



**For Powerful Bass in Home
Theater or Music Systems**



10" & 12" POWERED SUBWOOFERS

LSS-10 LSS-12

LSS-10 LSS-12

10" & 12" POWERED SUBWOOFERS

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IMPORTANT SAFETY INSTRUCTIONS



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.

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

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

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in according with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or ground plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids shall be placed on the apparatus.



INSTALLATION

Signal Connectors and Power Controls

The LSS-10 and LSS-12's signal connectors and power controls are located on the unit's rear panel, as shown in **Figure 1**. They function as follows:

NOTE: See Applications starting on page 7 for detailed wiring connections for your application.

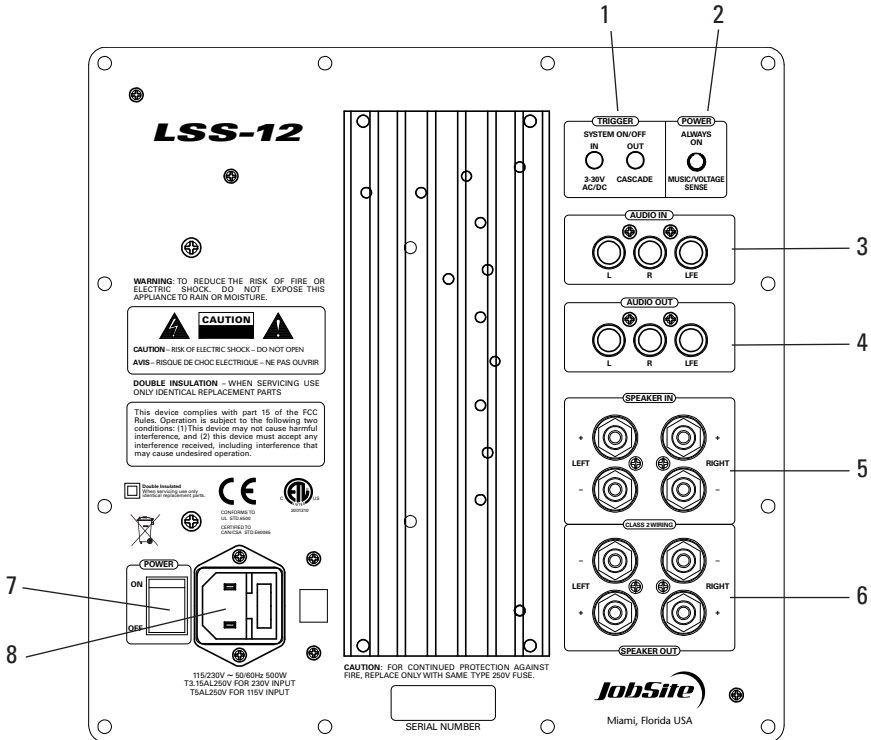


Figure 1. The LSS-12's rear panel contains the subwoofer's signal connectors and power controls. (LSS-12 Shown - LSS-10 similar)

1. **TRIGGER:** For external power triggering, use a mini (3.5 mm) mono plug to connect the IN jack to a power on/off trigger signal from a home theater surround sound processor or other voltage. Source power on is 3 to 30 Vdc (or Vac). Power off is 0 Vdc (or Vac). Use the **OUT** jack to pass the **TRIGGER** signal (at the same voltage level of the trigger input) to another LSS-10 and LSS-12 or other equipment in your system. **THIS JACK SHOULD NOT BE USED TO POWER OTHER EQUIPMENT.**

NOTE: For a system not equipped with a power trigger output, consider using a 12-volt power supply as a trigger signal that is activated via a switched AC outlet on the receiver.

2. (Auto) **POWER** Switch: Use the **ALWAYS ON** mode to leave the LSS-10 and LSS-12 always on. Use the **MUSIC/VOLTAGE SENSE** mode to automatically power on the LSS-10 and LSS-12 when audio signals are present or when system trigger is used. When signals are absent, the LSS-10 and LSS-12 will enter the standby mode.

