

AVuno

SoundStation



USER MANUAL

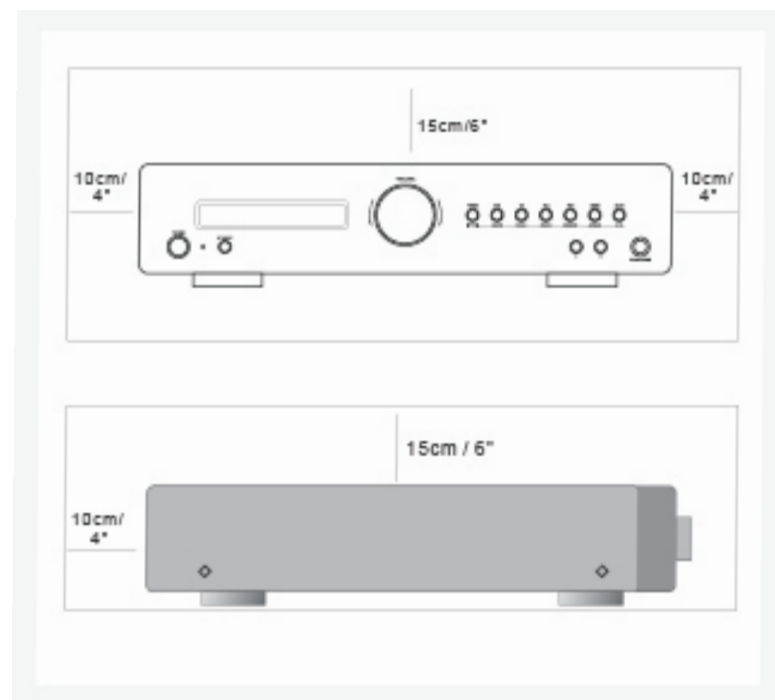
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SAFETY INFORMATION

SAFETY INFORMATION

- Read the manual before use and retain for future reference
- Heed any warnings on the appliance and in the instruction manual.
- Following the safety instructions and operating guidelines as laid out in the manual.
- Do not use this apparatus or remote control near water and keep liquids and beverages out of reach in case of spillage.
- Unplug from the wall before cleaning and clean only with a soft dry cloth. The same applies when cleaning the remote control.
- Keep well ventilated and do not cover or block ventilation openings. – see fig. below.
- Do not place near heat sources or other equipment that may produce heat.
- Protect the power cord from accidental damage. Make sure it cannot be pinched, knotted or walked upon.
- Unplug during lightning storms or when unused for extended periods of time.
- Refer all servicing to qualified personnel. There are no user serviceable parts. Should a problem occur unplug and call an engineer for service assistance.
- If an outdoor antenna is to be used make sure it is located away from power lines.
- If you transfer the receiver from a cold to a warm place, allow it to reach room temperature before switching on as there may be a risk of condensation



INTRODUCTION

Thank you for choosing an AVuno product.

We are sure that it will give you many years of trouble free enjoyment. However to ensure the finest possible performance it is recommended that you read this manual before use and keep it in a safe place for future reference.

The **Soundstation** is a high quality 80 watts per channel (RMS) receiver suitable for use in commercial applications (such as bars and shops) or at home in a domestic situation. It has a USB player capable of playing music directly from a USB device and an AM/FM tuner with 64 presets and RDS display

There are 4 dedicated music inputs, one of which can be switched for use with a turntable. Two microphone inputs are provided for speech reproduction, each with independent volume control.

