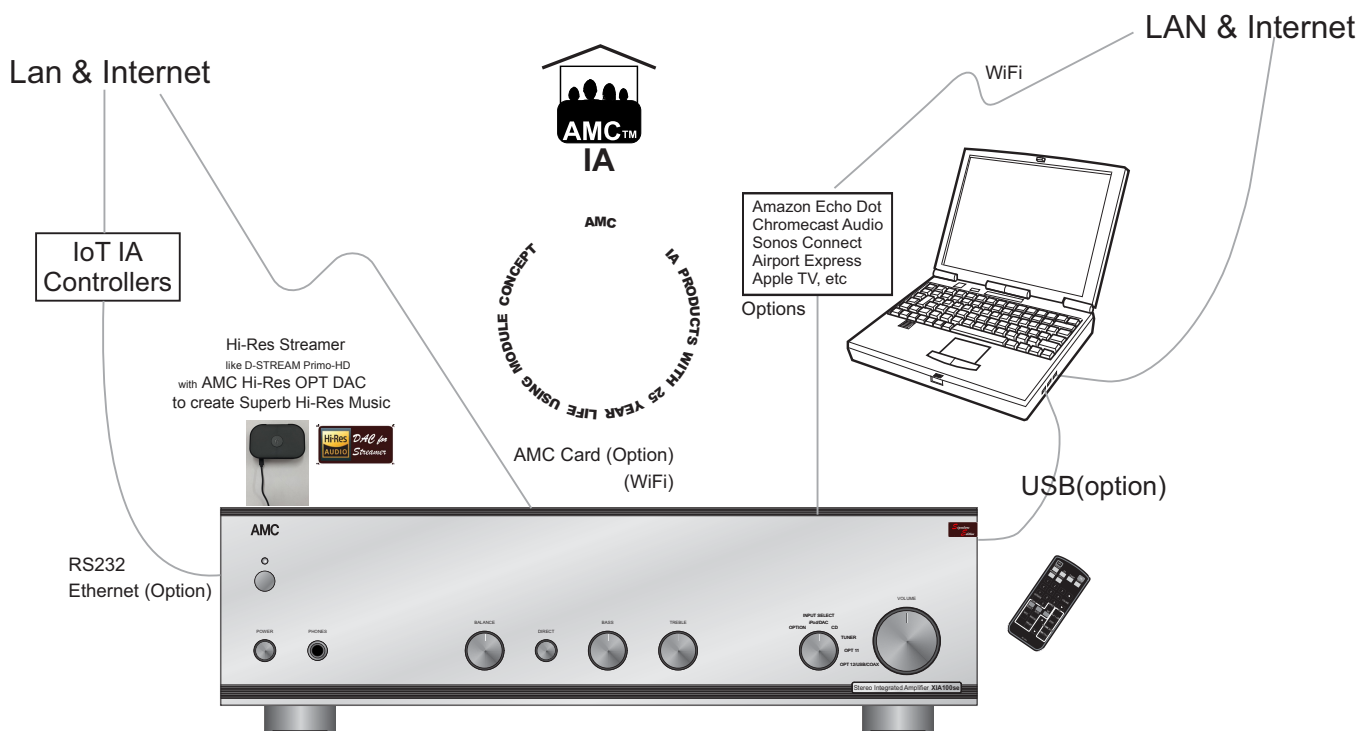




AMC XIA100se XIA150se STEREO INTEGRATED AMPLIFIER

Option Digital in & Optical/Coaxial,
USB, Ethernet, AMC Card, Tuner Module



9 Inputs
 OPTION (Phone/Coax/Opt)
 iPod / DAC
 CD
 Tuner
 OPT11
 OPT12 /USB/COAX
 Main in
 DAB+ / FM+ Antenna (option)
 AC Receptacle

3 Outputs
 Preout
 DAB+ / FM+ Audio Output
 (option)
 Speakers

4 Interfaces
 RS232
 Ethernet (option)
 AMC Card (option)
 USB (option)

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 DEVI TER 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.

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 INSERTASO COMPLETAMENTE LAS LENGÜETAS 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 bring your unit to an authorised AMC service technician for internal conversion.

