

MIX-8PRO

BLUETOOTH®/USB/PC 8-CHANNEL MIXER

MEZCLADOR 8 CANALES BLUETOOTH®/USB/PC

TABLE DE MIXAGE 8 CANAUX BLUETOOTH®/USB/PC

MISTURADOR 8 CANAIS BLUETOOTH®/USB/PC



INSTRUCTION MANUAL/MANUAL DE USUARIO/
MODE D'EMPLOI/MANUAL DE INSTRUÇÕES

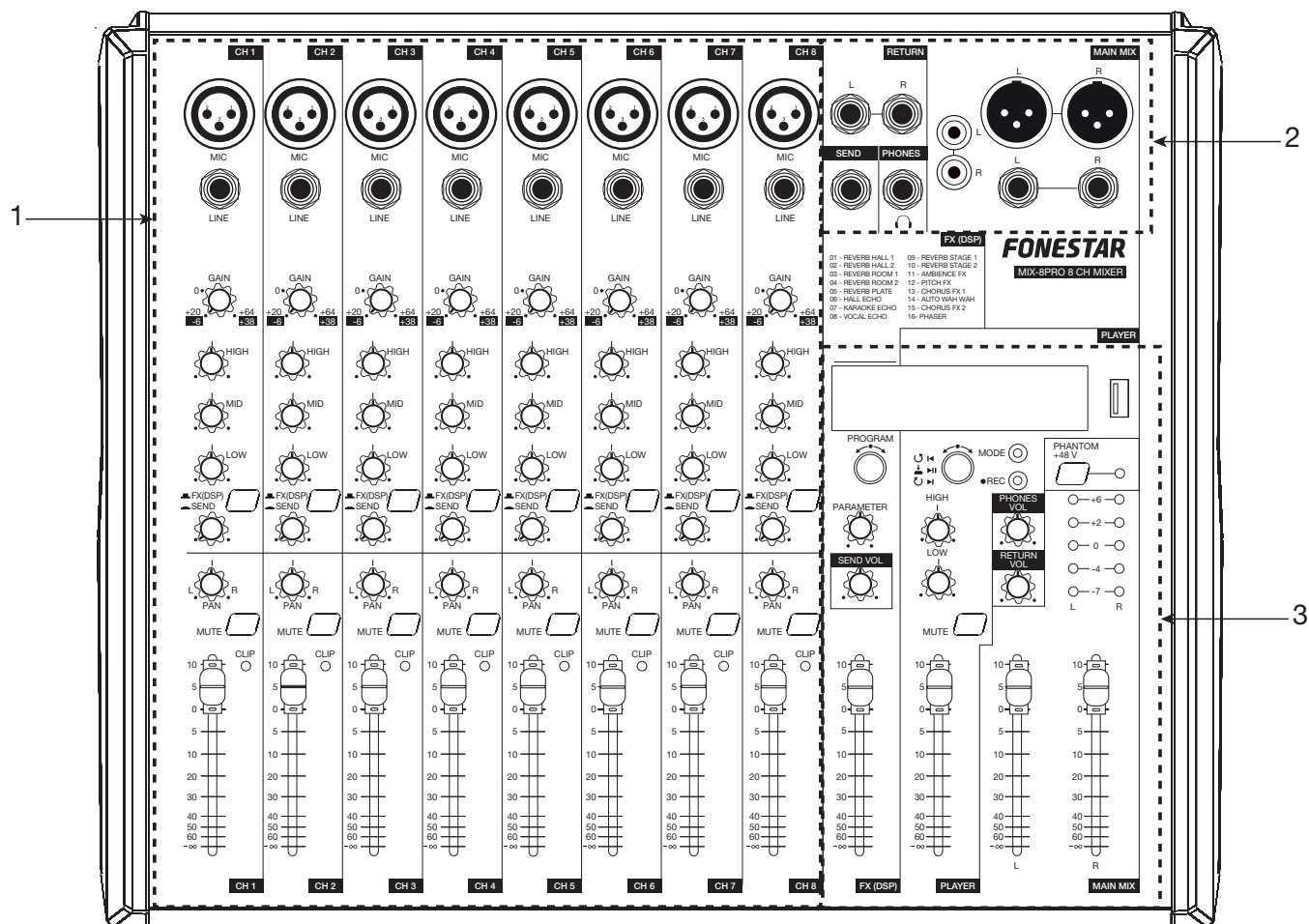
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DESCRIPTION

