

# AMS35i

## ANTONY MICHAELSON SIGNATURE PURE CLASS A 35W INTEGRATED AMPLIFIER



### INSTRUCTIONS FOR USE

*Thank you for purchasing the Musical Fidelity AMS35i pure class A Integrated amplifier.*

*The AMS35i Integrated uses a pure class A output stage to deliver the absolute best in audio quality with no listener fatigue and freedom from crossover distortion artefacts. This results in an astounding improvement in musicality and tonal neutrality. It also features a fully balanced input for the best in sound quality and dynamics.*

*The AMS35i is designed to be partnered with present and future AMS series products. This combination yields one of the best high-fidelity systems available at any price.*

*Used properly and carefully, it should give many years of outstanding musical reproduction.*

*Dust regularly with a soft duster or soft brush, but be careful when using cleaning or polishing agents - they may harm the surface finish.*

*If there are any questions about the audio system,  
please consult the dealer who is there to help and advise.*

MUSICAL FIDELITY

<b>PAGE</b>	<b>Section</b>	
<b>3</b>	<b>Safety information</b>	- Mains plug (U.K. only) - Modification warning
<b>4</b>	<b>General advice</b>	- Installation precautions - User information
<b>5</b>	<b>Disposal information</b>	EU disposal information
<b>6</b>	<b>Installation</b>	- Introduction - Cleaning - Installation - Audio connection
<b>7</b>	<b>Facilities and connections</b>	- Illustrations – Main unit front & rear panels
<b>8</b>	<b>Remote control</b>	- Operation and illustration
<b>9</b>	<b>Amplifier operation</b>	- Starting, Volume, Mute, CD, TUNER, AUX, TAPE, Recording
<b>10</b>	<b>Amplifier problems?</b>	- Basic amplifier fault finding
<b>11</b>	<b>Amplifier specifications</b>	
<b>12</b>	<b>Manual history</b>	

**IMPORTANT! (U.K. only)**

This unit is supplied in the U.K. with mains lead fitted with a moulded 13 amp plug. If, for any reason, it is necessary to remove the plug, please remove the fuse holder and dispose of the plug safely, out of reach of children.

**It must not be plugged into a mains outlet.**

The wires in the mains lead supplied with this appliance are coloured in accordance with the following code:

Green and yellow.....Earth  
Blue.....Neutral  
Brown.....Live

**WARNING - This appliance MUST be earthed**

As the colours of the wires of the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in the plug, proceed as follows:

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or coloured green or green-and-yellow, or by the earth symbol : 

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

If connecting to a BS1363 plug, a 13 amp fuse must be used.

**WARNING:**

**ANY MODIFICATIONS TO THIS PRODUCT NOT EXPRESSLY APPROVED  
BY MUSICAL FIDELITY WHO IS THE PARTY RESPONSIBLE FOR  
STANDARDS COMPLIANCE COULD VOID THE USER'S AUTHORITY TO  
OPERATE THIS EQUIPMENT.**

## INSTALLATION PRECAUTIONS & USER INFORMATION

This new AMS35i is designed and built to provide trouble-free performance, but as with all electronic devices it is necessary to observe a few precautions:

Heed all warnings shown on the back of the product.

Only connect the AMS35i to a mains outlet having the same voltage as marked at the back of the unit.

Always ensure that when disconnecting and reconnecting your audio equipment the mains supply is switched off.

Position the mains lead and signal interconnects where they are not likely to be walked on or trapped by items placed on them.

Do not use near water, or place water-filled containers on the AMS35i, for example, a flower vase or potted plants. **If water does spill inside, immediately pull out the mains plug from the wall socket and inform your dealer, who should then check the unit before further use. Entry of liquid into the AMS35i is dangerous, and may cause electric shock or fire hazard.**

Do not place the unit near direct heat sources such as radiators, direct sunlight or other equipment.

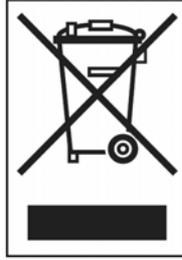
Do not remove any covers or try to gain access to the inside. There are no internal adjustments or fuses you can replace yourself. Refer all service work to an authorised Musical Fidelity agent.