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).

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

NOTA: Ciertos 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, sírvanse llevar el aparato a un técnico autorizado por AMC para su conversión interna.

NOTE TO CATV systems installer: 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 practical.

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 Integrated Amplifier XIA100se/XIA150se offers, in an innovative and elegant design, an affordable combination of high quality sound reproduction comprehensive facilities.

The receiver accepts nine inputs (Option, iPod / DAC, CD, Tuner, OPT11, OPT12 / USB, Main in, AC Receptacle).

To get the best from your receiver please study this manual carefully. Should you experience any problems, please discuss with your dealer who has a full knowledge of AMC products for uses in a variety of systems.

INSTALLATION

Your AMC Amplifier is set to work on your local mains supply voltage. Check that your local mains supply voltage agrees with the voltage setting indicated on the back panel of the amplifier. If not, please contact your dealer or national distributor 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, proceed as follows:

The wire which is colored blue must be connected to the terminal which is 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 5 amp fuse. Your AMC receiver contains fuses which are designed to protect the amplifier 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

*The high overload tone control stage can be completely by-passed with the DIRECT switch to give natural sound quality.

*Special designed passive Tone control circuit to give natural sound quality.

*Uses audiophile grade components throughout, providing exceptional accuracy to tone control responses.

*High overload margin on tone control circuit by virtue of its topologies.

*Power amplifier with 30 Amp high peak output current devices to offer capabilities to drive almost all types of speaker systems.

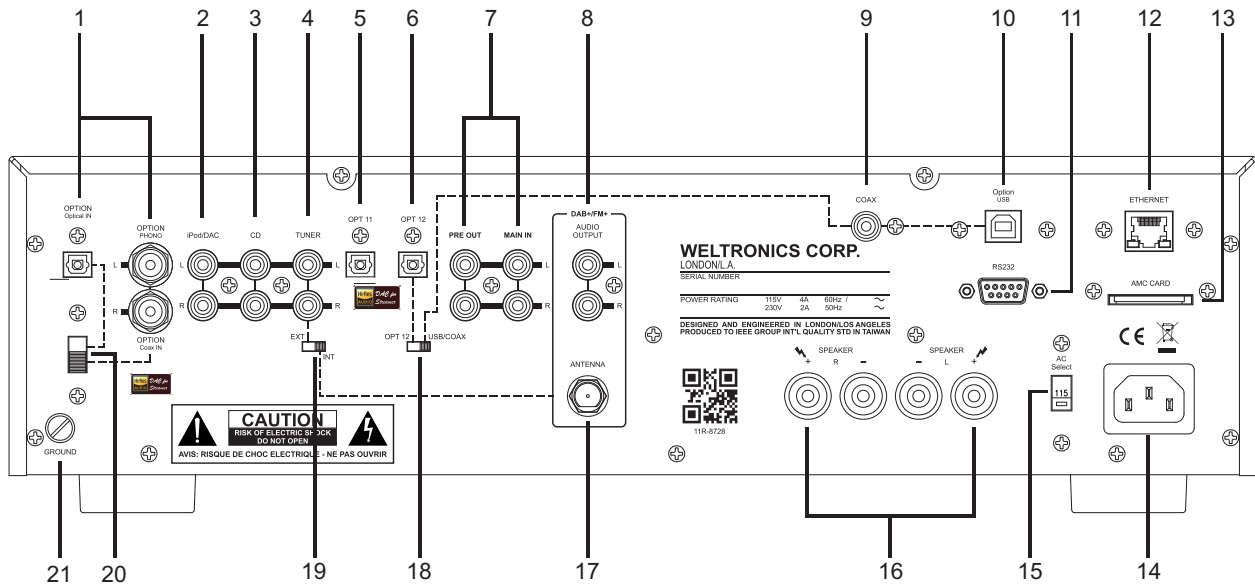
*Using high output current devices with optimized power supply designs, the power amplifiers can be only protected with fuses on power supplier side in order to deliver extremely high output current in demand to give superb sound quality.

