

# Thanks

for choosing the SoundEffects **Music2** system for your home. SoundEffects products are designed to fit the way you live. Combine them any way you like to achieve the sound effects you envision. This guide will help you get started.

For specific questions not answered here, refer to guides accompanying related SoundEffects products, contact your JBL SoundEffects dealer or, in the USA call us at 800-336-4JBL.

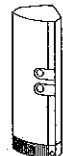
## First.

Check the contents to see that everything that should be in the box is in the box.

Two Sat2 satellite speakers with brackets and removable grilles



One BassWave subwoofer with integrated 100W amplifier



Accompanying BassWave base with cable management spool and four metal screws



WireManager™



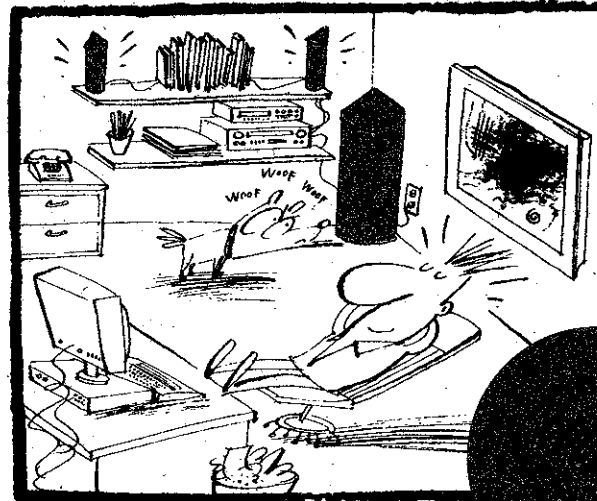
Speaker wire (18 gauge)



Accessories

- Six metal screws
- Six plastic anchors
- Eight adhesive-backed rubber feet

Warranty Terms



Two Sat2 satellite speakers and one BassWave subwoofer

## BassWave special features.

The BassWave integrated amplifier has several features with which you should be familiar.

**Auto-on/off.** The integrated amplifier in the BassWave has no on/off button. Once it is plugged into an AC outlet, it will turn on automatically whenever it receives a signal. An LED will light to indicate a signal is being received.

**Volume control.** A volume adjustment on the front of the BassWave amplifier allows you to fine-tune bass volume relative to the overall volume of the system, increasing placement flexibility.

**"Magic" compatible.** Several features on the BassWave amplifier anticipate its use with a Take1 RF Receiver as part of a SoundEffects "magic" wireless audio system. An 18VDC output terminal provides a convenient power source for an

adjacent RF Receiver. A "Mode Selector" button can configure the amplifier to receive either "speaker input" from an amplifier/receiver (in wired systems) or "line input" from an RF Receiver (in wireless systems).

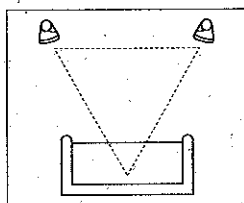
Guides accompanying each SoundEffects "magic" product provide much more detail about adding wireless solutions to your SoundEffects home media system.

## Next.

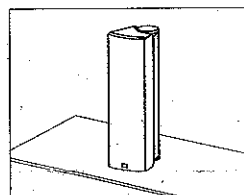
Determine where to position the speakers in the room.

While SoundEffects loudspeakers sound good anywhere, the positions suggested here will enhance your listening enjoyment.

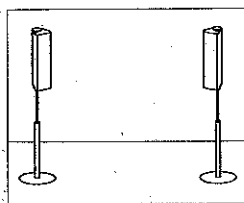
### Sat2 placement.



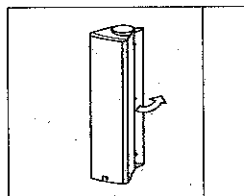
For listening primarily to music, the distance between the two stereo speakers and between each of those speakers and the listeners should be the same. Ideally, stereo speakers should be positioned at ear-level with seated listeners.



**On shelves.** Vertically or horizontally, with rubber feet attached.

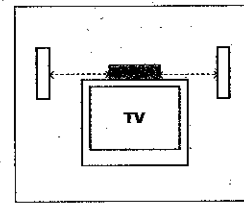


**On stands.** Vertically, on SoundEffects floor-stands (sold separately).



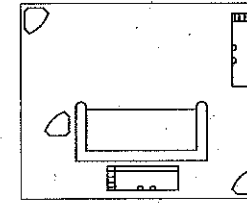
**On the wall (or ceiling).** Vertically or horizontally, with the attached brackets and mounting hardware.

