

JENSEN®

Wireless Stereo Speaker System Installation and Operation Manual

Model JW250

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INTRODUCTION

JENSEN Wireless Speakers eliminate the hardest part of adding speakers to almost any location in your home – running and hiding hundreds of feet of speaker wire. Like FM radio, the JENSEN Wireless Speaker System's 900MHz signals travel through walls, floors, ceilings and other obstacles, delivering high-quality sound virtually anywhere in or about the home.

The JENSEN Wireless JW250 stereo speakers are designed to provide high-quality sound in challenging locations, such as a home office, dining room, or outdoor patio. The mounting holes on the back of the speakers allow them to be easily mounted on a wall to provide hours of music enjoyment.

The JENSEN Wireless JW250 Speaker System is compatible with most audio sources, i.e. TVs, VCRs, stereo receivers/amps, personal stereos, boom boxes, DSS receivers, and individual stereo component pieces (DVD/CD players, cassette players, etc.) The contents of this manual cover various connection options and detailed operating procedures for making the JENSEN Wireless JW250 Speaker System a valuable part of your daily routine. If, after having reviewed the instructions you have any questions, please contact our Customer Service Department at 1-800-732-6866.

- A. Tuning Indicator Light
- B. Tuning Control Knob

- C. Power On-Off/Volume Control
- D. Speaker Power Input Jack
- E. Battery Compartment Cover
- F. Audio Level Indicator Light
- G. Transmitter Power Input Jack
- H. Input Level Control
- I. Audio Input Cable
- J. Channel Select Switch (A/B)
- K. Antenna
- L. Transmitter AC Adapter – 12V DC 100mA
- M. Speaker AC Adapter – 6V DC 200mA
- N. "Y" Cable Adapter
- O. 1/4" Headphone Adapter Plug

Appropriate line drawings.

CONNECT THE TRANSMITTER

Connect the transmitter as follows:

Step 1 Power the Transmitter

1. Insert power cord from 12V AC Adapter (L) into the transmitter Power Input Jack (G). **Note: Be sure to use the 12V DC 100mA Adapter.**
2. Plug AC Adapter (L) into any standard wall outlet or surge protector.

Note: There is no transmitter ON/OFF switch. The transmitter should be left plugged in and powered at all times. When the JW250 is not in use for an extended period of time you may wish to unplug the AC Adapter.

Step 2 Connect to an Audio Source

Insert Options 1, 2, and 3 here

ADJUST THE TRANSMITTER

Adjust the transmitter as follows:

- STEP 1 Turn ON your Audio Source (i.e. Stereo Receiver, TV, PC, etc.) so that you can hear sound coming from the source.

STEP 2 Pivot the Transmitter's Antenna (K) to an upright, vertical position.

STEP 3 Set Transmitter Level.

1. Set the Channel Select Switch (J) to either channel A or B.
2. Turn the Input Level Control (H) all the way to the left (your left when looking at the transmitter controls), as shown.
3. Check status of Audio Level Indicator (F). If Audio Level Indicator (A) flickers intermittently, proceed to CONNECT THE SPEAKER.
4. If the light does not flicker or is solid red adjust the PC's Volume Control up or down as necessary to make the Audio Level Indicator flicker intermittently.

CONNECT THE SPEAKER

Connect the speaker as follows:

Step 1 Power the Speaker

Select from the following options to power the JW250:

Power Option 1 – "C" Cell Batteries

1. Turn the speaker Power On-Off/Volume Control (C) to the "OFF" position (all the way counter-clockwise – it will "click" off).
2. Remove the Battery Compartment Cover (E).
3. Insert four (4) "C" batteries (not included) into the speaker following the polarity ("+" and "-") as diagrammed in the battery compartment.
4. Replace the Battery Compartment Cover.

Power Option 2 – AC Adapter

1. Turn the speaker Power On-Off/Volume Control (C) to the "OFF" position (all the way counter-clockwise – it will "click" off).
2. Insert the power cord from the Speaker AC Adapter (M) into the Speaker Power Input Jack (D).
3. Plug AC Adapter (N) into any standard wall outlet or surge protector.

Note: Be sure to use the AC Adapter rated 6V DC 200mA.

Step 2 Tune the Speaker

Adjust the speakers as follows:

Turn On and Tune the Speakers

1. Use the speaker Power On-Off/Volume Control (C) to turn the speaker "ON."
2. Turning the Tuning Control Knob (B) until the Tuning Indicator Light (A) illuminates green, indicating that the speaker is tuned to the signal from the transmitter. With the volume up, you should now be able to hear the audio source.
3. Adjust Volume (C) as desired.