*With universal power transformer passing all international safety standards, end user can use the unit in all countries by Selecting "AC Selector" on rear Panel.

*Heavy duty gold-plated speaker binding posts and phono connectors for ultra reliable connections.

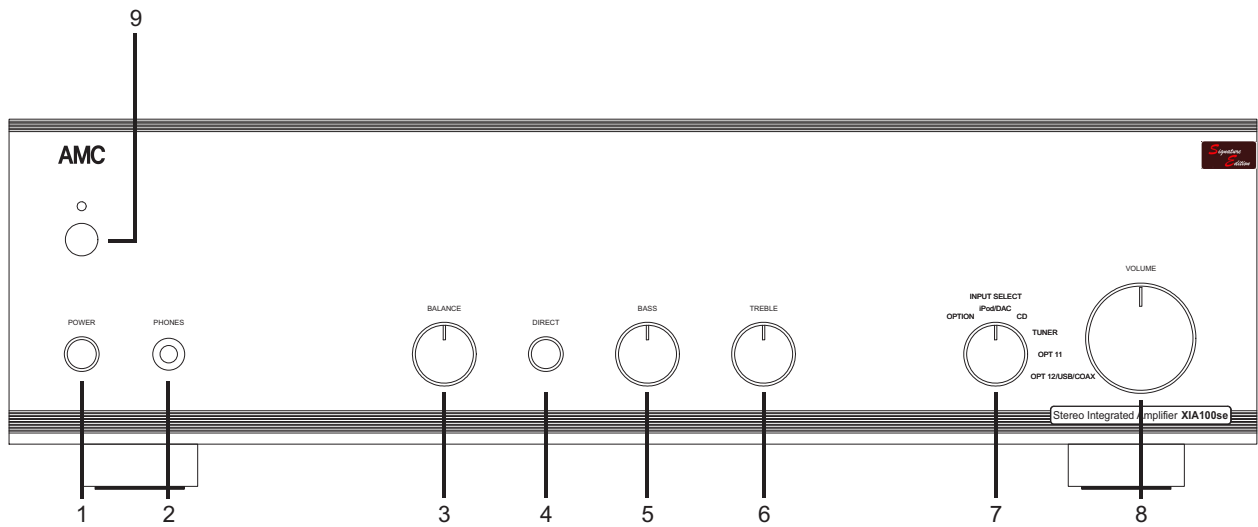
*Toroidal power transformer with thermal protection switch.

REAR PANEL CONNECTIONS



- | | |
|---|---|
| <ol style="list-style-type: none"> 1. OPTION INPUT (PHONO, Coax, Optical) 2. iPod/DAC INPUT 3. CD INPUT 4. TUNER INPUT 5. OPT 11 INPUT 6. OPT 12 INPUT 7. PRE OUT/MAIN IN 8. AUDIO OUTPUTS (L & R) - DAB / DAB+ / FM+ 9. COAX INPUT 10. USB (Option) (Replacing COAX) | <ol style="list-style-type: none"> 11. RS232 12. ETHERNET (Option) 13. AMC CARD (Option) 14. AC RECEPTACLE 15. AC Select (115V or 230V AC) 16. LOUDSPEAKER TERMINALS 17. ANTENNA - DAB / DAB+ / FM+ 18. OPT 12, USB / COAX SWITCH 19. EXT / INT TUNER SWITCH 20. Coax / Optical SWITCH 21. PHONO GROUND TERMINAL |
|---|---|

FRONT PANEL CONTROLS



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

6. TREBLE CONTROL
7. INPUT SELECTOR
8. VOLUME CONTROL
9. INFRARED RECEIVER

REAR PANEL CONNECTIONS


INPUTS

All audio Inputs are via gold plated RCA type phono connectors. All the sockets on your AMC amplifier are marked "L" for left and "R" for right channels, with the left channels nearer the top of the cabinet. Your connection leads will have a white or black plug for left, and a red plug for right.