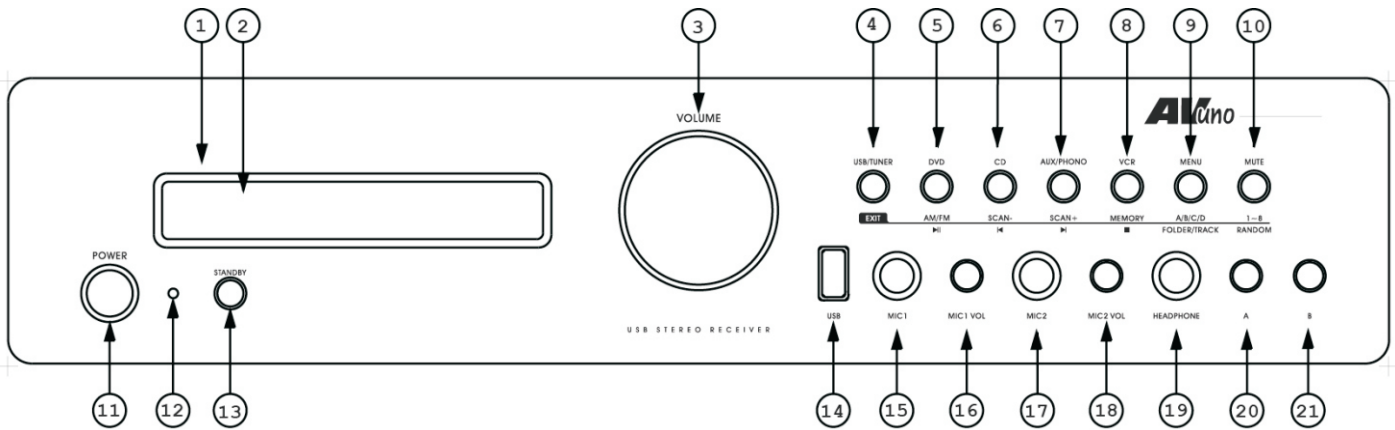
The two pairs of speaker outputs, A and B, can be used simultaneously if required. The big central volume control gives precise adjustment and control while bass, treble and balance are menu controlled and shown on the large fluorescent display.

With a full function remote control and elegant modern styling this is an ideal one box solution for most everyday applications.

FUNCTIONS AND CONTROLS

FRONT PANEL

- 1 **REMOTE CONTROL SENSOR**
Sensor to receive signal from remote control.
- 2 **DIGITAL DISPLAY**
Displays tuner and MP3 information as well as volume levels and input selection etc.
- 3 **VOLUME**
Large central control for adjusting the volume output level.
- 4 **USB / TUNER / EXIT**
Allows selection of the USB player or Tuner.
The Exit function cancels USB/Tuner selection and allows a choice of external inputs.
- 5 **DVD / AM-FM /**
Selects the signal from the DVD input
In Tuner mode allows selection of AM or FM band
When using the USB player it allows pause and playback of the selected track.