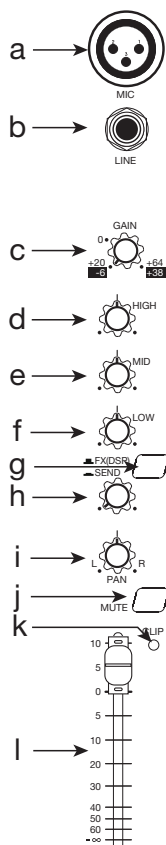
- Professional 8-channel stereo mixer with PC audio card, USB recorder/player and Bluetooth receiver.
- Connect the mixer to your PC as a Plug and Play audio card on Windows and Mac. You can play audio content from your PC via USB connection.
- USB player and recorder, play music or record the event without the need of a PC.
- It includes a 24-bit digital effects processor (16 effects), which will give an extra touch of quality to your events.
- In addition, 48 V phantom power supply is available for the use of condenser microphones.

CONTROLS

REAR PANEL

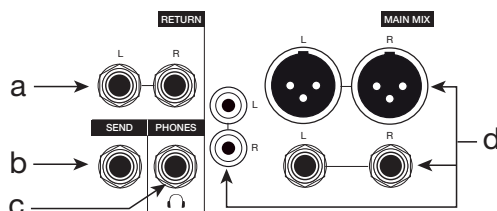


1.- Mixer inputs:



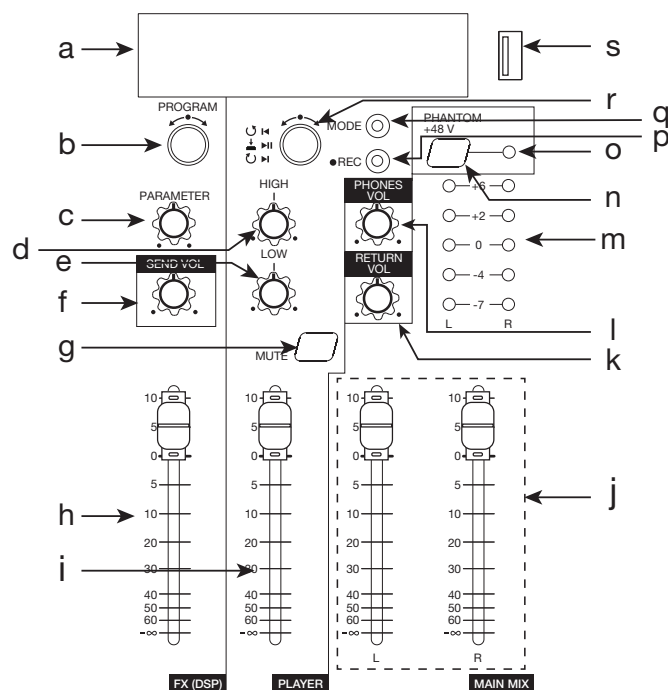
- a.- **MIC**: microphone input, use the channel GAIN control to change the input sensitivity, balanced XLR connector. It is possible to connect condenser microphones. For this purpose, the phantom power must be switched on with the PHANTOM +48 V button.
- b.- **LINE**: line input, use the channel GAIN control to change the input sensitivity, 6.3 mm jack unbalanced.
- c.- **GAIN**: input gain control. For the MIC microphone input (XLR) the range is from +20 dB to +64 dB, and for the LINE input (6.3 mm jack) from -6 dB to +38 dB.
- d.- **HIGH**: high pass filter with 12 kHz cut-off frequency.
- e.- **MID**: band pass filter with a centre frequency of 2.5 kHz.
- f.- **LOW**: low pass filter with 80 Hz cut-off frequency.
- g.- **FX (DSP)/SEND**: channel send selector to the FX (DSP) integrated effects processor or to the SEND bus.
- h.- Volume control of signal to be sent to FX (DSP) or SEND, depending on the FX (DSP)/SEND selection button.
- i.- **PAN**: control that adjusts the stereo image in the final mix.
- j.- **MUTE**: button that allows you to mute this channel which is sent to the SEND bus or to the FX integrated effects processor (DSP).
- k.- **CLIP**: LED which lights up when the input signal level is too high. In this case, decrease the input level by GAIN control until the LED turns off or turns on occasionally.
- l.- Input channel volume slider.