1. OPTION INPUT (PHONO, Coaxial, Optical IN)

PHOTO INPUT

The input is suitable for moving magnet (MM) or Moving Coil (MC) cartridges. To switch between MM & MC, please open top cover and switch the MM/MC switch on PHONO Module to the position you will like to select. The PHONO Module is located behind OPTION INPUT RCA Jacks fixed to the side chassis. The plugs on your turntable lead should be connected to the Phono input sockets on the rear panel of your X8 Stereo Receiver.

 **Hi-Res Coaxial/Optical INPUT**
AMC 24bit/192KHz DAC Module, MD1108s, can replace PHONO module to have Extra digital input for X8.

The Coaxial/Optical switch can select digital source.

2. iPod/DAC INPUT

The iPod/DAC input is suitable for use with any iPod/DAC player. Connect your iPod/DAC using the RCA sockets marked iPod/DAC.

3. CD INPUT

The CD input is suitable for use with any CD player. Connect your CD player to the receiver using the RCA sockets marked "CD".

4. TUNER INPUT

The Tuner input is suitable for use with most AM/FM, DAB+, Internet tuners. Connect your tuner to the receiver using the RCA sockets marked "TUNER".

5. OPT 11 INPUTS

The OPT 11 input is for connecting to digital OPTICAL source.

6. OPT 12 INPUTS

The OPT 12 input is for connecting to digital OPTICAL source.

7. PRE OUT / MAIN IN

Normally the preamplifier and power amplifier sections of this unit are connected together via factory-installed U-shaped metal jumpers that bridge the PRE-OUT and MAIN-IN jacks. Check to be sure that they are fully inserted into the jacks and that nothing is touching them.

By switching OFF the power and removing the metal jumpers, you can connect a signal processor such as a surround-sound decoder or an electronic crossover in the path between preamp and power amp. Connect a cable from PRE-OUT to the processor's input and a second cable from the processor's output to MAIN IN.

8. AUDIO OUTPUTS (L&R) - DAB/DAB+/FM+

Connect standard audio cables from the L and R output jacks to the Tuner inputs on your preamplifier or system controller. You may connect the audio outputs to any line-level inputs, even if the input isn't label "TUNER".

9. Hi-Res COAX INPUT

The COAX input is for connecting to digital Coaxial source.

10.USB (Option) (Replacing COAX) The USB feature is optional.

The USB connector is for connecting to computer, other equipments with USB, LAN and so the internet.

11.RS232 (Option)

X8 can be hooked to a control system through the RS232 connector to accept

commands from your system controller.
For details of RS-232 commands, please refer to the RS-232 appendix.

12. ETHERNET (Option)

13. AMC CARD (Option)

14. 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.

15. AC Select (115V or 230V)

For selecting correct voltage to be connected to AC receptacle 115V or 230VAC (50~60Hz). The AC select switch must be set to correct voltage or the X8 will not work or will be destroyed.

16. LOUDSPEAKERS TERMINAL

Your AMC X8 receiver is designed to drive loud-speakers with a nominal impedance of 4-8 ohms.

LOUDSPEAKER CONNECTIONS

The loudspeaker output terminals will accept 4mm (banana) plugs, spade connectors, pin connectors or bare wires. Connect the negative side(usually black) of your left hand loudspeaker lead to the black terminal of the two terminals marked "L" on the rear of your amplifier. The other side of your left hand speaker lead (the positive side or red) should be connected to the red terminal marked "L". Repeat this operation for the right hand loudspeaker.

Your AMC receiver is capable of generating high peak currents, commands from your system controller. all connections must be checked to avoid inadvertent short circuits and to ensure a good clean contact.

UNDER NO CIRCUMSTANCES SHOULD THE OUTPUTS BE SHORTED TOGETHER.

Such action will damage output circuitry and is not covered by warrantee.

17. ANTENNA - DAB/DAB+/FM+

There is DAB/DAB+/FM+ Antenna included with the AMC XTad. Please hook the Antenna into the F61 connector for starting to use the DAB/DAB+/FM+ module within the area with good signal level of DAB, DAB+ and FM+ signals. If the signal level is not good enough, please use 75 ohm RF cable with F59 connector to hook to the F61 Antenna input and connected to antenna or RF booster to stronger signal area or boost to acceptable level by RF booster.

