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› Waytronic Powersound V1 PIR Motion Sensor Voice Programmable Speaker User Manual

Waytronic Powersound V1

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Model: Powersound V1

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Waytronic Powersound V1 PIR Motion Sensor Voice Programmable Speaker. Please read this manual thoroughly before using the device to ensure proper function and safety.

SAFETY INFORMATION

- Ensure the power supply matches the device's requirements (DC12V).
- This device is **not waterproof**. Avoid exposure to rain, moisture, or any liquids.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from extreme temperatures and direct sunlight.
- Install the device securely to prevent it from falling.

PRODUCT OVERVIEW

The Waytronic Powersound V1 is a wall-mountable PIR motion sensor speaker designed to play custom audio files upon motion detection. It features a sensitive sensor, a built-in 10W loudspeaker, and supports audio file updates via USB or SD card.



Figure 1: Waytronic Powersound V1 PIR Motion Sensor Speaker with included power adapter.

Components and Features:

- **PIR Motion Sensor:** Detects movement within approximately 16 feet (5 meters) and triggers audio playback.
- **Built-in Speaker:** 10W loudspeaker for clear audio output.
- **USB Interface:** For connecting a USB flash drive to transfer audio files.
- **SD Card Slot:** For inserting an SD card (max 2GB) to play audio directly or transfer files.
- **Volume Controls:** Buttons for adjusting playback volume.
- **Playback Modes:** Supports single cycle or sequential playback of audio files.

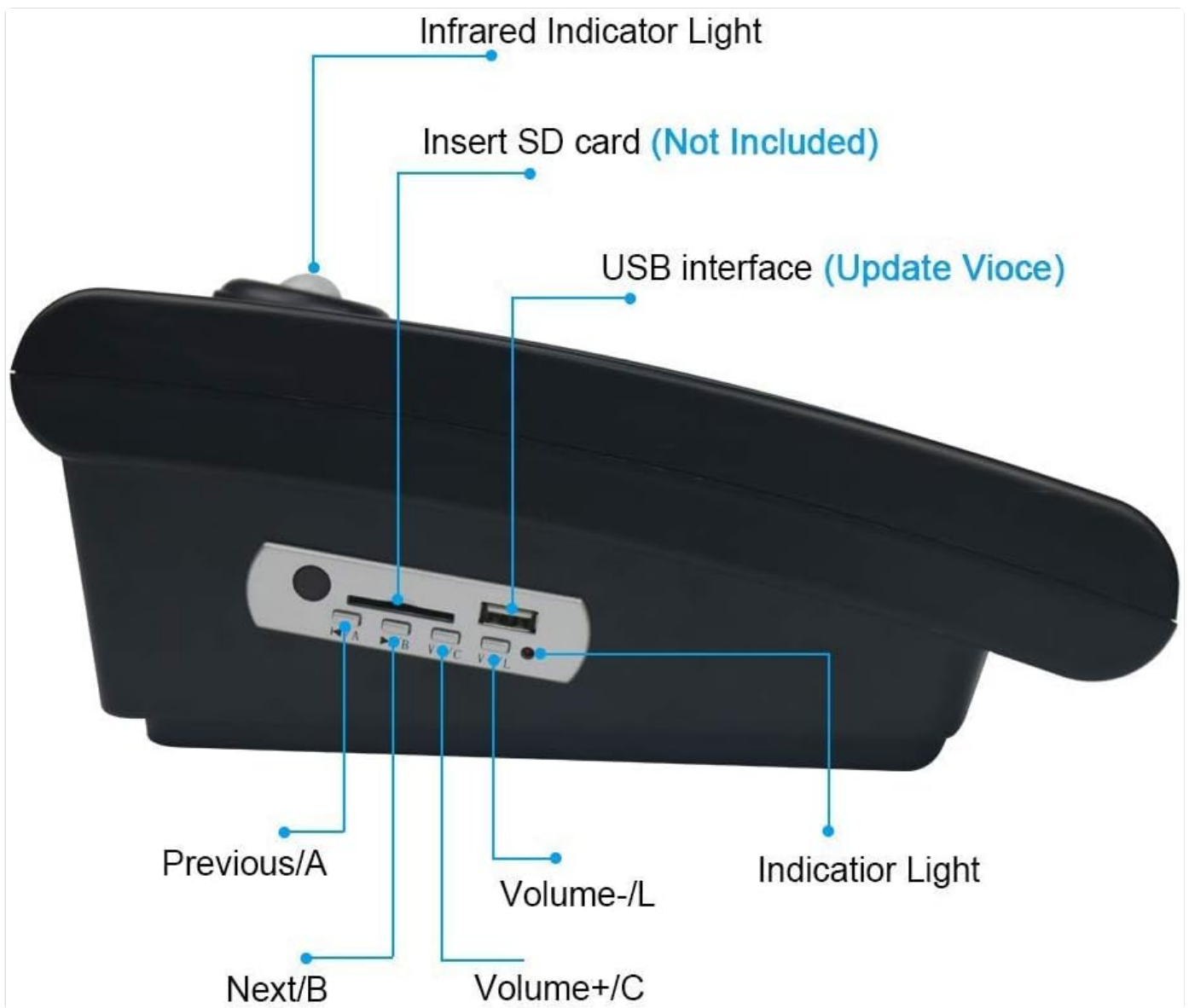


Figure 2: Side view of the device showing the Infrared Indicator Light, SD card slot, USB interface, and control buttons (Previous/A, Next/B, Volume+/C, Volume-/L).

