



MX SERIES

USER'S MANUAL



TOPP PRO MUSIC GEAR
www.topppro.com

MX.22/2FX
MX.26/2FX



MAX ***SERIES***

Important Safety Instructions



This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.



This symbol, wherever used, alerts you to important operating and maintenance instructions.

Please read.



Protective Ground Terminal



AC mains (Alternating Current)



AC mains (Alternating Current)

ON:

Denotes the product is turned on.

OFF:

Denotes the product is turned off.

WARNING

Describes precautions that should be observed to prevent the possibility of death or injury to the user.



CAUTION

Describes precautions that should be observed to prevent damage to the product. Disposing of this product should not be placed in municipal waste but rather in a separate collection.

WARNING

Power Supply

Ensure that them a inssource voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user. Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

External Connection

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt, seek advice from a registered electrician.

Do Not Remove Any Covers

Within the product are areas where high voltages may present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed. Covers should be removed by qualified service personnel only.

No user serviceable parts inside.

Fuse

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

Protective Ground

Before turning the unit ON, make sure that it is connected to Ground. This is to prevent the risk of electric shock.

Never cut internal or external Ground wires. Like wise, never remove Ground wiring from the Protective Ground Terminal.

Operating Conditions

Always install in accordance with the manufacturer's instructions.

To avoid the risk of electric shock and damage, do not subject this product to any liquid/rain or moisture.

Do not use this product when in close proximity to water.

Do not install this product near any direct heat source.

Do not block areas of ventilation. Failure to do so could result in fire.

Keep product away from naked flames.

IMPORTANT SAFETY INSTRUCTIONS

Read these instructions

Follow all instructions

Keep these instructions. Do not discard.

Heed all warnings.

Only use attachments/ accessories specified by the manufacturer.

Power Cord and Plug

Do not tamper with the power cord or plug. These are designed for your safety.

Do not remove Ground connections!

If the plug does not fit your AC out let seek advice from a qualified electrician.

Protect the power cord and plug from any physical stress to avoid risk of electric shock.

Do not place heavy objects on the power cord. This could cause electric shock or fire.

Cleaning

When required, either blow off dust from the product or use a dry cloth.

Do not use any solvents such as Benzol or Alcohol.

For safety, keep product clean and free from dust.

Servicing

Refer all servicing to qualified service personnel only.

Do not perform any servicing other than those instructions contained within the User's Manual.

PORTABLE CART WARNING



Carts and stands - The component should be used only with a cart or stand that is recommended by the manufacturer. A component and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the component and cart combination to overturn.

Garantía

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Topp Pro garantiza el normal funcionamiento del producto contra cualquier defecto de fabricación y/o vicio de material, por el término de (12) meses, contados a partir de la fecha de compra por parte del usuario, comprometiéndose a reparar o cambiar, a su elección, sin cargo alguno, cualquier pieza o componente que fallare en condiciones normales de uso dentro del período mencionado.

Para que ésta garantía sea válida, el comprador original deberá presentar este certificado debidamente sellado y firmado por la casa vendedora, acompañado por la correspondiente factura de compra donde constará el modelo y número de serie del equipo adquirido.

La garantía no cubre:

- Daños ocasionados por el uso indebido del producto, reparación y/o modificación efectuados por personas no autorizadas por **Topp Pro**.
- Daños ocasionados por la conexión del equipo a otros equipos distintos de los especificados en el manual de uso, o bien por mala conexión a estos últimos.
- Daños ocasionados por tormentas eléctricas, golpes y/o transporte incorrecto.
- Daños ocasionados por excesos o caídas de tensión en la red o por conexión a redes con una tensión distinta a la requerida por la unidad.
- Daños ocasionados por la presencia de arena, ácido de pilas, agua, o cualquier elemento extraño en el interior del equipo.
- Deterioros producidos por el transcurso del tiempo, uso y/o desgaste normal de la unidad.
- Alteración o ausencia del número de serie de fábrica del equipo.

Las reparaciones solamente podrán ser llevadas a cabo el servicio técnico autorizado por **Topp Pro**, que informará acerca del plazo y demás detalles de las reparaciones a efectuarse conforme a esta garantía.

Topp Pro, reparará esta unidad en un plazo no mayor a 30 días contados a partir de la fecha de entrada de la unidad al Servicio Técnico. En aquellos casos en que debido a la particularidad del repuesto, fuera necesaria su importación, el tiempo de reparación y la viabilidad de la misma estarán sujetos a las normas vigentes para la importación de partes, en cuyo caso se informará al usuario acerca del plazo y posibilidad de reparación.

A efectos de su correcto funcionamiento, y de la validez de ésta garantía, este producto deberá ser instalado y utilizado de acuerdo a las instrucciones que se encuentran detalladas en el manual adjunto o en el envase del producto.

Esta unidad podrá presentarse para su reparación, junto a la factura de compra (o cualquier otro comprobante donde conste la fecha de compra), a su distribuidor autorizado **Topp Pro** o a un centro de servicio técnico autorizado por **Topp Pro**.