18. OPT 12, USB / COAX SWITCH

The slide switch is for selecting between OPT 12 or USB / COAX input

19. EXT / INT TUNER SWITCH

The slide switch is for selecting between external tuner or internal tuner(DAB / DAB+ / FM+ Tuner)

20. Coax / Optical SWITCH

The slide switch is for selecting between Coaxial or Optical input.

21. PHONO GROUND TERMINAL

The Ground Terminal is for you to connect ground wire of your turntable in order to eliminate possible interference and hum loop for best possible sound quality.

HEATSINK / VENTILATION REQUIREMENTS

The heat produced by your AMC amplifier during normal operation is dissipated by an internal finned heatsink. It is perfectly normal for your amplifier to become quite warm and to radiate heat when in use, especially if it is run near full power. However, if it becomes too hot to touch, switch off at once and contact your dealer.

It is very important that there is adequate ventilation for the whole of the receiver. Do not place the unit on a rug or other soft surface that it could sink into, obstructing the air inlets on its underside, and take care not to obstruct the outlet grille on the top cover.

FRONT PANEL CONTROLS

1. POWER SWITCH

The receiver is turned on by depressing the power switch. The small indicator above the switch will glow blue. Before switching on, always set the volume control to Minimum to avoid damage to your loudspeakers.

Note: Your AMC receiver will play music almost immediately after being switched on. However, in common with other audiophile products, the internal circuits take some time to stabilize fully, and the best possible sound quality may not be obtained until the receiver has had some time (possibly an hour or two) to warm up.

2. PHONES

The headphone socket will accept any headphones fitted with a standard 1/4"(6.35mm) stereo jack plug. When Headphones are in use, the output will be cut and all the receiver functions will operate as normal.

3. BALANCE CONTROL

The Balance Control adjusts the relative levels of the left and right channels. A detent at the 12 o'clock position marks the point of equal balance. Rotation of the Balance Control to the right (clockwise) decreases the level of the left channel so that only the right channel is heard. Rotation to the left shifts the sonic image toward the left speaker.

Adjust the Balance Control to produce a natural spread of sound across the space between the speakers, with any monophonic sound (such as a radio announcer's voice) appearing as a phantom image centered midway between them.

Recordings often contain small errors in channel balance, typically no more than 2dB; but this is enough to degrade stereo

imaging. Small compensating changes in the setting of the Balance Control can significantly improve the depth and stability of the stereo image.

4. DIRECT SWITCH

When this button is pressed the Bass and Treble circuits are completely bypassed, restoring precisely flat frequency response. When this button is pressed again, the switch will be turned off, the tone controls, operate normally. By adjusting the tone controls and then switching them in and out of the signal path, you can evaluate their effect on the sound.

5. BASS CONTROL

The Bass Control adjusts the relative level of the low frequencies in the sound. The electrical response of the amplifier is flattest when the control is set in the detent or 12 o'clock position. Rotation of the knob to the right (clockwise) increases the level of low frequency sounds, and rotation counter-clockwise decreases their level. Adjust the Bass Control to achieve the tonal balance that sounds most natural to you.

6. TREBLE CONTROL

The Treble Control adjusts the relative level of the high frequencies in the sound. The response of the amplifier is flattest when the control is set in the detent or 12 o'clock position. Rotation of the Treble Control to the right (clockwise) increases the level of high frequency sounds, and rotation counter-clockwise decreases their level. Adjust Treble Control to achieve the tonal balance sounds most natural to you.

7. INPUT SELECTION

The rotary input selector switch selects which input signal (OPTION, iPod/DAC, CD, Tuner, OPT 11, OPT 12 /USB/COAX) is fed to the power amplifier.

8. VOLUME CONTROL

The volume control adjusts the overall loudness level of the sound. The volume control is designed for accurate tracking of its two channels, so that the stereo balance will not shift noticeably as the loudness of the sound is varied.

9. INFRARED RECEIVER

The infrared receiver for receiving the infra-red signals from your remote handset.

