Peavey Aureus 28

Peavey Aureus 28-channel Digital Mixer Instruction Manual

Model: Aureus 28

1. Introduction

The Peavey Aureus 28-channel Digital Mixer is a professional audio mixing console designed for live sound, studio recording, and various sound reinforcement applications. It features 28 input channels, advanced digital signal processing, and flexible connectivity options including Ethernet, USB, and Wi-Fi for remote control. This manual provides essential information for the proper setup, operation, and maintenance of your Aureus 28 digital mixer.

2. Setup

2.1 Unpacking and Inspection

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

2.2 Physical Placement

Place the Aureus 28 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 environments with excessive dust or moisture.

2.3 Power Connection

Connect the provided power adapter to the DC22.5V input on the rear panel of the mixer. Plug the power adapter into a suitable electrical outlet. Ensure the power switch is in the OFF position before connecting power.

2.4 Input and Output Connections

The Aureus 28 offers a variety of input and output options. Use high-quality XLR cables for microphone and line-level inputs. Connect your main speakers to the XLR outputs (MAIN L/R) and monitor speakers to the CTRL ROOM outputs. Additional outputs are available for various routing needs.

Figure 1: Rear panel connections of the Peavey Aureus 28-channel Digital Mixer. This view displays the XLR inputs (1-16), additional inputs (17-22), stereo inputs, XLR outputs (MAIN L/R, CTRL ROOM, and 1-8), and connectivity ports including USB, Ethernet, Footswitch, and Wi-Fi control antenna.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

- **To Power On:** Ensure all connections are secure. Flip the POWER switch on the rear panel to the ON position. The mixer will initiate its startup sequence.
- **To Power Off:** Before powering off, save any important settings or scenes. Flip the POWER switch to the OFF position.

3.2 Basic Controls Overview

The Aureus 28 features a combination of physical faders, rotary encoders, and a touchscreen interface for comprehensive control. The main display provides visual feedback for channel levels, effects, routing, and system settings.

Figure 2: Top view of the Peavey Aureus 28-channel Digital Mixer, illustrating the main control surface with faders, knobs, and a tablet displaying the digital interface. This shows the layout for channel control and system navigation.

3.3 Input Channel Configuration

Each input channel can be configured individually. Use the physical faders to adjust channel levels. Access the digital interface via the touchscreen or a connected device (tablet/computer) to adjust parameters such as:

- **Gain:** Adjusts the input sensitivity for optimal signal level.
- **Equalization (EQ):** Shapes the tone of the audio signal.
- **Dynamics:** Compressors and gates to control signal dynamics.
- **Aux Sends:** Routes signals to monitor mixes or effects processors.
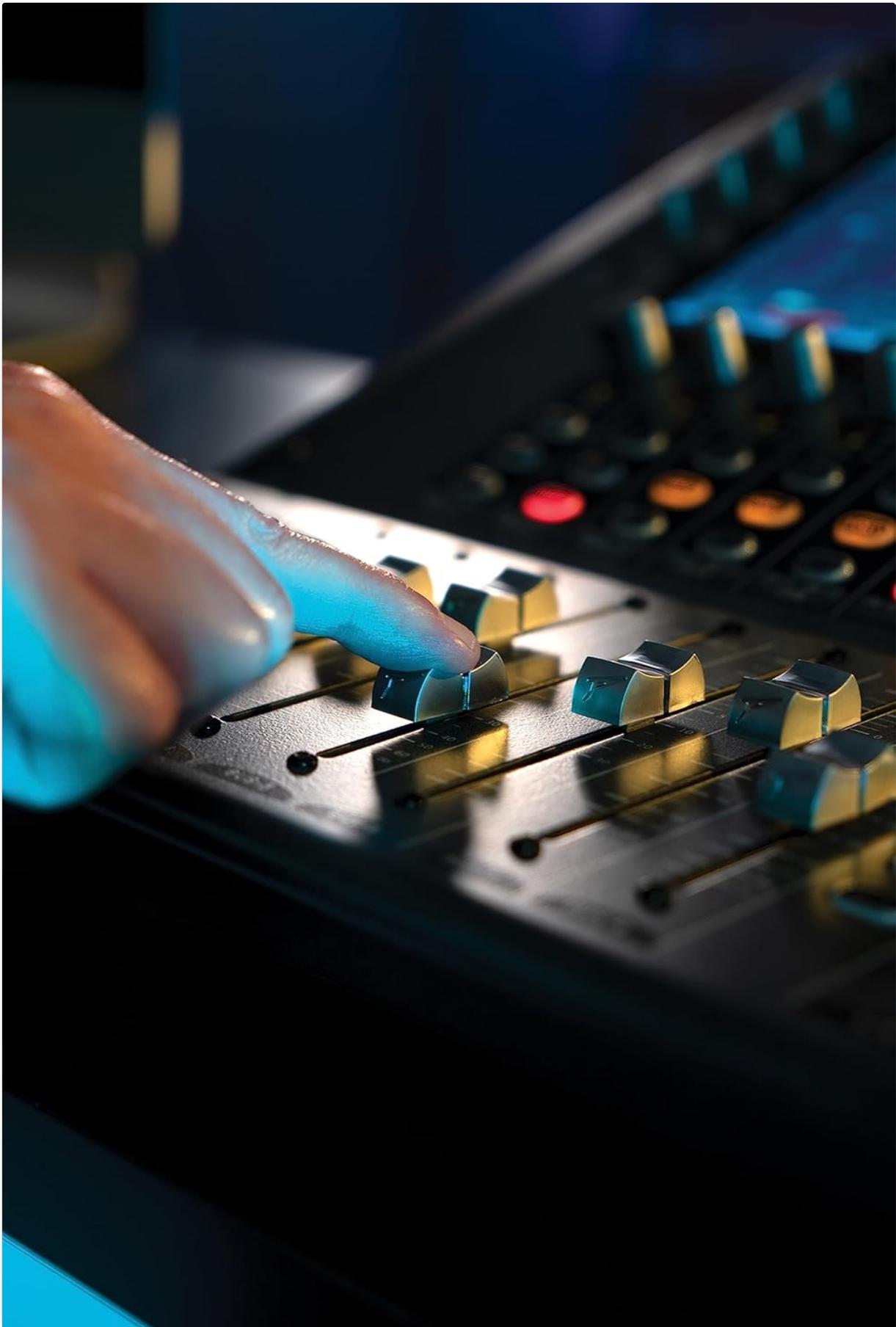- **Pan:** Positions the sound in the stereo field.

