

EDISON™ PROFESSIONAL

ES6000 User Manual

Professional speaker system



STOP
FOR QUESTIONS OR TECHNICAL SUPPORT
(888)604-8881
Please do not return this product to the store.

EDISON™ PROFESSIONAL

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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@brite-lite.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 product support.
Telephone: (888)604-8881

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SPECIFICATIONS:

Input source Bluetooth/USB/SD/Line
Bluetooth range Bluetooth 10m
MIC IN 1/4"TRS or XLR
Control Buttons Graphic Equalizer button, BASS/TREBLE, Program knob, Effect knob, Volume knob, level,6pcs

LED indicator Power, 5 Bands Graphic Equalizer
Battery No
Power input AC100-240V 50/60Hz
Auto Standby No

Auto Power off No
Speaker Output wattage 200Wx2
Speaker Driver size 1" (woofer) + 3.2" (Tweeter)
Speaker Grill Finishing Metal

Full Range Yes
SPL 122dB
THD+Noise <1%
SN >75dB
Cabinet Material Plastic
Dimension 36.6" x 14.2" x 13.7"
Weight(G) 69.6lbs

Operating Temperature 32F to 104F
Operating Humidity Range 40-90%
Storage Temperature Range -13F to 158F

Key Power On/Off key Power on: Switch "Power" Key to "I"
Power off: Switch "Power" Key to "0"

Bluetooth
Bluetooth Version 2.1+EDR
Bluetooth Profile A2DP, AVRCP
Bluetooth Frequency Band 2.402GHz-2.480GHz
Bluetooth Range 10m

Connections
XLR or 1/4" Jack Mic In Yes
USB Input Yes
AC In Yes
AC Out No

Microphone
Element Moving coil dynamic
Polar Pattern Uni-directional
Frequency 80Hz-12000Hz
Sensitivity @ 0dB = 1V/pa -55 +/- 3dB
Impedance 600 +/- 50% ohm

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IMPORTANT SAFETY INSTRUCTIONS:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE LABEL CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOIST.



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 stand 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.

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15. Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

16. Do not install this equipment in a confined or building-in space such as a book case or similar unit, and remain a well ventilation conditions at open site. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloth, curtains, etc.
17. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
18. Protective earthing terminal. The apparatus should be connected to a mains socket outlet with a protective earthing connection.
19. Minimum distances 10mm around the apparatus for sufficient ventilation.
20. The ventilation should not be impeded by covering the ventilation openings with items, newspapers, table-cloths, curtains, etc.
21. No naked flame sources, such as lighted candles, should be placed in the apparatus.
22. The use of apparatus in moderate climates.

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

Unpacking

Check that you have all of the following items. If any item is missing, please contact the customer service hotline for assistance. The hotline number is printed on the cover page of this user manual.

- ES 6000 Microphone & Microphone Cable
- AC Power Cable -User Manual(With Warranty Statement)
- Quick Start Guide -Speaker Cable
- Speaker Stand -X-stand
- 2 Locking Pin
- 4 Beating bolt tripod foot
- 5 Stand Height: 38" (0.97m)
- 6 Three detachable legs

Stand Mounting:

The speakers are compatible with standard 1-1/2" (38mm) stands. Speaker stands must only be used on smooth level surfaces.

- Be certain you select a stand rated for at least 30lb. 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.
- Tighten the set screw (by hand) to make any electrical connections.
- Check that the set screw in the speaker base is backed out enough to clear the stand post.
- After placement, verify that the stand post is fully seated in the speaker base.
- 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.

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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.
- 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 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.

GETTING STARTED



Power connection
• Connect the supplied A/C cable to the speaker
• Plug the A/C cord into the wall outlet

Power On/Off 3 switches
• Power on: the mechanical
• Turn Power switch on
• The power LED will turn on

Connect the speaker

- Use the two 1/4" jack connectors of speaker out to connect the left and right speakers.
- When a variety of audio equipment connect to input connector, you can use the universal mixer/amplifier to adjust the sound effect, and then use the universal speaker to play out.
- Do not connect more than two 40ohm speaker to the output of this model mixer/amplifier. Total load must not go below 40ohms.

BLUETOOTH CONNECTION / PAIRING

A. Bluetooth Connection

- Make sure device (iPod, MP3 player, etc.) Bluetooth function is enabled.
- On the speaker, press the **I** button to select Bluetooth function, then your device and speaker should be connected.
- Make sure to choose BLUETOOTH from your device to complete the connection.

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• Only one Bluetooth device can be connected to the ES 6000 speaker at a time.

B. Bluetooth Pairing

- Please search Bluetooth device on your mobile device, which name is "BLUETOOTH"; after searching with it, you can click the "connection" and enter into "0000" if required.
- If the computer needs to be connected to the device, it is necessary to install the Bluetooth management software. If not, it only can connect and can not transmit the audio. Also, if fail to find the "Bluetooth"; please press the button for two or three seconds, then you can find it.



CONNECTING A MICROPHONE OR OTHER DEVICE

1. Connect the output from your signal source (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 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 ES 6000 to the output of your sound source. Simply plug two 1/4" jack cables from the Speaker 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 ES 6000. Start signal source and adjust volume controls on the signal source and ES 6000 speaker.

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CONNECTION USING MIC INPUT

- These balanced inputs accept a standard XLR phone plug.
- A broad range of signals from microphones, audio mixing consoles and electronic musical instruments may be connected here.



CHOOSE THE EFFECTS

- Use the PROGRAM Knob to choose the effects listed below and the effect number will be showed on the display.
- Digital Effects indicators will show what digital effects have been chose.
- You can see the Details for digital effects 99 on the front panel before you choose the effects that you need.

TREBLE & BASS

TREBLE: Raise or attenuate highs at 12dB @ 10 KHz frequency.
BASS: Raise or attenuate lows at 12dB @ 100Hz frequency.

EQUALIZER

These controls adjust over all tone of the mixer. Each slide control adjusts the amount of specific frequencies ±12dB.

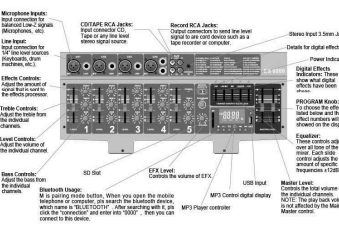
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Part Description:



Mixer Front Description:



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FCC Caution.

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.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.