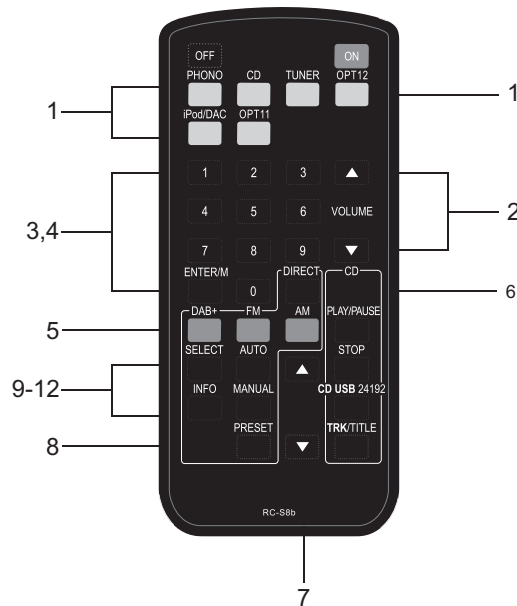
AMC Amps Remote Code List

Customer Code: 07FC

Function	Hex	D0	D1	D2	D3	D4	D5	D6	D7	Type
Tuner	C0	0	0	0	0	0	0	1	1	Input
CD	C1	1	0	0	0	0	0	1	1	Input
OPT 11	C8	0	0	0	1	0	0	1	1	Input
OPTION/Phono/Opt/Coax	C9	1	0	0	1	0	0	1	1	Input
OPT 12 / USB / COAX	CA	0	1	0	1	0	0	1	1	Input
iPod/DAC	CB	1	1	0	1	0	0	1	1	Input
Master Volume Up >	D8	0	0	0	1	1	0	1	1	General
Master Volume Dn <	D9	1	0	0	1	1	0	1	1	General

Customer code		07FE	07FD
Bands		FM +	DAB+
Hex	Key		
3F			
40	K33		INFO
41	K34		SELECT
42	K35		
43	K36		DAB+ (change code & band)
44	K37	DIRECT	(Don't care)
45	K38	Preset	Preset
46	K39	AUTO	Full Scan
47	K40	MANUAL	Qucik Scan
48	K41	Memory	Memory
49	K42	1	1
4A	K43	2	2
4B	K44	3	3
4C	K45	4	4
4D	K46	5	5
4E	K47	6	6
4F	K48	7	7
50	K49	8	8
51	K50	9	9
52	K51	0	0
53	K52		
54	K53	FM (change code & band)	(Don't care)
55	K54	(Don't care)	(Don't care)
56	K55	Tune Up	Tune Up
57	K56	Tune Down	Tune Down
58	K57		
59	K58		
5A	K59		
5B	K60	Mono	Mono
5C	K61	Time / RDS mode	(Don't care)
5D	K62	Text	(Don't care)
5E	K63	Program	(Don't care)
5F	K64	Type	(Don't care)
D6	K55		
D7	K56		
D8	K57		
D9	K58		
DA	K59	Power ON	Power ON
DB	K60	Power OFF	Power OFF
DC	K61		
DD	K62		
DE	K63		
DF	K64		

REMOTE CONTROL



1.INPUT SELECTOR

These buttons select any one of the Six sources that are connected to the inputs : PHONO (OPTION), CD, TUNER, OPT 12(or COAX/USB), iPod / DAC, OPT 11.

2.VOLUME CONTROL

- ▲ : VOLUME UP
- ▼ : VOLUME DOWN

3. Numerical keys 0 ~ 9

The numbered keys perform several functions when combined with PRESET and DIRECT buttons. See below:-

4. ENTER/M

When you set or listen to a service-station and want to put into memory as Preset service-station, you can press the "ENTER/M" key and key in Preset # you want to put the service-station in by numerical keys. The display will show Pxx right away.

5. DAB+, FM, AM Keys

For controlling DAB/DAB+/FM+ Module,
Press "FM" key, then press "DAB+" key

(the microprocessor inside the remote control will set the codes for DAB/DAB+/FM+ module.)

For controlling AM/FM Module,

Press "FM" key, then press "AM" key (the microprocessor inside the remote control will set the codes for AM/FM module.)