Exclusión de daños:

LA RESPONSABILIDAD DE TOPP PRO POR CUALQUIER PRODUCTO DEFECTUOSO SE LIMITA A LA REPARACIÓN O AL REEMPLAZO DEL MISMO, A OPCIÓN DE TOPP PRO. SI ELEGIMOS SUBSTITUIR EL PRODUCTO, EL REEMPLAZO PUEDE SER UNA UNIDAD REACONDICIONADA. TOPP PRO NO SERÁ RESPONSABLE POR LOS DAÑOS BASADOS EN LA INCONVENIENCIA, PÉRDIDA DE USO, BENEFICIOS PERDIDOS, AHORROS PERDIDOS, POR EL DAÑO A OTROS EQUIPO O A OTROS ARTÍCULOS EN EL SITIO DE USO, O POR NINGUN OTRO DAÑO SI ES FORTUITO, CONSECUENTE O DE OTRO TIPO, AUNQUE TOPP PRO HAYA SIDO ADVERTIDO DE LA POSIBILIDAD DE TALES DAÑOS.

Algunos países o estados no permiten la exclusión o la limitación a los daños fortuitos o consecuentes, así que la limitación antedicha puede no aplicarse a usted.

Esta garantía le da derechos legales específicos, usted puede también tener otros derechos que varían de estado a estado o de país a país.

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Especificaciones Técnicas

Especificaciones Técnicas	Respuesta de Frecuencia	20Hz - 20KHz
	Relación Señal/Ruido	>90dB
	Distorsión a 1 KHz	0.004%
Fuente de Poder	Voltaje Principal	100 - 120VAC 60Hz / 220 - 240VAC 50Hz
	Fusible	100 - 120V: T12A / 220 - 240V: T6.3A
Físico	Dimensiones (An / Fon / Al)	360 x 292 x 96mm (MX.22/2FX)
		384 x 348 x 96mm (MX.26/2FX)
	Peso	4,0 Kg (MX.22/2FX)
		4,0 Kg (MX.26/2FX)

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Don't forget to visit our website at www.topppro.com for more information about this and other **Topp Pro** products.

INTRODUCTION

Thank you for purchasing the MX series MX.22 / 2FX & MX.26 / 2FX mixing console. The MX.22 / 2FX mixing console is packed with some features that can not be found in other consoles of its size: 4 mono (these are provided with ultra low noise microphone preamplifiers and phantom power at +48V) and 2 stereo input channels (4 channels for MX.26/2FX) and each of them is provided with warm, natural EQ; 2-Track inputs assign-able to Main mix, Phones / Control Room outputs etc. Besides, the 24-bit effect processor with 256 effects. Please read this manual carefully so you can take advantages of all the features of the MX series.

Thank you again for making the right choice in purchasing the TOPP PRO MUSIC GEAR.

FEATURES

- 4 mono inputs with gold plated XLR and Balanced TRS jack
- 2 (4 for MX.26/2FX) stereo inputs with Balanced TRS jack
- GAIN control and +48V phantom power for mono inputs
- 3-band EQ (plus 75Hz low cut filter) on all mono channels (For MX.22/2FX)
3-band EQ with sweepable MID (plus 75Hz low cut filter) on all mono channels and 4-band EQ on stereo channels (For MX.26//2FX)
- 2 AUX sends: AUX1 with PRE / POST-fader switch for monitoring, AUX2 POST-fader for effect sends can be changed in PRE-fader for monitoring
- Each input channel features MUTE/ALT3-4, SOLO switches and OL LED (MX.22/2FX)
- MUTE, SUB1-2 and L-R assign switches, SOLO switches and OL LED (MX.26/2FX)
- 2-Track IN/OUT with discrete switches for routing to Control Room and to Main Mix
- Two different ways of SOLO PFL/AFL for a better control over signal path
- Balanced XLR & TRS jack output
- 24-bits internal DSP with 256 effects (16 presets by 16 variations), DSP MUTE & Peak LED

USEFUL DATA

Please write your serial number here for future reference.

Serial Number:

Data of Purchase:

