OPERATIONS MANUAL – ST-3000
Professional ABS Molded Loudspeaker

Introduction:

Congratulations on your purchase of the ST-3000 multi-function, engineered and manufactured by BriteLite Enterprises. The ST-3000 includes a high-output compression driver, and 15" woofer that produces an even and smooth studio quality sound in a sound reinforcement speaker. Our design goal was to build a speaker with accurate playback, smooth dispersion of mid and high frequencies, and an ergonomic design for easy transport and setup. The result is a sound reinforcement system dynamic enough to use at home, in the studio, parties or in a home theater.

Features:

- 2-way Active Speaker.
- 15" Long-throw woofer with high- temperature voice coil.
- Ultra-wide, smooth dispersion of high and mid frequencies.
- Mic/Line input and pass-thru connector.
- MP3.
- Bluetooth Stereo Pairing.
- Includes FM Radio w/Antenna.
- Stand/Pole-mountable.
- NFC (Near Field Communication) Pairing.
- USB Charging.

Important Safety Instructions:

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 dry cloth.
7) Do not block any ventilation openings. Install in accordance 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 grounding-type 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 or the third prong are 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 plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the tripod sold with the apparatus.
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.
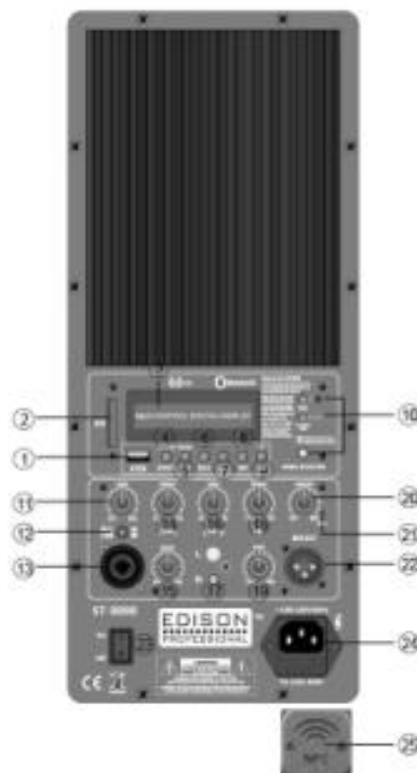
Failing to adhere to the cautions above will void the manufacturer warranty!

OPERATIONS MANUAL – ST-3000
Professional ABS Molded Loudspeaker

Functions:

1. USB Port
2. SD/MMC Port
3. LCD Display
4. Mode Button, to switch between USB/SD or FM function. The default setting of Digital Audio Player is on, press and hold this button for 2-3 seconds to turn it off.
5. Start Playback or to Pause. Folder function: when paused in USB/SD mode, press button for two or three seconds to select a folder, then select the audio file.
6. Recording Function: Press this button first, then press ▶/ıı button start to record and press ▶/ıı button again to stop reord. Press and hold this button for 2-3 seconds to play the recording.
Caution: Only insert USB or SD card when start recording.
7. To select the playback mode: RANDOM to play songs randomly, ALL to repeat all tracks, SINGLE to play song to song.
8. To return to the start of the previous track or to lower the Digital Audio Player's volume. In folder mode, to skip to the previous page.
9. To skip to the beginning of the next track or to raise the Digital Audio Player's volume. In folder mode, to skip to the next page.
10. Bluetooth Stereo Function and Signal Selection.
11. Level control for MIC/LINE Input: Control the signal for MIC/LINE Input when using the MIC/LINE Input.
12. MIC/LINE Switch: Use the MIC position(depressed) when a microphone is connected. Use the LINE position(disengaged) when a line level source such as an audio mixing console, audio playback device or electronic musical instrument is connected.
13. MIC/LINE inputs: these balanced inputs accepts a standard XLR and a 1/4" Jack phone plug. A board range of signals from microphones, audio (CH1) mixing consoles and electronic musical instruments may be connected here. The sensitivity of these inputs are controlled by the MIC/LINE switch.
14. Repeat Control: Repeat the times of ECHO when using the microphone.
15. Echo control: Control the depth of echo.
16. LINE LEVEL: Control the output volume for LINE level inputs.
17. LINE IN: Use RCA connector balanced or unbalanced.
18. TREBLE: Raise or attenuate highs at 12dB @ 12 KHz frequency.
19. BASS: Raise or attenuate lows at 12dB @ 80Hz frequency.
20. Master: Controls the master volume of the unit. By turning the knob counter-clockwise you will be lowering the overall volume of the speaker. By turning the control clockwise you will be increasing the overall volume of the speaker.
21. PEAK: LED illuminates when a clipped signal is present. Reduce volume to avoid distorted sound.
22. MIX OUT: Use this connector to daisy-chain several active speakers together from the same signal source.
23. Power Supply Switch.
24. Power Supply Input Connector: Use with power cord.
25. NFC Function: Use your mobile phone to be closed to this place under Bluetooth mode, the mobile phone and speaker will be connected automatically.

