

CONTENTS

Safety Instructions	4
Introduction	6
Set-Up	7
Schematic Diagram	10
Technical Specification	12
Contact Information	13
Warranty Information	14

SAFETY INSTRUCTIONS



Electronic equipment requires safety precautions to ensure longevity and user safety. Here, we will outline five safety precautions for the LiveMix 8FX, a powerful analogue mixing frame designed for live performances. These include power safety, handling, cable management, ventilation, and maintenance. By following these precautions, you can enjoy the LiveMix 8FX's exceptional performance with peace of mind.

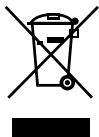
Power Safety:

The LiveMix 8FX operates on mains power, so it is essential to ensure that the device is properly grounded. Before plugging in the device, make sure that the power outlet you intend to use is properly grounded. You should also use a power conditioner to protect the device from voltage spikes or surges. When unplugging the device, avoid pulling on the power cord, as this can damage the cord or the plug.

Care & Cleaning

The speaker may be cleaned with a dry cloth. Do not allow moisture into any of the openings in the system. Ensure that the system is unplugged from the AC outlet before cleaning. If you notice any issues with the device, such as strange noises or malfunctioning controls, contact a professional technician for repair or maintenance..

To prevent damage to the LiveMix 8FX, avoid dropping or bumping the device, as this can damage internal components and cause malfunctions. Additionally, avoid exposing the device to extreme temperatures, which can impact performance.



WEEE Notice

The LiveMix 8FX must not be disposed of with your other household waste. You are liable for disposing of all your electronic or electrical waste equipment by relocating it to the specified collection point for the recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserve natural resources. Proper recycling of electronic and electrical waste equipment will also ensure the safety of human health and environment.

For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

RoHS Compliance

The LiveMix 8FX is in compliance with Directive 2011/65/EU and (EU) 2015/863 of the European Parliament and of the Council of 19. 31/03/2015 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

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1. Please READ these instructions.
 2. KEEP these instructions for future reference.
 3. HEED all warnings.
 4. FOLLOW all instructions.
 5. DO NOT use near water.
 6. Use ONLY a dry cloth for cleaning.
 7. DO NOT block ventilation openings. Follow the manufacturer's instructions for installation.
 8. DO NOT install near heat sources, such as radiators, heat registers, stoves or amplifiers.
 9. DO NOT alter the polarized or grounding type plug, which has two blades with one wider than the other, or a third grounding prong. The wider blade or third prong must be inserted into a compatible outlet to ensure safety.
 10. PROTECT the power cord from being walked on or pinched, especially at plugs and where it exits from the apparatus.
 11. ONLY USE attachments and 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. Use caution when moving the cart/apparatus combination to avoid tip-over.
 13. UNPLUG during lightning storms or when unused for long periods of time.
 14. REFER servicing to qualified service personnel if the apparatus has been damaged, exposed to rain or moisture, dropped or does not operate normally.
 15. DO NOT expose to water, and keep liquid-filled objects away from the apparatus.
 16. To disconnect from AC mains, remove power supply cord plug from AC receptacle.
 17. If the mains plug or an appliance coupler is used as the disconnect device, it must remain readily operable.
 18. DO NOT overload wall outlets or extension cords beyond their rated capacity to avoid electric shock or fire.
 19. Ensure adequate ventilation by not installing in a confined or enclosed space.
 20. DO NOT cover ventilation openings with items such as newspapers, tablecloths, or curtains to prevent obstruction.
 21. The apparatus must not be exposed to rain or moisture, and no naked flame sources, such as lighted candles, should be placed on the product. Equipment must be connected to a mains socket outlet with a protective earthing connection.



The exclamation point, within an equilateral triangle, is intended to alert the user to important operating and maintenance instructions in the literature accompanying the product.