2.- Input and output connectors:



- a.- **RETURN**: stereo input for external effects processor with independent volume control, 2 x 6.3 mm jack balanced connectors. If you only insert the L connector, the audio received by the mixer will be distributed by L and R of the MAIN MIX output; if you connect both channels of the RETURN input, L and R, each channel will go to its respective L or R output of the MAIN MIX output.
- b.- **SEND**: line level output with independent volume control, 6.3 mm jack connector. This output will receive signal from channels with the FX (DSP)/SEND selector pressed in. Connect this output to an external effects processor and the output signal from this will return to the mixer via the RETURN input.
- c.- **PHONES** : headphone output for monitoring, 6.3 mm stereo jack.
- d.- **MAIN MIX**: MAIN MIX bus line level outputs, 2 x RCA, 2 x 6.3 mm jack and 2 x XLR connectors.

3.- Effects processor, player and other controls:

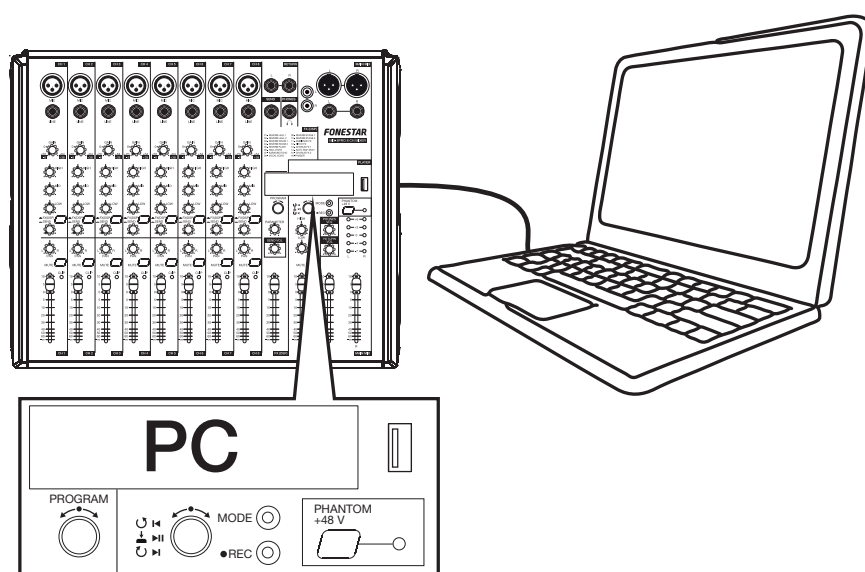


- a.- Information display. The first 2 digits on the left will show the programme selected in the FX (DSP) effects processor and the rest of the information is related to the player/recorder.
- b.- **PROGRAM - FX (DSP)**: rotary control for effect selection. Turn the control until the display shows the desired effect and press the same control to apply it. Finally, adjust the amount of effect from the PARAMETER control and its volume with the FX (DSP) slider. This output will receive signal from channels that have the FX (DSP)/SEND selector unpressed. The 16 available effects are as follows:

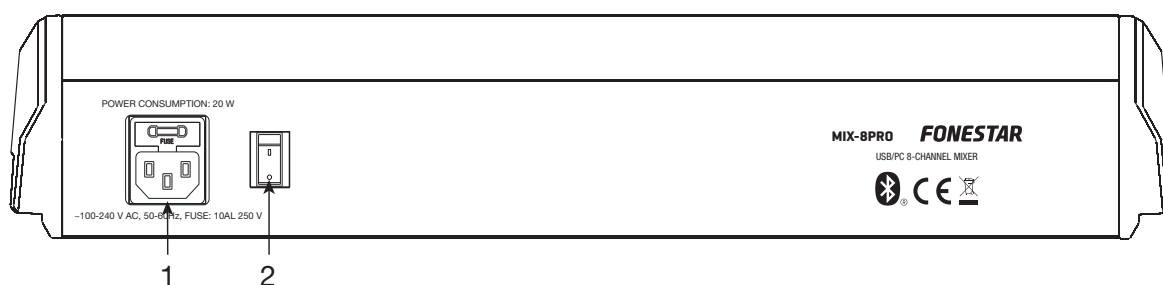
PROGRAMME	EFFECT
01	REVERB HALL 1
02	REVERB HALL 2
03	REVERB ROOM 1
04	REVERB ROOM 2
05	REVERB PLATE
06	HALL ECHO
07	KARAOKE ECHO
08	VOCAL ECHO
09	REVERB STAGE 1
10	REVERB STAGE 2
11	AMBIENCE FX
12	PITCH FX
13	CHORUS FX 1
14	AUTO WAH WAH
15	CHORUS FX 2
16	PHASER