**Note: Unauthorised opening of the equipment will invalidate any warranty claim.**

Dust regularly with a soft cloth or soft brush but be careful when using cleaning or polishing agents - they may harm the surface finish.

The electronics in modern hi-fi equipment is complex and may, therefore, be adversely affected or damaged by lightning. For protection of the audio system during electrical storms, remove the mains plugs and disconnect any aerial lead.

If after-sales service is required, to help the dealer identify the AMS35i please quote the serial number located on the rear panel of the unit.

**DISPOSAL**

The crossed out wheeled bin label that appears on the back panel of the product indicates that the product must not be disposed of as normal household waste. To prevent possible harm to the environment please separate the product from other waste to ensure that it can be recycled in an environmentally safe manner. Please contact local government office or retailer for available collection facilities.

**DISPOSITION**

La poubelle sur roulettes barrées X, qui apparaît en logo sur le panneau arrière du produit, indique que celui-ci ne doit pas être traité comme un déchet domestique commun. Afin de protéger l'environnement, ce produit électronique devra être géré séparément et donc recyclé selon les nouvelles normes Européennes Rohs concernant les déchets d'appareils électroniques. Prière de contacter les services concernés gouvernementaux ou votre point de vente pour l'élimination et l'enlèvement de déchets électroniques équipés de composants électroniques.

**DISPOSAL**

La etiqueta cruzada hacia fuera del compartimiento que aparece en el panel trasero del producto indica que el producto no se debe reciclarse como basura normal de la casa. Para prevenir daños posible al ambiente separe por favor el producto de otras basura para asegurarse de que puede ser reciclada de una manera ambientalmente segura. Entre en contacto por favor a su oficina gubernamental local o a su minorista para las instalaciones disponibles de la colección.

**RIFIUTI**

L'etichetta del cassonetto barrato riportato sul retro dell'apparecchio indica che il prodotto non deve essere smaltito tramite la procedura normale di smaltimento dei rifiuti domestici. Per evitare eventuali danni all'ambiente, separare questo prodotto da altri rifiuti domestici in modo che possa venire riciclato in base alle procedure di rispetto ambientale. Per maggiori dettagli sulle aree di raccolta disponibili, contattate l'ufficio govenativo locale od il rivenditore del prodotto.

**FACHGERECHTE ENTSORGUNG:**

Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hauskehricht entsorgt werden darf. Um Schäden und Verschmutzungen an Umwelt und Mensch zu vermeiden, muss das Produkt fachgerecht entsorgt und von anderem Abfall getrennt werden. Wenden Sie sich bei Fragen hierzu an Ihren Fachhändler oder an eine öffentliche Informationsstelle.

**AFVAL**

Het label op de achterzijde van dit apparaat, een afvalbak op wielen met een kruis doorgehaald, geeft aan dat dit apparaat niet samen met gewoon huishoudafval mag worden weggegooid. Om mogelijke schade aan onze leefomgeving te voorkomen dient dit apparaat, gescheiden van gewoon huishoudelijk afval, te worden afgevoerd zodat het op een milieuvriendelijke manier kan worden gerecycled. Neem voor beschikbare inzamelplaatsen contact op met uw gemeentelijke reinigingsdienst of met uw elektronica leverancier.

**HÄVITTÄMINEN**

Yliruksattua jäteastiaa kuvaava tarra tuotteen takalevyssä kertoo, että tuotetta ei saa käsitellä normaalina talousjätteenä. Ympäristön suojelemiseksi on tuote pidettävä erillään muusta jätteestä ja se on kierrätettävä ekologisesti kestäväällä tavalla. Ota yhteyttä laitteen myyjään tai Pirkanmaan Ympäristökeskukseen lähimmän kierrätyskeskuksen löytämiseksi.

**AFSKAFNING**

Logoet med en skraldespand med kryds over på bagsiden af apparatet indikerer at dette produkt ikke må kasseres som normal husholdningsaffald. For at forebygge mulig skade på miljøet, bedes De separere dette produkt fra andet affald, og sikre at det bliver genbrugt på en miljørigtig måde. Kontakt venligst de lokale myndigheder eller din forhandler for oplysning om nærmeste tilgængelige opsamlingssted for elektronikaffald.

