



COMspkr



WEST MOUNTAIN
RADIO 

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Thank you for choosing the West Mountain Radio COMspkr. Unlike most amplified computer speakers, these speakers are especially designed to function properly in the presence of strong electromagnetic fields. This means that they should function without distortion or spurious sound when operated near a radio frequency transmitter.

The speakers are amplified and may be used with the line level (approximately 0.5 VRMS) output of almost any audio device. This includes line or speaker outputs of any computer or radio transceiver. The speakers may also be used with the headphone output of most portable consumer audio devices.

Excellent frequency response provides high intelligibility with voice communications and makes the speakers superb for use with music.

Installation

The placement of the COMspkr will greatly affect the acoustical performance. Place the speakers so that both are facing the direction in which the user will be sitting or standing. It is recommended for the best stereo effect that the speakers be approximately 70% of the distance apart that they are the distance facing the user. If locating the speakers to a user's rear or behind other equipment will muffle the sound and distort the sound quality.

The Right-hand speaker (for proper stereo) is the one with the power button and volume wheel on the top. Locate this speaker to the right side.

Connect the stereo mini plug into the line, headphone or speaker output of the computer, radio, or other audio devices. Connect the USB power connector to the computer or USB charger adapter.

Turn on the COMspkr by pushing in the power switch and confirm that the power LED lights.

Set the volume wheel approximately the mid-range and adjust the audio source for a comfortable volume level. Going forward, the COMspkr volume control may be used to set the volume instead of the source volume adjustment.

Radio Frequency Interference Considerations

All electronic circuits are susceptible to EMI (electromagnetic) and RFI (radio frequency) interference. However, it is a matter of to the degree, that such interference may be suppressed. In severe cases, no electronic circuit can be expected to work properly. The COMspkr system is inexpensive, but has been designed to provide more than adequate rejection from interference when operated near any radio frequency transmitter.

With any electronic equipment, it is good practice to coil any excess wiring. This makes the wire less like a good antenna and the coil of wire becomes a choke. It is also good practice to keep wires from running parallel to a wire that has RF energy on it. If two wires must be near each other, it is best to have them cross at right angles. All of this is true for any electronic installations.

It is recommended to use a resonant antenna that does not radiate from the feed line to insure proper operation of electronic equipment in a radio station. If these speakers are used near a feed line that is radiating, they may not work properly. If a non-resonant antenna that is matched with a tuner must be used, locate these speakers and the wires as far as possible from the feed line and antenna tuner. Be sure to properly tune the tuner and have the station properly grounded to a single point ground. If the station ground and AC wiring ground are in different locations, and both connected to the transmitter, there will be a dangerous ground loop that may also cause EMI problems.

Additional information, suggestions, support:
www.westmountainradio.com/support

Specifications

Dimension	3.0 x 6.5 x 3.5 in.
Power Requirements	USB 5V
Signal-to-Noise Ratio	< 65 dB
Frequency Response	100Hz - 20KHz

COMspkr Warranty

COMspkr is warranted against failure due to defects in workmanship or materials for one year after the date of purchase from West Mountain Radio. Warranty does not cover damage caused by abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation, alteration, lightning, or other incidence of excessive voltage or current. If failure occurs within this period, return the *COMspkr* or accessory to West Mountain Radio at your shipping expense. The device or accessory will be repaired or replaced, at our option, without charge, and returned to you at our shipping expense. Repaired or replaced items are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the *COMspkr* or accessory made after the expiration of the warranty period.

West Mountain Radio shall have no liability or responsibility to customer or any other person or entity with respect to any liability, loss, or damage caused directly or indirectly by use or performance of the products or arising out of any breach of this warranty, including, but not limited to, any damages resulting from inconvenience, loss of time, data, property, revenue, or profit, or any indirect, special incidental, or consequential damages, even if West Mountain Radio has been advised of such damages.

Except as provided herein, West Mountain Radio makes no express warranties and any implied warranties, including fitness for a particular purpose, are limited in duration to the stated duration provided herein.



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