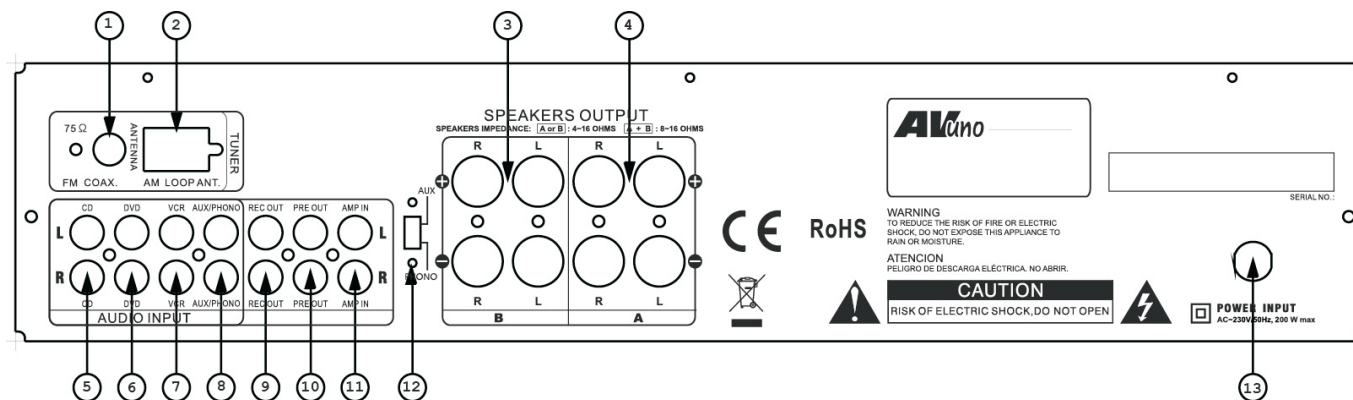
FUNCTIONS AND CONTROLS

- 6 **CD / SCAN - / I◀**
Selects the signal from the CD input
In Tuner mode the tuner searches down the band one step at a time.
If you hold it down for 3 seconds it automatically scans down the band until a signal is found.
In USB player mode it skips back a track each time it is pressed.
- 7 **AUX-PHONO / SCAN+ / ▶I**
Selects the signal from the AUX/PHONO input dependent on the position of the selector on the rear panel (12).
In Tuner mode the tuner searches up the band one step at a time.
If you hold it down for 3 seconds it automatically scans up the band until a signal is found.
In USB player mode it skips forward a track each time it is pressed.
- 8 **VCR / MEMORY / ■**
Selects the signal from the VCR input
In tuner mode this is used to memorize stations and store them to one of the 64 presets.
In USB player mode it is used to stop playback.
- 9 **MENU / A-B-C-D / FOLDER-TRACK**
The MENU button allows access to a menu where you can adjust bass, treble, balance and other functions such as maximum volume and switch on levels.
In radio mode the A-B-C-D button is used when storing presets into groups or for recalling a preset from a group. In USB player mode it allows you to choose folders and the tracks from within the selected folder.
- 10 **MUTE / 1-8 / RANDOM**
Pressing the MUTE button cuts the volume output, pressing it again restores it.
When in tuner mode 1-8 allows you to select any of the 8 presets within the 4 groups of presets allowed for either the AM or FM band.
In USB player mode it allows playback of tracks on the USB device in a random order.
- 11 **POWER**
Switches the unit on or off.
- 12 **POWER LED**
LED illuminates when the unit is powered on.
- 13 **STANDBY**
Puts the unit on standby, the unit should be put on standby for short periods of time only.
- 14 **USB**
Allows connection of an external USB device.
- 15 **MIC 1**
Allows connection of a microphone.
- 16 **MIC 1 VOL**
Adjusts the volume level from microphone input 1.
- 17 **MIC 2**
Allows connection of a second microphone.
- 18 **MIC 2 VOL**
Adjusts the volume level from microphone input 2.
- 19 **HEADPHONE**
Allows the connection of headphones for private listening.
- 20 **A**
Switches on the speakers connected to speaker output A at the rear of the unit.

FUNCTIONS AND CONTROLS

REAR PANEL

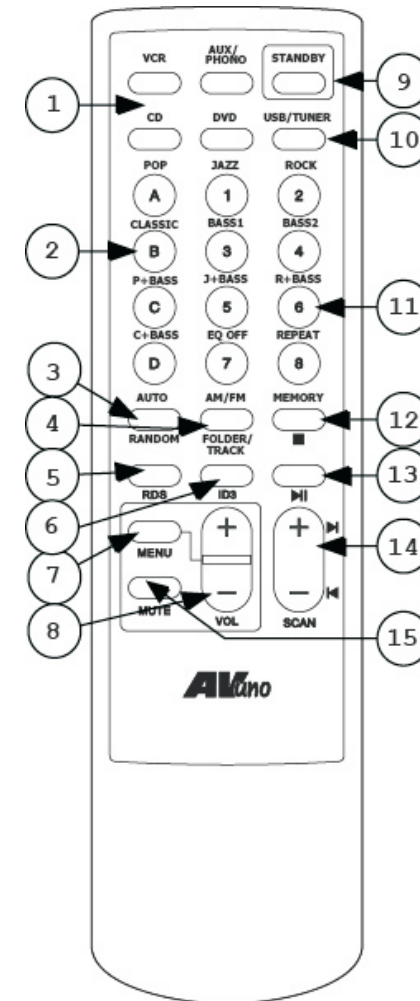
- 1 **FM COAX**
Connection point for the supplied FM antenna.
- 2 **AM LOOP ANT**
Connection point for the supplied AM loop antenna.
- 3 **SPEAKER OUTPUT B**
Connection point for loudspeakers B, left and right channels.
- 4 **SPEAKER OUTPUT A**
Connection point for loudspeakers A, left and right channels.
- 5 **CD**
Input for a CD player or similar.
- 6 **DVD**
Input for a DVD player or similar.
- 7 **VCR**
Input from a video player or similar.
- 8 **AUX / PHONO**
Input from an aux line input or a turntable. Selectable via switch (12).
- 9 **REC OUT**
Fixed level output not affected by the master volume control ideal for recording purposes.
- 10 **PRE OUT**
Used to send the pre amplifier signal to an external device such as an equalizer or processor. Can also be used to send a signal to an external amplifier.
- 11 **AMP IN**
Used to feed the processed signal from the PRE OUT back into the amplifier
Note when not using the PRE OUT / AMP IN facility make sure that the two RCA bridges are in place..
- 12 **AUX / PHONO**
Sets the input level of the AUX/PHONO input (8) to either line or phono level, to facilitate the use of a turntable.
- 13 **MAINS OUTPUT LEAD**
Exit point for the mains lead from the unit.