**ΔΙΑΔΙΚΑΣΙΑ ΑΠΟΡΡΙΨΗΣ**

ΤΟ ΣΗΜΑ ΜΕ ΤΟΝ ΔΙΑΓΕΓΡΑΜΜΕΝΟ ΤΡΟΧΗΛΑΤΟ ΚΑΔΟ ΑΠΟΡΡΙΜΑΤΩΝ ΣΤΗΝ ΠΙΣΩ ΟΨΗ ΤΟΥ ΜΗΧΑΝΗΜΑΤΟΣ ΔΗΛΩΝΕΙ ΟΤΙ ΤΟ ΠΡΟΙΟΝ ΑΥΤΟ ΔΕΝ ΠΡΕΠΕΙ ΝΑ ΔΙΑΧΕΙΡΙΣΘΕΙ ΣΑΝ ΣΥΝΗΘΙΣΜΕΝΟ ΟΙΚΙΑΚΟ ΑΠΟΒΛΗΤΟ. ΠΡΟΣ ΑΠΟΦΥΓΗ ΕΝΔΕΧΟΜΕΝΗΣ ΕΠΙΒΑΡΥΝΣΗΣ ΤΟΥ ΠΕΡΙΒΑΛΛΟΝΤΟΣ, ΞΕΧΩΡΙΣΤΕ ΤΟ ΠΡΟΙΟΝ ΑΠΟ ΤΑ ΑΛΛΑ ΑΠΟΡΡΙΜΑΤΑ ΩΣΤΕ ΝΑ ΕΞΑΣΦΑΛΙΣΘΕΙ Η ΑΝΑΚΥΚΛΩΣΗ ΤΟΥ ΜΕ ΤΟΝ ΠΡΕΠΟΝΤΑ ΤΡΟΠΟ. ΠΑΡΑΚΑΛΟΥΜΕ ΝΑ ΕΠΙΚΟΙΝΩΝΗΣΕΤΕ ΜΕ ΤΗΝ ΤΟΠΙΚΗ ΥΠΗΡΕΣΙΑ ΑΝΑΚΥΚΛΩΣΗΣ Η ΜΕ ΤΟ ΚΑΤΑΣΤΗΜΑ ΑΓΟΡΑΣ ΓΙΑ ΠΕΡΙΣΣΟΤΕΡΕΣ ΛΕΠΤΟΜΕΡΕΙΕΣ.

## INTRODUCTION

Congratulations on the purchase of the new AMS35i Class A Integrated amplifier. Great attention has been paid to internal layout, isolating each circuit section to prevent possible interaction.

The unit features a finely tuned and tweaked , for smooth sound coupled with low noise and virtually no distortion.

The power amplifier consists of two monoblock class-A amplifier modules with separate supplies for the absolute best in separation and imaging. Generously rated, they are enough to drive even the most demanding loudspeakers with ease. Low distortion and very quiet they will deliver all music types exactly as the artist originally intended.

The resultant performance achieved by this unit is among the best in the world. It has excellent signal to noise ratio, low distortion, wide bandwidth and dynamic range, with extraordinary resolution and fine detail.

## CLEANING

Before cleaning the unit, switch off power at the mains switch and remove the mains plug from the wall socket.

Clean the cabinet and remote control unit using a moist cloth. Using solvents, white spirit or thinners is not advised, as they could damage the surface finish.

## INSTALLATION

Position the AMS35i on a stable, horizontal surface where there is no risk of it being knocked, or subjected to vibration such as from loudspeakers.

### Important note:

As a “CLASS A” amplifier, the unit dissipates a quantity of power at all times, and it is important that it is adequately ventilated. The top and bottom are perforated to allow the smooth flow of heat through the unit. It is therefore not recommended that the unit is enclosed in a cabinet or placed where the ventilation holes are impeded as this could result in the unit cutting out due to excessive heat build-up.

The AMS35i must be protected from humidity - if the unit is moved from a cold place to a warm room, leave the unit for an hour or so to allow sufficient time for the moisture to evaporate.

## POWER CONNECTIONS

The AMS35i is supplied with a standard IEC mains cable which plugs into the IEC socket at the back of the unit (see P.7)

## AUDIO CONNECTIONS

**RCA Inputs:** Connect all RCA single-ended sources to relevant analogue inputs (see p.7 For more information). Use good quality fully connected (signal and ground) coaxial phono cables for all RCA signal connections.

