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Peavey PV5300

Peavey PV 5300 All In One Powered Mixer User Manual

1. INTRODUCTION

The Peavey PV 5300 is a versatile all-in-one powered mixer designed for clear audio reproduction. It features up to four combination XLR and 1/4" inputs with premium Peavey mic preamps and delivers 200 watts of peak power. This unit incorporates the FLS Feedback Locating System to identify and eliminate feedback, along with footswitchable, built-in reverb. Connectivity options include 1/4", RCA, and 1/8" mini jacks.

Key Features:

- FLS Feedback Locating System for feedback suppression.
- Combination XLR and 1/4" input jacks for versatile connectivity.
- 5-band graphic EQ with FLS for precise tone shaping.
- Master mute function for channels 1-4.
- On-board digital reverb for enhanced sound.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the Peavey PV 5300 powered mixer. Retain this manual for future reference.

Important Safety Precautions:

- **Power Source:** Connect the unit only to the specified power supply voltage as indicated on the rear panel. Ensure the voltage selector switch (115V/230V) is set correctly for your region.
- **Grounding:** This unit must be properly grounded to prevent electric shock. Do not defeat the grounding type plug.
- **Moisture:** Do not expose the unit to rain or moisture. Do not use near water or in damp locations.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat:** Do not place near heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.

- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.
- **Fuses:** Replace fuses only with the same type and rating as specified on the unit's rear panel.



Figure 2.1: Rear panel of the Peavey PV 5300, illustrating power input, fuse, voltage selector, and speaker outputs. Note the safety warnings printed on the chassis.

3. SETUP

This section guides you through the initial setup of your Peavey PV 5300 powered mixer.

3.1 Physical Placement

- Place the mixer on a stable, flat surface.
- Ensure there is sufficient space around the unit for proper ventilation.
- Avoid placing the unit near strong electromagnetic fields or other electronic devices that may cause interference.

3.2 Power Connection

1. Before connecting the power cord, verify the voltage selector switch on the rear panel is set to the correct voltage for your region (115V or 230V).
2. Connect the provided AC power cord to the IEC inlet on the rear panel of the mixer.
3. Plug the other end of the power cord into a grounded electrical outlet.
4. Ensure the power switch on the rear panel is in the 'OFF' position before plugging into the wall outlet.

3.3 Speaker Connections

The PV 5300 features two speaker outputs (AMP 1 and AMP 2) on the rear panel.

- Connect passive speakers to the speaker outputs using appropriate speaker cables.
- Ensure the speakers have a minimum impedance load of 4 ohms. Connecting speakers with lower impedance can damage the amplifier.

- For optimal performance, use high-quality speaker cables with proper gauge for the length of the run.

3.4 Input Connections

The front panel provides various input options:



Figure 3.1: Front panel of the Peavey PV 5300, detailing input channels, equalization controls, and master section.

- **Mic/Line Inputs (Channels 1-4):** Use XLR cables for microphones or 1/4" cables for line-level instruments (e.g., keyboards, guitars with preamps). These are combination jacks.
- **Media/MP3 Input (Channel 5):** Use RCA cables for stereo audio sources or an 1/8" mini-jack for portable media players.
- **Footswitch:** Connect an optional footswitch to control reverb tip/reverb defeat.
- **Rec Out:** RCA outputs for connecting to a recording device.
- **Mix to Ext Amp:** 1/4" output to send the main mix to an external power amplifier.

4. OPERATING INSTRUCTIONS

This section provides detailed instructions for operating your Peavey PV 5300 powered mixer.

4.1 Powering On/Off

1. Ensure all volume controls (channel levels and master volume) are set to their minimum positions before powering on.
2. Flip the power switch on the rear panel to the 'ON' position.
3. To power off, first reduce all volume controls, then flip the power switch to 'OFF'.

4.2 Input Channel Controls (Channels 1-4)

- **HIGH/LOW EQ:** Adjusts the treble and bass frequencies for each channel. Turn clockwise to boost, counter-clockwise to cut.

