

Studio Mix 32.4

User's Guide



DESIGN

SEEKING THE NICHE

At British Acoustics, we quickly realized that the most significant challenge in design is determining what needs to be designed. Many resources have been invested in creating things that may not be necessary. From our early days, our designers have emphasized research-based design. Even today, before taking on a project, our designers conduct extensive research to define our objectives. Each project becomes unique, with different design objectives, ranging from aesthetics to energy efficiency. Inspiration comes from various sources, including historical manuscripts, science fiction, and everything in between.

ELEMENTS

BUILDING BLOCKS OF PRODUCTION

Materials in production are like atoms in science – fundamental. Regardless of the product, materials are vital. From a simple ceiling speaker to a tech-savvy Line Array, material selection, proportion, and consistency are the key factors that make every British Acoustic product exceptional. Since our products aim to solve problems, we test various types, sources, and varieties of materials and compare the results to our targets. With the rapid growth of the IT industry, some results are surprising. The next step, which is even more critical than selection, is finding the right proportion. Achieving the right balance in elements like copper in our coils, insulation in a speaker, or degradable vs. non-degradable materials is essential. Third, and most important, is consistency. Striking the perfect balance between these elements is both art and science, one we've mastered and continue to learn.

PRODUCTION

ENGINEERED CRAFTSMANSHIP

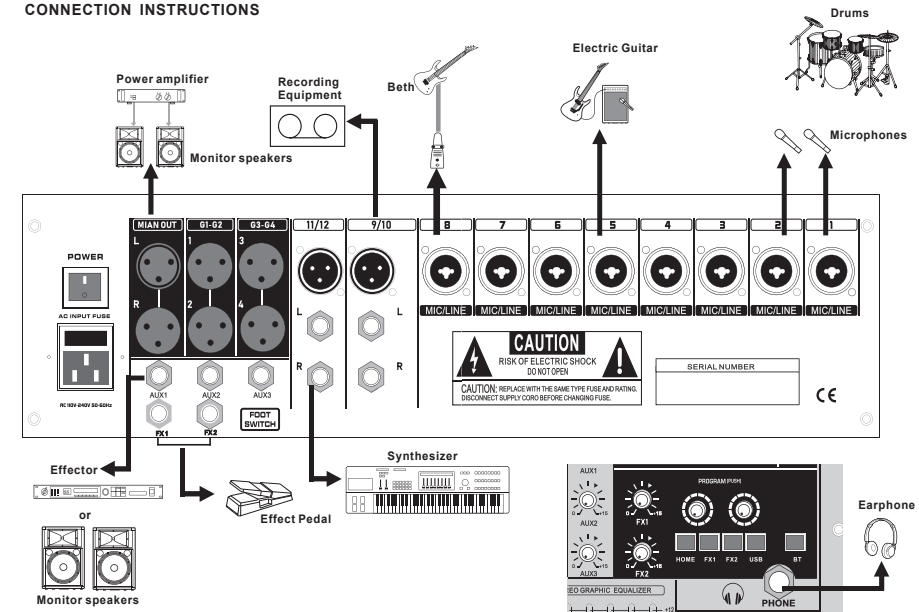
Craftsmanship has traditionally been associated with small-scale, individualized production. In 1972, we started in a similar way, assembling speakers by hand in a garage. As we grew, it became challenging to build each speaker individually, but we couldn't compromise on quality. We developed a code for quality control, selected the right partners, acquired the necessary tools, and invented them when needed. We chose a slower path to ensure lasting quality. In the 21st century, we proudly introduce "Engineered Craftsmanship" – a perfect blend of skilled labor and the latest technologies. Whether it's 3D printing, wireless technology, or the Internet of things, at British Acoustics, we've been at the forefront of welcoming change.