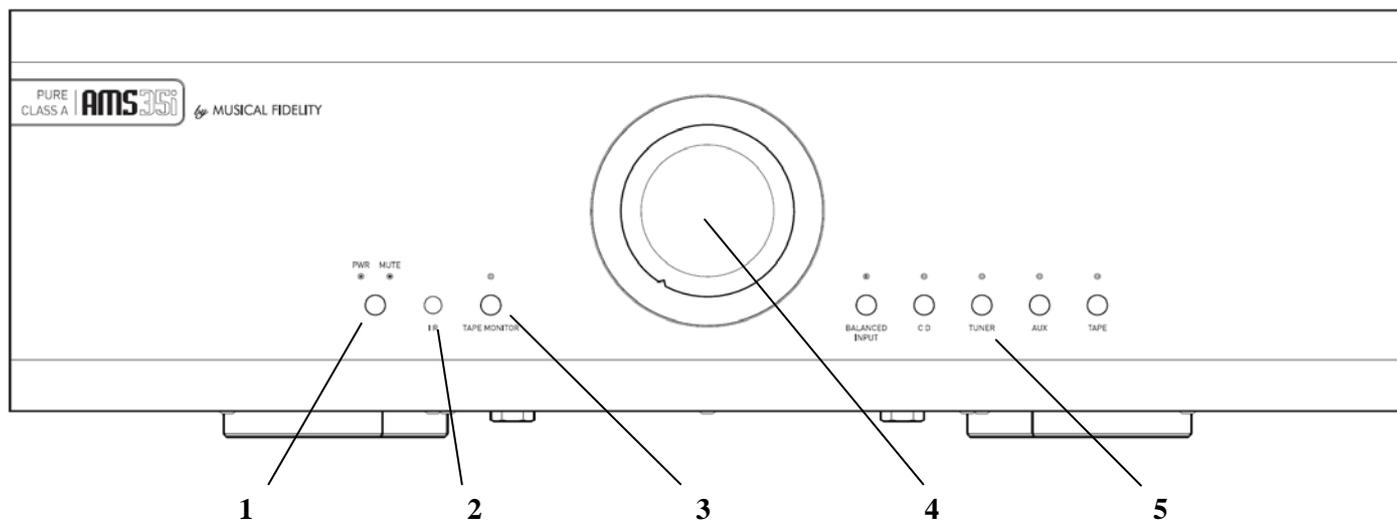
**XLR Inputs:** Connect all XLR balanced sources to relevant analogue inputs (see p.7 For more information). Use good quality fully connected (signals and ground) balanced XLR cables for all XLR signal connections.

**Outputs:** Connect loudspeakers to the terminals on the back panel marked as **LEFT** and **RIGHT SPEAKER** outputs

The **TAPE** output allows loop through of analogue signals for example, to pass on to recorder or monitor. It is also the ideal output to connect our headphone amps into.

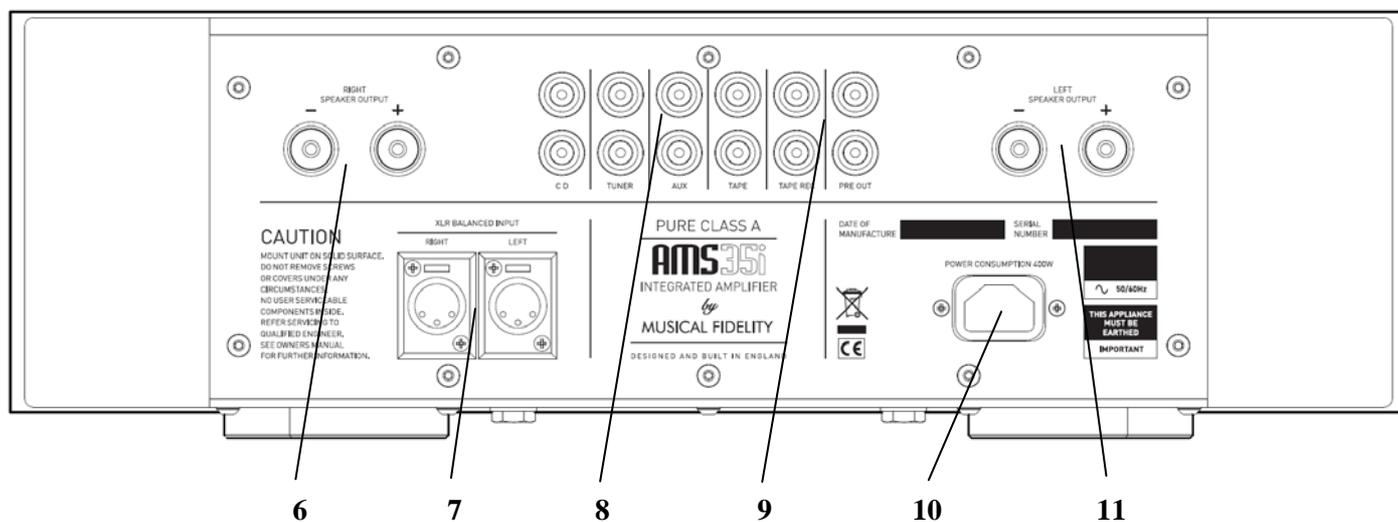
The **PRE-OUT** output allows analogue signals controlled by the volume, to pass on to a second amplifier. This is useful for bi-amping.