### BassWave placement.



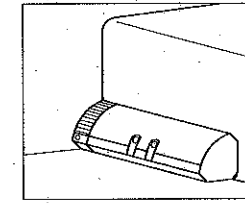
**Plan ahead.** If you ultimately intend to use the Sat2s in a home theater application, they should be equidistant from the center of the TV screen and at the same height as the center channel speaker.

**All SoundEffects speakers are video-shielded, so that they can be placed directly alongside the TV screen without video interference.**

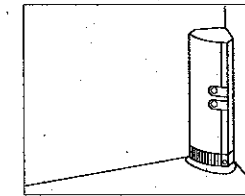


BassWave subwoofers can be positioned anywhere in the room (within reach of an AC electrical outlet) because their sound is non-directional.

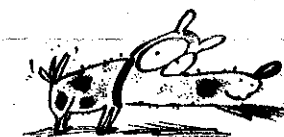
Positioning the BassWave in a corner, a placement option made possible by its versatile corner shape, actually increases bass.



**Without the base.** Horizontally along a baseboard, alongside furnishings, etc.



**With the base.** Vertically against a wall, in a corner, or freestanding in the room.



# Then.

## Connect and install your Music2 speakers.

Before attaching any wires always make sure that your receiver or other power source is turned off.

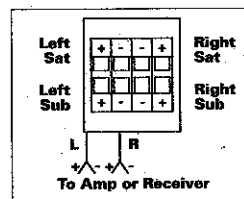
### Connection tips.

Speaker wire has been provided for your convenience. Depending on where you plan to put the speakers, there should be plenty of wire to connect all of the components. If necessary, additional wire is available from your dealer or most audio, electronics or department stores.

Carefully plan your wire paths, allowing plenty of extra wire to hide in corners, along baseboards, etc. A recessed wire channel on the Sat2 and a covered wire channel on the BassWave allow you to easily conceal wires. Wait to conceal wires until after you test the system.

Cut cable to match your wire paths.

### WireManager connections.



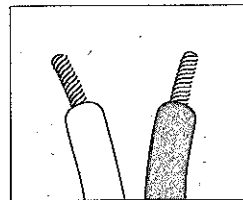
The WireManager simplifies connections between your satellites, your BassWave and your amplifier/receiver. It provides attached wires that connect to the left front and right front stereo terminals on your receiver/amplifier. That single connection then provides signals to separate terminals on the WireManager for left and right satellite speakers and the BassWave.

Some receivers/amplifiers have a separate connection for a sub-woofer. DO NOT connect the WireManager or BassWave to these terminals.

If connecting the WireManager to one BassWave, connect one cable (a positive and negative wire) from the "left sub" terminal and another from the "right sub" terminal on the WireManager to the corresponding speaker terminals on the BassWave.

If using two BassWaves, connect a cable from the "left sub" terminal on the WireManager to the "left" terminal on one BassWave and one from the "right sub" terminal on the WireManager to the "right" terminal on the other BassWave.

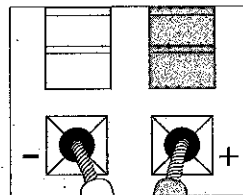
### Speaker wire preparation.



Separate and strip the ends of the speaker wire as shown.

Speakers and electronic terminals have corresponding (+) and (-) terminals. It is important to connect both speakers identically: (+) red speaker to (+) red amplifier and (-) black speaker to (-) black amplifier. Wiring "out of phase" results in thin sound, weak bass and poor stereo effect.

The two wires in any speaker cable are typically differentiated in one of the following ways: one wire is copper and the other silver, or one has a raised rib or a thin colored line on its insulated cover and the other doesn't. Either wire can attach to (+) or (-) as long as all components are connected identically.

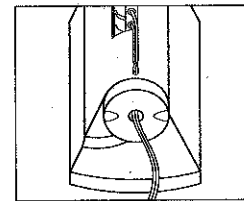


Press down on the terminal button and insert one of the stripped wire ends; then release the button to secure the wire in place.