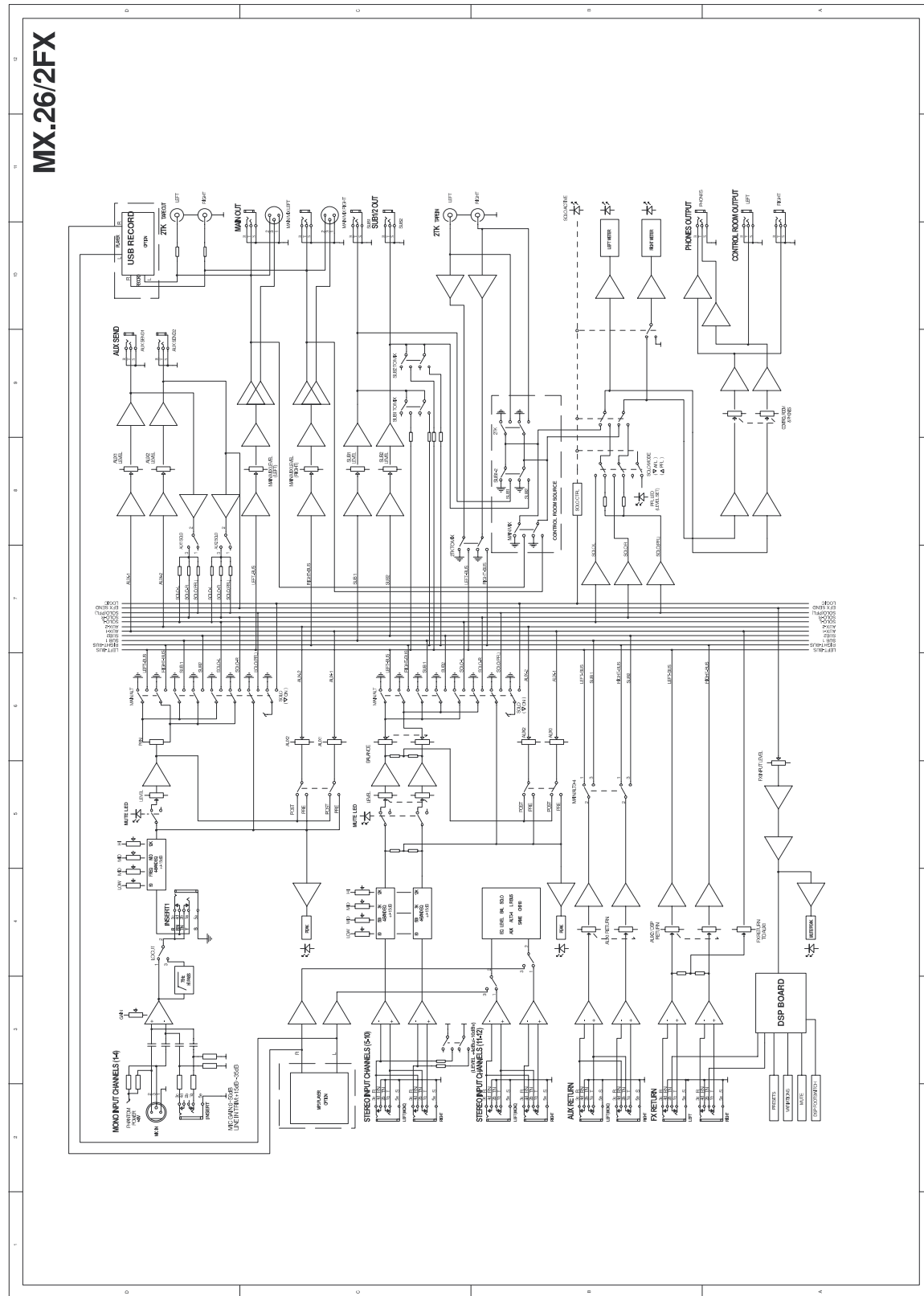
Purchased at:

Especificaciones Técnicas

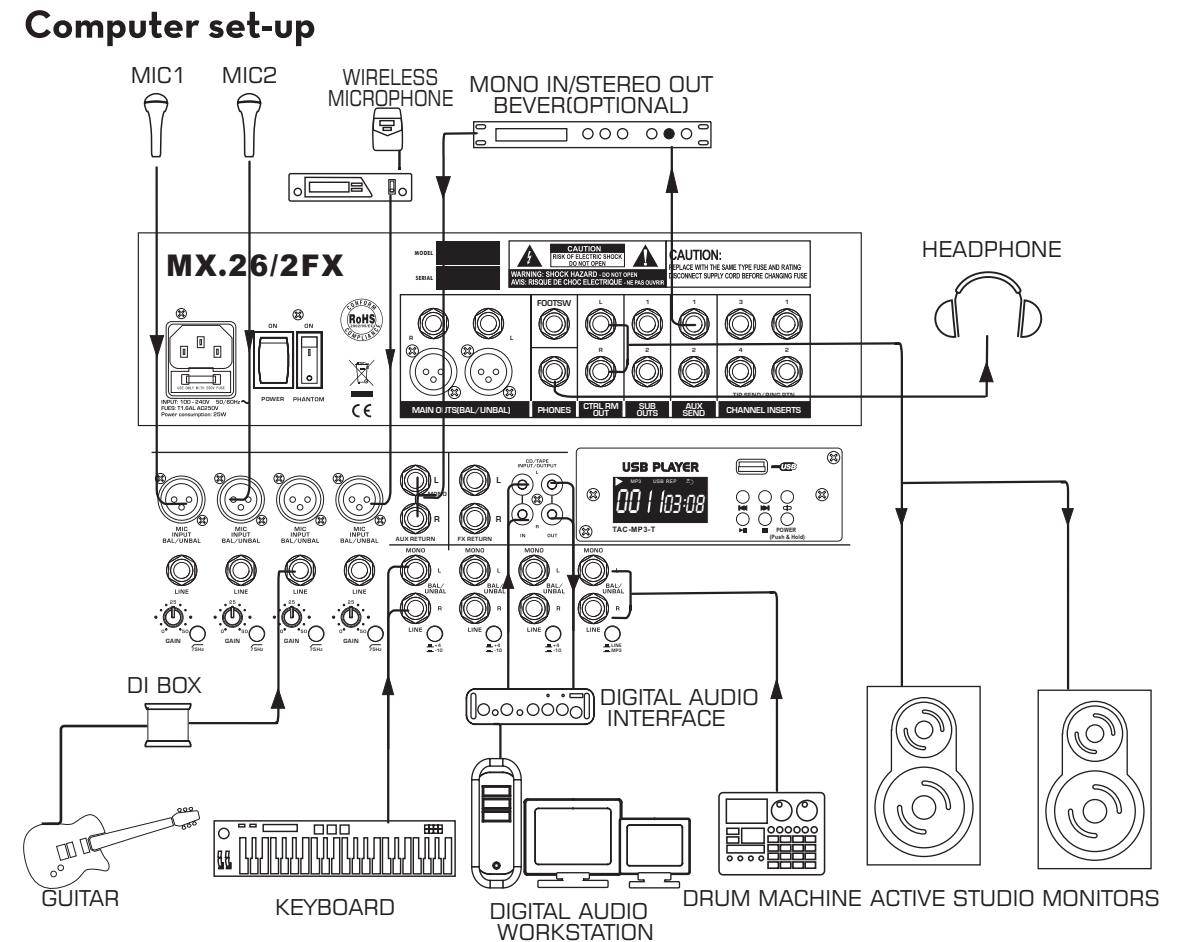
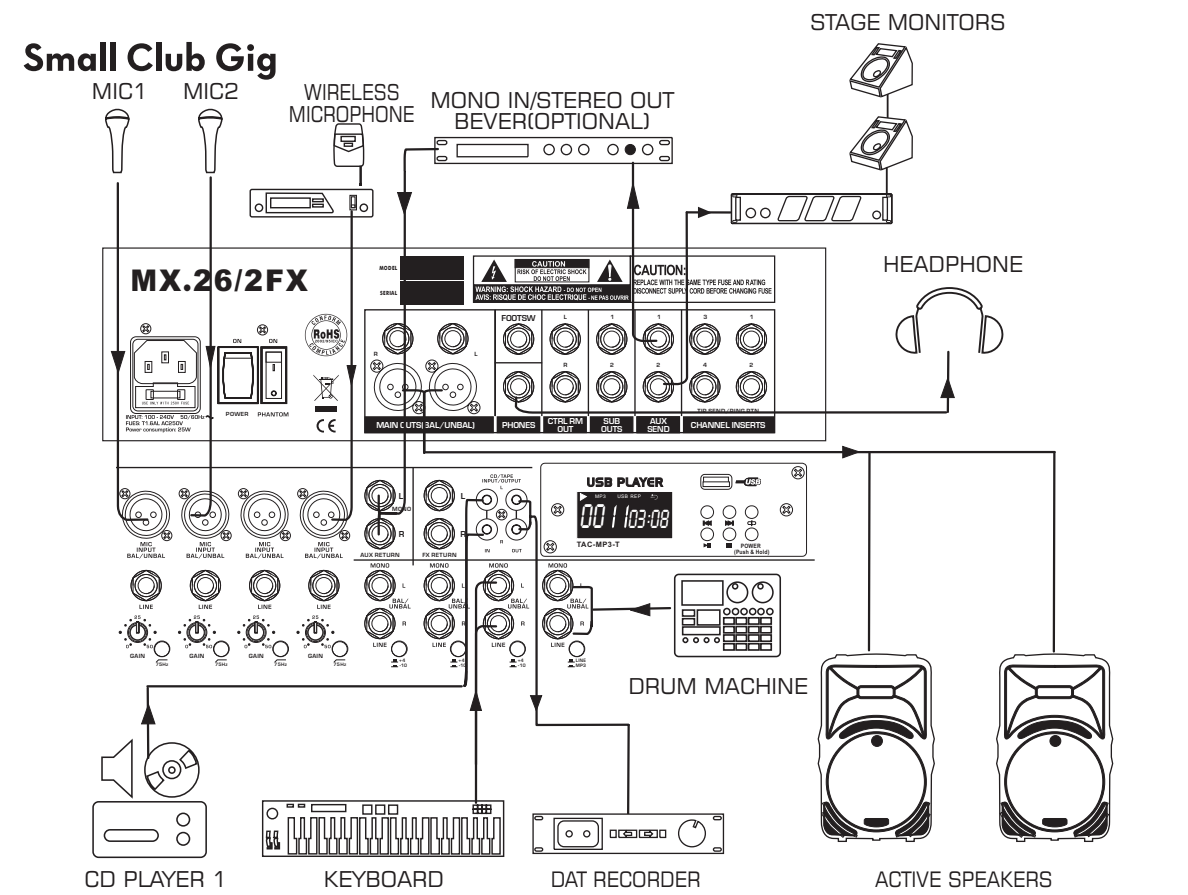
Canal Mono	Entrada de Micrófono	Electrónicamente Balanceado XLR Balanceado
	Respuesta de Frecuencia	20 Hz a 50 KHz ± 3 dB
	Distorsión (THD/N)	< 0,005% @ +4 dBu, 1KHz
	Rango de Ganancia	0 dB a 50 dB MIC
	SNR	< -100 dB
	Phantom Power	+48V con interruptor
	Línea de Entrada	Electrónicamente Balanceada 1/4 TRS
	Respuesta de Frecuencia	20 Hz a 50 KHz ± 3 dB
	Distorsión (THD/N)	< 0,005% @ +4 dBu, 1KHz
	Sensibilidad	15 dBu
Impedancia	Entrada de Micrófono	1.4 K Ohmios
	Todas las otras Entradas	10K Ohmios
	Tape Out	1K Ohmio
	Todas las otras Salidas	120 Ohmios
EQ Canales Mono	MX.22/2FX	
	Altos (High)	±15dB @ 12KHz
	Medios (Mid)	±15dB @ 12KHz
	Bajos (Low)	±15dB @ 12KHz
	MX.26/2FX Canal Mono	
	Altos (High)	±15dB @ 12KHz
	Medios (Mid)	±15dB Cortador desde 100Hz a 8KHz
	Bajos (Low)	±15dB @ 80KHz
	MX.26/2FX Canal Estéreo	
	Altos (High)	±15dB @ 12KHz
	Medios (High Mid)	±15dB @ 3Hz
	Medios (Low Mid)	±15dB @ 500Hz
	Bajos (Low)	±15dB @ 80KHz
Sección DSP	Convertidores A/D y D/A	24 Bit
	Tipos de Efectos	WARM HALL, BRIGHT HALL, WARM ROOM, BRIGHT ROOM, WARM VOCAL, BRIGHT VOCAL, PLATE REVERB, STEREO DELAY, MANO DELAY, CHORUS, FLANGER, VIBRATO, REV+DELAY, REV+CHORUS, REV+FLANGER, REV+VIBRATO
		Programas
	Controles	Indicador de Clip
		Interruptor de Pie, "Mute" con luz indicadora
	Sección Mezcla Principal	Ruido (Bus Noise)
Máx. Salida		+22dBu No Balanceado, Conector 1/4
Máx. Salida Envío Auxiliar		+22dBu
Rango de Ganancia Retorno		8 a +15dB
Entrada USB	Estructura de USB máxima velocidad (12Mbps)	
	Soporte de almacenamiento masivo en el USB	
Análisis FAT	Soporte FAT16 y FAT32	
	Soporte VFAT (Nombres de Archivos Largos)	
Decodificación MP3	Soporte de tipo de muestreo 8KHz, 16KHz, 32KHz, 11.025KHz, 22.05KHz, 44.1KHz, 12KHz, 24KHz y 48KHz	
	Soporte velocidad de transferencia de 8 bits a 320 y VBR (Velocidad Variable de Bits)	Excepto en Formato Libre

