

SAMSON SWXPD1BLM5

Samson XPD1 Lavalier USB Digital Wireless System User Manual

Model: SWXPD1BLM5

1. INTRODUCTION

The Samson XPD1 Lavalier USB Digital Wireless System is designed to provide high-quality wireless audio for computer recordings, presentations, and other applications. This system includes a USB receiver, a belt pack transmitter, and a lavalier microphone, offering a convenient and reliable solution for capturing clear audio directly to your Mac or PC.

2. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Samson XPD1 system:

- **USB Receiver:** Plugs directly into your computer's USB port. Features Status and Pair buttons, and a 3.5mm output jack for monitoring.
- **Belt Pack Transmitter (PXD1):** Worn by the user, it transmits audio wirelessly to the receiver. Includes a power button, gain control, and a connector for the lavalier microphone.
- **Lavalier Microphone (LM5):** A small, clip-on microphone designed for discreet placement and clear voice capture.

3. SETUP INSTRUCTIONS

3.1. Installing Batteries in the Transmitter

1. Locate the battery compartment on the back of the PXD1 belt pack transmitter.
2. Open the compartment cover.
3. Insert two fresh AA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

3.2. Connecting the Lavalier Microphone

1. Take the lavalier microphone. The connector is designed to securely fit the transmitter.
2. Plug the microphone's connector into the input jack on the top of the PXD1 belt pack transmitter.
3. Gently twist the connector to ensure it is securely fastened and will not accidentally disconnect during use.



Figure 1: Samson LM5 Lavalier Microphone. Connect this to the belt pack transmitter.

3.3. Connecting the USB Receiver

1. Plug the XPD1 USB receiver directly into an available USB-A port on your computer (Mac or PC).
2. The receiver will draw power from the USB port.
3. For optimal performance and to avoid interference, ensure the USB receiver has a clear, unobstructed line of sight to the transmitter.



Figure 2: Samson XPD1 USB Receiver. Plug this into your computer's USB port.



Figure 3: Samson XPD1 USB Receiver connected to a mobile device (adapter not included).

3.4. Pairing the Devices

The XPD1 system is designed for easy pairing. Typically, the units are pre-paired from the factory. If re-pairing is necessary:

1. Turn on the belt pack transmitter.
2. Plug the USB receiver into your computer.
3. Press and hold the 'Pair' button on the USB receiver until the status indicator begins to flash.
4. Press and hold the 'Pair' button on the belt pack transmitter until its status indicator also flashes.
5. Once both indicators show a solid light, the devices are successfully paired.

4. OPERATING INSTRUCTIONS

4.1. Powering On/Off

- To power on the belt pack transmitter, slide the power switch to the 'ON' position. The status indicator will light up.
- To power off, slide the power switch to the 'OFF' position.
- The USB receiver powers on automatically when plugged into a powered USB port.

4.2. Adjusting Gain

The belt pack transmitter features a gain control to adjust the microphone's input sensitivity. This control is located inside the battery compartment.

1. Open the battery compartment cover.
2. Use a small screwdriver or similar tool to adjust the 'GAIN' dial to your desired level.

3. Start with a lower gain setting and increase it gradually to avoid distortion.
4. Close the battery compartment cover.

4.3. Audio Monitoring

The USB receiver includes a 3.5mm output jack, allowing you to monitor the audio directly from the receiver using headphones. This is useful for checking audio levels and quality during recording or live use.

4.4. Operating Range

The Samson XPD1 system offers an operating range of up to 100 feet (approximately 30 meters), depending on environmental conditions. Maintain a clear line of sight between the transmitter and receiver for optimal performance and to minimize interference.

5. MAINTENANCE

5.1. Battery Replacement

Regularly check and replace the AA batteries in the belt pack transmitter to ensure consistent performance. Low battery power can affect audio quality and operating range.

5.2. Cleaning

Clean the units with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which can damage the finish or internal components. Keep the microphone windscreen clean for optimal sound.

5.3. Storage

When not in use, store the system in a cool, dry place. Remove batteries from the transmitter if storing for extended periods to prevent leakage.

6. TROUBLESHOOTING

- **No Sound or Intermittent Audio:**

- Ensure both the transmitter and receiver are powered on and successfully paired (solid status lights).
- Check battery levels in the transmitter and replace if necessary.
- Verify the lavalier microphone is securely connected to the transmitter.
- Ensure the USB receiver is plugged into a functioning USB port on your computer.
- Check your computer's audio input settings to ensure the XPD1 is selected as the input device.
- Reduce the distance between the transmitter and receiver.
- Ensure there are no physical obstructions or other electronic devices causing interference between the transmitter and receiver.

- **Crackling or Distorted Audio:**

- Adjust the gain control on the transmitter. If the audio is too loud, it can cause distortion.
- Ensure the microphone is not too close to the sound source, which can lead to clipping.
- Check for potential sources of electromagnetic interference.

- **Loss of Connection After Going Out of Range:**

- If the connection is lost after moving out of range, you may need to restart the receiver (unplug and replug) or re-pair the devices once back within range.

7. SPECIFICATIONS

Brand	SAMSON
Model Name	Lavalier
Model Number	SWXPD1BLM5
Connectivity Technology	USB
Connector Type	USB
Special Feature	USB, Wireless
Compatible Devices	Laptop, Personal Computer
Included Components	USB cable (for receiver connection)
Polar Pattern	Omnidirectional
Item Weight	10.4 ounces
Microphone Form Factor	Lavalier
Power Source	Corded Electric (for receiver), Battery (for transmitter)
Signal-to-Noise Ratio	74 dB
Hardware Platform	PC
Number of Channels	1
Item Dimensions	12 x 2.75 x 4.75 inches
Recommended Uses	Speech, Voice Recording

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The Samson XPD1 Lavalier USB Digital Wireless System comes with a **2-year parts and labor warranty**. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For further assistance, technical support, or service inquiries, please visit the official Samson website or contact their customer service department. Refer to the product packaging or Samson's website for the most current contact information.