Warning: Make sure speaker is off and all LEVEL controls are down (counterclockwise) before every use.

Connections:

1. Connect the output from your signal source (mixing console, microphone, preamp, or other mic- or line-level source) directly to the INPUT connector on the back of the speaker. It accepts balanced line-level signals from mixers, preamplifiers, CD players, tape decks, etc., and accepts direct connections from dynamic microphones through the MIC input.
2. There is also an XLR Output connector labeled LINE OUT. This allows you to connect more than one ST-3000 to the output of your sound source. Simply plug an XLR cable from the Line Out connector of one speaker to the input connector of another speaker, and so on, daisy-chaining multiple speakers.
3. Turn on your signal source. (Make sure volume is turned down) Turn on ST-3000. Start signal source and adjust volume controls on the signal source and ST-3000 speaker.

OPERATIONS MANUAL – ST-3000
Professional ABS Molded Loudspeaker

Bluetooth Pairing instructions

1. Press and hold Pair button for 3 seconds until speaker beeps and blue pairing indicator flash' s.
2. While pairing light is flashing push quickly once the pairing button again and the ST-3000 name should appear on your pairing device.
3. Click on ST-3000 name on your pairing device to complete pairing to the ST-3000.

Bluetooth Stereo Function Usage:

1. The PAIR button has the function of Pairing and On-Off. Press and hold it for 3 seconds to turn on the Bluetooth.
2. Press and release PAIR button on one speaker only, this ST-3000 will be left channel.
3. Select ST-3000 on your device.
4. Press and release STEREO LINK button on each speaker, both speakers should be ST-3000 and the other ST-3000 will be right channel.
5. Press and hold STEREO LINK button for 3 seconds to exit the connection.
NOTE: Only exit after connected successfully.
6. LEDs flash while pairing or linking. LEDs light solid when paired or linked.
7. To reset pairing and linking, press and hold either button for 2 seconds.
NOTE: Initial pairing or linking may require 1 minute.
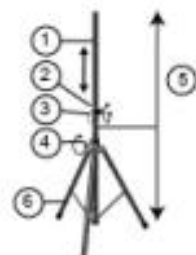
Signal Selection Switch:

Once press this switch, all the line in signals including USB signal will be sent to another speaker via Bluetooth. Here this speaker is the main speaker, and the other speaker is a deputy speaker, the switch on the deputy speaker must be in the released state, the transmission via wireless Bluetooth will be delayed, so this option is only for music, not for the use of a microphone.

The released state of the switch means the signal from Line in or USB is through, that is all the signal to the speaker directly without Bluetooth transmission, which can be used as normal.

Note: the Bluetooth must be connected correctly if you want to have the Line in via Bluetooth transmission, if not, please keep the selection buttons on both speakers in the released state

Stand Instruction

1.Tube Height	2.Locking Pin
3.Securing bolt height tube	4.Retaining bolt tripod foot
5.Stand Height:48" (1.2192M)	6.Three detachable legs

Stand Mounting: the speakers are compatible with standard 1-½" (38mm) stands.

• Speaker stands must only be used on smooth level surfaces.
• Be certain you select a stand rated for *at least* 40lb. Contact your dealer for recommendations.
• Never mount more than one speaker on a stand.
• Add weight (i.e. sandbags) to the base of the stand for added stability. In a windy outdoor location this is vitally important!
• Do not attempt to mount the speaker on a stand without an assistant.
1.Mount the speaker on its stand *prior* to making any electrical connections.
2.Check that the set screw in the speaker base is backed out enough to clear the stand post.
3.After placement, verify that the stand post is fully seated in the speaker base.
4.Tighten the set screw (by hand) to lock the speaker in place. Failure to do so may result in injury or equipment damage.

