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Yamaha MGP32X

Yamaha MGP32X Mixing Console 32-Channel Mixer User Manual

Model: MGP32X

INTRODUCTION

This manual provides essential information for the safe and effective operation of your Yamaha MGP32X 32-Channel Mixing Console. Please read this manual thoroughly before using the product to ensure proper setup, functionality, and to prevent damage. Keep this manual in a safe place for future reference.



Image: Front view of the Yamaha MGP32X 32-Channel Mixing Console, showcasing its numerous input channels, faders, and control section.

KEY FEATURES

The Yamaha MGP32X combines advanced digital technology with classic analog sound quality, offering a versatile mixing solution. Key features include:

- **D-PRE Microphone Preamps:** Discrete Class-A microphone preamps with an inverted Darlington circuit design for rich, smooth tone.
- **X-pressive EQ:** Yamaha's proprietary EQ technology designed to emulate the expressive sound shaping capabilities of classic analog EQs.
- **1-Knob Compressors:** Easy-to-use compressors on each microphone channel for dynamic control.
- **Stereo Hybrid Channel:** Integrates digital functionality into an analog mixer, offering advanced control.
- **Dual Digital Effects Processors:** Features high-resolution SPX and REV-X effects for enhanced sound.
- **iPod/iPhone Integration:** Connectivity for Apple devices to control certain mixer functions and playback audio.
- **Universal Power Supply:** Built-in power supply for global use.
- **Priority Ducker:** Automatically lowers background music when a microphone signal is detected.
- **Leveler:** Automatically adjusts the volume of different audio sources to a consistent level.
- **Stereo Image:** Allows for precise control over the stereo width of audio signals.



Image: Diagram illustrating the D-PRE Discrete Class-A Mic Preamp circuit with an inverted Darlington design.

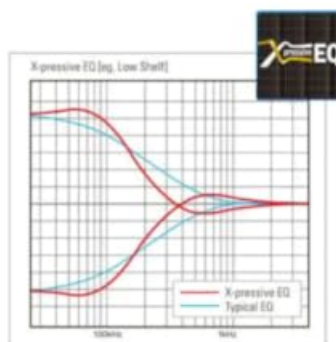


Image: Graph showing the frequency response curves of X-pressive EQ compared to typical EQ.



Image: Close-up of the 1-knob compressor controls on the mixer channels.



Image: Icon indicating the Universal Power Supply feature, with a partial view of the mixer's rear panel connections.



Image: Graphic icon representing the Priority Ducker function, showing music volume decreasing when speech is detected.



Image: Graphic icon representing the Leveler function, showing different audio levels being normalized to a consistent output.

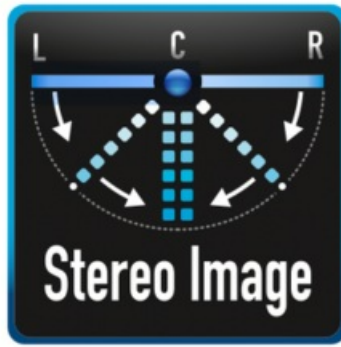


Image: Graphic icon representing the Stereo Image control, illustrating the ability to adjust stereo width.



Image: Logos for SPX Digital Multi Effect Processor and REV-X, indicating advanced effects capabilities.



Image: A white cable connecting an iPod/iPhone to the Yamaha MGP32X mixer, demonstrating integration.



Image: An iPhone screen displaying a control application for the Yamaha MGP32X mixer, showing various settings and parameters.

1. Unpacking and Inspection

Carefully remove the mixer from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain all packaging materials for future transport or storage.

2. Placement

Place the mixer on a stable, flat surface. Ensure adequate ventilation around the unit to prevent overheating. Avoid placing the mixer near heat sources, direct sunlight, or in areas with excessive dust or moisture.

3. Power Connection

Connect the supplied power cord to the AC IN connector on the rear panel of the mixer and then to a suitable AC outlet. Ensure the power switch is in the OFF position before connecting. The MGP32X features a universal power supply, allowing operation with various AC voltages.

