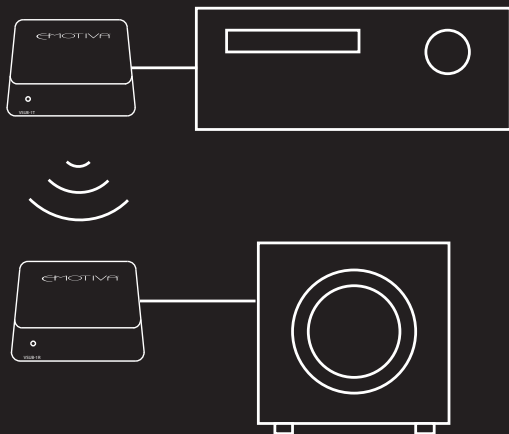


EMOTIVA®



VSUB-1

Digital Wireless Subwoofer Audio System

User Manual

Emotiva VSUB-1

The Emotiva VSUB-1 is used to connect from one to four subwoofers to the subwoofer output of a home theater receiver or processor. To use the VSUB-1 wireless subwoofer system, a VSUB-1T transmitter is connected to the subwoofer output on your processor or AVR, and a VSUB-1R receiver is connected to the input on each of your subwoofers. The wireless links established by the VSUB-1 then act just like audio cables, connecting all of your subwoofers to the subwoofer output of your processor or AVR.

A single pair, consisting of a VSUB-1T, and a VSUB-1R, can be used to connect a single subwoofer. Additional VSUB-1R receivers can then be added to connect more subwoofers to the same output (up to four total). If you have stereo or multiple subwoofer outputs, you may connect a separate VSUB-1T transmitter to each.

Features and Specifications:

Line Input (transmitter): Analog, unbalanced

Line Output (receiver): Analog, unbalanced

Maximum signal level: 2 VRMS

Frequency response: From 10 hz to 2 kHz +0/-2 dB

S/N ratio: 98 dB (@1 kHz, A weighted)

THD (1 kHz): < 0.25%

Audio channels: 1

Audio fan-out: Up to four VSUB-1R receivers can be paired with each VSUB-1T transmitter.

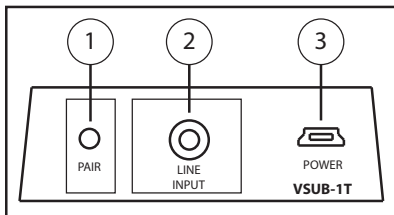
Method of transmission: Proprietary wireless link

Range: Up to 50 feet (obstructions will reduce range)

Power requirements: VSUB units require 5 VDC mini-USB (Universal 100 - 250 VAC AC adapters provided)

Indicators: Power LED (green)

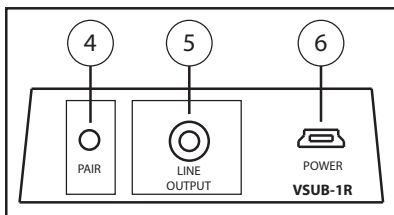
VSUB-1 Transmitter and Receiver



1. Pairing Button (transmitter) - Press this button to pair your VSUB-1T transmitter to a VSUB-1R receiver (see Pairing).

2. Line Input (transmitter) - Connect this to the subwoofer output on your processor or AVR.

3. Power Input (transmitter) - Connect this to the AC adapter that came with your VSUB-1T.

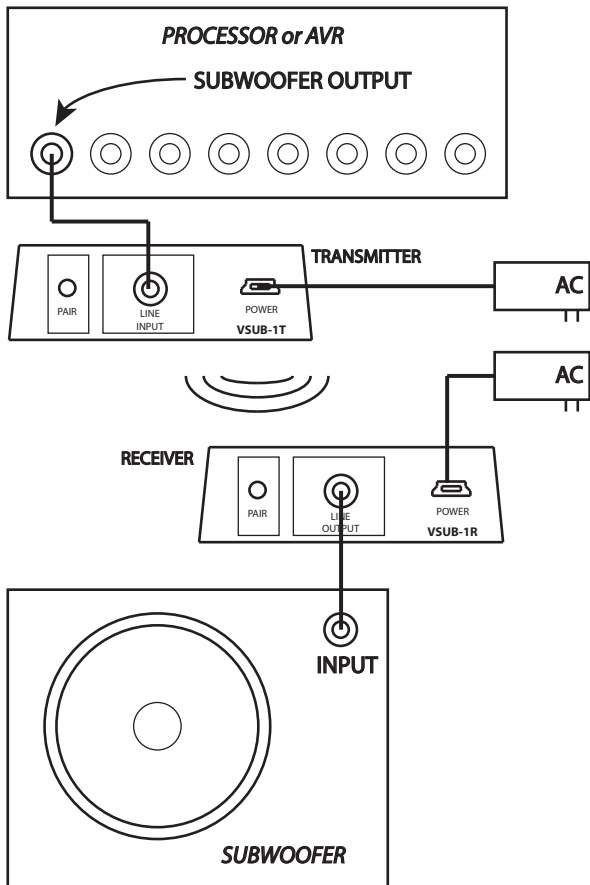


4. Pairing Button (receiver) - Press this button to pair your VSUB-1R receiver to a VSUB-1R transmitter.

5. Line Output (receiver) - Connect this to the input on your subwoofer.

6. Power Input (receiver) - Connect this to the AC adapter that came with your VSUB-1R.

VSUB-1 Connections



Setting Up The VSUB-1

Connections - Connect the Line Input on the VSUB-1T to the unbalanced subwoofer output on your processor or AVR. Connect the Line Output on the VSUB-1R to the unbalanced input on your subwoofer. (If your processor or subwoofer doesn't have an unbalanced connection, you may use a passive balanced-to-unbalanced adapter with either.)

Pairing - Before using the VSUB-1 system, you must pair your receiver with your transmitter. With both units powered on, press and hold the Pairing button on the VSUB-1T transmitter for several seconds until the Power LED starts blinking. Now press and hold the Pairing button on the VSUB-1R receiver, until the Power LED blinks off and then on again, and you hear a loud beep tone from the sub.

If you have other VSUB-1R receivers you wish to pair with the same VSUB-1T transmitter, simply repeat the pairing process with each. Units remain paired when powered off.

Configuration - There is no configuration required for either the VSUB-1T or VSUB-1R.

- If your processor or AVR has room correction or calibration software, it should be run or adjusted after setting up and connecting the VSUB-1.
- If your subwoofer has a Volume or Gain control, it should be set so that your subwoofer reaches full output with an input level of between 1V and 2 V RMS.
- If you notice your subwoofer clipping on passages with very loud bass, turn the Volume or Gain control on your subwoofer up, and lower the subwoofer output level on your processor or AVR.

FCC warning:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.*
- Increase the separation between the equipment and receiver.*
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- Consult the dealer or an experienced radio/TV technician for help.*

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



Emotiva Audio Corporation
135 Southeast Parkway Court
Franklin, TN 37064
www.emotiva.com