EXPERIENCE

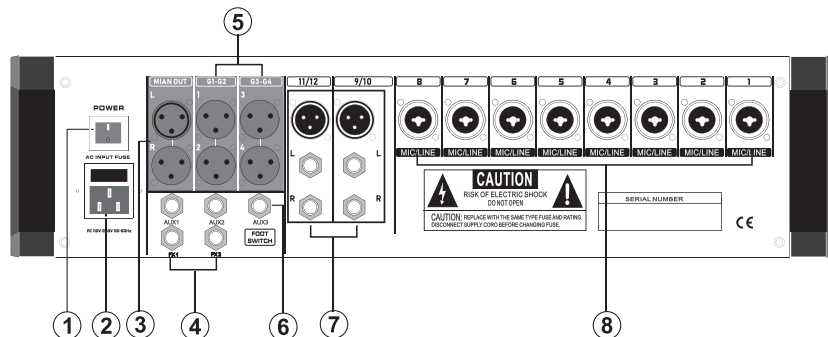
USER-CENTERED EXPERIENCE

Our entire operation at British Acoustics revolves around user experience. It's why we've been doing what we do since 1972. Whether our speakers enhance tours, large venues, or add comfort to living rooms around the world, it's the user experience that delights us. Every step we take is aimed at improving the consumer experience. We work on making our products aesthetically appealing for living rooms and rugged and portable for rental users. We strive to maintain a high level of customer satisfaction pre-sales, during sales, and after. Once you've experienced British Acoustics, there's no turning back!

CONNECTION INSTRUCTIONS



BACK PANEL SECTION



1. Power Switch

Use the POWER switch to turn on the mixer. Always make sure it's in the "off" position before connecting the unit to the power source. To disconnect from power, unplug the main cord. Ensure the plug is easily accessible during installation.

2. Fuse Holder/IEC Mains Receptacle

The mixer connects to the power supply using the provided cable that meets safety standards. Only replace blown fuses with the same type and rating. The mains connection uses an IEC mains connector, and an appropriate cable is supplied.

3. Main Output (L, R) XLR Outputs

These XLR outputs deliver the mixer's stereo output, which you can use to connect to the power amplifier for your main speakers.

4. Footswitch

Used for connecting an effect pedal.

5. Group Out (1-2) XLR Outputs

These outputs connect with other amplifiers that can be controlled by the master fader for GROUP 1-2.

6. AUX1-2-3 Out

The AUX SEND jack is used when connecting a monitor power amplifier or active monitor speaker system. Ensure the relevant AUX path is set pre-fader.

