

Peavey 3010050

Peavey PV-1 V1 HH 203.400MHz Wireless Microphone System

User Manual

1. INTRODUCTION

The Peavey PV-1 V1 HH 203.400MHz Wireless Microphone System is engineered to deliver reliable and high-quality audio performance for a variety of applications, including karaoke, singing, and public speaking. This manual provides essential information for the proper setup, operation, and maintenance of your wireless microphone system, ensuring optimal performance and longevity.

2. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before operating this product. Retain this manual for future reference.

- **Power Source:** Only use the AC/DC adapter supplied with the unit. Ensure the power outlet voltage matches the adapter's requirements.
- **Batteries:** Use only the specified 9V battery for the microphone. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly.
- **Moisture:** Do not expose the system to rain, moisture, or extreme humidity. Avoid placing liquid-filled objects on or near the unit.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Ventilation:** Ensure proper ventilation for the receiver. Do not block any ventilation openings.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Carefully unpack your Peavey PV-1 V1 HH Wireless Microphone System and verify that all the following items are included:

- Peavey PV-1 VHF Single-Channel Diversity Receiver

- Peavey PV-1 V1 HH Handheld Wireless Microphone
- AC/DC Power Adapter
- Audio Connection Cable (1/4" TS to 1/4" TS)
- Warranty Card
- User Manual (this document)



Figure 3.1: Complete package contents of the Peavey PV-1 Wireless Microphone System.

4. PRODUCT OVERVIEW

The Peavey PV-1 system consists of a wireless receiver and a handheld wireless microphone. Understanding the components will aid in proper setup and operation.

4.1. PV-1 VHF Single-Channel Diversity Receiver

This unit receives the audio signal from the wireless microphone. It features diversity reception to minimize signal dropouts.

- **Antennas:** Two telescopic antennas for diversity reception.
- **Power Switch:** Turns the receiver on or off.
- **Power Indicator:** Illuminates when the receiver is powered on.
- **RF Indicator:** Illuminates when a radio frequency signal is received from the microphone.
- **AF Indicator:** Illuminates when an audio frequency signal is detected.
- **Volume Control:** Adjusts the audio output level of the receiver.
- **Audio Output Jack:** 1/4" TS output for connecting to a mixer or PA system.
- **DC Input Jack:** For connecting the AC/DC power adapter.

4.2. PV-1 V1 HH Handheld Wireless Microphone

This is the wireless microphone component of the system.

- **Microphone Grille:** Protects the microphone capsule.
- **Battery Compartment:** Located at the bottom of the microphone, for a 9V battery.

- **Power Switch:** Turns the microphone on or off.
- **Power/Low Battery Indicator:** Illuminates when powered on, flashes or changes color to indicate low battery.



Figure 4.1: Peavey PV-1 Receiver and Handheld Microphone.

5. SETUP

Follow these steps to set up your Peavey PV-1 Wireless Microphone System.

5.1. Receiver Setup

1. **Placement:** Place the receiver on a stable, flat surface, away from potential sources of interference (e.g., computers, large metal objects, other wireless devices). Ensure good line-of-sight to the microphone's intended operating area.
2. **Antennas:** Extend both telescopic antennas fully and position them vertically for optimal reception.
3. **Power Connection:** Connect the supplied AC/DC power adapter to the DC input jack on the rear of the receiver. Plug the adapter into a suitable power outlet.

4. **Audio Output Connection:** Connect one end of the supplied audio cable (1/4" TS) to the Audio Output jack on the receiver. Connect the other end to an input on your PA system, mixer, or amplifier. Ensure the input on your audio device is set to an appropriate level (e.g., line level).
5. **Power On:** Turn on the receiver by pressing the Power Switch. The Power Indicator light should illuminate.

5.2. Microphone Setup

1. **Battery Installation:** Unscrew the bottom cap of the handheld microphone to reveal the battery compartment. Insert one fresh 9V battery, observing the correct polarity (+/-) as indicated inside the compartment. Replace the cap securely.
2. **Power On:** Turn on the microphone by sliding its Power Switch to the 'ON' position. The Power/Low Battery Indicator light should illuminate briefly.