## FRONT PANEL



- 1. **ON/OFF** Button
- 2. **IR RECEIVER** lens
- 3. **TAPE MONITOR** button
- 4. **VOLUME** control
- 5. **ANALOGUE INPUT** source selector buttons

## REAR PANEL



- 6. **LOUDSPEAKER OUTPUT** Right
- 7. **BALANCED XLR** right and left inputs
- 8. **CD, TUNER, AUX/HT, TAPE INPUT** RCA Sockets
- 9. **PRE, TAPE OUTPUT** RCA sockets
- 10. **IEC MAINS INPUT**
- 11. **LOUDSPEAKER OUTPUT** Left

**Remote control Handset (supplied with the battery already installed).**

The AMS35i remote control shown below enables functions from this unit to be operated from a convenient distance. Equivalent buttons on the remote control have the same functions as those on the front panel of the unit. Other functions are only available by remote control.

As the handset uses an invisible infra-red light beam, the front edge must be pointed directly towards the receiver window at the front of the player, without visual obstruction between them.

For reliable remote control operation, the AMS35i should also be positioned so that direct sunlight, fluorescent or other bright lights do not fall directly on the IR receiver lens (see P.7). Such light can interfere with remote control operation and/ or maximum operating range.

If the range of the remote control greatly decreases, replace the battery, VARTA Lithium Li-Mn button type CR2450.

*Please dispose of used batteries in accordance to local regulations.*

MUTE – Mutes outputs until pressed again  
 VOLUME ▲ – increases volume  
 VOLUME ▼ – decreases volume

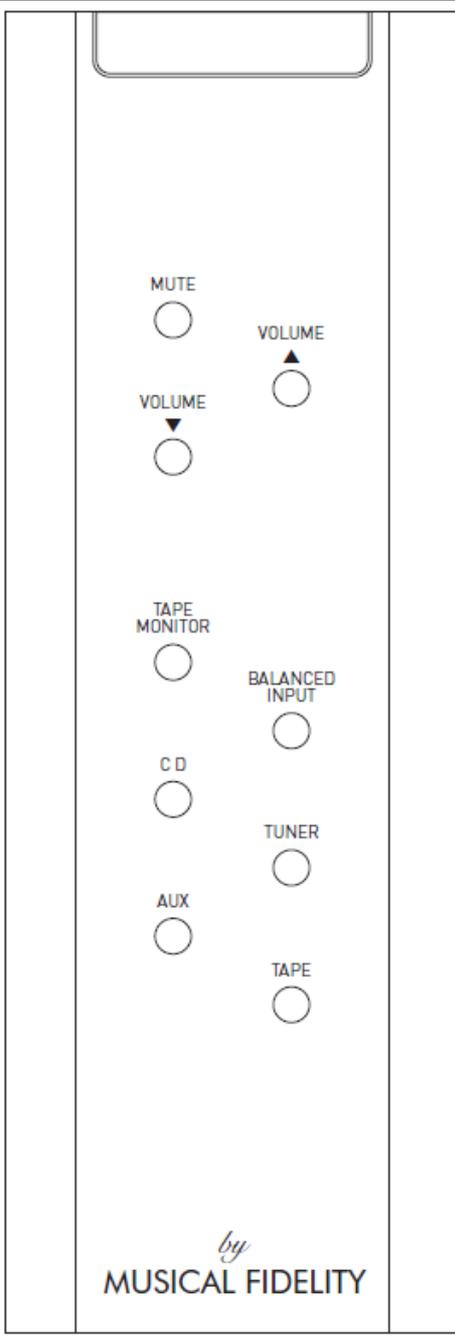
TAPE MONITOR – Selects tape input for monitoring