- c.- **PARAMETER - FX (DSP)**: control to regulate the amount of effect to be applied.
- d.- **HIGH**: high pass filter with 12 kHz cut-off frequency.
- e.- **LOW**: low pass filter with 50 Hz cut-off frequency.
- f.- **SEND VOL**: volume control of the SEND output signal.
- g.- **MUTE**: button to mute the signal from the player to the final MAIN MIX.
- h.- **FX (DSP)**: volume slider for the output of the built-in effects processor.

- i.- **PLAYER:** volume slider from the player to the MAIN MIX final mix.
- j.- **MAIN MIX (L-R):** volume sliders for the left (L) and right (R) channels of the MAIN MIX final mix.
- k.- **RETURN VOL:** volume control of the RETURN input.
- l.- **PHONES VOL:** volume control of the PHONES  monitor output.
- m.- Left (L) and right (R) channel signal level indicators of the MAIN MIX output signal level (dB).
An adequate signal level will cause the green indicators to light up, and the yellow indicators to light up in a timely manner. If the yellow indicators light up for an extended period of time, the output signal level should be reduced. The red indicators should not light up, if this happens you should reduce the output signal level to avoid damage to the equipment.
- n.- **PHANTOM +48V:** phantom power for the XLR connectors of the input channels. It must be activated when the microphone to be connected is a condenser microphone.
- o.- **PHANTOM +48V:** phantom power activation indicator light.
- p.- **REC:** button to start a recording or playback of recorded files.
AUDIO RECORDING: with the REC mode selected press the rotary control  to start recording and the counter on the display will start to increment indicating that recording has started. Press the rotary control  to pause the recording or long press the REC button to end the recording. When a recording is finished, playback of the recorded files will start in pause mode. Control the playback of these recordings with the rotary control on the player:
 -  : turn anti-clockwise to skip to the previous recording.
 -  : turn clockwise to skip to the next recording.
 -  : press the control to start or pause the playback of the recordings.
- q.- **MODE:** a short press allows you to change the mode of the player.
- r.- USB player controls and integrated Bluetooth:
 -  : turn counterclockwise to skip to the previous song.
 -  : turn clockwise to skip to the next song.
 -  : press the control to start or pause playback.
- s. USB port for playback of audio files from a USB device or cable connection to a PC/Mac.
PC/Mac CONNECTION (Plug and Play): by connecting a USB cable from this port to a PC/Mac, the PC/Mac will detect the mixer as an input and output device. That is, you can send audio to the PLAYER channel and receive the MAIN MIX audio on the PC/Mac as long as you have the PC mode selected on the player.