NOTE: The ALWAYS ON and MUSIC/VOLTAGE SENSE settings are only active after (Master) POWER is set to ON (see below).

3. **AUDIO IN** jacks: Use these gold-plated, line-level RCA input jacks to connect line-level stereo or **LFE** audio signals from a home theater surround sound processor or receiver. The **LFE** (Low Frequency Effects) input is not affected by the **LOW PASS** Frequency Control. The **PHASE** Control and **LEVEL** Control continue to function as normally expected.
4. **AUDIO OUT** jacks: Use these gold-plated, line-level RCA output jacks to connect line-level stereo or **LFE** audio signals to drive another LSS-10 or LSS-12 or loop your line level audio signal back to your surround sound processor or receiver. (The **L/R** output signals are routed through a fixed **HIGH-PASS** (80 Hz) filter).
5. **SPEAKER IN** Binding Posts: As an alternative to the **AUDIO IN** jacks, use the loudspeaker-level, gold-plated, five-way binding posts to connect loudspeaker-level, stereo audio signals from a home theater surround sound processor or receiver. For additional connection details, see **Finishing the Installation** on page 5.
6. **SPEAKER OUT** Binding Posts: As an alternative to the **AUDIO OUT** jacks, use the loudspeaker-level, gold-plated, five-way binding posts to connect loudspeaker-level, stereo audio signals to drive your front **L/R** satellite loudspeakers.
7. (Master) **POWER** Switch: Use this control to power on/off the LSS-10 and LSS-12.
8. Detachable IEC Power Cord and built-in fuse. If needed, replace the fuse with same type, as follows:
 - For 115/120 Vac @ 60 Hz, use a T5AL, 250V fast-blow fuse.
 - For 230/240 Vac @ 50 Hz, use a T3.15AL, 250V fast-blow fuse.

CONTROLS AND CONNECTORS

Operation Controls

The LSS-10 and LSS-12's operation controls are located on the unit's front panel, as shown in **Figure 2**. They function as follows:

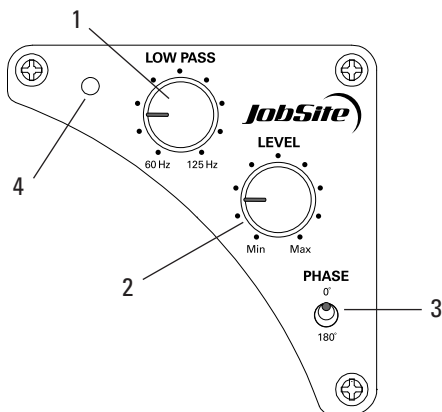


Figure 2. The LSS-10 and LSS-12's front panel contains the subwoofer's operation controls.

1. **LOW PASS** Frequency Control: Use this control to set the upper frequency level that the subwoofer will reproduce. It can be between 60 to 125 Hz. Also see **SETTING UP THE LSS-10 AND LSS-12** on page 5.
2. **LEVEL** Control: Use this control to adjust the subwoofer output level as desired.
3. **PHASE** Control: Use this control to set the subwoofer's phase response for either 0 or 180°. Also see **SETTING UP THE LSS-10 AND LSS-12** on page 5.
4. **MODE** indicator shows current status of the LSS-10 and LSS-12: Green is ON; Red is STANDBY.

FINISHING THE INSTALLATION

Adjusting the Feet

The LSS-10 and LSS-12 are equipped with four adjustable spiked feet, pre-installed with large, slip-on rubber covers. At the final placement location, adjust the feet/spikes as follows:

- On hard floors (e.g., wood, tile, etc.), check the LSS-10 and LSS-12's stability and, if needed, adjust the rubber feet one at a time until the cabinet is level.
- On carpeted floors, tilt the LSS-10 and LSS-12 up and remove each rubber cover. Check the LSS-10 and LSS-12's stability and, if needed, adjust the spikes one at a time until the cabinet is level.