6. OPERATING THE SYSTEM

Once the system is set up, follow these steps for operation:

1. **Power On Receiver:** Ensure the receiver is powered on and its Power Indicator is lit.
2. **Power On Microphone:** Turn on the handheld microphone. The RF Indicator on the receiver should illuminate, indicating that the receiver is receiving a signal from the microphone.
3. **Adjust Receiver Volume:** Start with the receiver's volume control at a low setting.
4. **Test Microphone:** Speak or sing into the microphone. The AF Indicator on the receiver should illuminate, indicating that audio is being received.
5. **Adjust Audio Levels:** Gradually increase the volume on the receiver and your connected PA system/mixer until you achieve the desired audio level. Avoid setting levels too high, which can cause distortion or feedback.
6. **Microphone Usage:** Hold the microphone approximately 2-6 inches (5-15 cm) from your mouth for optimal sound quality. Avoid covering the microphone grille with your hand, as this can affect sound.
7. **Power Off:** When finished, first turn off the microphone, then turn off the receiver. This helps prevent pops or thumps through your sound system.

7. MAINTENANCE

Proper maintenance will extend the life of your wireless microphone system.

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces of the receiver and microphone. Do not use abrasive cleaners, waxes, or solvents.
- **Battery Replacement:** Replace the 9V battery in the microphone when the Low Battery Indicator illuminates or when audio quality degrades. Always use a fresh, high-quality alkaline battery. Remove the battery if the microphone will not be used for an extended period to prevent leakage.
- **Storage:** Store the system in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Antennas:** Handle the receiver antennas carefully to avoid bending or breaking them.

8. TROUBLESHOOTING

If you encounter issues with your Peavey PV-1 system, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from microphone	Microphone or receiver not powered on Low or dead microphone battery Receiver not connected to PA/mixer Volume levels too low Microphone out of range	Ensure both microphone and receiver are ON. Replace 9V battery in microphone. Check audio cable connection from receiver to PA/mixer. Increase volume on receiver and PA/mixer. Move microphone closer to the receiver.
Weak or intermittent signal	Low microphone battery Obstructions between mic and receiver Antennas not properly positioned Interference from other devices	Replace 9V battery. Ensure clear line-of-sight. Avoid large metal objects. Extend and position receiver antennas vertically. Move system away from other electronic devices.
Distorted audio	Volume levels too high Microphone too close to mouth Interference	Reduce volume on receiver or PA/mixer. Maintain proper distance (2-6 inches) from microphone. Check for and eliminate sources of interference.
Receiver RF indicator not lit	Microphone not powered on Microphone out of range Microphone battery dead	Turn on microphone. Move microphone closer to receiver. Replace microphone battery.

9. SPECIFICATIONS

Detailed technical specifications for the Peavey PV-1 V1 HH Wireless Microphone System:

- **Model Name:** 3010050
- **Brand:** Peavey
- **Connectivity Technology:** Wireless
- **Microphone Form Factor:** Handheld
- **Number of Channels:** 1
- **Frequency:** 203.400MHz (VHF)
- **Audio Sensitivity:** 45 Decibels
- **Signal-to-Noise Ratio:** 60 dB
- **Polar Pattern:** Unidirectional
- **Power Source (Microphone):** Battery Powered (1 x 9V battery required)
- **Material:** Plastic
- **Color:** Black
- **Item Dimensions (L x W x H):** 15 x 11 x 2.8 inches
- **Item Weight:** 2.88 pounds
- **Compatible Devices:** PA System, Audio Mixer
- **Recommended Uses:** Karaoke, Singing, Speech
- **Manufacturer:** Peavey

- **UPC:** 014367603491

10. WARRANTY INFORMATION

Your Peavey PV-1 V1 HH Wireless Microphone System comes with a limited warranty. Please refer to the included warranty card for detailed terms, conditions, and registration information. Keep your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For technical assistance, service, or additional product information, please contact Peavey customer support. You can find contact details on the official Peavey website or through your local authorized dealer.

Visit the [Peavey Store on Amazon](#) for more products and information.

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