INTRODUCTION

A whole new level of intelligence. The LiveMix Analogue Mixing Frames integrate the best in technology featuring PSL Preamps, Oliver FX Engines, Hybrid Mix Control, Professional BlueBox Connection, Hermetically Sealed Fluid Glide Fades and more to transform the way you look at analogue mixing

Oliver FX Engine

22 Pre-sets library with 99 effects on two dedicated effects engines.

The Oliver FX engines are designed by the same in house team that created the mix engineers favourite PSL pre amps platform.

The engine consists of 22 stunning reverb and effects along with 99 parameters, on a stereo FX engine providing studio grade effects across Room, Hall, Plate, Reverb, Chorus and more effect categories.

The Reverbs and effects are all instantly accessible with a single button push or knob turn.

Either way you choose to use the Oliver FX engine , live or in the studio – the 22 effects algorithms along with 99 user programs gives you complete power of true stereo processing.

Both the engines are capable of intense processing of high quality audio effects featuring the deep, rich reverb and effects algorithm

PSL Preamps

Power - Signal - Layout

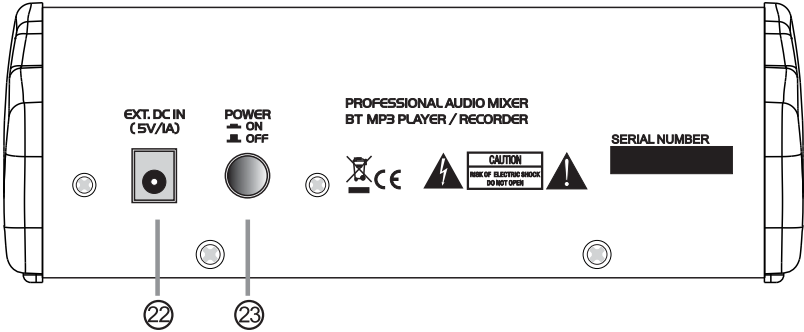
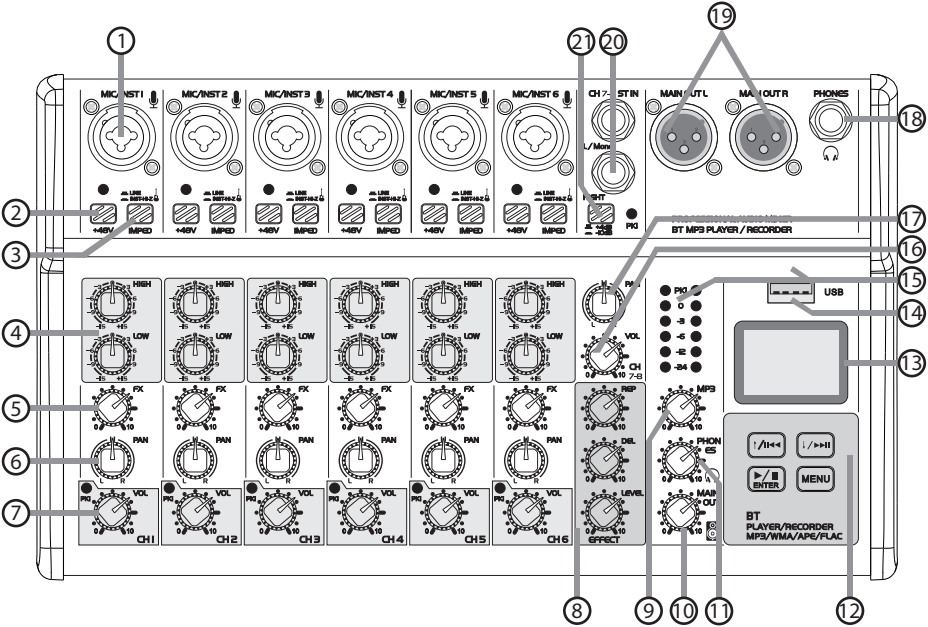
The core design philosophy on the pre-amp stage is to achieve better performance from the ADC.