WARNING! BE CAREFUL OF THE UNFOLDER STAND TO PREVENT THE SERIOUS INJURY IN CASE OF TIP OVER.

Placement Tips

• Avoid placing loudspeakers in the corners of a room. This increases the low-frequency output and can cause the sound to be muddy and indistinct.
• Avoid placing loudspeakers against a wall. This, too, increases the low frequency output, though not as much as corner placement. However, if you do need to reinforce the low frequencies, this is a good way to do it.
• Avoid placing the active speakers directly on a hollow stage floor. A hollow stage can resonate at certain frequencies, causing peaks and dips in the frequency response of the room. It' s better to place the speakers on a sturdy table or tripod stands.
• Position the speakers so the high-frequency drivers are two to four feet above ear level to the audience to maintain high frequency quality.

OPERATIONS MANUAL – ST-3000
Professional ABS Molded Loudspeaker

Troubleshooting

No Power

- First check to make sure the speaker is plugged in to a live AC outlet.
- Make sure the POWER switch is on.

No Sound

- Make sure input LEVEL control turned up.
- Make sure signal source is working and the connecting cables are in good shape and securely connected at both ends. Make sure the output volume control on the mixing console is turned up.
- Make sure the preamp or mixer does not have a Mute button engaged.

Bad Sound – Noise - Humming

- If the sound is loud and distorted, verify that the levels are set properly on the speaker and mixing console.
- Make sure all connectors are secure and they are plugged in to the proper connecter (i.e., Mic cable plugged in to MIC input, Line level source plugged in to Line Level Input.
- It is a good idea to periodically clean all electrical connections with a non-lubricating electrical contact cleaner.
- Make sure none of the signal cables are routed near AC cables, power transformers or other electrical power cords.
- If humming occurs, turn the LEVEL control of the speaker all the way down. If the noise disappears, its coming from the signal source. If not, try disconnecting the cable connected to the INPUT jack. If the noise disappears, it could be a ground loop, the following ideas:
  - Use balanced connections throughout your system for best noise rejection. (XLR cables, balanced jacks; RCA cables are not balanced)
  - Whenever possible, plug all the audio equipments power cords into the same outlet.
  - The hum may appear when using an unbalanced source (CD player, iPod, etc.). You can use an RCA to XLR adapter to turn an unbalanced cable to a balanced cable.
  - If the hum persists, try removing components one at a time from the back of the mixer and check each for hum. Reducing the Bass or Treble levels (16 and 17) may reduce humming.

Care and Maintenance

Your active speakers will provide many years of reliable service if you follow these guidelines:

- Avoid exposing the loudspeaker to moisture. If they are set up outdoors, be sure they are under cover if you expect rain.
- Avoid exposure to extreme cold. If you must operate loudspeakers in a cold environment, warm up the voice coils slowly by sending a low-level signal through them for about 15 minutes prior to high-power operation.
- Use a dry cloth to clean the cabinets. Only do this when the power is turned off.
- Avoid getting moisture into any of the openings of the cabinet, particularly where the drivers are located.

Limited Warranty

This Limited Product Warranty is provided by BriteLite Enterprises. BriteLite warrants to Customer that the product is free from defects in materials and workmanship under normal use during the Warranty Period of 90 days for parts and 1-year labor. If the product fails to conform to the warranty then BriteLite or its authorized service will either repair or replace any nonconforming product, provided that Customer gives notice of noncompliance within the Warranty Period to BriteLite by emailing service@britelite.net or calling 310-363-7110 (Mexico customers can call 0155 4624 0251). Please retain the original dated receipt as evidence of proof of purchase.

Please do not return the product to the dealer or place of purchase. Contact BriteLite directly for warranty support.

FCC Caution.

§ 15.19 Labelling requirements.

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.

§ 15.21 Information to user.

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

§ 15.105 Information to the user.

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 theequipment 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.