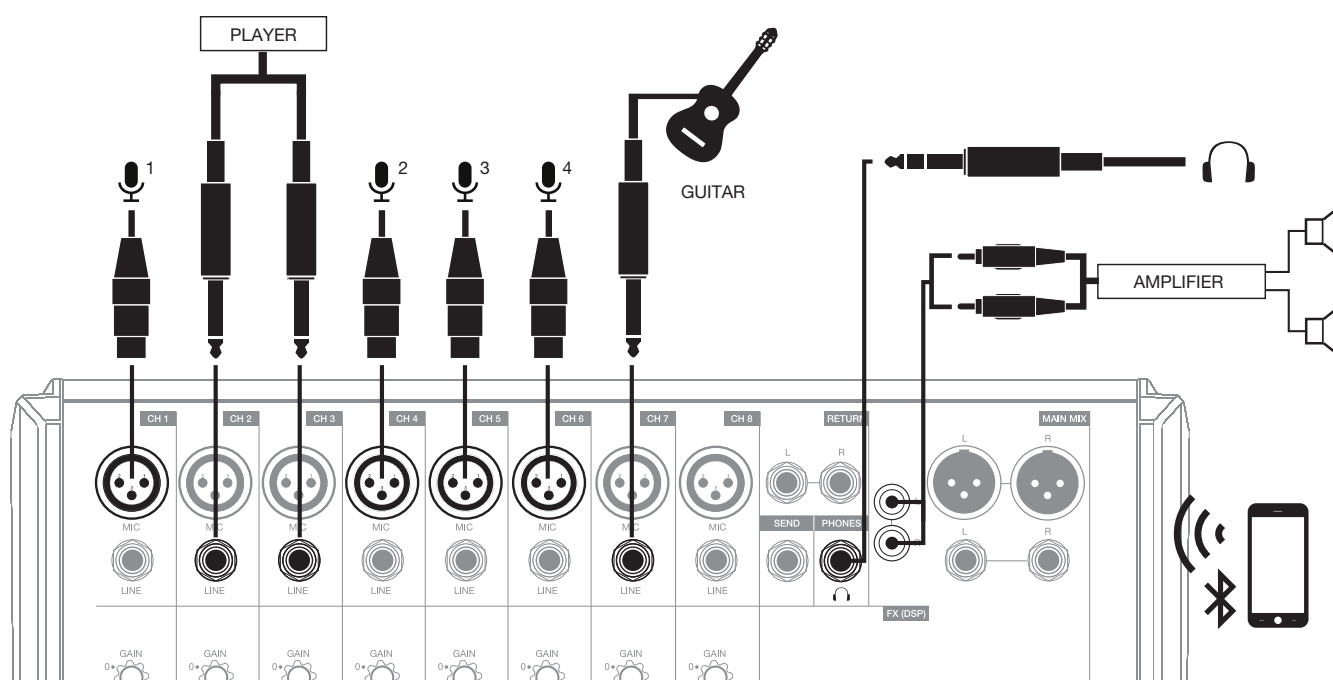
REAR PANEL



- 1.- AC power input.
- 2.- Equipment on/off switch.