- **REVERB:** Controls the amount of signal sent from the channel to the internal reverb effect.
- **LEVEL:** Adjusts the individual channel's volume in the main mix.
- **CLIP Indicator:** Illuminates when the input signal is too strong, indicating potential distortion. Reduce the input level if this light frequently illuminates.

4.3 Main Section Controls

- **MUTE INPUTS 1-4:** A switch to instantly mute or unmute channels 1 through 4.
- **REVERB LEVEL:** Controls the overall level of the reverb effect in the main mix.
- **MAIN EQ (FLS Feedback Locating System):** A 5-band graphic equalizer. The FLS system uses LEDs on each EQ band to indicate frequencies where feedback is occurring. When feedback is detected, the corresponding LED will light up, allowing you to reduce that specific frequency band to eliminate the feedback.
- **AMP LEVEL:** Displays the output level of the amplifier. Monitor this to avoid clipping.
- **MASTER VOLUME:** Controls the overall output volume of the mixer.

4.4 Basic Operation Steps

1. Connect all microphones, instruments, and speakers as described in the Setup section.
2. Ensure all channel LEVEL and MASTER VOLUME controls are at minimum.
3. Power on the mixer.
4. Gradually increase the MASTER VOLUME to a low listening level.
5. For each active input channel, slowly increase its LEVEL control until the desired volume is achieved. Watch the CLIP indicator and reduce the input level if it flashes excessively.
6. Adjust the HIGH and LOW EQ controls for each channel to shape the tone.
7. If using reverb, adjust the channel REVERB control and the main REVERB LEVEL.
8. If feedback occurs, observe the FLS LEDs on the MAIN EQ. Reduce the corresponding frequency band(s) until the feedback is eliminated.
9. Adjust the MASTER VOLUME for the overall desired sound level.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Peavey PV 5300.

5.1 Cleaning

- Always disconnect the power cord before cleaning.
- Use a soft, dry cloth to wipe down the exterior of the unit.
- For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth.
- Do not use abrasive cleaners, solvents, or waxes, as these can damage the finish.
- Keep liquids away from openings and controls.

5.2 Storage

- Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, cover the unit to protect it from dust.

5.3 Fuse Replacement

If the unit fails to power on, the fuse may need replacement. The fuse holder is located on the rear panel.

1. Disconnect the power cord from the electrical outlet.
2. Locate the fuse holder on the rear panel (refer to Figure 2.1).
3. Carefully pry open the fuse holder cover.
4. Remove the old fuse and replace it with a new fuse of the exact same type and rating. The required fuse rating is printed near the fuse holder (e.g., T1AL/250V for 115V operation, T0.5AL/250V for 230V operation).
5. Close the fuse holder cover securely.
6. Reconnect the power cord and test the unit. If the new fuse blows immediately, there may be a more serious internal issue requiring professional service.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Peavey PV 5300.

6.1 No Sound Output

- **Check Power:** Ensure the unit is powered on and the power cord is securely connected. Check the fuse (refer to Section 5.3).
- **Volume Levels:** Verify that the MASTER VOLUME and individual channel LEVEL controls are not at minimum.
- **Speaker Connections:** Confirm speakers are correctly connected to the AMP 1/AMP 2 outputs and speaker cables are functional.
- **Input Connections:** Ensure microphones or instruments are properly connected to the correct input jacks.
- **Mute Switch:** Check if the MUTE INPUTS 1-4 switch is engaged.

6.2 Feedback (High-Pitched Squeal)

- **FLS System:** Observe the FLS LEDs on the MAIN EQ. Reduce the gain on the indicated frequency band(s).
- **Microphone Placement:** Move microphones further away from speakers or position them behind the speakers.
- **Input Gain:** Reduce the LEVEL control for the offending microphone channel.
- **Overall Volume:** Lower the MASTER VOLUME if necessary.

