

## MIDAS DM16

# MIDAS DM16 User Manual

16 Input Analogue Live and Studio Mixer

## 1. INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your MIDAS DM16 16 Input Analogue Live and Studio Mixer. The DM16 is designed for both live performance and studio recording environments, featuring award-winning MIDAS microphone preamplifiers and robust construction. Please read this manual thoroughly before operating the device to ensure proper usage and to maximize its lifespan.



Figure 1.1: Front angled view of the MIDAS DM16 mixer.

## 2. SETUP

### 2.1 Unpacking and Inspection

Upon receiving your MIDAS DM16, carefully unpack the unit and inspect it for any signs of damage that may have occurred during transit. Retain the original packaging materials for future transport or storage.

#### Included in the Box:

- MIDAS DM16 16-Input Analogue Live and Studio Mixer
- Power Cord
- User Manual (this document)

### 2.2 Power Connection

The DM16 operates on a standard AC power supply. Connect the provided power cord to the AC inlet on the rear panel of the mixer and then to a suitable power outlet. Ensure the power switch is in the 'Off' position before connecting to power.



Figure 2.1: Rear panel of the MIDAS DM16 showing power input and warnings.

### 2.3 Input and Output Connections

The DM16 features a variety of input and output options for connecting microphones, instruments, and other audio devices.

- **Microphone Inputs:** 12 mono input channels with XLR connectors for microphones. These channels feature MIDAS microphone preamplifiers.
- **Line Inputs:** 2 electronically-balanced stereo line input channels on 1/4" TRS connectors for instruments or line-level devices.
- **Main Outputs:** Connect to your main PA system or recording interface.
- **Aux Sends:** For monitor mixes or effects sends.
- **Headphone Output:** For monitoring audio.