BALANCED INPUT- Selects BALANCED input

CD – Selects CD input

TUNER – Selects TUNER input  
 AUX – Selects AUX input

TAPE – Select TAPE input



**Changing the Battery**

If the remote fails to operate the AMS35i functions correctly, or a substantial reduction in range is observed, the battery may be exhausted.

1. Remove the six screws in the base of the remote control.
2. Remove the base to gain access to the battery holder in the bottom of the remote.
3. Gently Lift the spent battery from the holder.
4. Discard the spent battery according to local disposal regulations.
5. Replace with a new VARTA CR2450 Li-Mn battery. We do not recommend any other battery type.

If there are any problems with changing the battery please contact the dealer for assistance.

**RC5 codes used by this component**

	HEX	DECIMAL
SYSTEM CODE FOR AMPLIFIER	10	16
MUTE	0D	13
VOLUME ▲	10	16
VOLUME ▼	11	17
BAL. INPUT	01	1
CD	02	2
TUNER	03	3
AUX	04	4
TAPE	05	5
TAPE MON.	14	20

**Important notice- The remote control supplied is expensively machined from solid aluminium. Please take great care of this remote control as it would be costly to replace.**

### STARTING

Once all connections are made, switch on the unit, using the **POWER** button front of the unit. The **MUTE** LED will light. Speaker outputs are muted for about 15 seconds, so no sound will be heard from the speakers. Once the 15 seconds is up the **MUTE** LED goes out, indicating unit is settled, and ready for use.

### VOLUME

The volume should be adjusted for normal listening levels. This is done by turning the volume up/down knob on the front panel. Adjusting the volume can also be achieved using the remote handset, using the volume up/down buttons (see p. 9).

### MUTE (remote only)

The sound from the speakers may be muted by use of the **MUTE** button on the remote. Press once, and **MUTE** LED will light indicating muted state. No sound will be heard from the speakers.

To return to listening; simply press the **MUTE** button again so **MUTE** LED is no longer lit.

### BALANCED INPUT

To use the balanced input, connect balanced source outputs to the balanced input XLR sockets (see p.7). Select **BALANCED** input by pressing the **BALANCED INPUT** button so **BALANCED INPUT** LED is lit.

Selecting the **BALANCED** input can also be achieved by pressing the corresponding button on the remote handset, (see p. 8).

### CD

To use the CD input, connect CD player outputs to the CD input RCA sockets (see p.7). Select **CD** input by pressing the **CD** button so **CD** LED is lit.

Selecting the **CD** input can also be achieved by pressing the corresponding button on the remote handset, (see p. 8).

### TUNER

To use the tuner input, connect tuner outputs to the tuner input RCA sockets (see p.7). Select **TUNER** input by pressing the **TUNER** button so **TUNER** LED is lit.

Selecting the **TUNER** input can also be achieved by pressing the corresponding button on the remote handset, (see p. 8).

### AUX

To use the tuner input, connect tuner outputs to the tuner input RCA sockets (see p.7). Select **AUX** input by pressing the **AUX** button so **AUX** LED is lit.

Selecting the **AUX** input can also be achieved by pressing the corresponding button on the remote handset, (see p. 8).

### TAPE

To use the **TAPE** input, connect external source to the **TAPE** input (see p.7). Select **TAPE** input by pressing the source up/down buttons until **TAPE** LED is lit.

Selecting the **TAPE** input can also be achieved by pressing the corresponding button on the remote handset (see p. 8).

### RECORDING AND TAPE MONITOR

To record to tape, (or alternatively CD recorder, DAT, minidisk or computer soundcard analogue input) connect the tape out to the tape recorder line in. Press the input selector button on the front panel or remote control. This source will now be routed to the AMS35i **TAPE OUT** for recording by tape deck.