Figure 3: Close-up of the fader section on the Peavey Aureus 28-channel Digital Mixer, demonstrating the tactile control available for individual channel levels. The faders are illuminated, indicating active channels.

3.4 Output Routing

The Aureus 28 allows flexible routing of audio to various outputs. Use the digital interface to assign channels or mixes to the Main L/R outputs, Control Room outputs, and auxiliary outputs for monitors,

external effects, or recording devices.

3.5 Digital Connectivity

The mixer supports Wi-Fi, USB, and Ethernet connectivity. Wi-Fi allows for remote control via a dedicated application on a tablet or smartphone. USB ports can be used for audio recording/playback or connecting external storage. Ethernet provides a stable connection for network control.

4. MAINTENANCE

4.1 Cleaning

To clean the mixer, use a soft, dry cloth. For stubborn dirt, a slightly damp cloth with mild soap can be used, ensuring no liquid enters the unit. Avoid abrasive cleaners or solvents. Regularly clean the faders and knobs to ensure smooth operation.

4.2 Software Updates

Periodically check the Peavey website for firmware updates. Keeping your mixer's software up-to-date ensures optimal performance, new features, and bug fixes. Follow the instructions provided with the update package carefully.

4.3 Storage

When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging or a protective case to prevent dust accumulation and physical damage.

5. TROUBLESHOOTING

5.1 No Power

- Ensure the power adapter is securely connected to both the mixer and a working electrical outlet.
- Verify the power switch on the rear panel is in the ON position.
- Check the power outlet with another device to confirm it is functional.

5.2 No Audio Output

- Confirm that main output faders are raised and not muted.
- Check all cable connections from the mixer outputs to your amplifier or powered speakers.
- Verify that input channels are assigned to the main mix and their faders are up.
- Ensure the master volume control is not set to minimum.

5.3 Distorted Audio

- Reduce input gain levels if the input signal is clipping (indicated by red peak lights).
- Check for faulty cables or connectors.
- Ensure output levels are not overdriving connected amplifiers or speakers.

5.4 Wi-Fi/Remote Control Issues

- Ensure the Wi-Fi antenna is securely attached to the mixer.
- Verify that your remote device (tablet/smartphone) is connected to the mixer's Wi-Fi network.
- Restart both the mixer and the remote control application.

6. SPECIFICATIONS

Brand	Peavey
Model	Aureus 28
Number of Channels	28
Item Weight	22.9 Pounds
Connectivity Technology	Ethernet, USB, Wi-Fi
Power Source	Corded Electric
Output Connector Type	Digital, RCA, XLR
Audio Input	XLR
Manufacturer	Peavey
UPC	014367669596
ASIN	B08NTPZDJ2
GTIN	014367669596

7. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Peavey Electronics website or contact Peavey customer service. Keep your purchase receipt as proof of purchase for any warranty claims.