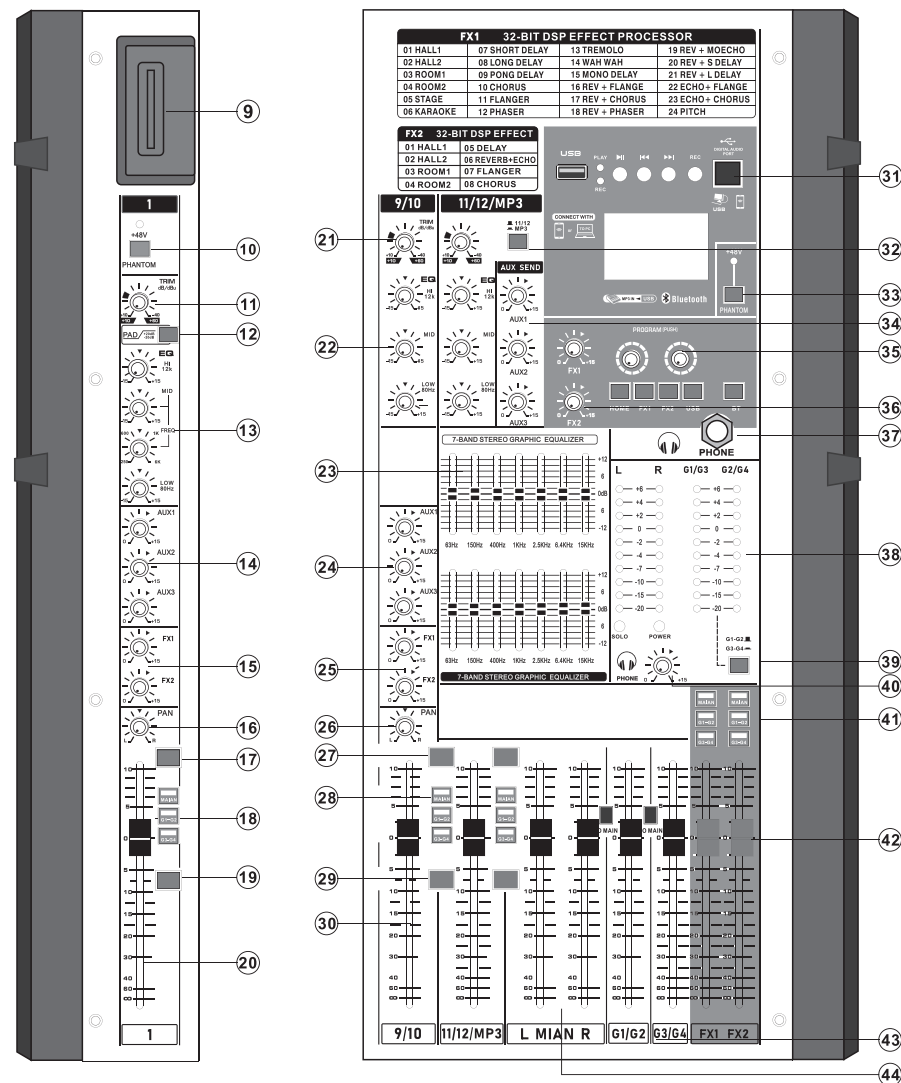
7. Stereo Input Jacks

These are for connecting a cassette deck.

8. Mic Input Jacks

These are balanced XLR-type microphone input jacks. You can also use balanced or unbalanced (TS or TRS) jack cables here.

INPUT CHANNELS SECTION



9. Input LED Display

These LED displays indicate the input signal strength for each mono channel.

10. Phantom +48V Switch

This switch toggles phantom power on/off.

11. Trim Control

Adjusts the input signal level for the best balance between the signal-to-noise ratio and dynamic range. The 60 to +10 scale is for MIC input adjustment, and the -40 to +10 scale is for Line input adjustments.

12. Pad Switch

Reduces the signal gain of each channel by 20dB.

13. Equalizer (High, Mid, Low)

This four-band equalizer adjusts the high, mid, and low frequency bands for each channel. Setting the knob to "0" produces a flat response in the corresponding frequency band. The high and low EQs are shelving EQs, and the mid EQ is semi-parametric.

14. AUX1, AUX2, AUX3 Control

Controls the level of the input channel to the auxiliary output channel without affecting the mixed amplifier signal.

15. FX1 & FX2 Control

These knobs can be used to send the input channel at the desired level to the built-in effects processor and adjust the EFF volume of mono channels.

16. Pan Control

Determines the position of the channel signal within the stereo image. When working with sub groups, you can use the PAN control to assign the signal to just one output, which gives you additional flexibility in recording situations.

17. Mute Switch

Mutes the corresponding channel when pressed.

18. Main

You can assign the corresponding channel to the MAIN-L/R fader after pressing the "MIX" switch, or to either of the two stereo subgroups by pressing the respective switches.

19. Solo/Peak Switch

- Solo: Used for previewing channels before they are mixed or checking a channel's status during a session.

- Peak: Indicates when the input signal is too loud.

20. Channel Faders

Adjust the level of the channel signal for balancing between various channels.

21. Trim Control (9/10/11/12CH)

Adjusts the input signal level for these specific channels.

22. Equalizer (9/10/11/12CH)

This three-band equalizer adjusts the high, mid, and low frequency bands for these channels.

23. 7-Band Stereo Graphic Equalizer

Customize the sound to match the room acoustics. There are two separate graphic EQs for the Left and Right outputs respectively.

