

# AS-123RUB

STEREO AMPLIFIER

INSTRUCTION MANUAL



**FONESTAR**

We take this opportunity to thank you for buying this product.

We recommend you read the instruction manual before switching on the machine and follow the instructions that are given. Keep the manual for future reference.

## **SECURITY AND THE ENVIRONMENT**

### **ELECTRICAL SECURITY**

Check that the current in the mains connection where the machine is to be installed corresponds to the power supply of the machine.

To avoid damaging the equipment, electrical shocks, fire or physical injury when you connect or disconnect the equipment from the power supply, pull the plug firmly out of the mains socket holding the plug, never the cable.

Always do this with dry hands.

Keep the power supply cable far from sources of heat. Do not put heavy objects on top of it or change it.

Clean dust and dirt off the power supply cable regularly.

Do not open the machine; you could get an electric shock.

### **CAUTION**

While installing the machine, make sure it is switched off and unplugged.

Do not open the machine. Touching the internal parts is dangerous and you could receive an electric shock.

The machine must not be splashed or dripped on. Never place recipients with liquid inside on the machine.

Do not place anything inside the machine.

### **LOCATION**

Place the equipment on a horizontal surface with enough space around it to allow ventilation.

Avoid direct sunlight, heat sources and excessive dust.

Do not place the machine near magnetic fields or static electricity.

Do not use surfaces which vibrate or receive impact.

Do not pile machines on top of one another.

### **VENTILATION**

Never block or cover the ventilation slits on the machine.

Do not expose it to direct sunlight or place it near sources of heat.

### **PERIODS OF INACTIVITY**

When the machine is not going to be used for a long period of time, disconnect it from the mains.

If you are using an adapter, take into account that it will continue using electricity even if the machine is switched off. If it is not going to be used for a long period of time, disconnect it from the mains.

### **THE ENVIRONMENT**

To save energy, switch the machine off when you are not going to use it for a long time. The machine could contain substances that are harmful to the environment or human health. To minimize the effect of these substances the machine must be correctly managed and recycled when you decide to dispose of it.

When you dispose of it remember: it cannot be thrown into a conventional rubbish bin.

If it contains or uses batteries, these must be disposed of separately.

The machine (without batteries) must be disposed of correctly. Put it in a container specially intended for the collection of electronic and electrical appliances, at the dump or hand it over to the dealer when you purchase similar equipment, so that the dealer can dispose of it correctly (at no added cost).

## SIGNIFICANCE OF THE SYMBOLS ON THE MACHINE\*



The symbol formed by the expression “Class 1 laser product” written in a rectangle indicates that visible or invisible laser radiation could be produced. Avoid direct exposure to the laser.



The symbol formed by a ray of lightning inside a triangle shows that the machine has connection terminals or a circuit with areas with a current which could cause an electric shock, even in normal working conditions.



The symbol formed by an exclamation mark in a triangle shows that the instruction manual must be referred to for information on how the machine works and its use.



The symbol formed by one square inside another square shows that the machine has double electrical insulation.



The European Community symbol shows that the machine complies with the current European Union legislation, as well as its transposition to local legislation.



The symbol of a rubbish bin crossed out and over a horizontal line shows that when the product is disposed of it must be done properly, placing it in a special selective electronic and electrical equipment container or through a dealer when purchasing a similar product, at no additional cost. It also shows that the machine was put on the market after 13th August 2005 (European Community Directive 2002/96/CE of Electrical and Electronic recycling, and its Spanish equivalent R.D.208/2005).

In accordance with what is set out in the aforementioned decree, FONESTAR is registered in the RAEE (Registro de Aparatos Eléctricos y Electrónicos) in a special section REI (Registro de establecimientos Industriales), with the entry number 001851.

\*It is possible that some of these symbols do not appear on the machine.

## EXEMPTION OF LIABILITY

The characteristics of the equipment and the content of the manual can change without forewarning.

**FONESTAR, S.A.** does not assume responsibilities regarding the inappropriate use of the equipment or the information supplied in this instruction manual, and specifically disclaims any implied liability for marketability or fitness for any other use.