SETUP

1. Mounting the Device

- The Powersound V1 is designed for wall mounting.
- Choose a location where the motion sensor has an unobstructed view of the desired detection area.
- Consider installing it on the top of a wall or discreetly behind an object like a tree in a covered outdoor area, ensuring it is protected from moisture.
- Secure the device using appropriate mounting hardware (not included).

2. Power Connection

- Connect the provided DC12V power adapter to the device's power input port.
- Plug the power adapter into a standard electrical outlet. The device will power on automatically.

3. Customizing Audio Files

The device supports MP3 audio files. You can update audio files using either a USB flash drive or an SD card.



Figure 3: Close-up of the USB port and SD card slot for audio file management.

Using a USB Flash Drive:

1. Format your USB flash drive to **FAT32**. (Note: NTFS format may cause transfer issues).
2. Copy your desired MP3 audio files to the root directory of the USB flash drive.
3. Insert the USB flash drive into the USB interface on the device.
4. Press and hold the **V+/C** button. The device should automatically begin copying files to its internal memory. The red indicator light may blink during this process.
5. Once the transfer is complete, remove the USB flash drive.

Using an SD Card:

1. Copy your desired MP3 audio files to a standard SD card (maximum 2GB).
2. Insert the SD card into the SD card slot on the device.
3. The device can play audio files directly from the SD card.

OPERATING INSTRUCTIONS

1. Motion Detection and Playback

- Once powered on and with audio files loaded, the device will enter standby mode.
- When the PIR motion sensor detects movement within its range (approximately 16 feet), it will trigger the playback of the stored audio files.
- The audio can be heard up to 100 feet (30 meters) away.



Figure 4: Illustration of the motion sensor detecting movement and triggering sound playback.

2. Playback Modes

The device supports two main playback modes:

- **Single Cycle Playback:** Plays one audio file and then stops until motion is detected again.
- **Order Playback (Sequential):** Plays audio files in sequence. After playing the last file, it will loop back to the first.

Specific instructions for switching between these modes are typically found in the device's internal programming or may be controlled by the order of files on the SD card/USB drive. Refer to the manufacturer's specific guidance if available.

3. Volume Adjustment

- Use the **V+/C** button to increase the volume.
- Use the **V-/L** button to decrease the volume.
- The device offers multiple volume levels.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, disconnect the power adapter and store the device in a cool, dry place.
- **Environmental Protection:** As the device is not waterproof, ensure it is always protected from rain and high humidity, especially if used in outdoor settings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power supply or faulty adapter.	Check power connection. Ensure adapter is securely plugged into both the device and the outlet. Verify outlet functionality.
Audio files do not transfer from USB.	Incorrect USB format (e.g., NTFS instead of FAT32). Files not in MP3 format. Transfer process not initiated correctly.	Format USB drive to FAT32 . Ensure files are MP3. Hold the V+/C button while USB is inserted to initiate transfer. Consider using a PC for file transfer if experiencing issues with a Mac.
No sound playback upon motion detection.	No audio files loaded. Volume set to minimum. Sensor obstructed or faulty.	Verify audio files are correctly loaded. Increase volume using V+/C button. Ensure sensor is clear and facing the detection area.
Sound quality is poor or distorted.	Audio file quality is low. Volume set too high.	Ensure source audio files are of good quality. Reduce volume if distortion occurs at maximum levels.
Motion sensor not detecting.	Sensor obstructed. Object outside detection range. Environmental factors (e.g., extreme heat/cold affecting PIR).	Clear any obstructions from the sensor's view. Ensure movement occurs within 16 feet of the sensor. Relocate the device if environmental conditions are extreme.

SPECIFICATIONS

Feature	Detail
Model Name	Powersound V1
Brand	Waytronic
Mounting Type	Wall Mount
Material	Plastic
Speaker Type	Multimedia

Feature	Detail
Special Feature	Audio Updatable
Product Dimensions	5.12"D x 10.63"W x 7.09"H (approx. 13cm D x 27cm W x 18cm H)
Item Weight	1.49 Kilograms (3.27 pounds)
Impedance	8 Ohm
Waterproof	No
Maximum Range (Motion Sensor)	Approx. 16 feet (5 meters) for motion detection
Maximum Range (Sound Output)	Up to 100 feet (30 meters)
Control Method	Voice (via programmable audio), PIR Motion Sensor
Wireless Communication Technology	PIR motion sensor
Power Source	DC12V
Speaker Maximum Output Power	10 Watts
Connectivity Technology	IR, USB
Audio Output Mode	Stereo
Supported Audio Format	MP3
SD Card Support	Max 2GB

WARRANTY AND SUPPORT

Warranty Information

The Waytronic Powersound V1 comes with a **Full Warranty**. For specific terms and conditions, please refer to the warranty card included with your product or contact Waytronic customer service.

Customer Support

If you encounter any issues or have questions not covered in this manual, please contact Waytronic customer service. You can often find contact information on the product packaging, the official Waytronic website, or through your purchase platform. When contacting support, please have your product model (Powersound V1) and purchase details ready.