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Diagrama de Bloques



HOOKUP DIAGRAM



CONTROL ELEMENTS

FRONT PANEL

1- Mono MIC Input

The MX series is equipped with 4 low-noise mic preamplifiers with optional phantom power providing up to 50 dB of amplification. You can connect almost any type of microphone. Dynamic microphones don't need phantom power. Use phantom power only with condenser microphones but make sure that the phantom power switch is disengaged before connecting the microphone. Phantom power will not damage your dynamic microphones but it may damage tube or ribbon microphones so make sure to read the microphone instructions manual before engaging phantom power switch. There are also equipped with 1 / 4" TRS balanced and TS unbalanced LINE IN plug, you can connect with line-level instruments, such as synthesizers, key-boards, drum machines or effect devices.

NOTE: Never try to connect a line-level signal to the XLR MIC input when the phantom power is engaged, doing this you may seriously damage your equipment.

2- STEREO LINE INPUTS

They are organized in stereo pair and provided with 1/4" TRS jacks. It is used to connect the stereo device, plug both the left input and the right input. Using the left input if connect a mono input signal to the STEREO INPUT, the signal will appear on both sides.

3- GAIN CONTROL

This GAIN control is used to control the input sensitivity of the MIC and LINE inputs. The adjustable range goes from 0 dB to 50 dB.

4- 75 Hz Low-Cut Switch

By pressing this button you will activate a 75 Hz low frequency filter that cuts the bass frequency below 75 Hz. You can use this switch to reduce the hum noise caused by the mains power supply, or the stage rumble while using a microphone.

5- +4/-10 Switch

+4/-10 switches are used to select the input sensitivity of the line inputs on the stereo channels. +4 dBu is suitable for professional audio devices and -10 dBv is suitable for general devices. If not sure to use which setting, try +4 dBu first, then change it to -10 dBv if the volume is too small to be satisfied.

6- LINE/MP3 Switch

By pressing this button, it will switch to the MP3 mode, then the MP3 signal can be sent to this channel or the Main Mix channel; by releasing this button, LINE IN inputs signal will send to the line input channels.

EQUALIZATION

The MX.22 / 2FX is equipped with 3-band EQ on all the channels while the MX.26 / 2FX has 3-band EQ with sweepable MID on all mono channels and 4-band EQ on stereo channels. All bands provide up to 15 dB boost or cut.

7- HIGH

This is the treble control. You can use it to get rid of high frequency of the human voice. The gain range goes from -15 dB to +15 dB with a centre frequency of 12 kHz.