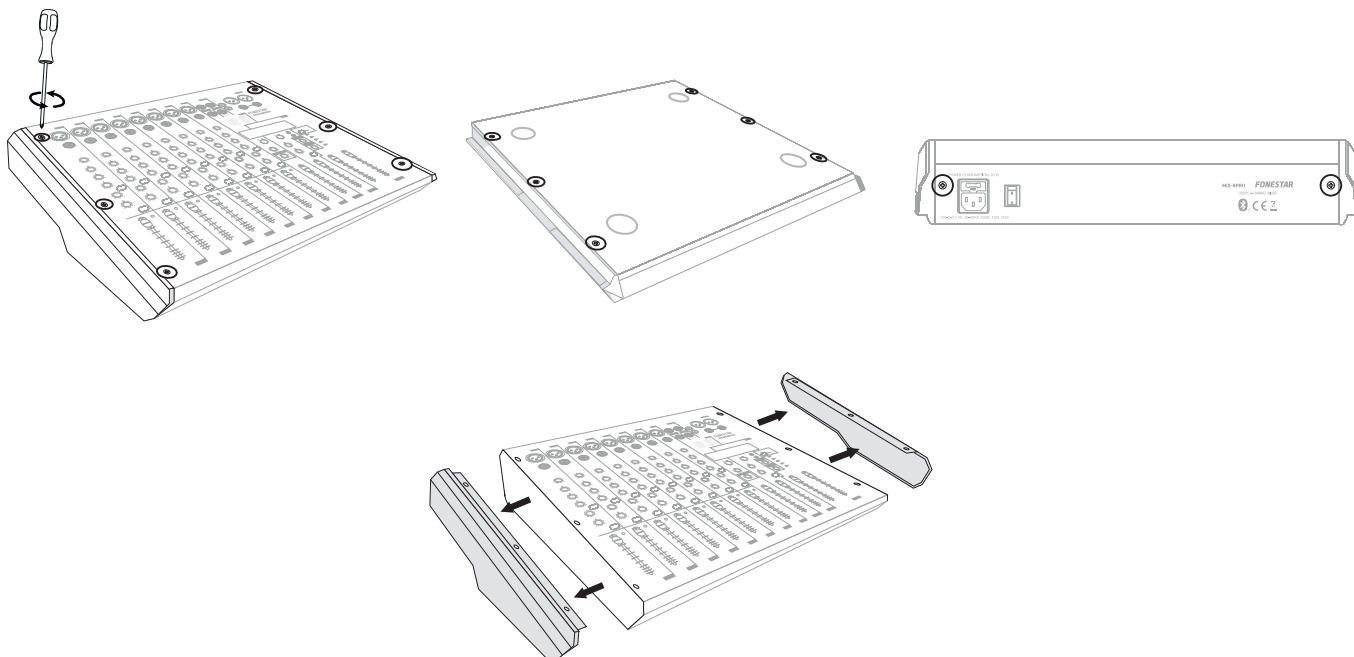
CONNECTION

- Before making any connections, make sure that all devices are switched off and disconnected from the power supply.
- Check that all volume controls on each input and the MAIN MIX output are set to minimum.
- Connect the desired equipment to the input channels.
- If you want to use the player, select the desired mode and then adjust the volume.
- Connect the MAIN MIX output to a line level input of a power amplifier.
- Connect the equipment to the power supply. Switch on the equipment in this order: peripheral equipment, followed by the **MIX-12PRO** mixer and lastly the power amplifier (if necessary).
- Adjust the gain of each channel by displaying the channel's CLIP indicator.
- Adjust the volume of each input channel with the volume sliders.
- Adjust the FX (DSP)/SEND volume of each channel if necessary.
- Adjust the volume of the FX effects (DSP) and/or the SEND output bus and RETURN input if necessary.
- Adjust the output level of the MAIN MIX main mix bus with its volume control.

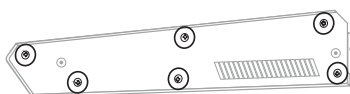


19" RACK INSTALLATION

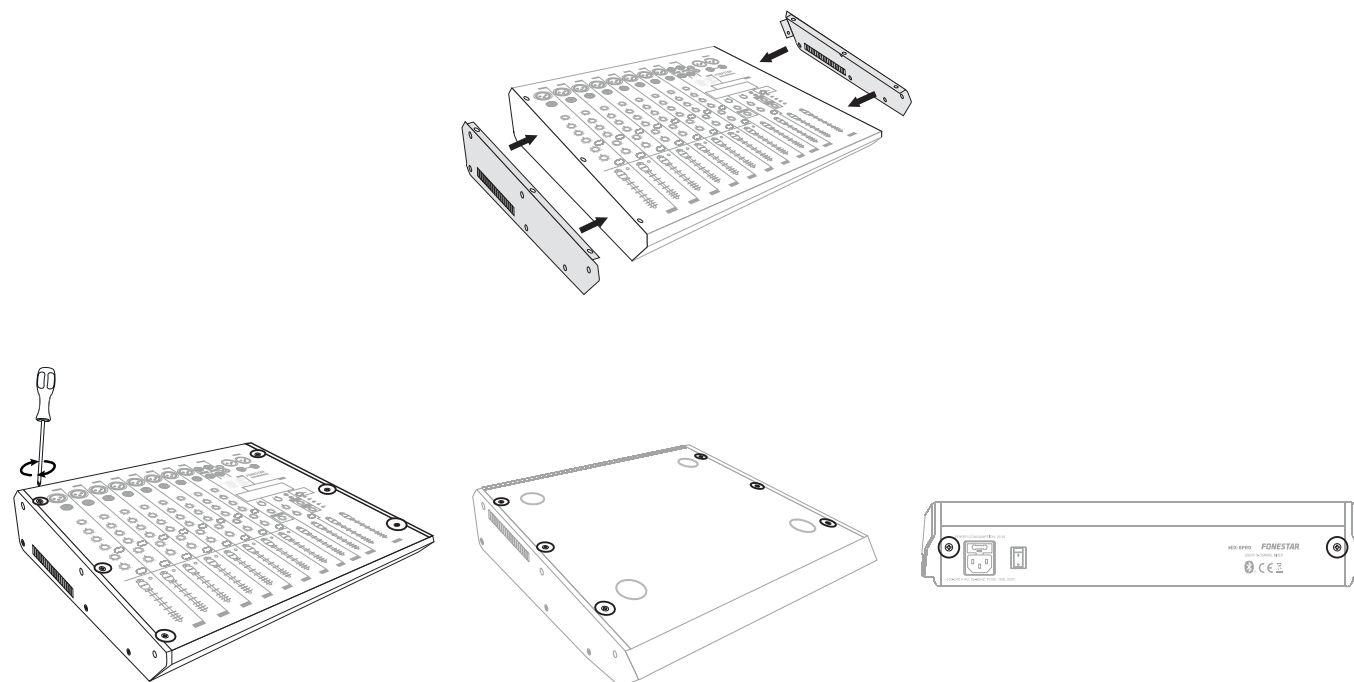
- To install this mixer in a 19" rack you will need to purchase the **SM-8PRO 7U** mounting brackets.
- Perform the following steps for installation:
 - 1.- Remove the profiles on both sides.