FUNCTIONS AND CONTROLS

REMOTE CONTROL

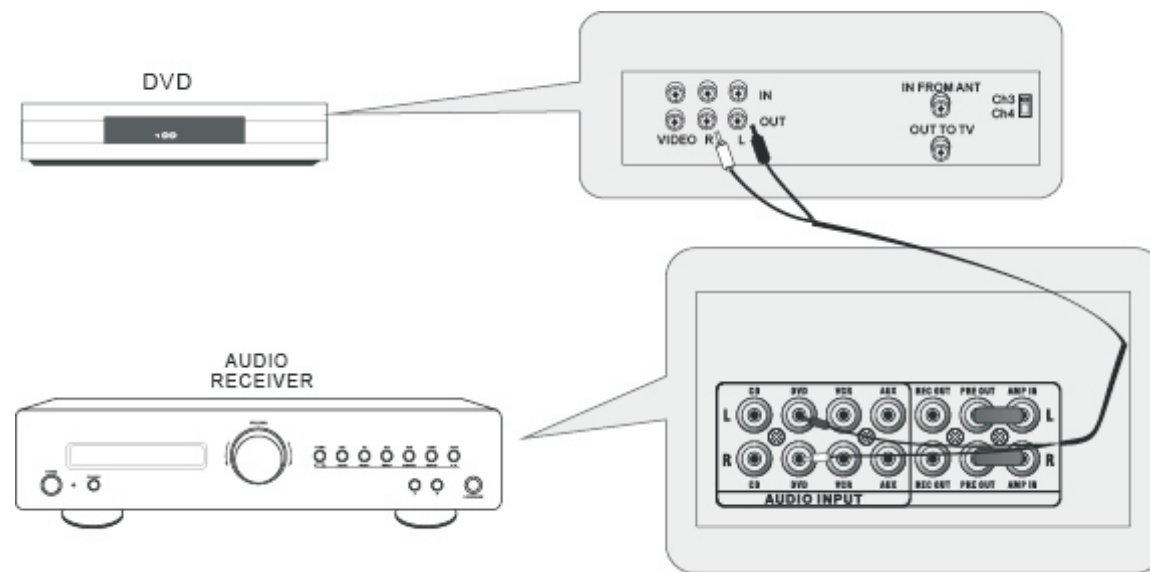
- 1 **VCR / AUX-PHONO / CD / DVD**
Allows selection of the relevant music source.
- 2 **A-D / POP / CLASSIC / P+BASS / C+BASS**
In tuner mode allows access to a group of presets.
In USB player mode allows selection of preset tonal settings.
- 3 **AUTO / RANDOM**
In tuner mode holding this button for a few seconds automatically scans and stores stations to presets sequentially.
In USB player mode it allows playback of the tracks on the attached USB device in a random fashion.
- 4 **AM-FM / FOLDER / TRACK**
In tuner mode it selects between the AM and FM bands.
In USB player mode it allows you to choose a folder and the tracks within that folder from an attached USB device.
- 5 **RDS**
Displays the RDS information about the radio station you have selected.
- 6 **ID3**
Pressing this button gives information about the music you are listening to on the attached USB device. Pressing this button repeatedly gives you information such as artist name, track title, album title, folder details and filenames.
- 7 **MENU**
Allows access to the general menu of options within this amplifier.
- 8 **VOL +/-**
Adjusts the volume up or down.
- 9 **STANDBY**
Switches the unit to standby .or switches it back on from standby.
- 10 **USB/TUNER**
Allows selection of the tuner or the USB player.
- 11 **1-8 / JAZZ / ROCK / BASS / BASS 2 / J+BASS / R+BASS / EQ OFF / REPEAT**
In Tuner mode these buttons correspond to the 8 selections available within the four groups of 8 presets.
In USB player mode buttons 1-6 correspond to preset tonal settings, while button 7 turns the EQ off and button 8 activates the repeat function. The REPEAT function allows the repeat of all the tracks, folder repeat or single track repeat .
- 12 **MEMORY**
Used to preset the radio stations.
- 13 **II**
In USB player mode it is used to play or pause the track selected.
- 14 **SCAN +/-**
In tuner mode used to search up and down the band. Pressing once searches one step at a time. Holding it down for 3 seconds makes it automatically search for stations, stopping when it finds one with sufficient signal strength.
In USB player mode it moves forward and back through tracks on an attached USB device.
- 15 **MUTE**
This buttons cuts out the volume output, pressing it again restores it.