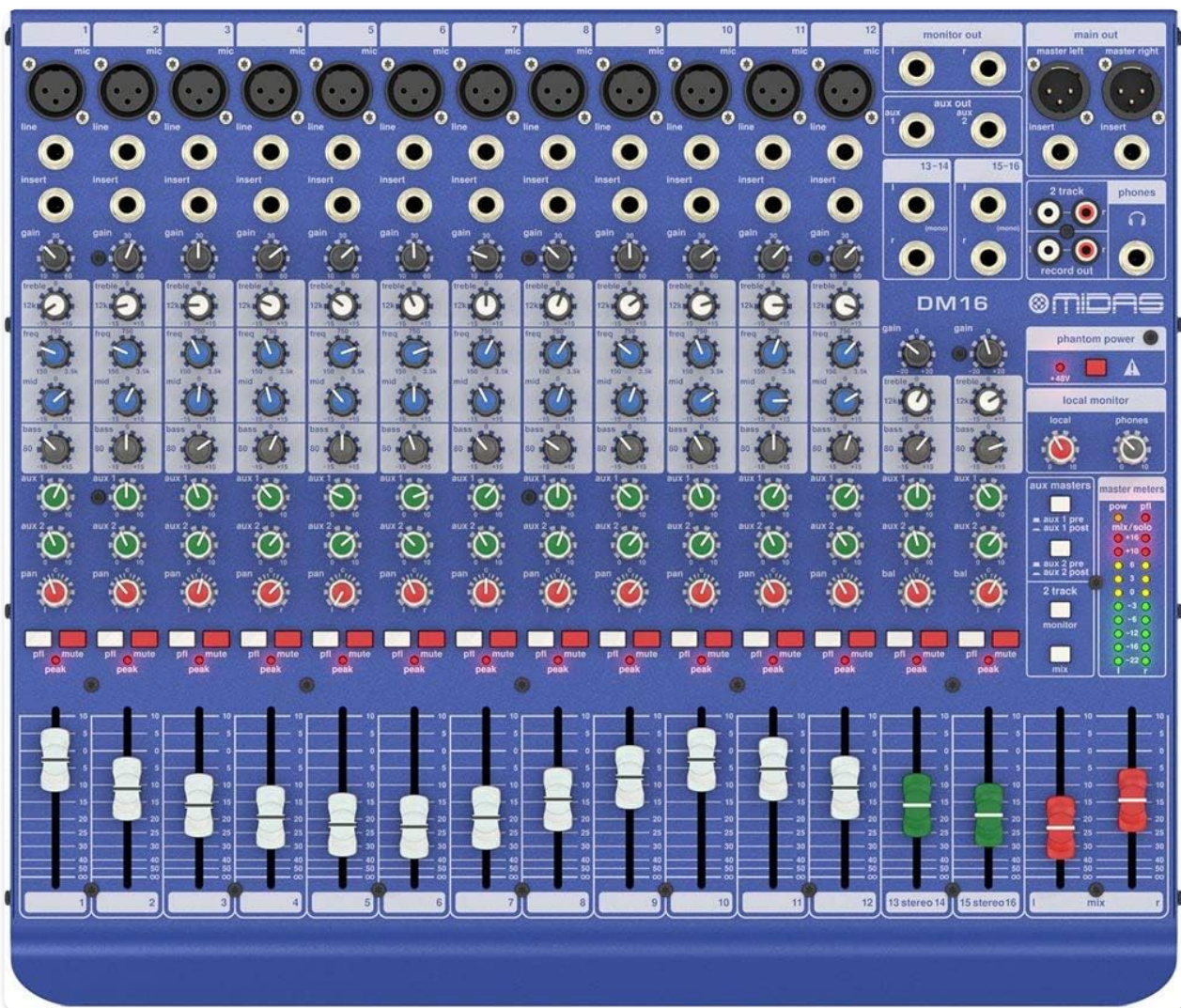


Figure 2.2: Top view of the MIDAS DM16 showing all input/output connections and controls.

### 3. OPERATING INSTRUCTIONS

#### 3.1 Channel Controls

Each mono input channel on the DM16 features the following controls:

- **GAIN:** Adjusts the input sensitivity for the microphone preamplifier.
- **EQ:** A 3-band equalizer with a swept mid-band for precise tone shaping.



Figure 3.1: Detailed view of the 3-band EQ section on a mono channel.

- **AUX 1/2:** Controls the level sent to the auxiliary outputs. These can be switched pre/post fader.



Figure 3.2: Aux masters section with pre/post fader switching.

- **PAN:** Adjusts the stereo position of the channel.
- **MUTE:** Silences the channel.
- **PEAK LED:** Indicates when the input signal is clipping.
- **FADER:** Controls the output level of the channel to the main mix.



Figure 3.3: Channel faders for precise level control.

## 3.2 Phantom Power

The DM16 provides +48V phantom power for condenser microphones. This is a global switch, meaning it applies to all microphone inputs simultaneously. Ensure all connections are made before activating phantom power to prevent damage to non-phantom powered devices.

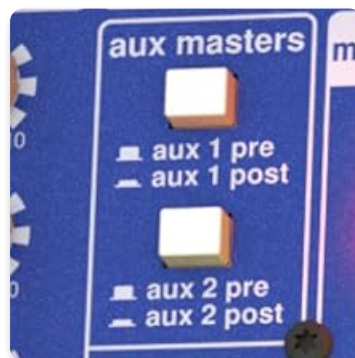


Figure 3.4: Phantom power switch.

## 3.3 Monitoring

Use the headphone output and monitor controls to listen to the main mix or specific auxiliary sends. The monitor section includes controls for local monitor and phones output levels.

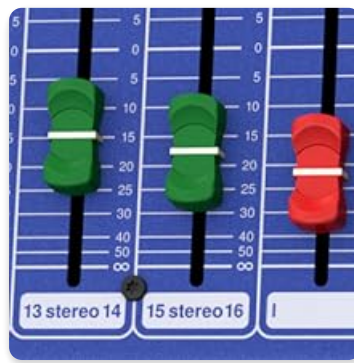


Figure 3.5: Monitor and headphone controls.

## 4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your MIDAS DM16 mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid abrasive cleaners or solvents that could damage the finish or controls.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust accumulation, especially around faders and knobs.
- **Ventilation:** Ensure adequate airflow around the unit to prevent overheating. Do not block ventilation openings.
- **Storage:** Store the mixer in a cool, dry environment away from direct sunlight and extreme temperatures.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your DM16 mixer.

