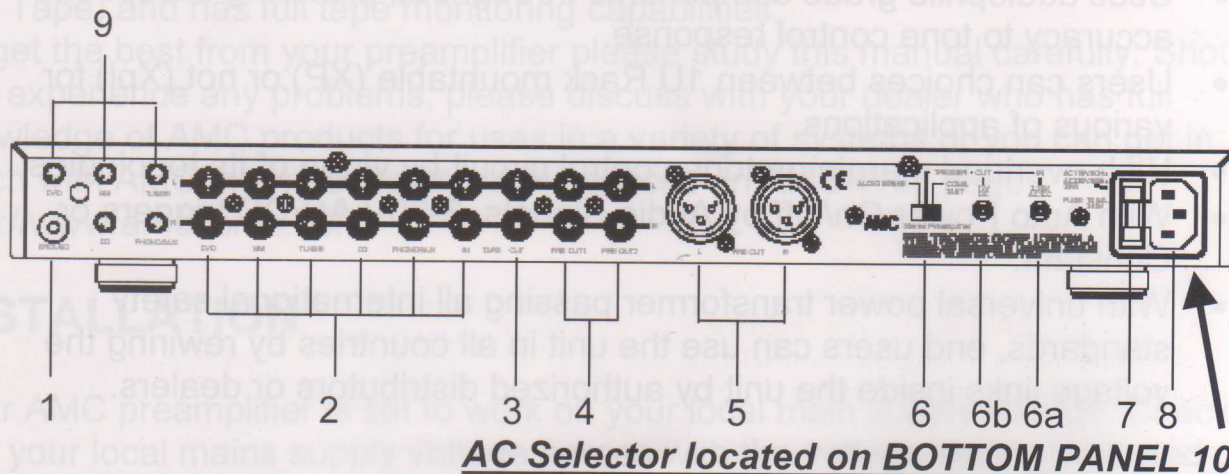
- Features Input "MIX" mode: Installed with mixing circuitry specially designed for Multimedia applications. End users can use the MIXING FEATURE to listen to music or program from Phono/Aux, CD, Tuner or DVD, at the same time working on computer (Connect sound card outputs

to multimedia inputs). All will come out simultaneously from the same pair of speakers with the best possible sound quality.

- Adjustable Input Sensitivities for all Inputs
- With True Balanced Outputs for PA applications or applications require balanced outputs.
- Special designed passive Tone control circuit to give natural sound quality.
- Uses audiophile grade components throughout, providing exceptional accuracy to tone control response.
- Users can choices between 1U Rack mountable (XP) or not (Xpi) for various of applications.
- High overload margin on tone control circuit by virtue of its topologies.
- With Auto Power On/Off by Audio Signals, 3-30V AC/DC triggers or Constant.
- With universal power transformer passing all international safety standards, end users can use the unit in all countries by rewiring the voltage links inside the unit by authorized distributors or dealers.

# REAR & BOTTOM PANEL CONNECTIONS / FRONT PANEL CONTROLS

## REAR PANEL

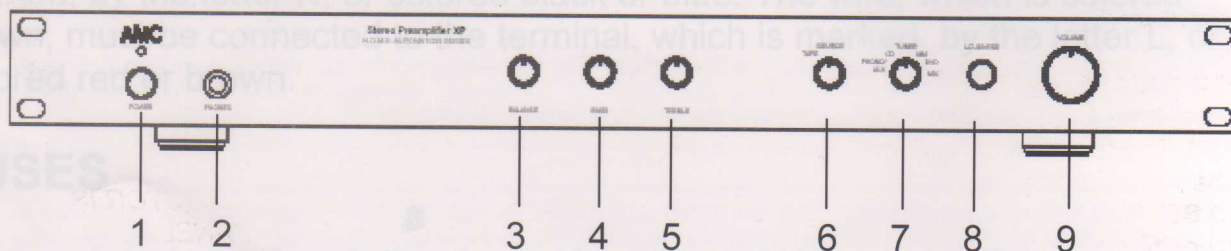


**AC Selector located on BOTTOM PANEL 10**

- 1. GROUND TERMINAL (Ready for Phono)
- 2. INPUTS
- 3. TAPE OUTPUT
- 4. PRE OUT1/PRE OUT2
- 5. XLR BALANCED PRE OUT3

- 6. AUTO ON/OFF SWITCH
- 6a. 12V DC TRIGGER OUT
- 6b. 3-30V AC/DC TRIGGER IN
- 7. FUSE
- 8. AC RECEPTACLE
- 9. MIX INPUT SEN. CONT.
- 10. AC Selector (115V or 230V)  
(On bottom panel)

## FRONT PANEL



- 1. POWER SWITCH
- 2. PHONES
- 3. BALANCE CONTROL
- 4. BASS CONTROL
- 5. TREBLE CONTROL

- 6. TAPE MONITOR SWITCH
- 7. INPUT SELECTION SWITCH
- 8. LOUDNESS SWITCH
- 9. VOLUME CONTROL

## REAR PANEL CONNECTIONS

### 1. GROUND TERMINAL (READY FOR PHONO)

If your LP turntable is equipped with a grounding wire, connect it to this terminal.

