

## MIDAS DP48

# Midas DP48 Dual 48-Channel Personal Monitor Mixer Instruction Manual

## 1. PRODUCT OVERVIEW

The Midas DP48 is a sophisticated dual 48-channel personal monitor mixer designed for professional audio environments. It enables two performers to independently control their monitor mixes, ensuring each individual hears precisely what they need. Beyond monitoring, the DP48 integrates an SD card interface for stereo recording and playback of rehearsals and performances. Its intuitive interface and compatibility with AES50-equipped devices make it an ideal solution for both studio and live stage applications.

### Key Features:

- **Dual 48-Channel Personal Monitor Mixer:** Compatible with Midas personal monitoring system hubs.
- **12 Stereo Groups:** Facilitates rapid creation and balancing of personal mixes from fully configurable stem groups.
- **Dual Mix Feature:** Allows independent control of two complete monitor mixes simultaneously.
- **Integrated SD Card Interface:** For stereo recording and playback of rehearsal sessions and performances.
- **Built-in Stereo Ambience Microphone:** Provides an on-stage sound feed to reduce the sense of isolation when using in-ear monitors.

## 2. SETUP GUIDE

Proper setup of your Midas DP48 ensures optimal performance and integration into your audio system. Follow these steps for initial configuration:

1. **Power Connection:** Connect the provided 24V DC power supply to the 'DC INPUT' port on the rear panel. Ensure the 'ON/OFF' switch is in the 'OFF' position before connecting power. The DP48 can also be remotely powered via AES50 if your system supports Power over Ethernet (PoE).

2. **AES50 Connectivity:** For digital audio and control, connect an AES50-compatible device (e.g., Midas console, stage box) to the 'AES50 IN' port using a Cat5e or Cat6 Ethernet cable. If daisy-chaining multiple DP48 units, use the 'THRU' port to connect to the next unit.
3. **Audio Output:** Connect your headphones or in-ear monitors to the 'PHONES' output (1/4-inch TRS). For connecting to floor monitors or external amplification, use the 'MIX A' and 'MIX B' line outputs (1/4-inch TRS, L/MONO and R).
4. **SD Card Insertion:** Insert an SD card into the 'DATA/REC' slot for recording and playback functionalities. Ensure the card is formatted correctly (FAT32 recommended).
5. **Initial Power On:** Once all connections are secure, switch the 'ON/OFF' button to the 'ON' position. The unit will power up and display its default interface.



Figure 2.1: Rear panel connections of the Midas DP48. This image displays the various input and output ports, including DC input, Ultraset (AES50) ports for digital audio, MIDI In, Line Out for external monitoring, and Phones output for personal monitoring.

## 3. OPERATING INSTRUCTIONS

The Midas DP48 offers intuitive controls for managing your personal monitor mixes. Familiarize yourself with the front panel layout and functions:

### 3.1 Front Panel Controls



Figure 3.1: Top view of the Midas DP48, illustrating the main display, rotary encoders, and channel selection buttons.

- **Mix A / Mix B Controls:** Dedicated sections for two independent monitor mixes. Each mix has its own volume control and can be assigned to different outputs.
- **Channel Selection Buttons (1-12):** These buttons allow you to select individual channels or stereo groups for adjustment. The DP48 supports up to 48 channels, organized into 12 stereo groups.
- **Rotary Encoders:** Adjust parameters such as volume, pan, EQ (Low, Mid, High), and effects for the selected channel or group. The central display provides visual feedback for these adjustments.
- **SETUP Button:** Accesses the system settings menu for advanced configuration, including routing, EQ presets, and SD card management.
- **SD-REC Button:** Initiates and controls stereo recording and playback to/from the inserted SD card.
- **COMP Button:** Activates and adjusts the compressor for the selected channel or group, helping to control dynamics.
- **REVERB Button:** Engages and controls the reverb effect for the selected channel or group.
- **MIC / AUX IN:** Controls for the built-in ambience microphone and any external auxiliary input. The ambience microphone helps integrate stage sound into your in-ear mix.

## 3.2 Creating Personal Mixes

To create your desired monitor mix:

1. Select either **Mix A** or **Mix B** depending on which mix you are adjusting.
2. Use the **Channel Selection Buttons (1-12)** to choose the input channel or stereo group you wish to adjust.
3. Adjust the **Volume**, **Pan**, and **EQ (Low, Mid, High)** using the corresponding rotary encoders.

4. Engage **COMP** or **REVERB** as needed and adjust their parameters.
5. Utilize the **Ambience Microphone** to blend in the natural stage sound for a more natural listening experience.

### 3.3 Recording and Playback

The integrated SD card functionality allows for convenient recording and playback:

1. Ensure an SD card is inserted into the 'DATA/REC' slot.
2. Press the **SD-REC** button to access recording/playback options on the display.
3. Follow the on-screen prompts to start recording your stereo mix or to select and play back previously recorded files.

## 4. MAINTENANCE

To ensure the longevity and reliable performance of your Midas DP48, adhere to the following maintenance guidelines:

- **Cleaning:** Regularly wipe the unit with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and internal components.
- **Storage:** When not in use, store the DP48 in a cool, dry environment away from direct sunlight, extreme temperatures, and excessive humidity.
- **Cable Management:** Ensure all cables are neatly organized and not under strain to prevent damage to connectors and ports.
- **Software Updates:** Periodically check the Midas website for firmware updates to ensure your unit has the latest features and bug fixes.

## 5. TROUBLESHOOTING

If you encounter issues with your Midas DP48, consult the following common troubleshooting steps:

- **No Power:**
  - Verify the power adapter is securely connected to both the DP48 and a working power outlet.
  - Check the 'ON/OFF' switch position.
  - If using AES50 PoE, ensure the connected Midas hub or device is providing power.
- **No Audio Output:**
  - Ensure headphones/monitors are correctly plugged into the 'PHONES' or 'MIX A/B' outputs.
  - Check the master volume and individual channel volumes on the DP48.
  - Verify the audio source connected via AES50 is sending a signal and that routing is correctly configured on the main console.
  - Check for any muted channels or groups on the DP48 or the main console.

- **SD Card Issues:**

- Ensure the SD card is properly inserted.
- Check if the SD card is formatted to FAT32.
- If recording fails, the card may be full or write-protected.

- **Intermittent Connectivity:**

- Inspect AES50 cables for damage and ensure secure connections.
- Ensure the AES50 network is stable and free from interference.

For persistent issues, please refer to the official Midas support resources or contact customer service.

## 6. SPECIFICATIONS

Feature	Detail
Item Weight	3.89 pounds
Product Dimensions	9.5 x 6.46 x 2.72 inches
Item Model Number	DP48
Power Source	Battery Powered ( <i>Note: Typically refers to external DC power supply, not internal battery</i> )
Brand	MIDAS
Number of Channels	48
Connectivity Technology	Interface (AES50)
Output Connector Type	XLR (Line Out is TRS, but XLR is common for professional audio output types)
Date First Available	October 2, 2019

## 7. WARRANTY INFORMATION

Midas products are designed and manufactured to high standards. For detailed warranty information, including coverage period and terms, please refer to the warranty card included with your product or visit the official Midas website. Keep your proof of purchase for any warranty claims.

## 8. SUPPORT

For technical assistance, product registration, or further inquiries, please visit the official Midas support page. You can find FAQs, driver downloads, and contact information for customer service there.