CONNECTIONS

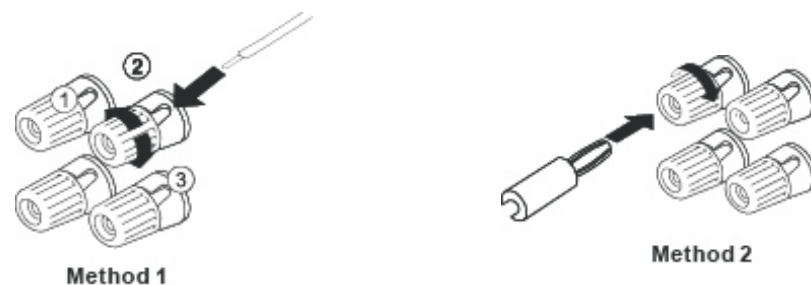
CONNECTING AUDIO SOURCES

- Using the lead supplied with the music source (in the majority of cases it's 2 RCA phono plugs to 2 RCA phono plugs) connect the output of the source device to the relevant input on the receiver. For example take the output of a CD player and plug it into the CD input on the receiver and you can listen to it by selecting the CD button on the remote or front panel. This applies to any audio source you wish to connect.



CONNECTING THE SPEAKERS

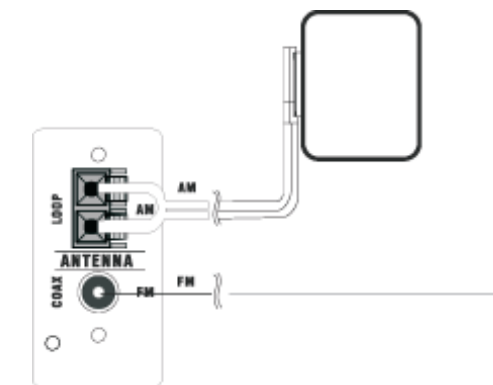
- Loosen the binding posts
- Strip about 5mm from the outer insulation of the speaker cable and insert into the binding post.
- Tighten the knobs on the binding posts securely, ensuring that the cables are not touching and are connected so that the polarities on the speaker terminals match the polarity on the receiver. i.e. "+ to +" and "- to -"
- Alternatively you could connect the speakers to the receiver using banana plugs again ensuring the wires are not touching and that the polarities on the receiver and speaker match.
- Position the speakers for maximum enjoyment. It is recommended that the speakers are set 2 to 3 metres apart and are at a 45 degree angle to the central listening point in the room.



CONNECTIONS

CONNECTING THE FM & AM ANTENNAS

- The FM and AM antennas connect to their respective inputs at the rear of the receiver.
- The AM loop antenna should be fully unwound and by pressing on the spring loaded tabs you can insert the bare ends into the socket. Releasing the tabs secures the connection of the antenna.
- The FM antenna plugs into the coaxial socket.
- The antennas should then be positioned until the best possible signal is obtained.



CONNECTING THE POWER

- Please ensure that you connect all your other electronic components and are certain that the speakers are correctly attached before switching on the unit.
- Make sure that the power cord is plugged in completely and then switch on.