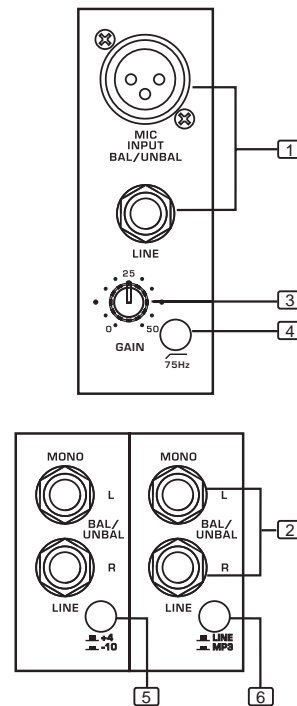
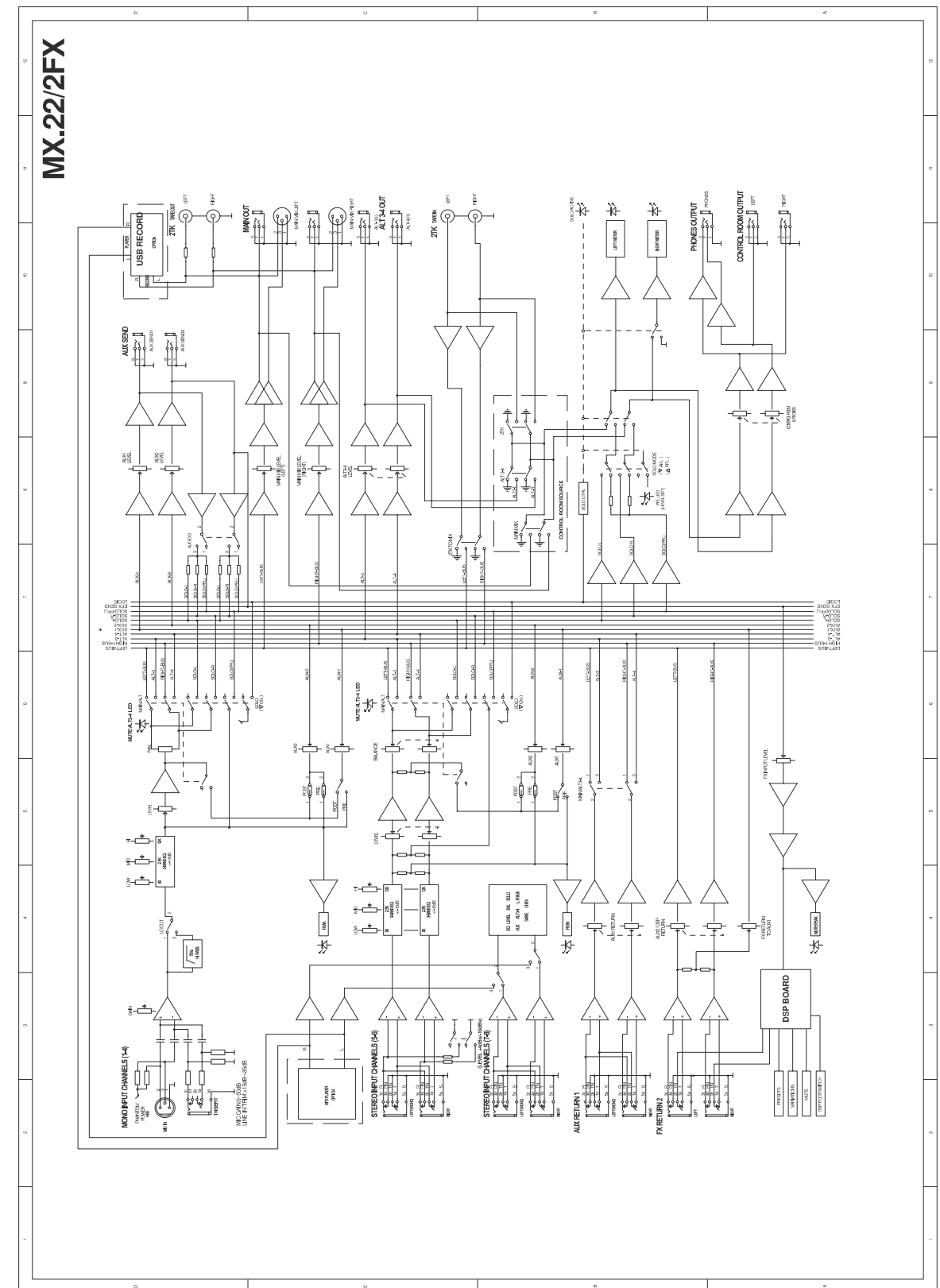
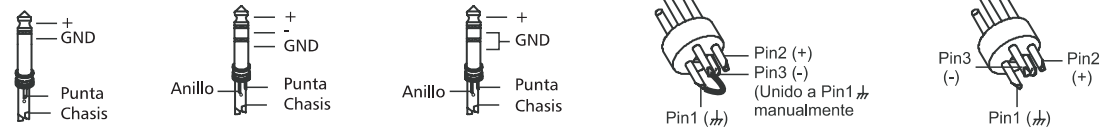


Diagrama de Bloques



Configuración de Alambrado

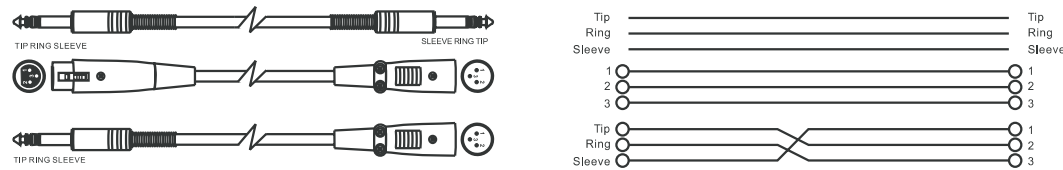
Cualquiera de los dos conectores, ya sea el TRS de 1/4" o el XLR, pueden alambrarse en modo no balanceado o balanceado, dependiendo de la necesidad de trabajo. Los siguientes son unos ejemplos de cómo se pueden alambrear estos conectores:



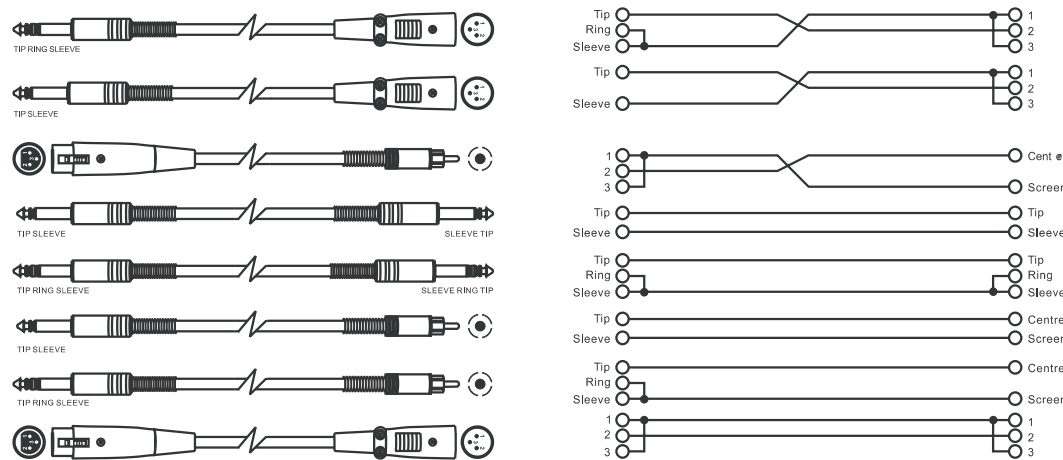
Conexión Línea de Entrada

Como se mencionó antes, esta unidad cuenta con varios tipos de conectores, para diferentes aplicaciones. Los siguientes son algunos ejemplos de conexiones que se utilizan como interface entre diferentes equipos.

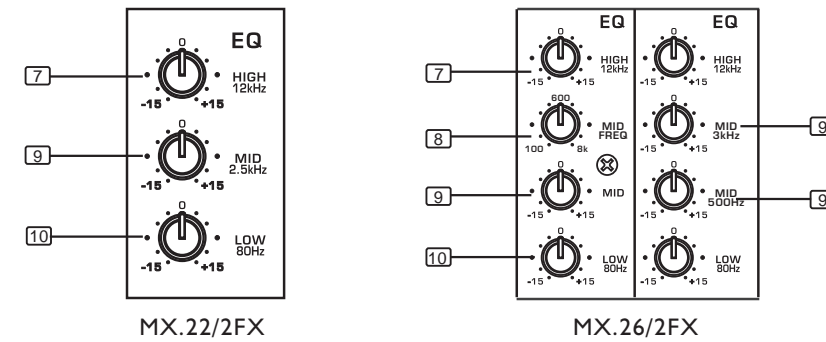
Balanceado



No Balanceado



CONTROL ELEMENTS



8- MID FREQ (Only for Mono Channels of MX.26/2FX)

It can change the center frequency for the MID EQ filter. From this knob you can more accurately select the band of frequency that you want to boost or cut. The ranges goes from 100 Hz to 8 kHz.

9- MID EQ

This control provides 15 dB boost or cut at 2.5 kHz on the MX.22/2FX. The MX.26/2FX has one sweepable MID EQ controls on the mono channels and two discrete MID EQ on the stereo channels with center frequencies at 3 kHz and 500 Hz(9'), the midrange frequencies include the upper male and lower female vocal ranges, and the fundamentals and harmonics for many instruments.

10- LOW EQ

This is the bass control. It is used to boost male voice, kick-drum or bass guitar. Your system will sound much bigger than what it is. The gain range goes from -15 dB to +15 dB with a center frequency of 80 Hz.

11- AUX Send Controls

These two controls are used to adjust the level of signal sent to AUX bus 1&2, and this adjustment doesn't effect the main mix output signal at all. AUX SEND1 (MON) can be configured as PRE / POST fader via the PRE switch. Up for POST fader, the signal is sent out after the channel fader and will be affected by the channel fader. Down for PRE fader, the signal is sent out before the channel fader and will not be affected by the channel fader. AUX 2 (FX) is configured as POST fader.

12- PAN/BAL

Abbreviation of PANORAMA control for mono channels, for the stereo channels, always says, BALANCE control. You can adjust the stereo image of the signal via this control. For mono MIC / LINE channels, keep PAN control in centre position and your signal will be positioned in the middle of stage that is to say the mono signal appears equally in both sides. Turn this control fully counterclockwise and the signal will be present only on the left speaker and vice-versa. For stereo channels, by rotating the BAL control, you can attenuate the signal of left or right. It means if turn the control to left, the right channel will be attenuated; if turned to right, the left channel will be attenuated.

13- MUTE/ALT3-4 SWITCH (For MX.22/2FX) and MUTE SWITCH (For MX.26/2FX)

Each channel is equipped with the MUTE / ALT3-4 (in MX.22 / 2FX) or MUTE switch (in MX.26/2FX). Pressing this switch is equal to turning the fader down, which can mute the corresponding channel output except for SOLO (in PFL mode), the MUTE LED will illuminate. In MX.22/2FX , the MUTE/ALT3-4 switch can also be used for signal routing.

CONTROL ELEMENTS

14- SOLO SWITCH & OL LED

When pressing this switch, the OL LED will illuminate and the SOLO signal will replace other signals and reach to the CONTROL ROOM/ PHONES. Usually use the SOLO function to preview each channel before they are get into the mix. You can solo more than one channel at a time. And the soloed channels are sent to the CONTROL ROOM, PHONES, and LED display. Engaging the SOLO switch, all CONTROL ROOM SOURCE selections MAIN MIX, CD/TAPE, ALT3-4 (MX.22/2FX) & SUB1-2 (MX.26/2FX) will be muted.

