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> [Peavey PV 10 AT 10 Channel Compact Mixer with Bluetooth and Antares Auto-Tune User Manual](#)

Peavey PV10AT

Peavey PV 10 AT 10 Channel Compact Mixer User Manual

Model: PV10AT

INTRODUCTION

The Peavey PV 10 AT is a versatile 10-channel compact mixer designed for both live and recording applications. It features high-quality mic preamps, Bluetooth wireless input, digital effects, Antares Auto-Tune, and USB connectivity for streaming and playback. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your PV 10 AT mixer.



Figure 1: Angled view of the Peavey PV 10 AT Compact Mixer, showcasing its various controls and inputs.

1. Unpacking and Initial Inspection

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

2. Connecting Power

Connect the provided 15V/1.0A DC power adapter to the 'DC IN' port on the rear panel of the mixer. Plug the adapter into a suitable power outlet. Press the 'POWER' button to turn on the mixer.

3. Connecting Inputs

The PV 10 AT offers various input options:

- **Microphones/Line Sources (Channels 1-4):** Use XLR or 1/4" TRS/TS cables to connect microphones or line-level instruments to the combo jacks. Channels 1-4 also feature 'DIRECT OUT' 1/4" jacks for sending individual channel signals to a recording interface or secondary console.
- **Stereo Input (Channels 5/6):** Connect stereo line-level devices using a 3.5mm stereo jack or two 1/4" TS jacks (L/R).
- **USB A Playback (Channels 7/8):** Insert a USB flash drive containing MP3 files into the 'USB A' port. Use the 'MEDIA SELECT' controls to navigate and play tracks.
- **Bluetooth (Channels 7/8):** Activate Bluetooth by pressing the 'ON/OFF' button next to the Bluetooth indicator. Pair your smart device to stream audio wirelessly.
- **Stereo Input (Channels 9/10):** Connect additional stereo line-level devices using two 1/4" TS jacks (L/R).

4. Connecting Outputs

The mixer provides several output options:

- **Main Outputs:** Connect your main speakers or power amplifier using XLR or 1/4" TRS/TS cables.
- **Aux Send:** Use the 'AUX SEND' XLR output to send a monitor mix or external effects.
- **Control Room Outputs (A/B):** Connect studio monitors or a headphone amplifier to the RCA (L/R) outputs for monitoring. The A/B SELECT button allows switching between two sets of monitors.
- **USB B (Computer):** Connect the 'USB B' port to your computer for streaming the main mix to a Digital Audio Workstation (DAW) or for receiving audio from the computer for monitoring.
- **Headphone Output:** Connect headphones to the 1/4" stereo jack for private monitoring.



Figure 2: Rear panel connections of the Peavey PV 10 AT, including XLR/1/4" combo inputs, direct outs, stereo inputs, USB A, Aux Send, Stereo In, Main Outputs, and USB B.

OPERATING THE MIXER

1. Channel Controls (Channels 1-4)

- **Hi Pass:** Activates a high-pass filter to remove unwanted low-frequency rumble.
- **Gain:** Adjusts the input sensitivity for the connected microphone or instrument.
- **Comp (Compressor):** (Channels 1 & 2 only) Controls the amount of compression applied to the input signal, helping to smooth out dynamics and prevent clipping. A red LED indicates when the compressor is active.
- **High, Mid-Morph, Low (3-Band EQ):** Adjusts the high, mid, and low frequencies of the channel. The Mid-Morph control allows for dynamic adjustment of the mid-frequency range, acting as a low-mid cut or a high-mid boost depending on the setting.
- **EQ Bypass:** Bypasses the equalizer section for a direct comparison of the EQ'd and un-EQ'd signal.
- **Aux:** Controls the level of the channel's signal sent to the Aux Send output.
- **EFX:** Controls the level of the channel's signal sent to the internal digital effects processor.
- **Pan:** Adjusts the stereo position of the channel's signal (left to right).
- **Mute:** Mutes the channel's audio output.
- **Clip/Signal LEDs:** The green 'SIGNAL' LED indicates signal presence, while the red 'CLIP' LED warns of signal overload. Adjust gain to prevent clipping.
- **Solo:** Isolates the channel's signal for monitoring through headphones or control room outputs without affecting the main mix.
- **Level:** Adjusts the overall output level of the channel to the main mix.

2. Electric Guitar Pre-Shape (Channel 4)

Channel 4 includes a dedicated 'ELECTRIC GUITAR PRE-SHAPE' switch. Activating this switch optimizes the input impedance for direct connection of an electric guitar, providing a suitable tone without needing an external DI box or

amplifier.

3. Phantom Power (48V)

The 'PHANTOM POWER 48V' button activates 48V phantom power for condenser microphones connected to channels 1-4. Ensure condenser microphones are connected before activating phantom power.

4. Media Playback (Channels 7/8)

The media section allows playback from a USB A drive or via Bluetooth. Use the 'MEDIA SELECT' rotary encoder to browse folders and tracks on a USB drive. The Play/Pause and Skip buttons control playback. The 'USB A / Bluetooth' button switches between these two sources.