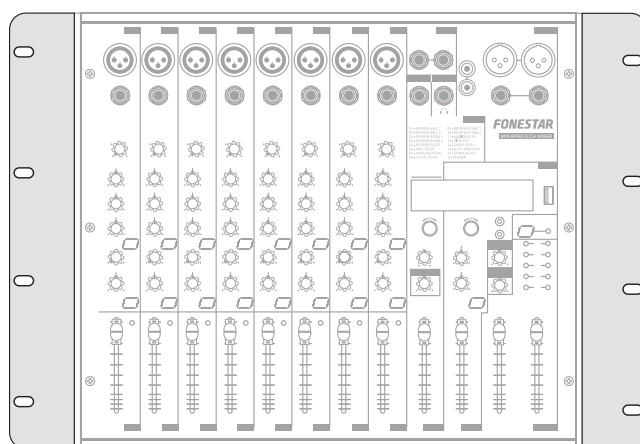
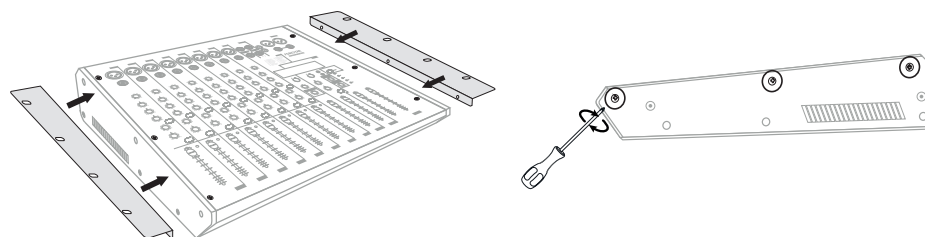
- 2.- Separate the chassis sides from the plastic parts.



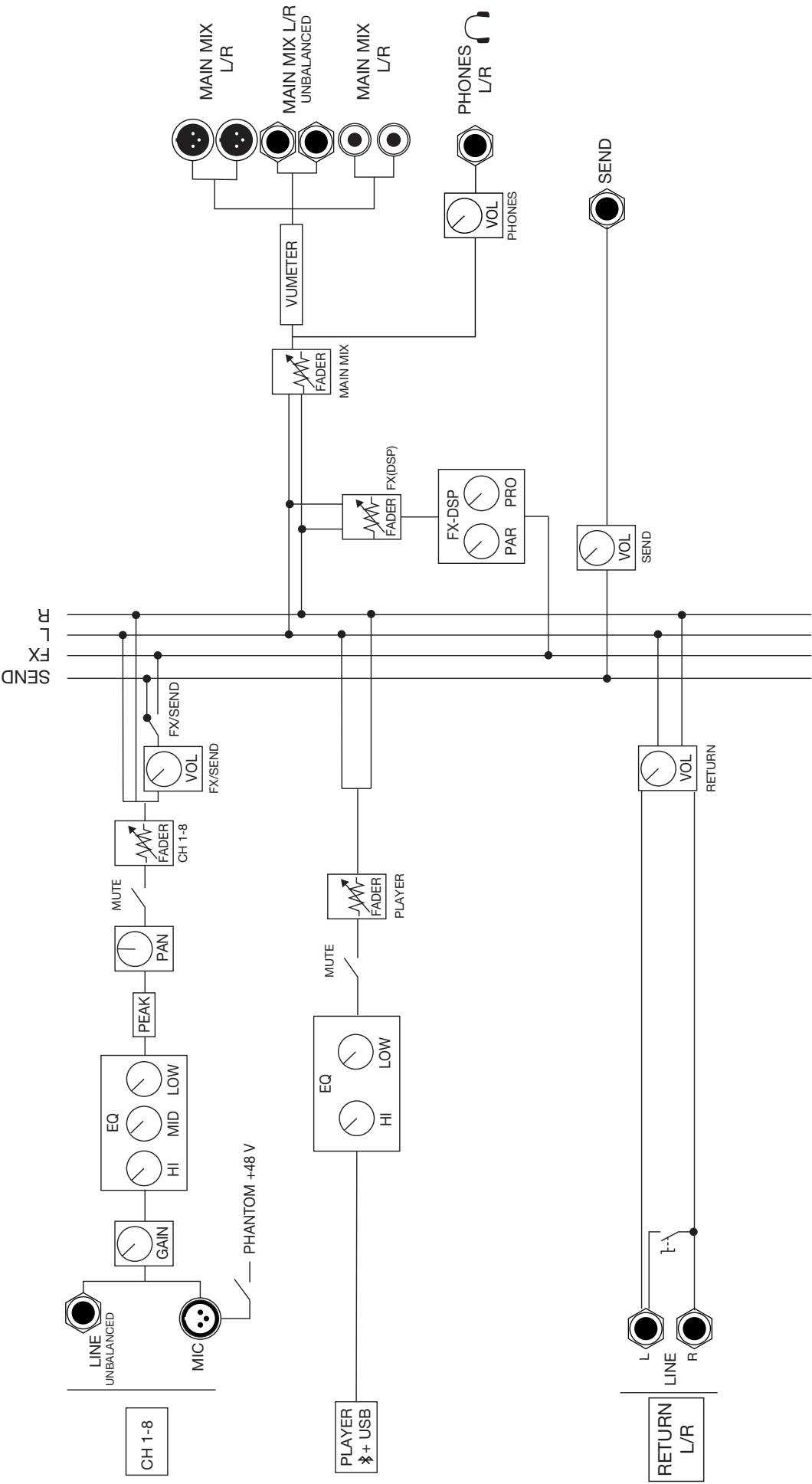
- 3.- Mount the chassis sides again.