4. Input/Output Connections

- **Microphone Inputs:** Connect microphones to the XLR inputs (channels 1-24). Activate 48V phantom power for condenser microphones using the dedicated switch.
- **Line Inputs:** Connect line-level devices (keyboards, CD players, etc.) to the 1/4" TRS or RCA inputs. The MGP32X offers 32 line inputs (24 mono and 4 stereo).
- **Output Connections:** Connect main speakers to the STEREO OUT (XLR/TRS) jacks. Use AUX SENDS to connect to stage monitors or external effects processors.
- **iPod/iPhone Connection:** Connect your Apple device to the dedicated USB port for audio playback and control via the MGP Editor app.

OPERATING INSTRUCTIONS

1. Power On/Off

To power on, ensure all faders are at their minimum position and the main output level is low. Press the POWER switch. To power off, reverse this procedure, lowering all levels before switching off.

2. Channel Control

- **GAIN:** Adjust the input sensitivity for each channel. Set this so the PEAK indicator flashes only occasionally.
- **EQ:** Use the X-pressive EQ knobs (HIGH, MID, LOW) to shape the tone of each channel.
- **COMP:** Engage and adjust the 1-knob compressor for dynamic control on microphone channels.
- **AUX/FX Sends:** Use these controls to send a portion of the channel signal to auxiliary outputs or internal effects processors.
- **PAN:** Position the channel signal within the stereo field.
- **FADER:** Adjust the overall volume level of the channel.

3. Master Section

- **Main Stereo Fader:** Controls the overall output level of the main stereo mix.
- **Group Faders:** Control the output levels of the 4 GROUP buses.
- **Effects Section:** Select and adjust parameters for the built-in SPX and REV-X effects.
- **Stereo Hybrid Channel:** Utilize features like Priority Ducker, Leveler, and Stereo Image for advanced audio processing. Refer to the detailed PDF manual for specific controls.

MAINTENANCE

1. Cleaning

Regularly wipe the mixer's surface with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and then dry thoroughly. Avoid using abrasive cleaners, solvents, or chemical wipes, as these can damage the finish and controls.

2. Ventilation

Ensure that the ventilation openings are not blocked. Proper airflow is crucial to prevent internal components from overheating.

3. Storage

When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures. Consider using a dust cover to protect the controls and faders.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none">Power not connected or switched on.Main fader or channel faders are down.Speakers not connected or powered.Incorrect input selection.	<ul style="list-style-type: none">Check power connections and switch.Raise main and channel faders.Verify speaker connections and power.Ensure correct input is selected for the source.
Distorted sound	<ul style="list-style-type: none">Input GAIN too high.Output level too high.Faulty cable or connection.	<ul style="list-style-type: none">Reduce input GAIN until PEAK indicator stops flashing excessively.Lower main or channel faders.Check and replace cables if necessary.
No phantom power	<ul style="list-style-type: none">Phantom power switch is off.Using a non-XLR cable for microphone.	<ul style="list-style-type: none">Activate the 48V phantom power switch.Ensure XLR cables are used for condenser microphones.

For more detailed troubleshooting, please refer to the complete PDF user manual available on the Yamaha website or through the provided link in the support section.

SPECIFICATIONS

Feature	Detail
Model	MGP32X
Number of Channels	32
Mic Inputs	24 (with 48V Phantom Power and HPF per Channel)
Line Inputs	32 (24 mono and 4 stereo)

AUX Sends	6
FX Sends	2
GROUP Buses	4 (+ ST Bus)
Matrix Out	2
Mono Out	1
Item Weight	58.9 pounds (26.7 kg)
Product Dimensions	45.67 x 27.95 x 11.02 inches
Connectivity Technology	Auxiliary
Power Source	Corded Electric
Color	Black

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Yamaha website. For technical support, service, or to download the complete PDF user manual, please visit the Yamaha support page or contact your local Yamaha dealer.

A comprehensive user manual in PDF format is available for download: [Yamaha MGP32X User Manual \(PDF\)](#)