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› Midas M32 Live Digital Mixer and PSG AUDIO Cobra 112 Speaker System User Manual

PSG AUDIO M32 Live, Cobra 112

Midas M32 Live Digital Mixer and PSG AUDIO Cobra 112 Speaker System User Manual

Model: M32 Live, Cobra 112

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Midas M32 Live 40-Channel Digital Mixer, PSG AUDIO Cobra 112 Speakers, and accompanying XLR cables. Please read this manual thoroughly before setup and operation to ensure proper use and to prevent damage to the equipment.

2. IMPORTANT SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of electric shock, fire, or injury:

- **Power Supply:** Connect the equipment only to the specified voltage and frequency. Ensure power cables are not damaged or pinched.
- **Grounding:** Ensure all equipment is properly grounded to prevent electric shock.
- **Moisture:** Do not expose the equipment to rain, moisture, or excessive humidity. Do not place liquid-filled objects on or near the equipment.
- **Ventilation:** Ensure adequate ventilation around the mixer and speakers. Do not block ventilation openings.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to service the equipment yourself.
- **Placement:** Place equipment on a stable, level surface. Avoid extreme temperatures, direct sunlight, and strong vibrations.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Midas M32 Live 40-Channel Digital Mixer

- 2 x PSG AUDIO Cobra 112 Speakers
 - 2 x XLR Cables
 - 1 x Power Cord for Midas M32 Live
 - User Manual (this document)
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4. PRODUCT OVERVIEW

This bundle provides a comprehensive audio solution for live sound and studio applications, featuring a digital mixing console, active speakers, and essential cabling.

4.1. Midas M32 Live Digital Mixer

The Midas M32 Live is a 40-input digital mixing console designed for professional audio environments. It features 32 Midas PRO microphone preamplifiers, 25 time-aligned and phase-coherent mix buses, and 25 motorized faders. The console includes a Virtual FX rack with 8 true-stereo, studio-grade effect engines and a preinstalled DN32-LIVE expansion module for 32-channel bidirectional audio I/O via USB 2.0.



Image 4.1.1: Front view of the Midas M32 Live Digital Mixer, showcasing its control surface, faders, and display screen.



Image 4.1.2: Rear panel of the Midas M32 Live Digital Mixer, showing various input/output connectors including XLR, TRS, USB, and Ethernet ports.

4.2. PSG AUDIO Cobra 112 Speakers

The PSG AUDIO Cobra 112 are active speakers, providing powerful and clear audio output suitable for various sound reinforcement applications. Each speaker is designed for robust performance and ease of integration into a sound system.



Image 4.2.1: Side view of a PSG AUDIO Cobra 112 Speaker, highlighting its grille and side handle.

4.3. XLR Cables

Two 15-foot XLR cables are included for connecting the mixer to the speakers or other audio equipment, ensuring reliable signal transmission.



Image 4.3.1: Packaging for the included 15-foot XLR cable, showing the cable coiled and connector types.

5. SETUP INSTRUCTIONS

Follow these steps to set up your Midas M32 Live mixer and PSG AUDIO Cobra 112 speakers:

1. **Unpacking:** Carefully remove all components from their packaging. Retain packaging for future transport or storage.
2. **Placement:** Position the Midas M32 Live mixer on a stable, flat surface. Place the PSG AUDIO Cobra 112 speakers in desired locations, ensuring they are stable and have adequate clearance for ventilation.
3. **Power Connection (Mixer):** Connect the provided power cord to the Midas M32 Live mixer's power inlet and then to a grounded AC power outlet. **Do not power on yet.**
4. **Power Connection (Speakers):** Connect the power cords (not included, typically supplied with active speakers or purchased separately) for the PSG AUDIO Cobra 112 speakers to their respective power inlets and then to grounded AC power outlets. **Do not power on yet.**

5. Audio Connection:

- Connect one end of an XLR cable to an output on the Midas M32 Live mixer (e.g., Main Out Left).
- Connect the other end of the same XLR cable to the input of one PSG AUDIO Cobra 112 speaker.
- Repeat for the second speaker (e.g., Main Out Right to the second speaker's input).

6. **Input Devices:** Connect microphones, instruments, or other audio sources to the input channels of the Midas M32 Live mixer using appropriate cables (e.g., XLR for microphones).