6.3 Distorted Sound

- **Clip Indicators:** Check if any channel CLIP indicators are frequently lighting up. Reduce the LEVEL for those channels.
- **Amp Level:** Ensure the AMP LEVEL meter is not consistently in the red zone. Reduce MASTER VOLUME if it is.
- **Speaker Impedance:** Verify that your speakers meet the minimum 4-ohm impedance requirement.
- **Cable Integrity:** Check all audio cables for damage or loose connections.

7. SPECIFICATIONS

Technical specifications for the Peavey PV 5300 All In One Powered Mixer:

- **Model Number:** PV5300

- **Item Weight:** 16.9 pounds (7.67 kg)
- **Product Dimensions:** 17.8 x 11.8 x 11.5 inches (45.2 x 30 x 29.2 cm)
- **Power Output:** 200 Watts (peak)
- **Number of Channels:** 5 (4 Mic/Line, 1 Media/MP3)
- **Connectivity Technology:** XLR, 1/4", RCA, 1/8" mini-jack
- **Equalization:** 5-band graphic EQ with FLS (Feedback Locating System)
- **Effects:** On-board digital reverb
- **Speaker Amplification Type:** Active
- **Power Source:** Corded Electric (115V/230V selectable)

8. WARRANTY AND SUPPORT

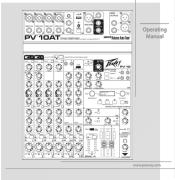
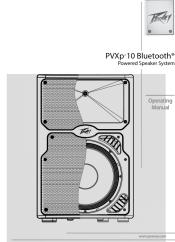
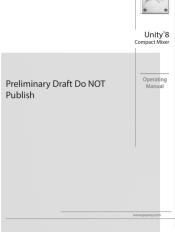
Peavey products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or visit the official Peavey website. In case of technical issues or questions not covered in this manual, please contact Peavey customer support or an authorized service center.

For additional resources and product information, visit the [Peavey Store on Amazon](#).

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Related Documents - PV5300

	<p>Peavey PV®i 6500 400-Watt, 6-Channel Mixer Amplifier with SD Card / USB MP3 / Bluetooth® Player Operating Manual</p> <p>Operating manual for the Peavey PV®i 6500 powered mixer, detailing its features, controls, and safety instructions. This all-in-one mixer includes six combination XLR and 1/4" inputs, 400 watts of peak power, Mid Morph EQ, FLS Feedback Locating System, Kosmos-C technology, 24-bit digital effects, USB/SD MP3 player, and Bluetooth connectivity.</p>
	<p>Peavey XR 8300 & XR 8600 Powered Mixers Operating Manual</p> <p>Comprehensive operating manual for the Peavey XR 8300 and XR 8600 powered mixers, detailing features, front and rear panel controls, safety instructions, specifications, and warranty information.</p>

	<p><u>Peavey PV®10AT & PV®BT Compact Mixer Operating Manual</u></p> <p>This comprehensive operating manual provides detailed information on the Peavey PV®10AT and PV®BT compact mixers, covering features, front panel controls, specifications, block diagram, and warranty information.</p>
	<p><u>Peavey PVXp 10 Bluetooth Powered Speaker System Operating Manual</u></p> <p>This operating manual provides detailed information on the Peavey PVXp 10 Bluetooth, a 520W peak dynamic power two-way bi-amped powered speaker system with DSP, Bluetooth connectivity, and versatile input options for sound reinforcement, PA, and playback.</p>
	<p><u>Peavey Unity 8 Compact Mixer Operating Manual</u></p> <p>This document provides operating instructions and specifications for the Peavey Unity 8 Compact Mixer, covering front and rear panel details, input/output connections, channel functions, and technical specifications.</p>
	<p><u>Peavey 210 Powered Enclosure Operating Guide and Specifications</u></p> <p>Operating guide and technical specifications for the Peavey 210 Powered Enclosure, featuring DDT™ technology, 210 watts RMS power, and dual 10-inch Scorpion™ loudspeakers. Includes safety information and usage guidelines.</p>

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