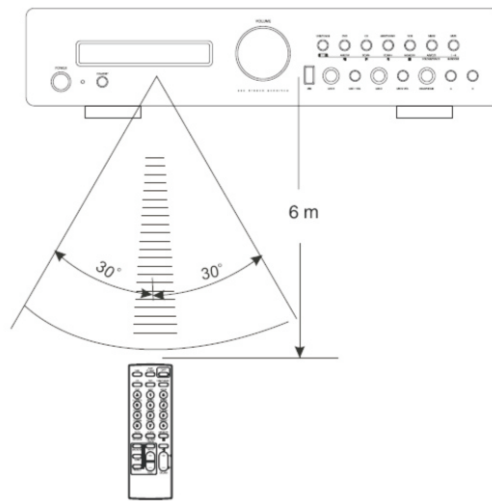
USING HEADPHONES

- Using headphones can give you the privacy to enjoy music without disturbing others. However it is advised that care be taken when doing so.
- When using headphones you must always make sure that the volume is turned down before you put them on, then you can adjust the volume to the desired level.
- It is always advised not to listen at high levels or for extended periods of time.
- If it causes ringing in the ears then it is recommended to discontinue use.

OPERATING INSTRUCTIONS

REMOTE CONTROL

- Insert the batteries into the remote control making sure to align the battery polarities correctly.
- Point the remote control at the front panel of the unit and select your desired function.
- The remote control will work up to a maximum of 6m from the unit and at a 30 degree angle left or right to the perpendicular.
- For best performance ensure there is no obstacle between the remote control and the unit and where possible try not to expose the remote sensor to direct lighting.
- Remember batteries can leak so remove them if the remote control is not going to be in use for an extended period of time. Avoid contact with liquids as this could damage the remote control.



SELECTING A SOUND SOURCE

- Select the sound source you require from the front panel controls or the remote control DVD, CD VCR, AUX / PHONO or USB / TUNER.
- Adjust the volume to the desired level and by pressing the menu button you can adjust the bass, treble and balance to suit your needs.

USB PLAYBACK

- To select the USB player press the USB/TUNER button until the display shows "USB INPUT"
- If no USB device is connected it will read "USB NOT READY".
- If a USB device is detected it will start playback at track 1 on the device. By pressing the ID3 button on the remote you can get the display to show different information about the track playing. Pressing it repeatedly displays either the folder name, the folder and track number playing, the track title, artist name, album title or the filename of the track.
- If the device contains several folders with different tracks you can choose which folder you want to play by pressing the FOLDER/TRACK button on the remote or front panel. "CHOOSE FOLDER" appears in the display and you can then flick through the folders using the NEXT and PREVIOUS buttons. To play a track from the desired folder simply press the FOLDER/TRACK button again, "CHOOSE TRACK" appears in the display and you can then skip through the tracks using the NEXT and PREVIOUS buttons.
- The USB player can handle USB devices with FAT32 or FAT16 format.
- Note also that even though the player can handle over 65,000 folders or songs, the 3 digit display means that when the song count exceeds 999, the count will start again from 1.

OPERATING INSTRUCTIONS

TUNER

- Pressing the USB / TUNER button twice, on either the remote control or front panel of the unit turns on the tuner section.
- To listen to another source just select it from the remote control or if you are using the front panel controls just press the USB / TUNER button a third time to EXIT this mode and then select the required source from the front panel selections.
- The tuner is AM / FM with RDS facilities.
- To start enjoying your tuner simply select the band you require AM or FM and press the scan + or scan - button to tune the radio up or down the band. Pressing the scan button once tunes one step at a time, however holding the scan button down for 3 seconds or so makes the tuner search through the band automatically. Once a station has been found it will stop, allowing you to listen. Depress the scan button for 3 seconds again to continue searching for other stations.
- There are 64 presets available 32 on AM and 32 on FM. Each of these 32 presets consists of four groups A, B, C or D and each of these groups is made up of 8 presets each.
- You can automatically preset all available radio stations by pressing and holding the AUTO button on the remote control. The tuner will scan the band selected and preset any detected stations sequentially.
- To manually preset your stations using the remote first tune in the desired station. Choose the group A - D from the keypad that you wish to store it in. Press the MEMORY button, "MEMORY" will appear in the digital display. Next assign it a position 1 - 8 using the keypad on the remote. Once this is done "OK" will appear in the display to confirm the station has been stored.
- To manually preset your stations using the front panel controls first tune in the desired station. Choose the group A - D using the "A/B/C/D" button pressing it until the desired group appears. Press the MEMORY button, "MEMORY" will appear in the digital display. Using the 1 -8 button, press it repeatedly until the desired position appears in the display and store it by pressing the MEMORY button "OK" will appear in the display to confirm the station has been stored.
- To recall your presets at anytime simply select the group A - D and the desired preset, sit back and enjoy.