Connecting the LSS-10 and LSS-12

Connect the LSS-10 and LSS-12 according to your application (see **APPLICATIONS** on page 7). Use high-quality RCA cables for all line-level connections (see **CONTROLS AND CONNECTORS** on page 4). **For applications with loudspeaker-level connections, perform the following steps:**

1. At each LSS-10 and LSS-12 loudspeaker-level connection, separate the loudspeaker wire so that at least 2 inches of each conductor are free. Strip away 1/4 inch of insulation from each loudspeaker wire. Using correct polarity, connect the appropriate conductor to each five-way, speaker level, input binding post.

NOTE: Observe correct polarity: Positive (+) goes to the RED post and negative (-) goes to the BLACK post.

2. Connect the other end of the loudspeaker wires to the home theater receiver (or amplifier) and satellite loudspeakers in the same way.
3. Using the five-way binding post of the LSS-10 and LSS-12, connect the loudspeaker outputs to the appropriate satellite loudspeaker in the same way.
4. Turn on the home theater receiver and calibrate all loudspeakers in the system according to the receiver (processor) manufacturer's instructions.

Setting Up the LSS-10 and LSS-12

After making all the connections and calibrating the loudspeakers, set up the LSS-10 and LSS-12 by performing the following steps (see **Controls and Connectors** on page 4 for information on control operation):

1. On the rear panel, set the (Auto) **POWER** switch to **ALWAYS ON** or **MUSIC/VOLTAGE SENSE**. Depending on your application.
2. On the front panel, set the following controls (and switches) to their initial positions:
 - **LEVEL** control = 5
 - **LOW PASS FREQUENCY** control = 120 Hz
 - **PHASE** control = 0°
3. While playing a favorite music track, adjust your system's volume control to a comfortable level and listen to the bass level at your favorite listening position (e.g., couch).

4. Continue listening to your favorite music and movie sources. If you want a more solid-sounding bass (with less overtones), try moving the **LOW PASS FREQUENCY** control toward the lower frequencies. Experiment with different frequency settings until you find one that sounds best. If needed, readjust the **LEVEL** control (see step 3).
5. Continue listening to your favorite music and movie sources using the appropriate setting for **LEVEL SETUP**. Try experimenting with the **PHASE** control until you find its optimum setting. Depending on the LSS-10 and LSS-12 placement, the bass should sound more pronounced when the phase has been optimized.

Checking Phase on the Satellite Loudspeakers

Loudspeaker wire has two conductors. On applications with satellite loudspeakers, one conductor is attached to a component's negative (–) terminal, while the other is attached to a component's positive (+) terminal. Usually, the wire is marked for your convenience, but the marking can be done in the following different ways:

- Stripe on one wire
- Ribbed area you can feel on one conductor
- Different colors of metal wire on each conductor
- Fabric strand or string wound into one of the conductors

Of course, there are some wires that appear completely identical. If wired incorrectly, one satellite loudspeaker will be playing "out-of-phase" with the other loudspeaker.

A pair of out-of-phase loudspeakers works against each other, and the sound of the two playing together will be lacking in bass and sound "phasey." If you suspect the sound is not right, and you cannot see any markings on the wire, try this simple test:

1. Stand halfway between the satellite loudspeakers.
2. Play some music with the amplifier or receiver set to Mono.
3. Listen to the richness of the bass and the loudness of the sound.
4. Turn off the amplifier and reverse the connections on the LSS-10 and LSS-12 **SPEAKER OUT** binding post.
5. Repeat the listening test with the same volume control setting. When the sound has a richer bass and is slightly louder, the satellite loudspeakers are working together or "in-phase."

Installing and Removing the Grille

- To install the grille, start with the top two grille posts and gently press the grille frame in at each of the five recessed holes. When properly installed, the grille will be approximately 2 to 3 mm away from the cabinet along the sides.
- To remove the grille, start with the bottom grille posts and gently pull the grille frame away from the LSS-10 and LSS-12's edge at each of the five recessed holes. Store the grille in a safe place for future use.