- **No Power:**
  - Check if the power cord is securely connected to both the mixer and the power outlet.
  - Verify that the power outlet is functional.
  - Ensure the power switch on the rear panel is in the 'On' position.
- **No Sound Output:**
  - Check all input and output cable connections.
  - Ensure channel faders and the main mix fader are raised.
  - Verify that the MUTE buttons on active channels are not engaged.
  - Check the gain settings for each channel.
  - Confirm that your connected speakers or monitoring system are powered on and functioning correctly.
- **Distorted Sound:**
  - Reduce the GAIN setting on the input channel if the PEAK LED is frequently illuminating.

- Lower the output level of the connected source device.
- Check for faulty cables.

- **Hum or Noise:**

- Ensure all cables are properly shielded and in good condition.
- Check for ground loops; try connecting all audio equipment to the same power strip.
- Keep audio cables away from power cables.

If you encounter issues not covered here, please refer to the support section.

## 6. SPECIFICATIONS

Feature	Detail
Product Type	Analogue Live and Studio Mixer
Input Channels	16 (12 mono, 2 stereo)
Microphone Preamplifiers	Award-winning MIDAS preamplifiers
EQ on Mono Channels	3-band with swept mid band
Aux Sends	2 (with pre/post fader switching)
Power Source	Corded Electric
Item Weight	11.02 pounds (5.0 kg)
Product Dimensions (L x W x H)	17.24 x 14.57 x 3.74 inches (438 x 370 x 95 mm)
Country of Origin	China
Model Number	DM16
Connectivity Technology	Auxiliary

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

Your MIDAS DM16 mixer is covered by a limited warranty against defects in materials and workmanship. Please refer to the warranty card included with your product or visit the official MIDAS website for detailed warranty terms and conditions.

*Note:* The warranty may not cover damage caused by improper use, unauthorized modifications, or natural disasters.



## 7.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact MIDAS customer support through their official website or the contact information provided in your product documentation.




**Online Resources:**




- Official MIDAS Website: [www.midasconsoles.com](http://www.midasconsoles.com)
- Product Support Page: (Specific link if available, otherwise general website)

When contacting support, please have your product model number (DM16) and serial number ready.

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MIDAS DM16 User Manual - Model: DM16

### Related Documents - DM16

	<p><a href="#">MIDAS DM16/DM12 Analogue Mixer Quick Start Guide</a></p> <p>A quick start guide for the MIDAS DM16/DM12 analogue mixing console, detailing its features, setup, operation, and technical specifications.</p>
	<p><a href="#">MIDAS M32R LIVE Quick Start Guide: Digital Mixer Console</a></p> <p>This Quick Start Guide provides essential information for operating the MIDAS M32R LIVE digital mixer console. It covers safety instructions, control surface layout, rear panel connections, main display functions, firmware updates, USB recording, block diagram, technical specifications, and FCC compliance for live sound and studio applications.</p>
	<p><a href="#">MIDAS M32 LIVE Digital Console - Quick Start Guide</a></p> <p>Quick Start Guide for the MIDAS M32 LIVE digital console, featuring 40 input channels, 32 MIDAS PRO preamplifiers, 25 mix buses, and multitrack recording. Includes setup, operation, and technical specifications.</p>

<div><div>User Manual</div><div></div><div>DIGITAL RACK MIXER M32R Digital Console for Live and Studio with 40 Input Channels, 16 Midas PRO Microphone Preamp/Gates and 25 Mix Buses</div><div>MIDAS</div></div> <div><div>EN</div><div>ES</div><div>FR</div><div>DE</div><div>PT</div><div>PL</div><div>GR</div></div>	<p><a href="#">Midas M32R Digital Rack Mixer User Manual - Live &amp; Studio Console</a></p> <p>Comprehensive user manual for the Midas M32R Digital Rack Mixer, detailing its features, operation, safety instructions, and technical specifications for live and studio applications.</p>
<div><div>Quick Start Guide</div><div></div><div>M32R LIVE Digital Console for Live and Studio with 40 Input Channels, 16 Midas PRO Microphone Preamp/Gates and 25 Mix Buses and Live Multi-track Recording</div><div>MIDAS</div></div> <div><div>EN</div><div>ES</div><div>FR</div><div>DE</div><div>PT</div><div>PL</div><div>GR</div></div>	<p><a href="#">MIDAS M32R LIVE Quick Start Guide</a></p> <p>A concise guide to setting up and operating the MIDAS M32R LIVE digital console, covering essential safety information, control surface layout, rear panel connections, firmware updates, and technical specifications.</p>
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