



SM-3192

12-CHANNEL STEREO MIXER

INSTRUCTION MANUAL



FONESTAR



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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 expose to the laser.



The symbol formed by a ray of lightening 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.**

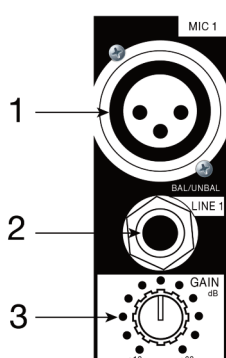
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DESCRIPTION

- The model **SM-3192** is a 12-channel stereo mixer, suitable for live applications, music group sound systems, meeting rooms, schools, places of worship, etc.
- The mixer inputs admit a wide variety of signals, the controls for each channel allow equalizing and level adjustment of the different audio sources, volume adjustment and to obtain a final mix of audio sources.
- Each input channel has a 3-band graphic equalizer, gain, high pass filter, aux send and balance. It incorporates +48 V phantom power supply selectable in the microphone inputs.
- Furthermore, it has recording, headphones, principal, effects and control room outputs (monitorized).

CONTROLS AND FUNCTIONS

FRONT PANEL

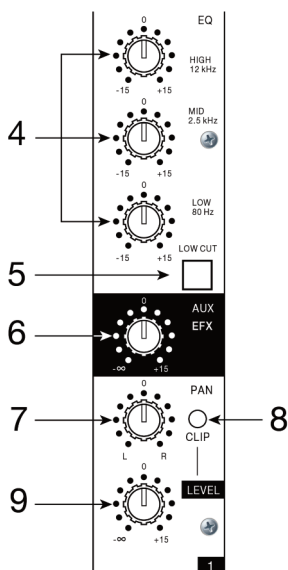


- 1.- **MIC**: balanced microphone input, female XLR connector. This connector has +48 V selectable phantom power supply. The preamplification circuit provides a gain without distortion and low noise.
- 2.- **LINE**: balanced line input, 6.3 mm jack connector. Unbalanced signals can also be connected.
- 3.- **GAIN**: gain control of corresponding input.
- 4.- Tone controls. Equalizer that adjusts the level of bass, mid and trebles, in the corresponding channel. Controls with a gain of ± 15 dB.

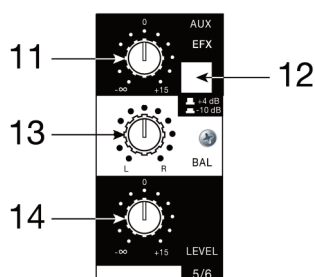
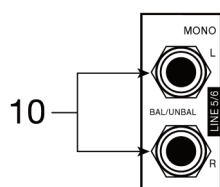
HIGH: low pass filter with cut-off frequency of 12 kHz.

MID: band pass filter with central frequency of 2.5 kHz.

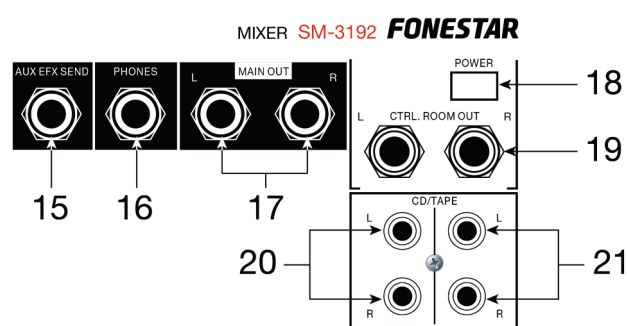
LOW: high pass filter with cut off frequency of 80 Hz.



- 5.- **LOW CUT**: pressing this button activates the high pass filter with steep attenuation, the cut-off frequency is 75 Hz. This filter is used to reduce electric noise and stage noise when the microphones are in use.
- 6.- **AUX/EFX**: send to bus volume control AUX/EFX (post-fader).
- 7.- **PAN**: control which adjusts the stereo image of the mono channel or the stereo channel in the final mix.
- 8.- **CLIP**: LED indicator which lights up when the input signal is too high. In this case reduce the input level using the GAIN control until the LED indicator switches off or lights up occasionally.
- 9.- **LEVEL**: channel output signal volume control that sends to bus of the main mixer MAIN MIX.