After setting to DAB/DAB+/FM+ or AM/FM module, please use the 3 keys to select the Band (DAB/DAB+ or FM+ or AM or FM) you want to control.

6. DIRECT

When this button is pressed, the numbered keys can select the broadcast frequency of the station you wish to receive. First press the DIRECT key, then the numbered keys corresponding to the station. In USA: to receive FM 103.7, press DIRECT, 1, 0, 3, 7, 0. IN Europe: to receive 103.75, press the DIRECT key, then press keys 1, 0, 3, 7, 5. Note if you enter an incomplete frequency, such as 1, 0, 3, 7 which is missing the final 0 or 5, there will be a short pause while the XTad fills in the missing number and finds the station.

7, TUNE ▲ and TUNE ▼

Tuning up or down the DAB/DAB+/FM+/FM service-stations is accomplished by pressing either of the two TUNE buttons. Press the ▲ button to tune toward higher frequencies or the ▼ button to tune toward lower frequencies.

8. PRESET

Press this button to activate PRESET. ([P] on display)

When this button is pressed, the numbered keys can be for direct access to each stored preset service-station. Presets 1-9 are displayed as P01, P02, P03, and so on. To select service-station

presets 10 for FM+ of DAB/DAB+/FM+ module, press the tens place key first. For example, to select 26, first press key 2, then press key 6.

9. AUTO

Press this button to activate AUTO TUNE. ([A] on display)

10. MANUAL

Press this button to activate MANUL TUNE. ([M] on display)

11&12. SELECT, INFO

The same as the buttons on front panel. Please refer to Front Panel Control.

Procedure to swap between "DAC module (19R-1866)" and "Phono Module (19R-1865-2)" :

Procedure to modify DAC Module to or from Phono Module (The modification procedure is Plug & Play) :

- a. Swap between "DAC Module (19R-1866)" & "Phono Module (19R-1865-2)" inserted on "Mother Module (19R-1865*B)"
- b. Set "Opt / Coax switch" to "Opt" or "Coax" position user like to set.
- c. Done.

SPECIFICATIONS

	XIA100se	XIA150se
Rated Power into 8 ohm	100W	150W
With both channels driven		
Rated T.H.D. 20Hz-20KHz	0.03%	0.03%
1KHz clipping power into 8 ohm	110W	160W
Input sensitivity for 1W/Rated power into 8 ohms:		
High level inputs	15mV/200mV	15mV/200mV
Phono input MM	0.5mV/2.7mV	0.5mV/2.7mV
Phono input MC	0.05mV/0.27mV	0.05mV/0.27mV
Input impedance:		
High level inputs	20K ohms	20K ohms
Phono input MM/MC	47K ohms/100PF	47K ohms/100PF
Frequency response:		
Tone bypass 20Hz-20KHz	+/-0.2dB	+/-0.2dB
Normal 20Hz-20KHz	+/-0.5dB	+/-0.5dB
High level inputs -3dB	<10Hz/>100KHz	<10Hz/>100KHz
Signal to noise ratio (ref. 1W/8 ohms):		
High level inputs "A" WTD	88dB	88dB
Phono inputs "A" WTD	80dB	80dB
Separation 20Hz-20KHz	75dB	75dB
Tone control range:		
Bass at 100Hz	+/-9dB	+/-9dB
Treble at 10KHz	+/-9dB	+/-8dB
Others		
Dimensions (WxHxD)	430x112x288mm	430x112x288mm
Net weight	9.3Kg	12.2Kg
Shipping weight (2pieces)	20.2Kg	26Kg

Weltronics Corp. reserved the right to improve its products at any time. Specifications are subject to change without notice.