All rights reserved by **FONESTAR, S.A.**

## DESCRIPTION

The model **AS-123RUB** is a 60 + 60 W RMS, 8 Ω stereo amplifier with karaoke function, high quality sound and optimum performance. Specially suitable for commercial applications in shops, bars, etc. and for domestic use.

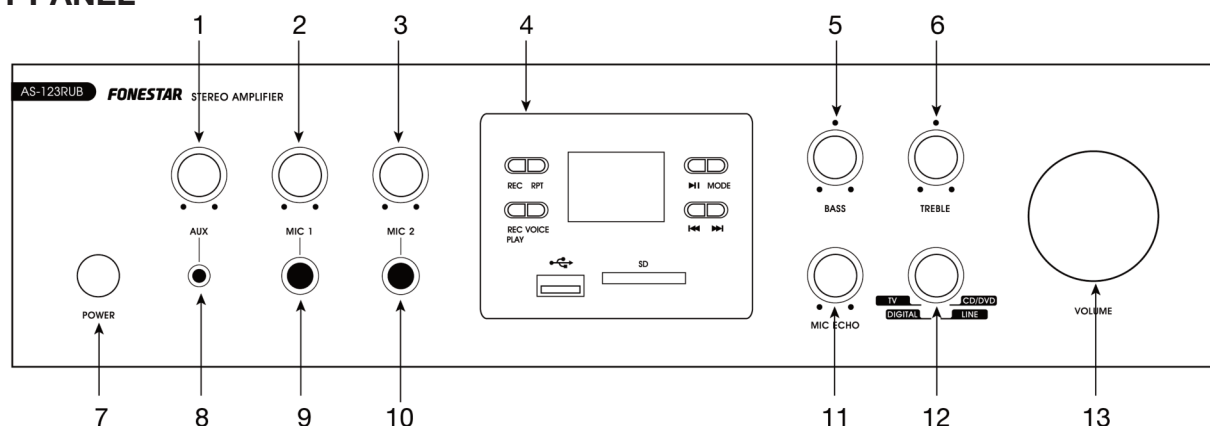
It incorporates an MP3 file player which admits the connection of USB storage devices and SD memory cards. It is also equipped with a digital FM radio tuner and incorporates a bluetooth receiver to play music received from a mobile telephone. Remote control for the player.

2 microphone inputs with independent volume control allow the amplifier's karaoke function to be used. It is also equipped with 4 inputs which facilitate the connection of different audio sources (LINE, CD/DVD, TV and AUX in the front panel). Digital audio toslink and RCA input.

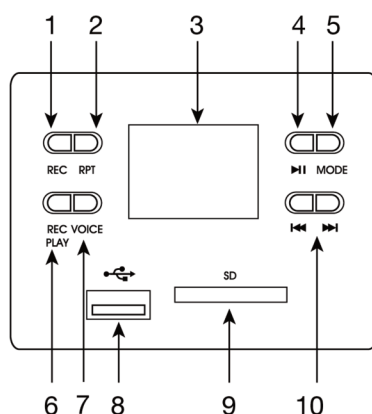
Main and surround loudspeaker output.

## CONTROLS AND FUNCTIONS

### FRONT PANEL



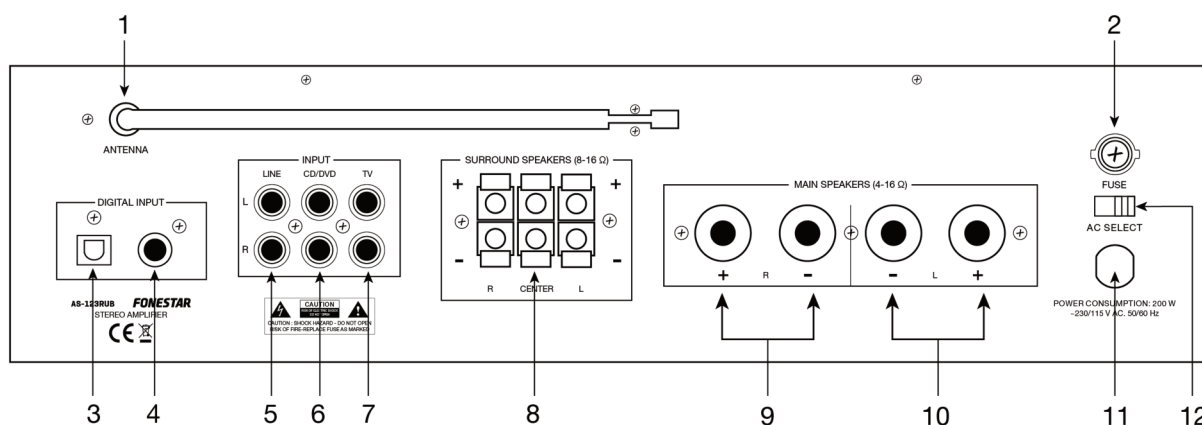
- 1.- Aux input volume control.
- 2.- MIC 1 microphone input volume control.
- 3.- MIC 2 microphone input volume control.
- 4.- USB/SD/MP3 player, radio tuner and bluetooth receiver.