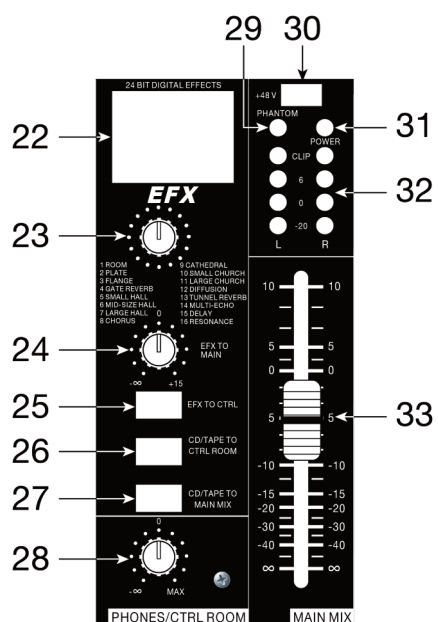


- 10.- **LINE 5/6, 7/8, 9/10, 11/12:** balanced line level inputs with the possibility of connecting mono or stereo inputs, 2 x 6.3 mm jack connector. If you wish to use the channel as a mono channel, only use channel L.
- 11.- **AUX/EFX:** send to bus volume control AUX/EFX (post-fader).
- 12.- Input sensitivity selector for the stereo channels.
- 13.- **BAL:** control which adjusts the stereo channel balance in the final mix.
- 14.- **LEVEL:** output signal volume control of the channel which sends to bus the main mix MAIN MIX.



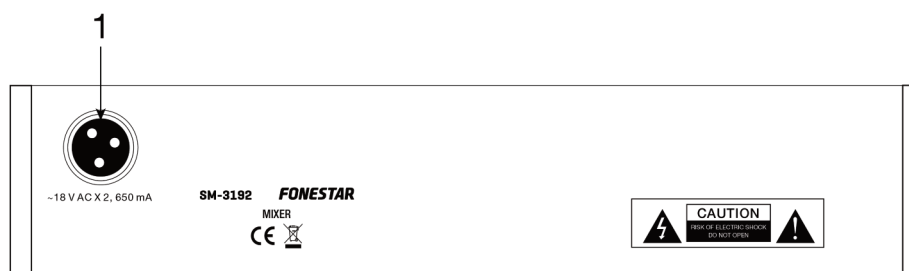
- 15.- **AUX EFX SEND:** signal output of the mix of assigned channels to AUX/EFX bus (post-fader), 6.3 mm jack connector.
- 16.- **PHONES:** stereo headphones output, 6.3 mm jack connector.
- 17.- **MAIN OUT:** unbalanced stereo line level output, 2 x 6.3 mm jack connectors.
- 18.- **POWER:** mixer on/off switch.
- 19.- **CTRL ROOM OUT:** unbalanced stereo line level output, 2 x 6.3 mm jack connectors.
- 20.- **CD/TAPE INPUT:** unbalanced line level input for direct assignment to the output MAIN MIX or CTRL ROOM.
- 21.- **CD/TAPE OUTPUT:** recording output of line level output MAIN MIX.

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- 22.- Visualisation display of selected effect.
- 23.- **EFX**: effect selection knob.
- 24.- **EFX TO MAIN**: gain control of effects to main bus MAIN MIX module.
- 25.- **EXF TO CTRL**: allows selection of sending just one effects bus to the output CTRL ROOM.
- 26.- **CD/TAPE TO CTRL ROOM**: allows selection of sending from the CD/TAPE input to the CTRL ROOM output
- 27.- **CD/TAPE TO MAIN MIX**: allows selection of sending from the CD/TAPE input to the MAIN OUT output.
- 28.- **PHONES/CTRL ROOM**: volume control of the signal sent to the headphone cueing and to the CTRL ROOM output.
- 29.- LED phantom power supply activation indicator.
- 30.- **PHANTOM +48 V**: activates a +48 V power supply for the microphone XLR inputs.
- 31.- **POWER**: LED mixer power indicator.
- 32.- LED indicators that show the signal level of the selected output (MAIN MIX or AUX/EFX SEND).
- 33.- Sliding volume control of the MAIN MIX output.

REAR PANEL



- 1.- Mixer power supply input. Use the mains adapter provided.