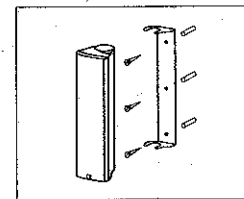
Assure that no strands from either wire cross between terminals and touch the opposite connection. The "short circuit" that results may damage components in your system.

Be careful not to insert the stripped end of the wire too far into the terminal, which may cause you to connect to insulation instead of wire.

### Sat2 connection and installation.

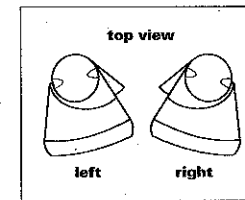


For Sat2s, thread the speaker wire through the hole on either end of the speaker, then feed it through the recessed wire channel.

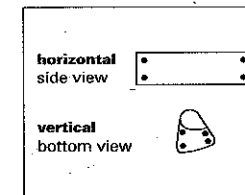


Mounting the brackets. If mounting your Sat2s on the wall or ceiling, use the following instructions to install the brackets as shown.

Notice to Purchaser. JBL assumes no responsibility or liability for injuries or property damage—direct, indirect, or consequential—resulting from the improper installation of SoundEffects loudspeakers.



- 1 Identify left and right speakers. (Recessed bracket moldings on speaker cabinets should face in; semicircular notch on bracket should face out.)
- 2 Loosen knobs and remove bracket.
- 3 Using the bracket as a guide, mark anchor points on the wall.
- 4 Carefully drill 3/16" holes for the plastic anchors.
- 5 Gently tap plastic anchors into holes.
- 6 Pass screws through bracket holes and tighten.
- 7 Return speakers to brackets, angle them toward your primary listening position, and tighten knobs.



Positioning rubber feet. If mounting Sat2s on a shelf, attach the rubber feet as shown.

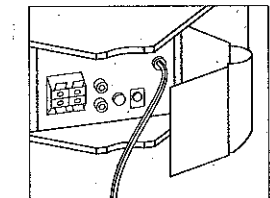
Rotating the logo on the grille. Depending on the position of your Sat2s, you may wish to rotate the logo to maintain an upright orientation.

- 1 Remove grille from speaker.
- 2 Press in on pin on back of logo while rotating face of logo to upright orientation relative to intended speaker placement.
- 3 Release pin. Spring-loaded logo will lock in place.
- 4 Replace grille.

### BassWave connection and installation.

Attaching the base. If the placement option you have chosen for your BassWave requires using the base, attach it according to the following instructions.

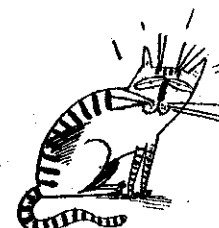
- 1 Carefully stand the BassWave upside down on a soft surface.
- 2 Align holes on the base with those on the speaker.
- 3 Use the screws provided to affix the base to the cabinet.
- 4 Carefully turn the speaker upright.



The small door at the base of the BassWave provides access to all speaker and amplifier connections and conceals them once they are connected.

The fit on the door is intentionally snug to prevent vibration. To open it, slip the edge of a coin or a screwdriver in the seam nearest the volume control and lift it open. To close, press the door firmly along the edge of the seam.

Caution: To avoid cutting or otherwise damaging the AC power cord or other speaker wires, be sure it is aligned with the opening provided before closing the door.



# Finally.

For music applications, take a "test drive."

1 If you are connected to the stereo source via speaker wire make sure the Mode Selector button on the back is set to "speaker mode" (i.e., the button is up). If you are receiving the stereo signal from an RF Receiver (via the RCA inputs), the Mode Selector button should be down.

2 With the BassWave amplifier turned all the way down (counter-clockwise), plug the amplifier into a standard wall socket.

3 Confirm that the receiver/amplifier powering the stereo channel is turned off and its volume is turned

all the way down. Next, center its balance control. If it has an A/B speaker switch, set it to match the speaker input terminals to which the WireManager is connected.

4 Now, turn on your receiver/amplifier and CD player or other music source (if it has a power switch, turn it on too) and play a disc.

5 Turn up the volume control gently on the receiver/amplifier until you hear sound from the left and right stereo speakers.

6 Turn up the volume control (clockwise) about halfway on the BassWave amplifier until you hear sound from it as well.

7 Turn up the bass control on your amplifier/receiver halfway, then use the volume control on the BassWave amplifier to adjust the bass volume.