The recording can be directly monitored through the loudspeakers by pressing the **TAPE MONITOR** button. Press again to return back to the input being recorded.

On some 3 head tape decks there is an additional tape/source switch which should be in the tape position for this to work. If in doubt, please consult tape deck operating manual.

Note - adjustment of the volume control has no effect on the recording level.

Basic problem-solving with an amplifier is similar to troubleshooting other electrical or electronic equipment. Always check the most obvious possible causes first, such as the following examples:

Problem	Probable Cause	Remedy
No power when <b>POWER</b> button is pressed	Mains power plug is not fully inserted into rear socket	Plug in securely.
No sound	Mute function is still active Wrong connections between input sources and the unit Speakers not connected, or incorrectly wired	Press the <b>MUTE</b> button on the remote control to cancel. Check audio input lead connections Check speaker cables
Sound cut	Loose connection Output overload or short circuit	Check speaker and input connections Switch unit off. Check speaker connections for shorting strands or wires. When all has been double-checked reduce volume and switch unit back on. N.B. Take great care when bi-wiring or bi-amping that speaker bass and treble linking straps are removed; see speaker manual for more information
Sound is not precise, lacking in bass and stereo image	Speakers are connected out of phase, i.e., connections to one speaker (+ and -) are reversed	Ensure speakers are connected with same polarity at amplifier <i>and</i> speaker ends.
Hum	Audio connector plug not fully pushed in Cable Fault Unsuitable Cable (e.g. cable grounds not connected)	Insert plug securely Check cable is connected at both ends. N.B. Some esoteric cables have internal wiring intentionally disconnected/modified. For best results on all inputs analogue AND digital, please use good quality screened coax; signal <i>and</i> screens both separately connected at both ends.
No audio output, or too low level output	Incorrect or missing connections	Check connections and make sure they are secure.
Remote control does not work	Amplifier's <b>POWER</b> switch is set to off Unit overheated One or more batteries fitted the wrong way round Batteries are flat Remote control is not pointed directly towards the front panel of the amplifier Interference from another source	Set switch to on Check for excessive heat build-up. Insert batteries correctly Change batteries for a new set Ensure there is no obstruction between the remote control and amplifier front. Lighting such as fluorescent, incandescent, or even sunlight contains large amounts of infra red radiation. Ensure such sources are not shining directly on the infra red window as this could swamp the signal from the remote control. Also check the system and any other nearby remotes for stuck buttons
Remote control range has greatly reduced	Batteries are running out	Change batteries for a new set.

If none of these actions affect a cure, please contact the dealer, or an authorised Musical Fidelity service agent. Remember; never open the case of the AMS35i, as this will invalidate the guarantee.

Output:	Power	35 Watts per channel into 8 Ohms (15.5dBW),	
	Voltage	17 Volts RMS 20Hz to 20 kHz	
	Voltage	47 Volts Peak-to-peak	
	Current peak-to-peak	20 Amps	
	Damping factor	130	
	Output devices	2 pairs per channel	
Balanced Line input:	THD+N	< 0.014% unwt'd, 20Hz to 20 kHz	
	Signal / noise ratio	> 96dB 'A'-weighted	
	Input impedance	40k Ohms	
	Frequency response	10Hz to 50 kHz, +0, -1dB	
Connections:	Line level inputs	1 pairs line level XLR (balanced) connectors 4 pairs line level RCA connectors	
	Line level outputs	1 pair line level RCA connectors, constant level TAPE outputs 1 pair line level RCA connectors, preamp outputs for e.g. biamping	
	Speaker outputs	2 pairs 4mm banana plug/binding posts	
Power requirement:	Mains voltages:	115/230VAC 50/60Hz (factory pre-set) 100VAC 50/60Hz (alternative)	
	Consumption:	330 Watts continuous	
Weight:	28.3kg	62½lbs	unit only, unboxed
	33kg	72½ lbs	in shipping carton
Dimensions:	483mm,	19"	wide
	148mm,	5⅞"	high including feet
	475mm,	18¾"	deep (front to back) including terminals
Standard accessories:	IEC type mains lead (10-Amp type), AMS35i remote control Varta CR2450 Li-Mn battery		



Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice.

RELEASE	DATE	CHANGES
Issue 1	03/07/09	1 <sup>st</sup> issue.
Issue 2	10/07/09	Remote control page updated