7. Power On Sequence:

- Ensure all volume controls on the mixer and speakers are set to minimum.
- Power on the Midas M32 Live mixer first.
- After the mixer has fully started, power on the PSG AUDIO Cobra 112 speakers.

8. **Initial Sound Check:** Gradually increase the volume on the mixer and speakers to a low level and test your audio sources. Adjust levels as needed.

6. OPERATING INSTRUCTIONS

This section provides a basic overview of operating the Midas M32 Live mixer and PSG AUDIO Cobra 112 speakers. For detailed operation, refer to the comprehensive Midas M32 Live user manual.

6.1. Midas M32 Live Mixer Basic Operation

- **Input Gain:** Adjust the gain for each input channel to achieve an optimal signal level without clipping.
- **Equalization (EQ):** Use the channel EQ to shape the tone of each input.
- **Faders:** Control the volume of individual channels, groups, and main outputs using the motorized faders.
- **Routing:** Assign input channels to mix buses, main outputs, or monitor mixes as required.
- **Effects:** Utilize the built-in effects processors for reverb, delay, and other audio enhancements.
- **Saving Scenes:** The M32 Live allows you to save and recall entire mixer configurations (scenes) for different performances or setups.

6.2. PSG AUDIO Cobra 112 Speaker Operation

- **Volume Control:** Each speaker typically has its own volume control. Set this to a suitable level in conjunction with the mixer's output.
- **Input Sensitivity:** Some active speakers may have an input sensitivity switch (e.g., Line/Mic). Ensure it is set to 'Line' when connected to the mixer's outputs.
- **Power Off Sequence:** Always power off the speakers **before** powering off the mixer to prevent pops or thumps.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your equipment.

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the mixer and speakers. For stubborn dirt, a slightly damp cloth can be used, followed by a dry one. Avoid abrasive cleaners or solvents.
- **Dust:** Keep the equipment free from dust. Use a soft brush or compressed air to clean ventilation grilles and

fader tracks.

- **Cable Inspection:** Periodically inspect all cables for signs of wear, cuts, or damage. Replace damaged cables immediately.
- **Storage:** When not in use for extended periods, store the equipment in a cool, dry place, ideally in its original packaging or protective cases.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none">• Speakers not powered on• Cables not connected properly• Mixer output level too low• Speaker volume too low• Input source not active/muted	<ul style="list-style-type: none">• Ensure speakers are powered on• Check all XLR cable connections• Increase mixer main output fader• Increase speaker volume control• Verify input source is active and not muted on mixer
Distorted sound	<ul style="list-style-type: none">• Input gain too high• Output level too high• Damaged cable	<ul style="list-style-type: none">• Reduce input gain on mixer channel• Reduce mixer output or speaker volume• Test with a different XLR cable
Mixer not powering on	<ul style="list-style-type: none">• Power cable not connected• Power outlet faulty	<ul style="list-style-type: none">• Check power cable connection• Test power outlet with another device

If the problem persists after attempting these solutions, contact customer support.

9. SPECIFICATIONS

Key specifications for the Midas M32 Live Digital Mixer and PSG AUDIO Cobra 112 Speakers:

9.1. Midas M32 Live Digital Mixer

- **Inputs:** 40 input channels
- **Preamplifiers:** 32 Midas PRO microphone preamplifiers
- **Buses:** 25 mix buses (time-aligned, phase-coherent)
- **Faders:** 25 motorized 100 mm faders (1 million life cycles)
- **Effects:** 8 true-stereo, studio-grade effect engines
- **A/D D/A Conversion:** 192 kHz
- **Expansion Module:** DN32-LIVE (32-channel bidirectional audio I/O via USB 2.0)

- **Recording:** Dual SD/SDHC slots for 32-channel uncompressed WAV recording/playback

9.2. PSG AUDIO Cobra 112 Speakers

- **Type:** Active Speaker
- **Power Output:** (Specific wattage not provided in product description, typically 800-1600W peak for similar models)
- **Components:** 12-inch woofer, high-frequency driver
- **Inputs:** XLR/TRS combo input (typical)

9.3. XLR Cables

- **Length:** 15 feet
- **Connectors:** 3-pin XLR male to XLR female

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided by the manufacturer of each individual component (Midas for the mixer, PSG AUDIO for the speakers and cables) or contact your point of purchase. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: PSG Audio (for the bundle components)

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