Cleaning

Use a dampened soft cloth or paper towel to clean the cabinet and grille.

APPLICATIONS

The JobSite LSS-10 and LSS-12 Subwoofers are very flexible and can be configured for use in various applications with associated external audio components, as shown in **Figure 3** through **5**. For other LSS-10 and LSS-12 applications, consult your local JobSite dealer for help in configuring your home theater system.

LSS-12 Back

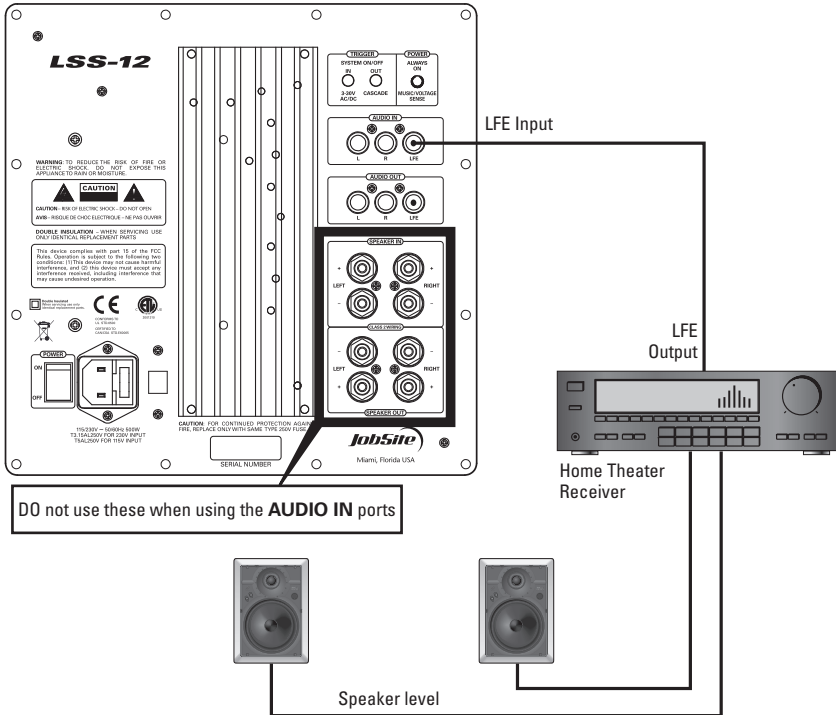