CONNECTION

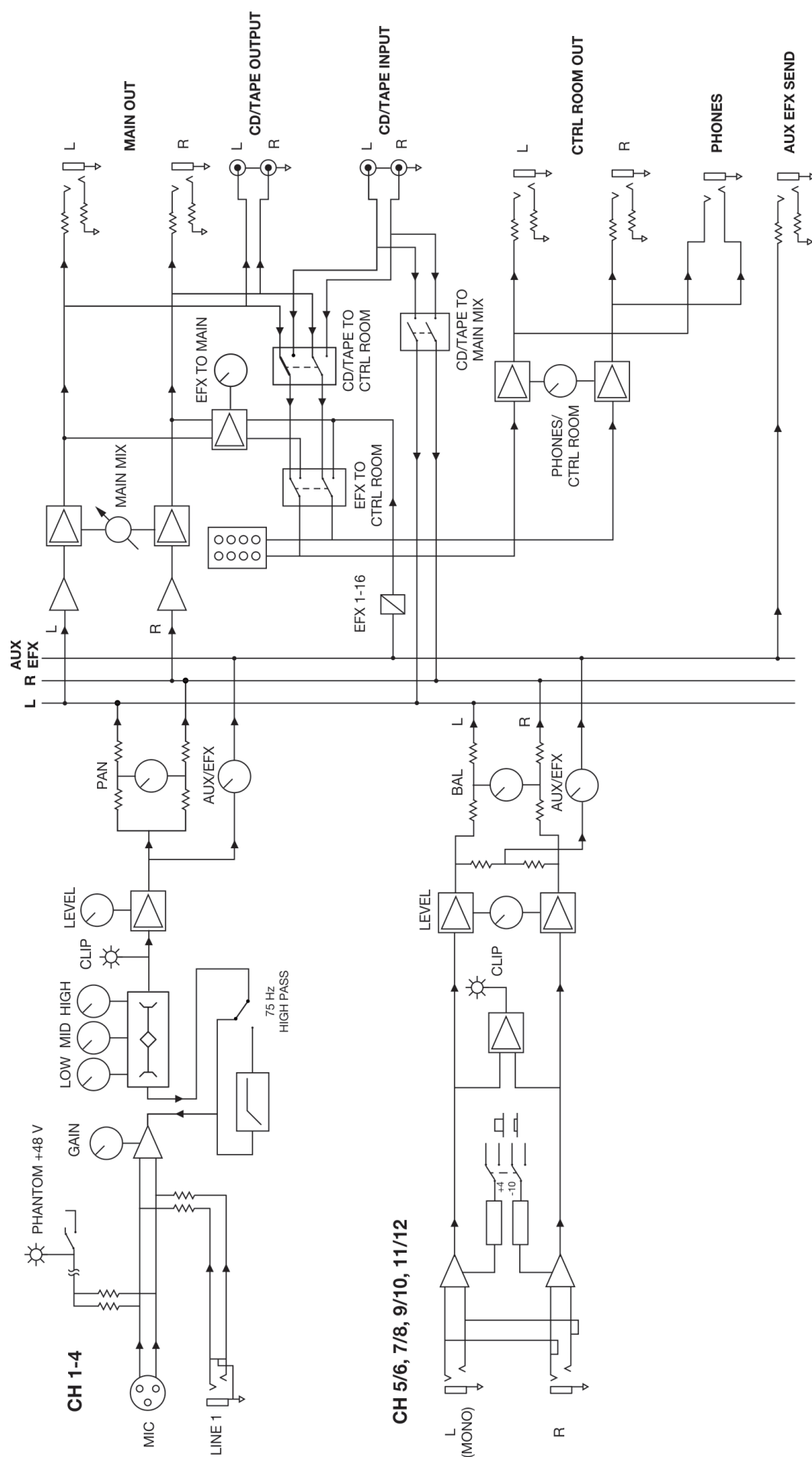
- Before making any connections make sure that all the devices are switched off and disconnected from the power supply.
- Check that the volume controls of each channel and the sliding volume control MAIN MIX are at their minimum.
- Connect the required devices to the channel inputs, use the XLR connector if it is a microphone or the jack connectors if it is a line level input.
- The send aux post-fader AUX/EFX can be used to connect an external audio processor.
- Connect the unbalanced MAIN OUT output to a line level input of an amplifier. If you wish, the CTRL ROOM output can be connected to autoamplified monitorized loudspeakers.
- Connect the devices to the power supply.
- Switch on the devices in this order: firstly the peripheral devices such as CD players, followed by the , mixer **SM-3192** and finally, the power amplifier.

TECHNICAL SPECIFICATIONS

	SM-3192
CHARACTERISTICS	Stereo mixer with 4 mono channels and 4 stereo channels. 16 digital effects processor.
INPUTS	4 balanced mics., XLR or 4 balanced lines 6.3 mm jack 4 balanced aux line stereo channels, 2 x 6.3 mm jack 1 CD/tape in stereo, 2 x RCA
CONTROLS	8 controls per mono channel : gain, 3-band equalizer, bass filter, aux/effects send, pan, volume and LED clip indicator 4 controls per stereo channel: attenuation, aux/effects send, balance and volume Effects and send selection Headphone volume Independent main output volume control.
OUTPUTS	Unbalanced stereo main, 2 x 6.3 mm jack Unbalanced mono aux/effects, 6.3 mm jack Unbalanced stereo control room, 2 x 6.3 mm jack Stereo CD/tape out, 2 x RCA Stereo headphones, 6.3 mm jack
PHANTOM	48 V
RESPONSE	20-20,000 Hz
POWER SUPPLY	18 V AC x 2, 650 mA with adapter included
DIMENSIONS	254 x 50 x 224 mm depth

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BLOCK DIAGRAM





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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.

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