Where you place the BassWave in your room will affect the volume setting you select. If you can position the BassWave in a corner you will not need to turn the volume up as far to achieve the desired bass impact.

If you are installing more than one BassWave, use the volume control on each BassWave to fine-tune the overall bass impact of the room.

8 Rotate the balance control all the way to the left. Sound should come only from the left Sat2 speaker. If sound comes from the right speaker with the balance control left, the speaker wires connecting the WireManager to the speaker terminals on the back of the receiver/amplifier are reversed. Turn all components off, switch both sets of speaker wires and return to step 3.

For more ideas about uses for these and other SoundEffects products in your home, see the SoundEffects brochure. Need an additional copy? Call JBL.

## Troubleshooting.

**No sound at all from any of the speakers.**

• The tape monitor button on your receiver/amplifier may be pushed in, preventing use of the CD player, FM tuner or other input stereo music source. Check button position.

• If your receiver/amplifier has both "A" and "B" sets of speaker outputs, the wrong set of speakers may be selected. Select the other set or switch the wires to the preferred set.

• The sound source (CD player, cassette deck, videocassette, laserdisc, etc.) may not be turned "on," not activated or not selected on the front panel of the receiver/amplifier. Check settings.

**No sound from the left speakers or no sound from the right speakers.**

• The balance control may be turned all the way to the left or right. Check balance.

• One of the connections between the sound source and the receiver/amplifier is faulty or has become disconnected. Check connections.

• Wire to the speakers has become disconnected at the speaker, the WireManager or the receiver/amplifier. Check connections.

**Speakers play at low volumes and shut off as volume is increased or sound is intermittent.**

• There may be a short circuit in one of the connections. Check connections.

**Bass is very weak.**

• The BassWave amplifier may not be plugged into a live outlet.

• Check the volume control on the front of the BassWave amplifier. The green LED on the face of the amplifier should indicate the power is "on" when it is receiving a signal and is plugged in.

• The polarity (+ and -) of one speaker may be reversed. Check the phasing of all subwoofer and satellite connections.

• The subwoofer may not be connected. Check connections.

SoundEffects products were made for each other. No matter what SoundEffects components you start with, it's easy to add complementary products that will increase the performance and value of your home audio system. SoundEffects **Movies2, Magic2, Take1, Center** and **BassWave** will help you get even more value from your Music2 system. For information about these and other SoundEffects products, visit your JBL SoundEffects dealer or, in the USA call 800-336-4JBL.

### Specifications

Sat2

**Recommended Power**  
10 - 120 watts

**Impedance** 8 ohms  
(nominal)

**Sensitivity**  
90 dB @ 1W / 1m (in-room)

**Frequency Response**  
120 Hz - 20 kHz (± 3 dB)

BassWave

**Amplifier Power**  
100 watts (continuous)

**Input Impedance**  
48 kilo-ohms (line) /  
1 kilo-ohm (speaker)

**Sensitivity** user-adjustable

**Frequency Response**  
40 Hz - 120 Hz (± 3dB)

### Dimensions

Sat2

**H x W x D**  
Inches 14 x 4 3/8 x 6  
Millimeters 356 x 111 x 152  
Weight 3.5 lbs. / 1.6 kg.

BassWave

**H x W x D**  
Inches 30 x 10 1/4 x 8 1/2  
Millimeters 762 x 260 x 216  
Weight 27 lbs. / 12 kg.

Refinements may be made on occasion to existing products without notice, but will always meet or exceed original specifications unless otherwise stated.

### Features

Sat2

- 3/4" titanium composite dome high frequency drivers
- Adjustable, removable wall brackets
- Video-shielded
- Diffraction-limiting foam satellite baffles
- Reversible logo
- Recessed wire channels

BassWave

- Triple chamber bandpass subwoofers
- Video-shielded
- High-efficiency corner-loading design
- Integrated 100W amplifier
- Detachable base with concealed wire spool
- Recessed wire channels and concealed amplifier connectors and wire terminals
- Finished on all sides

**CAUTION**  
Risk of electric shock  
Do not open

**CAUTION**  
To reduce the risk of electric shock do not remove amplifier back.  
No user serviceable parts inside.  
Refer servicing to qualified service personnel.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

**CAUTION:** To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blade can be fully inserted to prevent blade exposure.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.