Note: If the Tuning Indicator flashes, try fine-tuning. If the light still flashes, check the transmitter settings to make sure the signal is strong enough, as indicated by the steady flashing Audio Level Indicator on the transmitter. As needed, adjust the transmitter.

MORE FINE-TUNING

If, after fine-tuning, interference in the form of static and/or "drop-outs" can be heard, adjust Channel Select Switch (J) to the other channel and re-tune the receiver. If you are unable to achieve clear sound, please refer to "Troubleshooting."

MORE HELPFUL INFORMATION

ABOUT FIXED-LEVEL OUTPUTS

A fixed-level, or line-level audio output is considered ideal since it provides an audio signal unchanged by adjustments to the audio source's (stereo, etc) volume control.

Hint: Fixed-level audio outputs from stereo receivers/amps will typically be designated as Tape, Tape 1, and Tape 2 outputs, DAT (digital audio tape) outputs, VCR audio output connections, and auxiliary audio outputs. Tape, Tape 1, Tape 2 and DAT outputs are usually marked as 'TAPE OUTPUT,' TAPE OUT,' TAPE REC,' or 'TAPE RECORD.' Jacks

Many PC soundcards have a "Line Out" that is a fixed-level output. Depending on the fixed output level of the soundcard, this signal may not be strong enough for your optimal signal strength.

ABOUT VARIABLE-LEVEL OUTPUTS

A variable-level output is an audio signal that changes in relation to the volume adjustments on the PC. The speaker output on a soundcard is a variable-level output.

As the volume of the PC goes up and down, so too does the strength of the audio signal sent to the transmitter. This can affect the quality of the sound you hear on the home stereo, and may require increasing the volume level of the audio source to achieve a strong enough audio signal for use with the Matrix, or decreasing the audio source volume if sound from the headset is distorted by a too-strong signal.

TROUBLE SHOOTING

The following troubleshooting guide outlines possible problems and corrections associated with the installation/operation of a wireless system. If problems persist, please call 1-800-732-6866 and a knowledgeable consumer service representative will assist you.

TROUBLE	CHECKS AND ADJUSTMENTS
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No Sound	
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| | <ul style="list-style-type: none">• Check that the outlets the transmitter and receiver are plugged into are providing power.• Check that the AC Adapters are fully inserted into the wall outlets and the power cords from the AC adapters are firmly connected to the Power Input Jack on the transmitter and receiver.• Check that the PC is turned on and providing sound as it normally would.• Check that the home stereo volume is turned up.• If you are using the speaker output on your sound card, adjust the volume on the PC up as necessary until the Audio Level Indicator flashes (about half the time) and sound is heard through the home stereo when the receiver is tuned. |
|--|--|

No Sound/Distortion/Static	
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|--|--|
| | <ul style="list-style-type: none">• Check that the receiver Tuning Indicator is lit. If not, adjust the Tuning Control until the green indicator light comes on.• Check that the antenna is in the upright position.• Check that the transmitter Audio Level Indicator is flickering intermittently. If using a fixed output and the light is on solid/flickering very rapidly, or if the light is not on at all, adjust the PC's volume control so the light flickers intermittently. |
|--|--|

- Change the position of the transmitter's Channel Select Switch to change operating frequency. Then readjust the receiver's Tuning Control until the Tuning Indicator comes on.
- Try changing physical location of the transmitter. Locate as high and free of obstruction as possible. Avoid placing directly on top of a PC (or other electronic equipment), if possible.
- Try changing antenna position, particularly if you think you may be near maximum transmitting range.
- Try moving transmitter and receiver closer together. Sending the signal through certain materials, such as glass, tile, and metal can decrease the effective transmitting distance of the system.

Sound From One Speaker Only

- Check left/right balance control on your PC's volume control.
- Try fine-tuning the receiver at different transmitter Frequency Control settings.

SPECIFICATIONS & FEATURES

Transmitter

Omnidirectional

Effective transmitting range: Up to 150 feet*.

Channelized Frequencies at 913.5 MHz and 914.5 MHz

1/8" (3.5mm) Stereo Miniplug Input

UL Listed AC Adapter – 12 VDC, 100 mA

Receiver

Frequency Tuning Control

Signal-To-Noise Ratio: 60 dB

Channel Separation: 30 dB

Maximum Distortion: < 2%

*Range may vary according to environment.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference and 2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

Features and specifications subject to change without notice.

WARRANTY

JENSEN® (LOGO)

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