

Peavey 6505 Head 1992 Original

Peavey 6505 1992 Original 120-watt Tube Head User Manual

Model: 6505 Head 1992 Original

1. INTRODUCTION

Welcome to the Peavey 6505 1992 Original 120-watt Tube Head user manual. This amplifier head is designed to deliver powerful, high-gain tube tone for guitarists. This manual provides essential information for the safe and effective operation, setup, maintenance, and troubleshooting of your amplifier. Please read it thoroughly before connecting or operating the unit.

2. SAFETY INFORMATION

WARNING: To reduce the risk of electric shock, do not remove the amplifier chassis. No user-serviceable parts inside. Refer servicing to qualified service personnel.

- **High Voltage:** This amplifier contains high voltage components. Do not operate with the chassis removed.
- **Heat:** Tube amplifiers generate significant heat. Ensure adequate ventilation around the unit. Do not block ventilation openings.
- **Power Source:** Connect the amplifier only to the specified power supply voltage. Ensure the power cord is in good condition and properly grounded.
- **Moisture:** Do not expose the amplifier to rain or moisture.
- **Servicing:** If the unit requires service, contact an authorized Peavey service center.

3. KEY FEATURES

- 2-channel Tube Head with 3-band EQ
- Resonance and Presence Controls
- Pre-Gain and Post-Gain Controls for each channel
- Crunch and Bright Switches for tonal shaping

- 2-button Footswitch included for channel switching and effects loop activation

4. FRONT PANEL CONTROLS

The front panel provides all the necessary controls for shaping your tone and managing the amplifier's channels.



Figure 4.1: Front Panel Layout of the Peavey 6505 1992 Original Tube Head. This image displays the inputs, gain controls, equalization section, power amp controls, and power switches.

- **Inputs:** Two 1/4" input jacks: HIGH GAIN for maximum output and NORMAL GAIN for standard input levels.
- **Rhythm Channel Controls:**
 - **Pre-Gain:** Adjusts the input sensitivity and overdrive level for the Rhythm channel.
 - **Crunch Switch:** Engages a crunch mode for the Rhythm channel, adding more grit.
 - **Bright Switch:** Adds high-frequency sparkle to the Rhythm channel.
- **Lead Channel Controls:**

- **Pre-Gain:** Adjusts the input sensitivity and overdrive level for the Lead channel.
- **Equalization (Common to both channels):**
 - **Low:** Adjusts the bass frequencies.
 - **Mid:** Adjusts the midrange frequencies.
 - **High:** Adjusts the treble frequencies.
- **Post-Gain Controls:**
 - **Rhythm Post-Gain:** Controls the overall output volume of the Rhythm channel.
 - **Lead Post-Gain:** Controls the overall output volume of the Lead channel.
- **Power Amp Controls:**
 - **Resonance:** Adjusts the low-end response of the power amplifier.
 - **Presence:** Adjusts the high-end response and clarity of the power amplifier.
- **Power Switches:**
 - **Standby:** Places the amplifier in a low-power state, preserving tube life.
 - **Power:** Turns the main power to the amplifier ON or OFF.

5. REAR PANEL CONNECTIONS

The rear panel houses all the necessary connections for external devices and speaker cabinets.



Figure 5.1: Rear Panel Layout of the Peavey 6505 1992 Original Tube Head. This image shows the power input, fuse, effects loop connections, preamp output, remote footswitch jack, and speaker output jacks.

- **Power Input:** IEC power connector for the detachable power cord.
- **Fuse:** User-replaceable fuse for circuit protection. Always replace with the correct type and rating.
- **Effects Loop:**
 - **SEND:** Output for connecting to the input of external effects processors.
 - **RETURN:** Input for connecting from the output of external effects processors.
- **Preamp Out:** Provides a signal output from the preamp section, useful for connecting to other power amplifiers or recording devices.
- **Remote Switch:** Jack for connecting the supplied 2-button footswitch for channel switching and effects loop bypass.

- **Speaker Outputs:** Multiple 1/4" jacks for connecting speaker cabinets. Ensure correct impedance matching (4, 8, or 16 ohms) to prevent damage to the amplifier.

6. SETUP

Proper setup is crucial for optimal performance and safety.