TROUBLESHOOTING

| | |
|------------------------------|--|
| NO RECEPTION FROM RADIO | Make sure that the relevant antenna is connected. |
| HISSING AND NOISE FROM RADIO | This generally happens when a weak stereo signal is received, adjust the antenna to improve reception and if it persists consider getting an external one fitted by a qualified installer |
| REMOTE NOT WORKING | Make sure batteries are fitted correctly and are in proper working order. If not replace with new ones. Make sure you are not too far away from the unit and that there are no obstructions between the remote and the unit itself. Make sure that the source you are trying to control has been selected on the remote device? Check and try again. |
| NO AUDIO | Make sure that the unit is powered on and that the mute indicator on the front panel is off. Ensure speakers are attached to the unit and that the front panel speaker selectors are on. Check that the both the RCA bridges between the PRE OUT and AMP IN sockets are inserted. |
| NOISE WHEN TV TURNED ON | The tv may be too close to the unit, this may be more noticeable when listening to an AM radio station. |
| SOUND NOT MATCHING THE VIDEO | If you have the audio from a video source connected to the receiver and the sound from the receiver is not matching the sound from the video device, then simply make sure that the audio source is connected to the VCR or DVD input and that the correct source is selected via the remote or the front panel |
| NO TITLES ON MP3 PLAYBACK | If you have not tagged the MP3 it will play the track but no file info can be displayed. The only way to prevent this is to make sure all your files are tagged correctly |
| WRONG TITLES ON MP3 PLAYBACK | The USB player only reads the info that has been tagged to the file. If this is wrong then the file info displayed will be wrong. |

Should the problem persist, switch the unit off, unplug it from the mains supply and call your dealer to arrange a service of the unit. Remember there are no user serviceable parts inside and under no circumstances should this unit be opened by anyone other than a qualified engineer.

SPECIFICATIONS

| | |
|---------------------------|--|
| GENERAL | Stereo Hi Fi Receiver USB input for playback of MP3 files with ID3 tags RDS AM/FM Tuner with 64 Presets 4 Stereo Inputs (DVD, CD, AUX/PHONO, VCR) Record Output Pre Out and Amp In Facility 2 Mic Inputs with Independent Volume Control Digital Display Menu Driven Control of Bass Treble and Balance Handheld Remote Control 2 Groups of Speaker Outputs A/B Headphones Output |
| OUTPUT | 80 + 80 W RMS @ 4 ? |
| PROTECTION | Short, Overload and Surge Protection Circuits |
| USB PLAYER | MP3 File playback via USB Device (Not Included) Maximum Number of Indexed Folders 65.534 Maximum Number of Indexed Files 65.534 Maximum Number of Folder Levels 8 |
| TUNER | Digital AM / FM with 64 Presets |
| INPUTS | 4 Stereo Music Inputs via 2 x RCA (DVD, CD, AUX/PHONO selectable & VCR) Amp In Facility via 2 x RCA 2 Mic Inputs with Independent Volume Control via 6.3mm Mono Jack |
| OUTPUTS | REC output via 2 x RCA PRE OUT facility via 2 x RCA Headphone Output via 6.3mm Stereo Jack |
| FREQUENCY RESPONSE | 20 – 20000Hz ± 1db |
| SIGNAL TO NOISE RATIO | 88db |
| TOTAL HARMONIC DISTORTION | ≤ 0.04 % (1W) |
| SPEAKER OUTPUT | 2 Pairs Of Speaker Outputs A / B Selectable A or B selected 4 – 16 ? A & B selected 8 – 16 ? Connection via Binding Posts or Banana Plugs |
| POWER REQUIREMENTS | 230V AC, 200W Max |
| DIMENSIONS | 435 x 105x 335 mm |