- 1.- **REC**: allows recording to begin. The module will record the AUX input.
- 2.- **RPT**: allows the repetition mode to be selected.
- 3.- Information display.
- 4.- **▶||**: in playback mode, allows starting/pausing of playback. In radio mode, it allows FM radio stations to be automatically tuned.
- 5.- **MODE**: allows the audio source to be selected among USB storage device, SD memory card, FM radio tuner or bluetooth receiver.
- 6.- **REC PLAY**: allows playback of a message recorded with the REC function.
- 7.- **VOICE**: allows the player's voice messages to be activated.
- 8.- USB storage device connection port.

- 9.- SD memory card connection slot.
- 10.- **⏮/⏭**: in playback mode, allows passing to the previous/next track. In radio mode, allows the previous/next preset radio station to be selected during an automatic search.
- 5.- **BASS**: control which reinforces or attenuates bass frequencies.
- 6.- **TREBLE**: control which reinforces or attenuates treble frequencies.
- 7.- **POWER**: amplifier on/off button.
- 8.- **AUX**: aux line level input, 3.5 mm jack connector.
- 9.- **MIC 1**: mic. level input 1, 6.3 mm jack connector.
- 10.- **MIC 2**: mic. level input 2, 6.3 mm jack connector.
- 11.- **MIC ECHO**: control for the adjustment of the number of repetitions of the echo effect in the microphone inputs MIC 1 and MIC 2.
- 12.- Allows selection of the input signal among the following: DIGITAL INPUT (digital audio input), TV, LINE and CD/DVD (stereo inputs 2 x RCA analogical audio).
- 13.- **VOLUME**: amplifier general volume control.

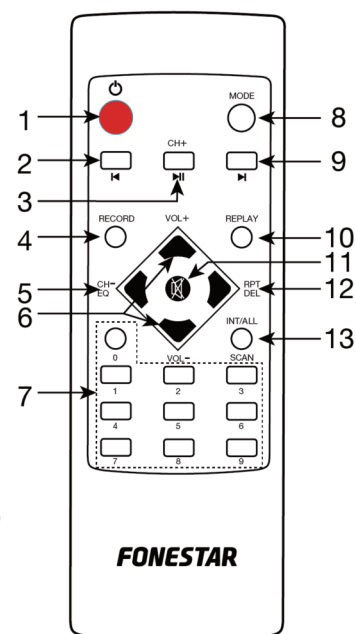
## REAR PANEL



- 1.- Telescopic aerial.
- 2.- **FUSE**: AC power supply circuit protective fuse.
- 3.- **DIGITAL INPUT**: digital audio optical and coaxial inputs, toslink and RCA connectors.
- 4.- **INPUT (LINE, CD/DVD, TV)**: line level aux inputs, 2 x RCA connectors.
- 5.- **SURROUND SPEAKERS**: surround speaker output, spring terminals. Connect low impedance loudspeakers (8-16  $\Omega$ ) to achieve a spatial effect reinforcing the loudspeaker output.
- 6.- **MAIN SPEAKERS**: main stereo loudspeaker output, screw terminals or banana plugs. Connect low impedance loudspeakers (4-16  $\Omega$ ). For more information, consult the Connection section.
- 7.- AC power supply cable.
- 8.- **AC SELECT**: power supply voltage selector.