24. AUX1, AUX2, AUX3 Control

Control the level of signal sent from channels 9/10 to the respective auxiliary output.

25. FX1/2 Control

These controls are for the built-in effects processor and adjust the EFF volume for channels 9/10.

26. Pan Control

Determines the position of the channel signal within the stereo image.

27. Mute Switch

Mutes the corresponding channel when pressed.

28. Main

You can assign the corresponding channel to the MAIN-L/R fader after pressing the "MAIN" switch, or to either of the two stereo subgroups by pressing the respective switches.

29. Solo/Peak Switch

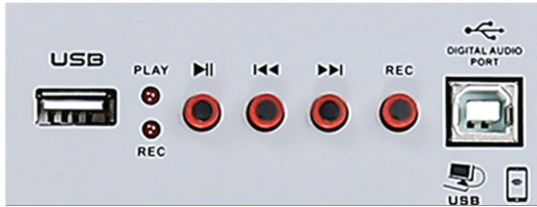
- Solo: Used for previewing channels before they are mixed or checking a channel's status during a session. Once pressed, you can monitor solo-ed channels through the phones output.

- Peak: Indicates when the input signal is too loud.

30. Channel Faders

Adjust the level of the channel signal for balancing the output level between various channels.

31. MULTI-FUNCTIONAL KEY



▶▶ PLAY/PAUSE CONTROL BUTTON

Press this button briefly to play or stop music.
When music is playing, the PLAY indicator will flash.

◀◀ PREV Prev/Volume” -” decrease control button

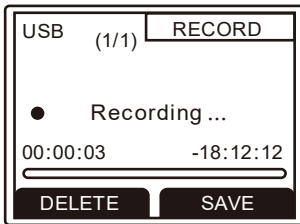
Press this button briefly to skip to the previous song.
Hold the button for a few seconds to decrease the master volume.

▶▶ NEXT Next/Volume” +” increase control button

Press this button briefly to skip to the next song.
Hold the button for a few seconds to increase the master volume.

REC Get into the recording interface after pressing this key.

As followed Interface.



Recording Steps:

- Start by pressing the REC key to enter the REC interface.
- Use the multi-functional knob to navigate (as shown in Picture 1).
- By pressing the right knob of Picture 1, you'll see the content displayed in Picture 2.
- To play or save the REC file, press the right knob of Picture 1.
- If you don't want to save the REC file, press the left knob of Picture 1.

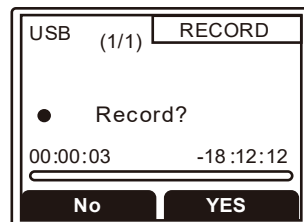
PIC1

Multi-functional knob



Left knob Right knob

PIC2



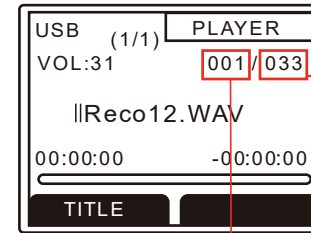
Recording interface

Checking REC:

press the home key to return to the home page,
then press the USB key to enter the USB interface (as shown in Picture 3).

- To play the REC, press the left knob of Picture 1.

PIC3



Total number of the REC

The sequence number
of the current REC



USB INTERFACE : Inserting USB into this port.



PC/PHONE INTERFACE : Connecting with PC or PHONE.

32. TOGGLE KEY

- When released, the input signal for this channel comes from the 11/12th channel.
- When pressed, the input signal for this channel comes from the MP3 channel.

33. Phantom +48V Switch

- This switch enables the phantom power on and off switch for channels with XLR MIC input jacks.

34. AUX1&AUX2&AUX3

- These knobs control the AUX output jack's volume.
- Turn them to the right to increase the volume for equipment connected to AUX1, AUX2, and AUX3. Make sure to turn on the knob if you want to use AUX.