4.- Mount the **SM-8PRO** brackets to the mixer with the screws supplied with the mixer.



BLOCK DIAGRAM



TECHNICAL SPECIFICATIONS

	MIX-8PRO
FEATURES	Professional 8-channel, 2-output mixer with independent volume controls. USB audio input for PC connection as Plug and Play audio card on Windows and Mac, allows audio playback from PC. 4.2 Bluetooth Receiver USB recorder/player. 16 digital effects processor.
USB PLAYER	Playback formats: WAV and MP3 MP3 recording USB port for USB stick connection or PC connection as Plug and Play audio card under Windows and Mac Supports memory up to 128 GB
INPUTS	8 balanced XLR mics, 600 Ω 2 mV (LED peak, 1 kHz, 20 mV RMS) 8 unbalanced lines, 6.3 mm jack, 47,000 Ω 45 mV (LED peak, 1 kHz, 180 mV RMS) 2 balanced returns, 2 x 6.3 mm jack, 47,000 Ω 300 mV RMS
OUTPUTS	1 stereo main (2 x XLR or 2 x 6.3 mm jack), 5 V RMS 1 stereo line, 2 x RCA, 5 V RMS 1 post-fader send, 6.3 mm jack, 5 V RMS 1 stereo headphone, 6.3 mm jack
CONTROLS	Mic/line: low-cut filter (18 dB/octave, 75 Hz), gain, bass (± 15 dB, 80 Hz), mid (± 15 dB, 2,500 Hz), treble (± 15 dB, 12,000 Hz), aux/EFX send, pan, mute and slide volume control USB recorder/player: mode, play/pause/rec, song forward/reverse, bass (± 15 dB, 80 Hz), treble (± 15 dB, 12,000 Hz) and slider volume control Main: sliding volume control Phones: volume control Post-fader aux send: volume control Aux returns: volume control DSP effects processor: effect selection, repeat and slider volume control
FUNCTIONS	Sliders per channel 3-band EQ on channels 1 to 8 2-band equaliser on USB recorder/player Overload and master output level indicator lights
PHANTOM	48 V, selectable
RESPONSE	20-20,000 Hz
DISTORTION	Harmonic: 0.07 %
S/N RATIO	> 65 dB
POWER SUPPLY	100-240 V AC, 20 W maximum
DIMENSIONS	390 x 85 x 320 mm depth
OPTIONAL	SM-8PRO : soportes para montaje en rack 19"

SIMPLIFIED EU DECLARATION OF CONFORMITY

FONESTAR SISTEMAS S.A. hereby declares that the Bluetooth/USB/PC 8-channel mixer MIX-8PRO complies with Directive 2014/53/EU.

The complete text of the EU Declaration of Conformity is available at the following internet address:

fonestar.com/MIX-8PRO

www.fonestar.com