### 2. INPUTS: DVD, MULTIMEDIA, TUNER, CD, PHONO/AUX (READY FOR PHONO), TAPE IN

These inputs are for connection to Audio/Video products via RCA Jacks.

### 3. TAPE OUTPUT

The output is for recording and is controlled by the SOURCE/ TAPE Switch on the front panel.

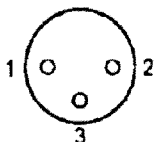
### 4. PRE OUT1 / PRE OUT2

Connecting to an external power amplifier or processor, such as a surround-sound decoder. Use a twin RCA-to-RCA cable to connect to the left and right Line Inputs of the power amplifier or processor from the PRE OUT connectors.

### 5. XLR Balanced PRE OUT3

These two connectors are balanced outputs of the preamplifier with XLR connector for Professional Audio applications or applications require balanced connections for much better S/N ratio and sound quality.

Pin	Signal
1	GND
2	+
3	-



XLR-Male(Output)

### 6. AUTO ON/OFF SWITCH

There are three positions of the AUTO ON/OFF SWITCH. The functions of each position are described as following:

#### AUDIO SENSE

At this position XP / XPi will be turned on or off automatically depending on the level of audio signal inputs to XP / XPi. With audio signal higher than 10 mV connected to any of the five inputs of XP / XPi, the XP / XPi will be automatically turned on. The XP / XPi will be kept on until the absence of audio signal or the level of audio signal lower than 10mV for around 5 minutes. The XP / XPi will then get into stand-by mode.

Note: When the switch is set to AUDIO SENSE position, the XP / XPi is designed to be turned on when the AC line cord is plugged into to the AC outlet at the first time even there is no audio signal to any XP / XPi input. However, if the absence of signal is longer than 5 minutes, XP /

XPi will be automatically turned to stand-by mode for power saving.

#### TRIGGER

##### Trigger in 3-30V AC/DC (6a)

The XP / XPi can be turned on automatically when a trigger voltage is received from another component. The trigger voltage range required to turn the XP / XPi on is AC or DC voltage between +3V to +30V and requires only 0.2mA of current.

##### Trigger out 12V DC (6b)

When XP / XPi is turned on it will automatically provide a trigger out of 12V DC voltage. It is provided as a convenience so you can "daisy-chain" the trigger voltage to turn on other components. The trigger out will be cut off when XP / XPi is in stand-by mode.

#### CONSTANT

With this position the XP / XPi will be turned on or switched off by its master power switch on front panel. NOTE: The bi-color power LED above the power switch indicates the power status of the unit. The RED led will be lit up when the XP / XPi is in stand-by mode. The GREEN led will be lit up when power of XP / XPi is ON.

### 7. FUSE

Primary Fuse is located here.

### 8. AC RECEPTACLE

The AC RECEPTACLE is for you to plug in with power cord attached in the packing or you can plug in with other power cord with your preferences.

### 9. MIX INPUT SENSITIVITY CONTROLS

Under Mix position of input selecting switch, the input sensitivities (the level of input signal needed for given output level) of five inputs (DVD, Multimedia, Tuner, CD and Phono/Aux) can be adjusted individually using these controls. Adjusting the sensitivities avoids different levels between sources mixed together. And so you can get best balance between all signal sources.

### 10. AC Selector (115V or 230V)

*PLEASE NOTE THE AC SELECTOR IS LOCATED ON BOTTOM PANEL.*

The AC Selector will be set to the AC Power voltage of your country from factory. But in case if your XP / XPi is not received directly from factory or you move from one country to the other, the AC selector might set at different voltage. So, before plug power cord into your wall AC outlet, please always check if the Voltage selector set to the voltage of the country you will use XP / XPi or not and set to correct voltage. When the AC Selector set to 115VAC, the XP / XPi can be used in countries with AC Power Voltage between 110V and 120V. When the AC Selector set to 230V, the XP / XPi can be used in countries with AC Power Voltage between 220V and 240V.