1. **Placement:** Place the amplifier head on a stable, level surface, ensuring adequate ventilation. Do not place it on carpet or in enclosed spaces that could restrict airflow.
2. **Speaker Connection:** Connect your speaker cabinet(s) to the appropriate speaker output jack(s) on the rear panel. **Crucially, match the impedance of your cabinet(s) to the amplifier's output impedance setting.** For example, if you have an 8-ohm cabinet, connect it to the 8-ohm output. Using mismatched impedances can damage the amplifier.
3. **Guitar Connection:** Connect your guitar to either the HIGH GAIN or NORMAL GAIN input on the front panel using a high-quality instrument cable.
4. **Footswitch Connection:** Connect the supplied 2-button footswitch to the REMOTE SWITCH jack on the rear panel.
5. **Power Connection:** Ensure the POWER switch is OFF and the STANDBY switch is in the STANDBY position. Connect the IEC power cord to the amplifier's power input and then to a grounded AC outlet.

7. OPERATING INSTRUCTIONS

Follow these steps to power on and operate your amplifier.

1. **Power On Sequence:**
 - Ensure all volume controls (Post-Gain) are set to minimum.
 - Flip the POWER switch to the ON position. Wait approximately 30-60 seconds for the tubes to warm up.
 - Flip the STANDBY switch to the ON position.
 - Slowly increase the Post-Gain control for your desired channel to a comfortable listening level.
2. **Channel Switching:** Use the front panel CHANNEL switch or the footswitch to toggle between the Rhythm and Lead channels.
3. **Tone Shaping:** Experiment with the Pre-Gain, EQ (Low, Mid, High), Crunch, Bright, Resonance, and Presence controls to achieve your desired sound.
4. **Effects Loop Usage:** To integrate external effects, connect the SEND jack to your effect unit's input and the effect unit's output to the RETURN jack. The footswitch can typically bypass the effects loop.
5. **Power Off Sequence:**
 - Flip the STANDBY switch to the STANDBY position.
 - Flip the POWER switch to the OFF position.

8. MAINTENANCE

Regular maintenance ensures the longevity and performance of your amplifier.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use abrasive cleaners or solvents.

- **Tube Replacement:** Vacuum tubes have a finite lifespan. If you notice a decrease in performance, excessive noise, or inconsistent tone, tubes may need replacement. This should ideally be performed by a qualified technician. Always replace tubes with the correct type and matched sets where applicable.
- **Ventilation:** Periodically check that ventilation grilles are free from dust and obstructions.
- **Storage:** When not in use for extended periods, store the amplifier in a dry, temperature-controlled environment, ideally covered to protect from dust.

9. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
No sound	Power cord disconnected, fuse blown, speaker cable disconnected/faulty, volume controls at zero, standby switch in standby.	Check power and speaker connections. Replace fuse if blown (with correct type). Ensure volume controls are up and standby is off.
Excessive hum or noise	Faulty tubes, ground loop, poor cable shielding, external interference.	Try different cables. Ensure proper grounding. Test with different power outlets. Consult a technician for tube inspection/replacement.
Weak or inconsistent tone	Worn out tubes, incorrect impedance matching, faulty guitar/pedals.	Check tube condition. Verify speaker impedance. Test amplifier with a different guitar and without pedals.
Amplifier gets too hot	Poor ventilation, prolonged high-volume operation, internal fault.	Ensure adequate airflow around the unit. Reduce volume. If overheating persists, discontinue use and seek service.

If these steps do not resolve the issue, please contact an authorized Peavey service center.

10. SPECIFICATIONS

- **Output Wattage:** 120 Watts
- **Power Source:** 120w
- **Item Weight:** 49.6 pounds
- **Product Dimensions:** 30.3 x 15.4 x 12.5 inches
- **Material Type:** Stainless Steel
- **Compatible Devices:** Guitar
- **Item Model Number:** 6505 Head 1992 Original

11. PRODUCT VIDEOS

Watch these videos for additional information and demonstrations of the Peavey 6505 1992 Original 120-watt Tube Head.

Video 1: Peavey 6505 Overview (2:46)

Your browser does not support the video tag.

This video provides a general overview of the Peavey 6505 amplifier, showcasing its features and potential sounds. It is 2 minutes and 46 seconds in duration.

Video 2: Peavey 6505 Demonstration (3:18)

Your browser does not support the video tag.

This video offers a demonstration of the Peavey 6505 amplifier's capabilities, highlighting its tonal characteristics. It is 3 minutes and 18 seconds in duration.

12. WARRANTY AND SUPPORT

Peavey Electronics Corporation warrants this product against defects in material and workmanship for a period specified in the warranty card included with your purchase. Please retain your proof of purchase. For warranty service, technical support, or to locate an authorized service center, please visit the official Peavey website or contact their customer support directly. Do not attempt to service the unit yourself, as this may void your warranty and expose you to dangerous high voltages.