15- 1-2 & L-R Switches(only for MX.26/2FX)

Each channel provides two assignment switches: 1-2, and L-R. Pressing the 1-2 will assign the channel signal to SUB1-2, you can depend on the PAN / BAL control to adjust the amount of channel signal sent to the SUB1 versus SUB2, when turns the PAN/BAL to completely left, then the signal can be only controlled by SUB1 and vice-versa. In the same way, pressing the L-R will assign the channel signal to MAIN MIX L-R. This switch must be engaged in to get the channel's signal through to main outs.

16- Fader

This control will adjust the overall level of this channel and set the amount of signal sent to the main output.

17- SUB ASSIGN TO MAIN MIX Switches (only for MX.26/2FX)

Through these switches, you can operate the SUB1-2 faders as a master control for assigning the SUB 1-2 to MAIN MIX. Engage the LEFT switch to send the corresponding sub signal to MAIN MIX L, and the RIGHT switch for MAIN MIX R. When engaging the both switches, the signal will be sent to L/R of MAIN MIX.

18- ALT3-4 Master Faders (MX.22/2FX) & SUB1-2 Master Faders (MX.26/2FX)

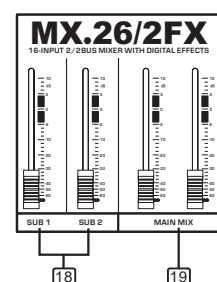
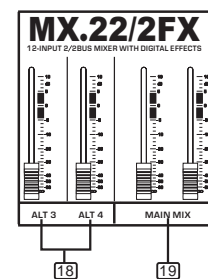
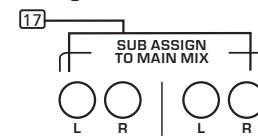
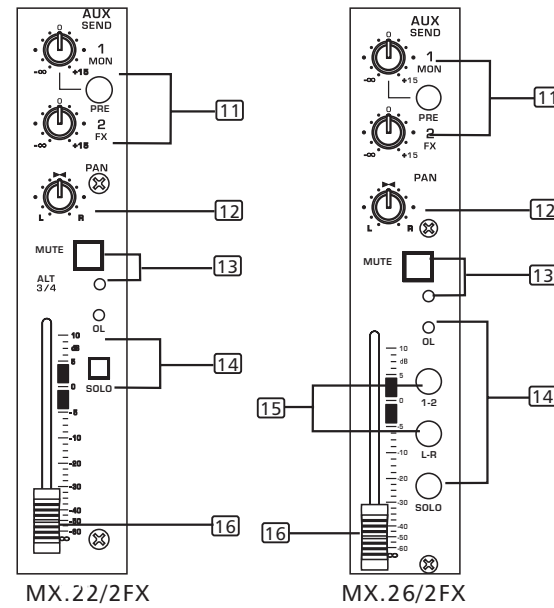
These faders are used to control the levels of signal that send to the ALT3-4OUT / SUB1-2 OUT. The range goes from $-\infty$ to +10 dB. By pushing in the MUTE/ ALT3-4 switch(for MX.22/2FX) & SUB 1-2 ASSIGN switch (for MX.26/2FX), the signals will appear at the ALT3-4/SUB1-2 OUTS.

19- MAIN MIX Faders

These two faders set the level of main mix signals sent to the Main Outputs, Tape Outputs, CONTROL ROOM, PHONES, and LED display. Note: When connecting a speaker to the speaker output jacks on rear panel, please pay more attention to the level setting for avoiding damaging the speaker. Generally, the faders will be positioned between 0 dB (U) & +5 dB.

20- MASTER AUX SEND Controls

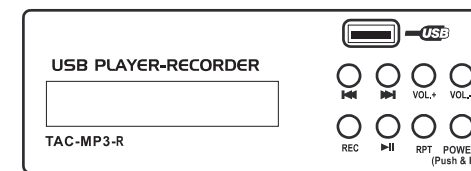
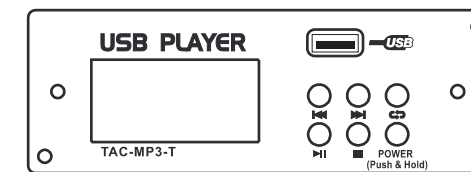
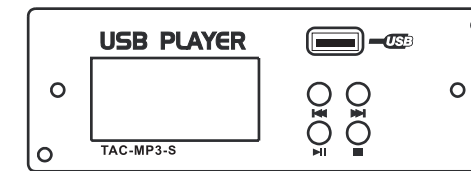
Both knobs are used to determine the master AUX SEND levels. The adjustable range is from $-\infty$ to +15 dB. When the external effect unit connected to mixer has no input gain control, you can get a further +15 dB gain available from these AUX SEND outputs.



Elementos de Control

Opción 3. Módulo para Grabar

Conecte el multicable de 5 líneas al conector marcado con CN 13 de 5 pines y el multicable de 2 líneas al conector marcado con CN 19 de 2 pines, por último conecte el multicable de 3 líneas al conector marcado con CN 20 de 3 pines. Utilice los mismos tornillos que removió para fijar el módulo y la unidad estará lista para ser utilizada.



NOTA: Antes de remover el cobertor o de cambiar cualquiera de los módulos asegúrese de que la unidad está desconectada de la alimentación principal p