## REMOTE CONTROL

- 1.- **⏻**: button to switch the player module on/off.
- 2.- **⏮**: in playback mode, rewinds playback quickly.
- 3.- **CH+/▶II**: in playback mode, allows starting/pausing of playback.  
In radio mode, allows selection of next preset radio station.
- 4.- **RECORD**: allows recording of aux input (AUX) in the USB storage device or in the SD memory card.
- 5.- **CH-/EQ**: in playback mode, allows selection among the different equalizations that exist.  
In radio mode, allows selection of the previous preset station.
- 6.- **VOL+/-**: controls which allow the player's volume to be increased/decreased.
- 7.- **0-9**: number selection buttons.
- 8.- **MODE**: allows selection of audio source among USB storage device, SD memory card, FM radio tuner or bluetooth receiver
- 9.- **⏭**: in playback mode, fast forwards playback.
- 10.- **REPLAY**: allows playback mode to be selected: repeat one track or repeat all.
- 11.- **🔊**: activates/deactivates the audio output.
- 12.- **RPT DEL**: button which allows deactivation of track repetition mode.
- 13.- **SCAN**: allows FM stations to be automatically tuned.



## BLUETOOTH RECEIVER

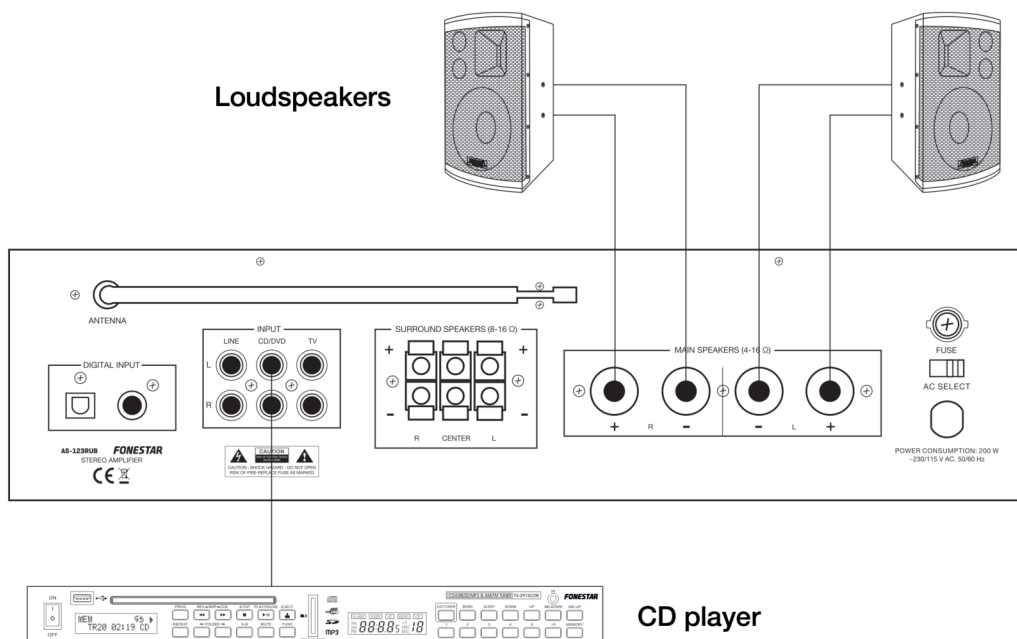
- This model **AS-123RUB** allows MP3 files contained in your mobile telephone to be played if the device is paired to the amplifier's bluetooth receiver module.
- To pair your mobile telephone to the bluetooth receiver, select the Bluetooth option with the MODE button located on the front panel of the amplifier or on the remote control. With the bluetooth option activated in your mobile telephone select the corresponding device from the list of bluetooth devices. At that moment, your mobile telephone will be paired to the device.
- The playback options (playback, pause, previous/next track, etc) are available using the controls on the amplifier itself or the remote control.