XIA100/XIA150/XIA30/XIA50/X8 RS-232 Protocol

1. Equipment used:

- a. Computer PC
- b. USB to RS232 adaptor
- c. Software: Tera Term Pro Version 2.3 or newer

* Can be down load from Internet

2. Test Procedure

- a. Load Tera Term Pro Version 2.3 or newer

b. Setting: Port : COM # you will use

Baud Rate : 38400

Data : 8 bit

Parity : none

Stop : 1 bit

Flow Control : none

Transient delay : 0

- c. Test each RS232 command

NAME	COMMAND	RETURN	REMARK
Source Select	*SRCbb\r	#ON,SRCbb,MUTE OFF	6 Input ; bb = 01~06 ; 01=OPT 12,02=OPT 11,03=TUNER,04=CD,05=IPAD,06=OPTION/PHONO/OPT/COAX 4 Input ; bb = 01~04 ; 01=AUX,02=TUNER,03=CD,04=OPTION/PHONO/OPT/COAX
Volume Up	*VOLUP\r	#ON,SRCbb,MUTE OFF,VOLUP	6 Input ; bb = 01~06 ; 01=OPT 12,02=OPT 11,03=TUNER,04=CD,05=IPAD,06=OPTION/PHONO/OPT/COAX
Volume Down	*VOLDN\r	#ON,SRCbb,MUTE OFF,VOLDN	4 Input ; bb = 01~04 ; 01=AUX,02=TUNER,03=CD,04=OPTION/PHONO/OPT/COAX
Model	*MODEL \r	#XIA100/XIA150, # 306D, X8	6 Input = #XIA100/XIA150/X8 , 4 Input = #306D
Brand	*BRAND\r	#AMC	
Version	*VERSION \r	3_in_1-140607_ver1	

SAFETY INSTRUCTION

1. READ INSTRUCTIONS

All the safety and operating instructions should be read before the appliance is operated.

2. RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS

All warnings on the appliance and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5. WATER AND MOISTURE

The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

6. CARTS AND STANDS

The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



7. WALL OR CEILING MOUNTING

This equipment is not designed for use mounted on a wall or a ceiling.

8. VENTILATION

The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in installation, such as bookcase or cabinet that may impede the flow of air through the ventilation openings.

9. HEAT

The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

10. POWER SOURCES

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

12. CLEANING

The appliance should be cleaned only as recommended by the manufacturer.

13. NON USE PERIODS

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

14. OBJECT AND LIQUID ENTRY

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

15. SERVICING

The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

16. DAMAGE REQUIRING SERVICE

The appliance should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped, or the enclosure is damaged.

17. POWER LINES

(APPLIES TO TUNER AND RECEIVERS ONLY)

An outdoor antenna should be located away from power lines.

18. OUTDOOR ANTENNA GROUNDING

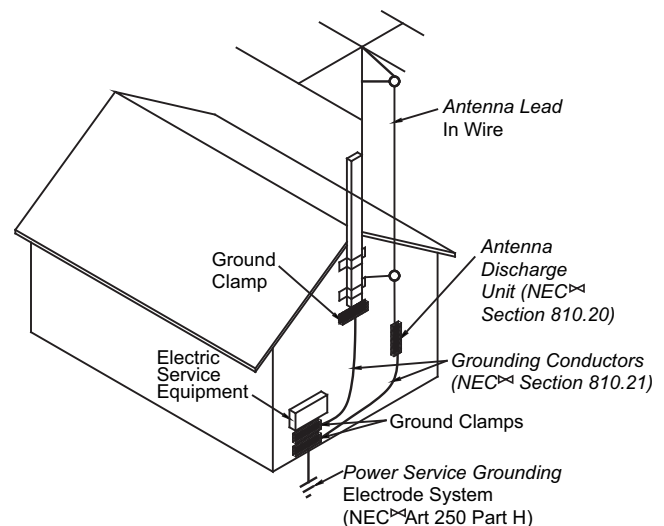
(APPLIES TO TUNER AND RECEIVERS ONLY)

If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.

- Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 17 AWG (1.0 mm²) copper-clad steel or bronze wire, or larger, as a ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4-6 feet (1.22-1.83 m) apart.
- Mount antenna discharge unit as close as possible to where lead-in enters house.
- Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna-grounding electrode is used. See NEC Section 810-21(j).

Antenna Grounding According to the National Electrical Code



† National Electrical Code Available from Library, book stores, or National Fire Protection Association (Batterymarch Park, Quincy, MA 02269).



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