5. Digital Effects

The PV 10 AT features a built-in digital effects processor. Use the 'EFX SELECT' rotary encoder to choose from various effects (e.g., reverb, delay). Some effects allow parameter editing (e.g., delay time) by pressing the 'EFX SELECT' knob.

6. Antares Auto-Tune (Channels 1 & 2)

The 'Auto-Tune' button (channels 1 & 2) activates the Antares Auto-Tune feature. Use the 'EFX SELECT' knob to choose the desired key for Auto-Tune, ensuring vocal performances remain in pitch with the music. This feature can be toggled on/off via an optional footswitch connected to the 'FS' jack.

7. Kosmos-C Enhancement

The 'KOSMOS-C' button activates Peavey's proprietary audio enhancement technology. This circuitry processes the low and high frequencies to create a fuller, more defined sound, enhancing the apparent bass and clarity without increasing overall volume.

8. Control Room and Recording

The 'CONTROL ROOM' section allows for flexible monitoring and recording:

- **A/B Select:** Switches between two sets of control room monitors.
- **Level A/B:** Adjusts the output level for the selected control room monitors.
- **B/REC:** When engaged, the 'B' control room output becomes a dedicated record output, allowing you to send the main mix to an external recording device.
- **Rec Level:** Controls the level of the signal sent to the record output.
- **Record Level to Control Room:** Adjusts the level of the recorded signal returning from your computer (via USB B) to your control room monitors.

9. Main Outputs

The main mix is controlled by the 'MAIN L+R' faders. The LED meter bridge provides visual feedback of the main output levels. The 'MONO (SUM)' button sums the stereo main output to mono.

10. Headphone Output

The 'HEADPHONE SOLO/MAIN' knob adjusts the volume for the headphone output. The 'SOLO/MAIN' button allows you to switch between monitoring the soloed channels or the main mix.

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MAINTENANCE

To ensure the longevity and optimal performance of your Peavey PV 10 AT mixer, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the mixer's surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and controls.
- **Dust Protection:** When not in use, cover the mixer with a dust cover to prevent dust and debris from accumulating on the controls and internal components.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. If transporting, use appropriate protective casing.
- **Cable Care:** Always use high-quality cables and ensure they are properly connected and disconnected. Avoid pulling on cables or subjecting them to excessive strain, which can damage the connectors and internal wiring.
- **Ventilation:** Ensure adequate ventilation around the mixer to prevent overheating. Do not block any ventilation openings.

TROUBLESHOOTING

If you encounter issues with your Peavey PV 10 AT mixer, refer to the following common problems and solutions:

- **No Sound Output:**

- Check all power connections and ensure the mixer is turned on.
- Verify that input sources are properly connected and active.
- Ensure channel 'Mute' buttons are disengaged and 'Level' knobs/faders are raised.
- Check main output faders and control room levels.
- Confirm that connected speakers or amplifiers are powered on and functioning correctly.

- **Distortion or Clipping:**

- Reduce the 'Gain' control on the input channel.
- If the 'CLIP' LED is flashing, the input signal is too hot. Lower the source volume or the channel gain.
- Engage the compressor on channels 1 & 2 to manage dynamic peaks.

- **Feedback:**

- Reduce microphone gain or move microphones further from speakers.
- Use the 'Hi Pass' filter on microphone channels.
- Adjust the EQ to cut problematic frequencies (often mid-range).

- **Bluetooth Connectivity Issues:**

- Ensure the Bluetooth 'ON/OFF' button is engaged and the indicator is flashing (pairing mode) or solid (connected).
- Check your smart device's Bluetooth settings and ensure it's discoverable.
- Move the device closer to the mixer to improve signal strength.

- **USB Recording/Playback Problems:**

- For USB A playback, ensure the USB drive is formatted correctly and contains compatible MP3 files.
- For USB B recording, verify that your computer recognizes the mixer as an audio device and that your

DAW settings are correct.

- Check the 'Record Level' and 'Record Level to Control Room' knobs for proper signal routing.

SPECIFICATIONS

Feature	Detail
Item Weight	9.46 pounds
Product Dimensions	16.14 x 16.54 x 3.54 inches
Item Model Number	PV10AT
Color Name	Black
Material Type	Stainless Steel
Power Source	Corded Electric
Number of Channels	10 (4 mic/line, 2 stereo line, 2 USB/Bluetooth, 2 stereo in)
Connectivity Technology	Bluetooth, USB
Phantom Power	48V
Effects	Digital effects with LCD display, Antares Auto-Tune
EQ per Channel	3-band with Mid-Morph

WARRANTY INFORMATION

Peavey Electronics Corporation warrants this product against defects in material and workmanship for a period of one (1) year from the date of original purchase. This warranty is valid only if the product is purchased from an authorized Peavey dealer and the original sales receipt is retained as proof of purchase. The warranty does not cover damage resulting from accident, misuse, abuse, neglect, unauthorized modification, or improper installation or operation. For full warranty terms and conditions, please refer to the official Peavey website or contact customer support.

CUSTOMER SUPPORT

For technical assistance, service, or further information regarding your Peavey PV 10 AT mixer, please contact Peavey Customer Support. You can find contact details, FAQs, and additional resources on the official Peavey website. Please have your product model number (PV10AT) and proof of purchase ready when contacting support.