## CONNECTION

- Make the connections with the amplifier and all the components of the installation switched off and disconnected from the power supply.
- Connect the audio devices or required microphones to the corresponding inputs. Dynamic microphones can be connected in the inputs designed for this purpose in the rear panel of the amplifier (MIC 1 and MIC 2).
- Line level sources can be connected in the inputs designed for this purpose in the rear panel of the amplifier (LINE, CD/DVD and TV) or in the AUX input in the front panel.
- If required, the optical audio inputs located on the rear panel of the amplifier can be used.
- The amplifier is low impedance, which means that the loudspeakers must be connected in a series/parallel circuit so that the load impedance of the loudspeakers is the same as the impedance of the amplifier output and that the power supplied by the amplifier does not exceed that withstood by the loudspeakers:

$$60 + 60 \text{ W RMS, } 8 \Omega$$

- Powers the amplifier mod. **AS-123RUB**.
- Once the connections have been made according to your needs, connect the devices to the power supply and switch them on. After use, do not forget to switch off and disconnect the device from the power supply.



## TECHNICAL SPECIFICATIONS

	AS-123RUB
<b>CHARACTERISTICS</b>	<p>Stereo karaoke amplifier.          USB/SD/MP3 player/recorder.          Digital FM tuner.          Bluetooth receiver.          LCD display.          Remote control for the player.          2 microphones with independent volume control.          Stereo and surround loudspeaker output.</p>
<b>POWER</b>	60 + 60 W RMS, 8 Ω
<b>INPUTS</b>	<p>4 stereo inputs: line, CD/DVD and TV, 2 x RCA and in the front panel aux, 3.5 mm jack          2 unbalanced mics.with independent volume control, 6.3 mm jack          1 digital audio TOSLINK and RCA</p>
<b>OUTPUTS</b>	<p>Loudspeakers:          Main L/R, 4-16 Ω screw terminals or banana plugs          Surround L/C/R, 8-16 Ω, spring terminals.</p>
<b>RESPONSE</b>	20-20,000 Hz
<b>POWER SUPPLY</b>	230/115 V AC, 200 W
<b>DIMENSIONS</b>	360 x 100 x 300 mm depth



## DECLARATION OF CONFORMITY



### FONESTAR SISTEMAS S.A.

Polígono de Trascueto s/n

39600 Revilla de Camargo, Cantabria (Spain)

Declares, under its responsibility, that the following equipment:

**Description:** Stereo amplifier

**Brand:** FONESTAR

**Model:** AS-123RUB

complies with the European Community directives 2004/108/EC on Electromagnetic Compatibility, 2006/95/EC on Low Voltage and 2011/65/EU on the restriction on the use of certain dangerous substances in electrical and electronic appliances (RoHS).

Santander, 2nd May 2016

Juan Vallejo

Technical Engineer, Sales Department

## WARRANTY

This product has been tested and has passed the corresponding quality control prior to being put on the market.

**FONESTAR** guarantees the suitability of the product for its specified use during a period of 2 years from the delivery date and commits itself to repair or substitute the goods as expressed in the Spanish law 'La Ley General para la Defensa de los Consumidores y Usuarios, Real Decreto Legislativo 1/2007 16 Noviembre.

The lack of conformity in the first six months after purchase, due to a manufacturing defect, will be rectified with no more than showing the proof of purchase. After six months **FONESTAR** reserves the right to demand proof of the product being sold with that problem.

This warranty does not include damage produced by: inappropriate use or negligence, accidents, worn out parts due to use, breakages, burns, spilt liquids or other substances, excessive humidity, battery deterioration and internal manipulation of the device, the software or its components by unauthorized persons, and in general any use that is unrelated to the nature and purpose of the product.

If any service is needed during the warranty period because of lack of conformity, please contact the business or distributor where the product was purchased in no more than 2 months after being conscious of the problem. It is only necessary to contact **FONESTAR** if it is impossible or imposes an undue burden for them to solve it..

To benefit from this warranty it is necessary to show the proof of purchase with the date clearly visible, with no corrections or crossing out

This document adds information, and never decreases the consumers' rights, which in all cases are protected by the Spanish law 'La Ley General para la Defensa de los Consumidores y Usuarios, Real Decreto Legislativo 1/2007 16 Noviembre.



**FONESTAR** is a member of ECOEMBALAJES ESPAÑA, S.A. "ECOEMBES", with number 03497 and all our products carry the symbol, backed by our membership and subscription to the above mentioned organization with the recycling and subsequent management of our packaging.

FONESTAR, S.A. - NIF: A28780443 - Apartado 191 - 39080 Santander, Cantabria (SPAIN)

[www.fonestar.com](http://www.fonestar.com)