Figure 3. Line level connections

Two LSS-10 and LSS-12's with Satellite Loudspeaker System

NOTE: ADJUST SETTING ON BOTH LSS-10 AND LSS-12 SUBWOOFER TO BE THE SAME

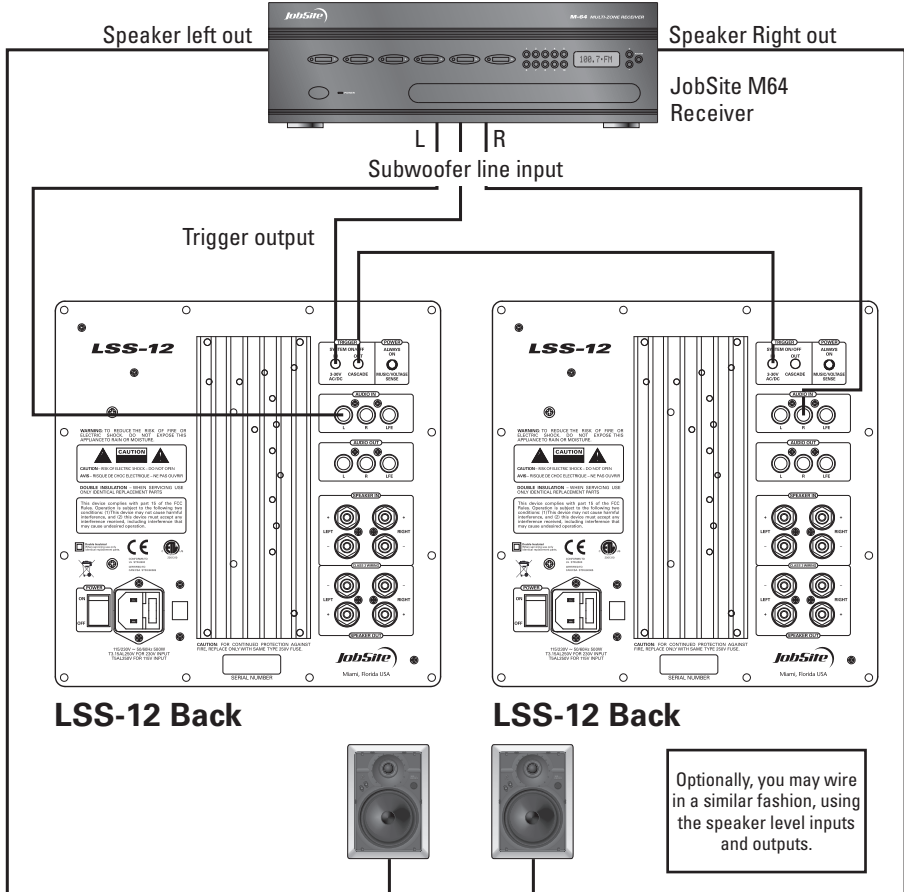


Figure 4. Stereo/dual subwoofer application

LSS-10 and LSS-12 and Speaker-Level Connection to Satellite Loudspeakers

LSS-12 Back - LSS-10 similar

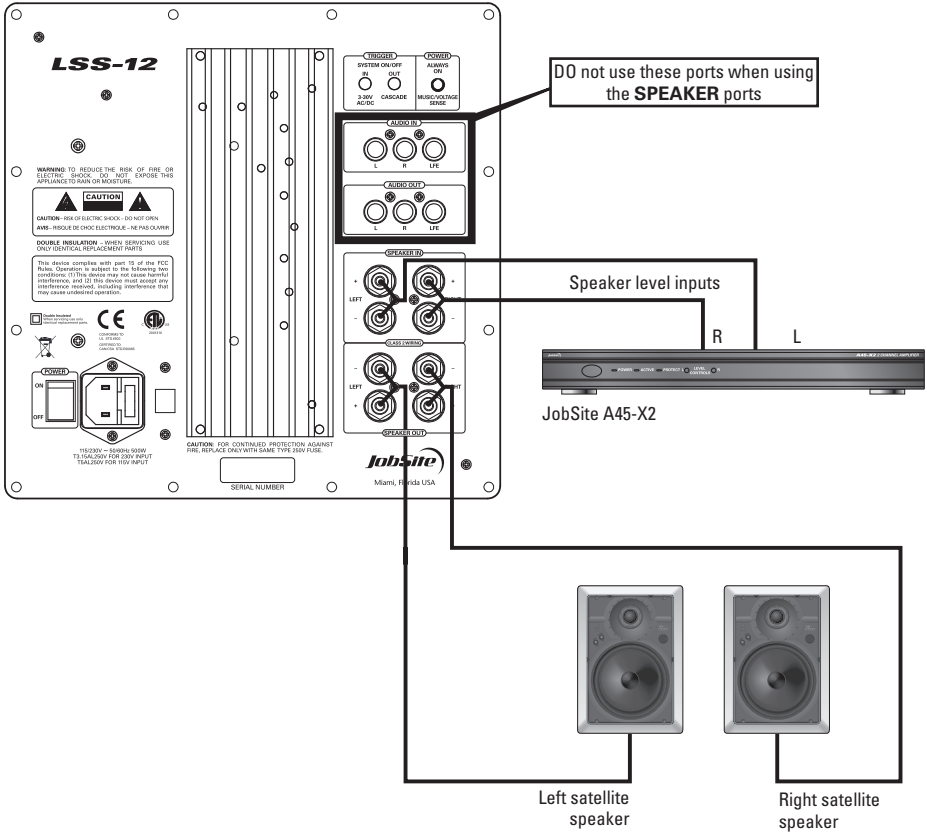


Figure 5. Speaker level connections

SPECIFICATIONS:

Driver Complement

LSS-10: One 10" Long-Throw Front-Firing Injection Molded Polypropylene Woofer

LSS-12: One 12" Long-Throw Front-Firing Injection Molded Polypropylene Woofer

Amplifier Power

LSS-10: 90 Watts (rms), 125 Watts (peak)

LSS-12: 190 Watts (rms), 260 Watts (peak)

Frequency Response

LSS-10: 30 to 160 Hz, +/- 3 dB

LSS-12: 27 to 160 Hz, +/- 3 dB

Power Requirements

LSS-10 and LSS-12: 120 Vac; 230-240 Vac, 50/60Hz

Overall Dimensions (with grille)

LSS-10: 14.25" W x 15.25" H x 17.25" D

LSS-12: 14.25" W x 19" H x 19" D

Weight

LSS-10: 47 lbs, (21.3 kg) shipping weight

LSS-12: 57 lbs, (26 kg) shipping weight

Certification

- Meets FCC Part 15 and ICES-003, Class B for USA and Canada
- CSA Listed and tested under UL/EN60065 standard
- CE compliant for the EU
- C-Tick compliant for Australia and New Zealand

FCC INSTRUCTIONS TO THE USER

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 audio/video installer for help.

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

LIMITED WARRANTY

JobSite Systems ("JOBSITE"), a Niles Audio Corporation company, warrants its passive products (those not requiring AC or battery power) to the original purchaser to be free of manufacturing defects in material and workmanship for a period of ten years from date of purchase.

JOBSITE warrants its passive loudspeaker products (those not requiring AC or battery power) to the original purchaser to be free of manufacturing defects in material and workmanship for a period of five years from date of purchase.

JOBSITE warrants its indoor/outdoor loudspeaker products to the original purchaser to be free of manufacturing defects in material and workmanship for a period of two years from date of purchase.

JOBSITE warrants its all weather rock loudspeaker products to the original purchaser to be free of manufacturing defects in material and workmanship for a period of five years from date of purchase.

JOBSITE warrants its active products (those requiring AC or battery power) to the original purchaser to be free of manufacturing defects in material and workmanship for a period of two years from date of purchase.

This Warranty is subject to the following additional conditions and limitations. The Warranty is void and inapplicable if JOBSITE deems that the product has been used or handled other than in accordance with the instructions provided by the manufacturer, including, but not limited to, damage caused by accident, mishandling, improper installation, abuse, negligence, or normal wear and tear, or any defect caused by repair to the product other than by JOBSITE or an authorized JOBSITE wholesale distributor.

To obtain warranty service, you must write to JOBSITE: Include your name, address, telephone number, model number and serial number of your unit, and a brief description of the problem.

A factory Return Authorization Number will be sent to you. **DO NOT RETURN ANY UNIT WITHOUT FIRST RECEIVING WRITTEN AUTHORIZATION AND SHIPPING INSTRUCTIONS FROM JOBSITE.**

If the above conditions are met, the purchaser's sole remedy shall be to return the product to JOBSITE, in which case JOBSITE will repair or replace, at its sole option, the defective product without charge for parts or labor. JOBSITE will return the unit repaired or replaced under warranty by shipping it by its usual shipping method from the factory (only) at its expense within the United States of America. **THERE ARE NO OTHER WARRANTIES, INCLUDING, WITHOUT LIMITATION, EITHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT.**

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER/PURCHASER. JOBSITE SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES EXCEPT TO THE EXTENT PROVIDED (OR PROHIBITED) BY APPLICABLE LAW.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

For the name of the nearest authorized JOBSITE wholesale distributor, contact:

JobSite Systems

12331 S.W. 130 Street, Miami, Florida 33186

WWW.JOBSITESYSTEMS.COM



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