35. Multi-Functional Knob






Left Knob: Select and confirm EFF type

Right knob: adjust the EFF parameters, after clicking the FX1/2 key, you would like to turn this

knob to adjust the parameters

Remark:

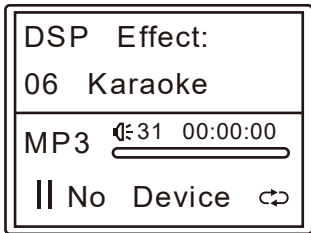
1. Restore factory settings: You should press PROGRAM  at the same time while opening the mixer.

2. Double row LED light of the mixer will blink when the signal is over -20dB.
Multi functional knob

HOME KEY

Returning to the home page after pressing this key.

As follows interface:



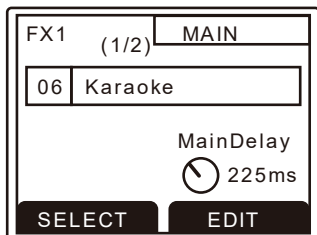
FX1&FX2 KEY-FX INTERFACE

Adjusting each FX from this key. There are two pages in this step. The interface will be changed after the second press "FX1/FX2". For example, you can adjust EFF time after the first press "FX1/FX2". Adjusting another EFF parameter after the second press "FX".

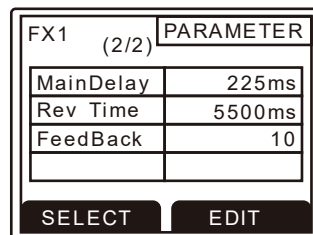
But this step needs to match with the "PROGRAM(PUSH)" key.

As follows interface:

The first page



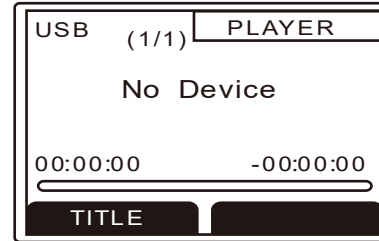
The second page



USB KEY

Getting into the USB interface after pressing this key.

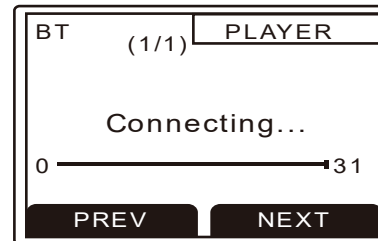
As follows interface:



BT KEY

Long press this key for 3 sec to connect Bluetooth.

As followed interface



36. FX1&FX2 Control - SOUND

Adjusts the volume of the effector. Turning the knob left decreases the volume, while turning it right increases it.

37. PHONES JACK

Connect a pair of headphones to this TRS phone-type output jack.

38. LEVEL METER

Shows the signal's strength.

39. TOGGLE KEY

1-2 ■

3-4 ▬

When released, users can monitor the signal from 1st-2nd of GROUP.

When pressed, users can monitor the signal from 3rd-4th of GROUP.

40. PHONE

Controls the output signal level to headphones.

41. Eff Key

"MAIN" Key:

FX1 or FX2 will be sent to the main output through the L & R bus after pressing this key.

"G1-G2" Key:

FX1 or FX2 will be sent to the group output through the G1 & G2 bus after pressing this key.

"G3-G4" Key:

FX1 or FX2 will be sent to the group output through the G3 & G4 bus after pressing this key.

42. FX Level

Controls the level of the effector's output signal.

