

OPERATIONS MANUAL FOR EDISON PROFESSIONAL



EN-1600



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Introduction:

Congratulations on your purchase of an EN-1600 powered loudspeaker, engineered and manufactured by Britelite Enterprises. The EN-1600 includes a high-output compression driver, and 15" woofer to produce an even, 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 home theater.

Features:

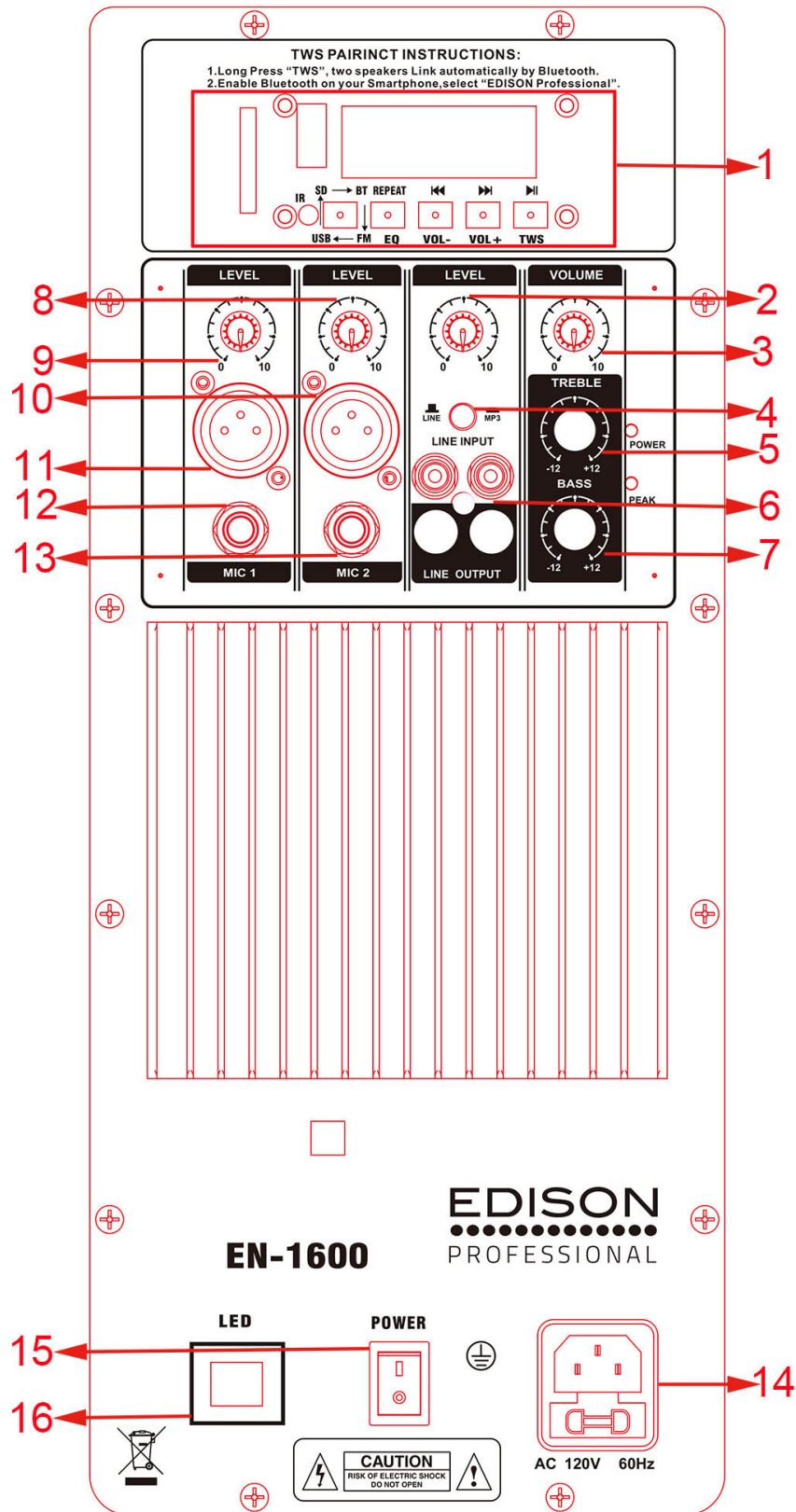
2-way amplified Active Speaker
1X15" Long-throw woofer with high-temperature voice coil
Ultra-wide, smooth dispersion of high and mid frequencies
Mic/Line input and pass-thru connector
USB & SD Card input supports .wav & MP3
Bluetooth Compatible with TWS
LED lighting

Cautions:

1. All Operating Instructions should be read before using this equipment.
2. To reduce the risk of electrical shock, do not open this unit. There are NO REPLACEABLE PARTS INSIDE. Please refer servicing to a qualified service technician.
3. Do not expose this unit to direct sunlight or to a heat source such as a radiator or stove.
4. This unit should only be cleaned with a damp cloth. Avoid solvents or other cleaning detergents.
5. When moving this equipment, it should be placed in its original carton and packaging. This will reduce the risk of damage during transit.
6. DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
7. DO NOT USE ANY SPRAY CLEANER OR LUBRICANT ON ANY CONTROLS OR SWITCHES
8. Make sure All of your equipment is completely OFF and lower ALL VOLUME, LEVEL & GAIN controls before connecting a sound source.
9. Only LINE LEVEL SIGNALS SHOULD BE SENT TO YOUR SPEAKER.

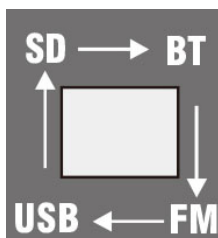
Disregarding any of the above will void your warranty!!!!

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1. MP3 module:

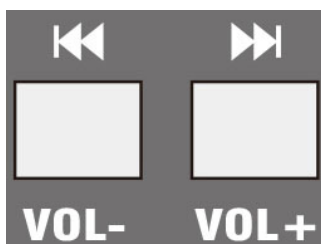


Short press: Bluetooth, SD, USB, FM radio switch



Short press: REPEAT;

Long press: EQ setting



Short press: Last and next;

Long press: Volume – or +



2. Line/MP3 input volume: Control the Volume of line/MP3 input

3. Master volume : Control the Volume of speaker .

4. Line input / MP3 input switch

5. Treble volume : Control the Volume of treble

6. Line input/Line output:RCA jack

7. Bass volume : Control the Volume of bass

8. Microphone volume 2: Control the Volume of microphone input

9. Microphone volume 1: Control the Volume of microphone input

10. Microphone input 2: XLR microphone input

11. Microphone input 1: XLR microphone input

12. Microphone input 1: 6.35JACK microphone input

13. Microphone input 2: 6.35JACK microphone input.

14. Power Cord Connector - Connect here an IEC main power cable in order to supply the unit

15. Power on/off

16. LED lighting on/off

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.

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 connector (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, it's 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," Try the following ideas:

- Use balanced connections throughout your system for best noise rejection. (XLR

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cables, balanced ¼" jacks; RCA cables are not balanced)

- Whenever possible, plug all the audio equipment's power cords into the same outlet.
- The hum may appear when using an unbalanced source (CD player, iPod, etc.). Use 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 (10 and 11) may reduce humming.

Information to Users

According to the FCC Part 15.19, 15.21, and 15.105 rules, for this EUT, the instructions or operation manual furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

FCC Warning

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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 Radiation Exposure Statement:

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.

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