43. Group Level

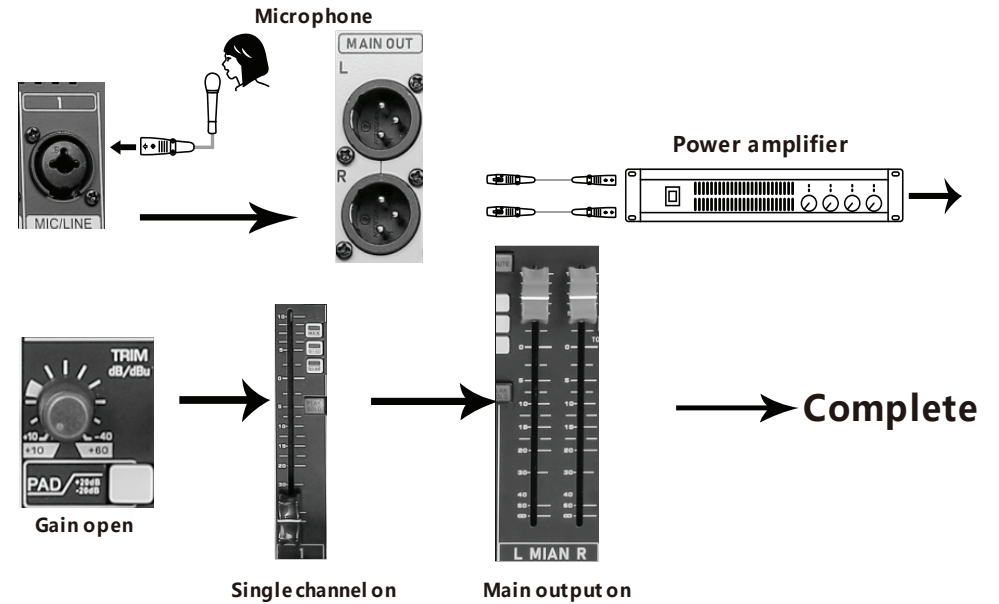
Controls the level of the group's output signal.

44. Channel Level Knob - L&R

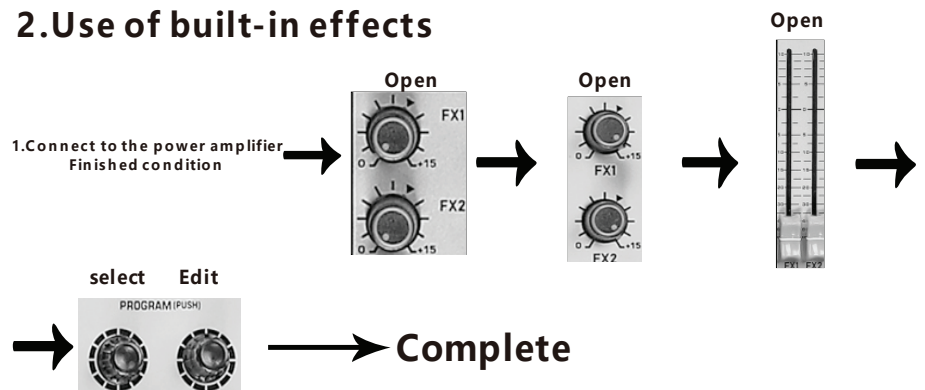
Adjusts the level of the main output signal.

EXAMPLES OF USE:

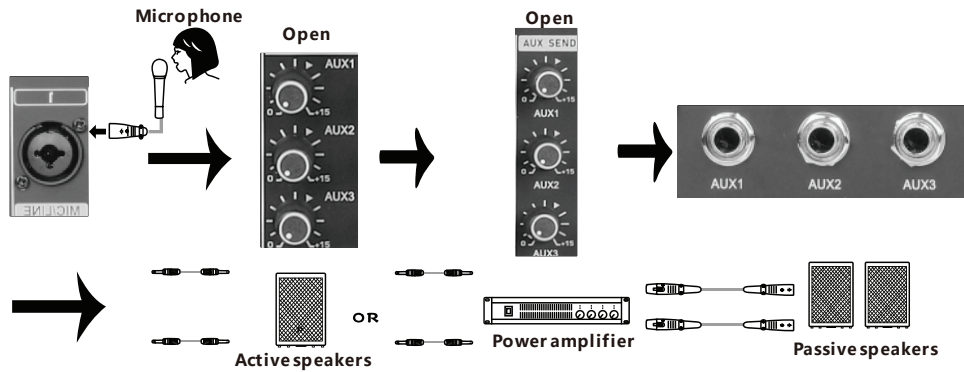
1. Use the amplifier



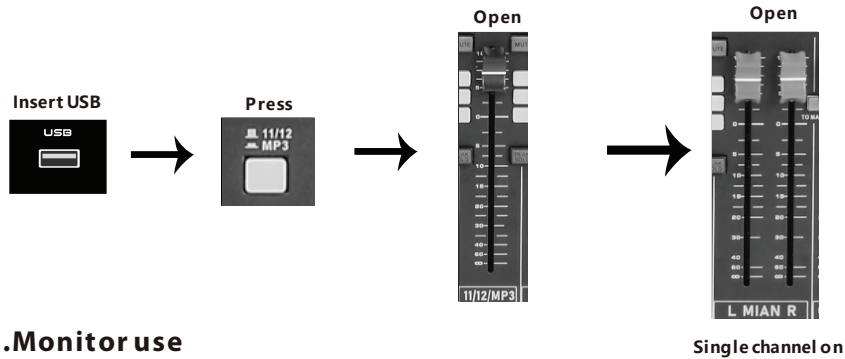
2. Use of built-in effects



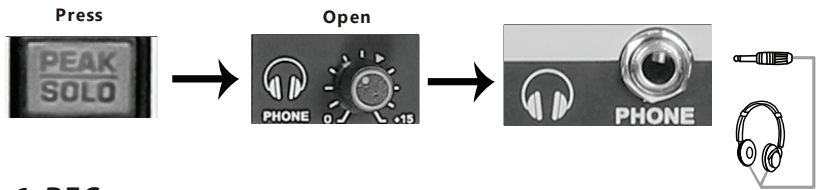
3. Use of AUX



4. Use of USB



5. Monitor use



6. REC use

REC is the micro-signal output port of the mixer, which can be connected to a professional recorder or a computer equipped with recording software.

7. USING VOLTAGE

Please note that the mains voltage is 110V--- 240V, If it is lower than 220V, please use a voltage regulator, otherwise the insufficient power supply will cause current noise.

8. Warnings:

To select a mixer equipped with a wireless microphone, please use the penultimate channel control. For example, the third channel of the 4-channel mixer controls the microphone, for example, the seventh channel of the 8-channel mixer.

Restore factory settings: You should press PROGRAM at the same time while opening the mixer.



Factory accessories: one host, one power supply, one manual, one warranty card

WARNING:

To prevent fire or shock hazard, do not expose the unite to rain or moisture.



The lightning flash with an 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

WARRANTY INFORMATION

Warranty Coverage

British Acoustics warrants the Octa X 800 Columnar PA System to be free from defects in materials and workmanship for a period of one year from the date of purchase. This warranty applies to the original purchaser of the product and is non-transferable.

Repair or Replacement

During the warranty period, British Acoustics will, at its option, either repair or replace any defective product or part at no charge to the purchaser. All replaced parts become the property of British Acoustics. This warranty does not cover any damage resulting from accident, misuse, abuse, or unauthorized repair.

Obtaining Warranty Service

To obtain warranty service, please contact the authorized British Acoustics dealer from whom you purchased the product, or contact British Acoustics directly. Proof of purchase will be required to obtain warranty service. If the product is shipped for warranty service, the purchaser is responsible for all shipping and insurance charges.

Limitations of Warranty

This warranty is in lieu of all other warranties, express or implied, and British Acoustics specifically disclaims any implied warranties of merchantability or fitness for a particular purpose. In no event shall British Acoustics be liable for any indirect, special, incidental, or consequential damages arising out of or in connection with the use or inability to use the product, even if British Acoustics has been advised of the possibility of such damages.

Legal Rights

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or country to country.

Thank you for choosing British Acoustics. We stand behind our products and are committed to providing you with the best possible customer service.



CONTACT INFORMATION



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Contact the British Acoustics Distributor in your area
A complete list of British Acoustics international distributors
is provided at our website:
www.britishacoustics.com.