When laying out components for a mixed-signal PCB, certain considerations are critical to achieve optimum performance. Mixed-signal PCB's are particularly tricky to design since analogue devices possess different characteristics compared to digital components: different power rating, current, voltage and heat dissipation.

Our team has worked on this and designed the layout to prevent digital logic ground currents from contamination on our mixed signal P.C.B.

These layout helps achieve maximum signal integrity ,from every input to every output, & supports the highest headroom and low noise possible resulting in a wide and smooth gain structure.

SET-UP



Front Panel Functions

- 1.The MIC channel jacks are used to connect microphones or other audio devices using cannon plugs and 6.35 plugs.
- 2.The +48V phantom switch/LED provides DC +48V phantom power to the XLR plug on the MIC input jack. Leave this switch off if phantom power is not needed. Slide the knob on the channel to minimum before turning the switch on/off to prevent noise or damage.
- 3.The Guitar/Line input shifter is used to connect input channels to different sound sources.When using this switch, set all level output controls to the minimum position to avoid damage to external devices or hearing impairment.
- 4.The MIC input CH 2 band EQ adjusts the overall tone of the channel using a 2-segment equalizer.
- 5.The FX send knob adjusts the size of the signal sent to the digital effect processor.
- 6.The PAN knob positions the channel signal between L/R in the stereo mix.
- 7.The MIC input volume knob adjusts the volume of the sound input from the microphone or other source connected to the channel. Avoid the peak light for a long time during normal use.
- 8.The digital effect processor adjusts the REP knob to adjust how many times the echo repeats, the DEL knob to adjust the time interval between each echo, and the LEVEL knob to adjust the volume of the effect processor.
- 9.The MP3 audio signal volume knob adjusts the audio signal level from the MP3 player.
- 10.The MAIN output volume knob adjusts the main output volume.
- 11.The Phones output volume knob adjusts the volume of the headphone output.
- 12.The MP3 Player/Recorder is controlled using the keyboard.
- 13.The MP3 Player/Recorder has an LCD display.
- 14.The MP3 Player/Recorder has a USB port.
- 15.The MAIN output level meter shows the level of the main output.
- 16.The stereo input channel volume knob adjusts the volume of the stereo input channel.
- 17.The stereo input channel balance knob adjusts the balance of the stereo input channel.
- 18.The 6.35mm specification for the stereo headphone output interrupts.
- 19.The MAIN output Jacks are XLR balanced output interrupts for the connection of active speakers, power amplifiers or other audio devices.
- 20.The 6.35mm-spec stereo line input jack is used for stereo line input.
- 21.The stereo line input signal sensitivity selection button bounces to +4dB, press 10dB.
- 22.The DC power supply 5V socket is used to power the device.
- 23.The power switch turns the device on/off.

System Setup:

To access the main menu, simply press any key when no USB drive is inserted. From there, select "System Setup" by pressing the selection key and then proceed with the setup by pressing the "play" key. The following options are available for customization:

- A. Backlight Time: You can choose the duration of time before the backlight turns off automatically when there is no operation.
- B. Contrast: Adjust the contrast of the display screen to suit different light environments.

1. Bluetooth Connection:

To connect via Bluetooth, press any key to enter the main menu when a USB drive is not inserted. Then select "BT mode" by pressing the "selection" key, followed by pressing the "play" key to connect. The name of the Bluetooth module is B_SPEAKER.

2. Music Mode:

When a USB drive is inserted, music will automatically start playing. In the music interface, press the "menu" key to access setup options for the music mode, which include:

- A. Loop Mode: Choose between all loop, single loop, and random play.
- B. EQ Mode: Choose between several balance modes, such as nature, rock, pop, and classic.
- C. Master Disc Directory: Quickly select music by reading audio files in the folder.
- D. Delete File: Delete the currently played audio file.

3. Record Mode:

In the music interface, long-press the "menu" key to switch to recording mode. Long press the "play" key to start or pause recording, and long-press the "play" key to finish recording and save the file in MP3 format with 48Khz sampling and 128Kbs bit rate.

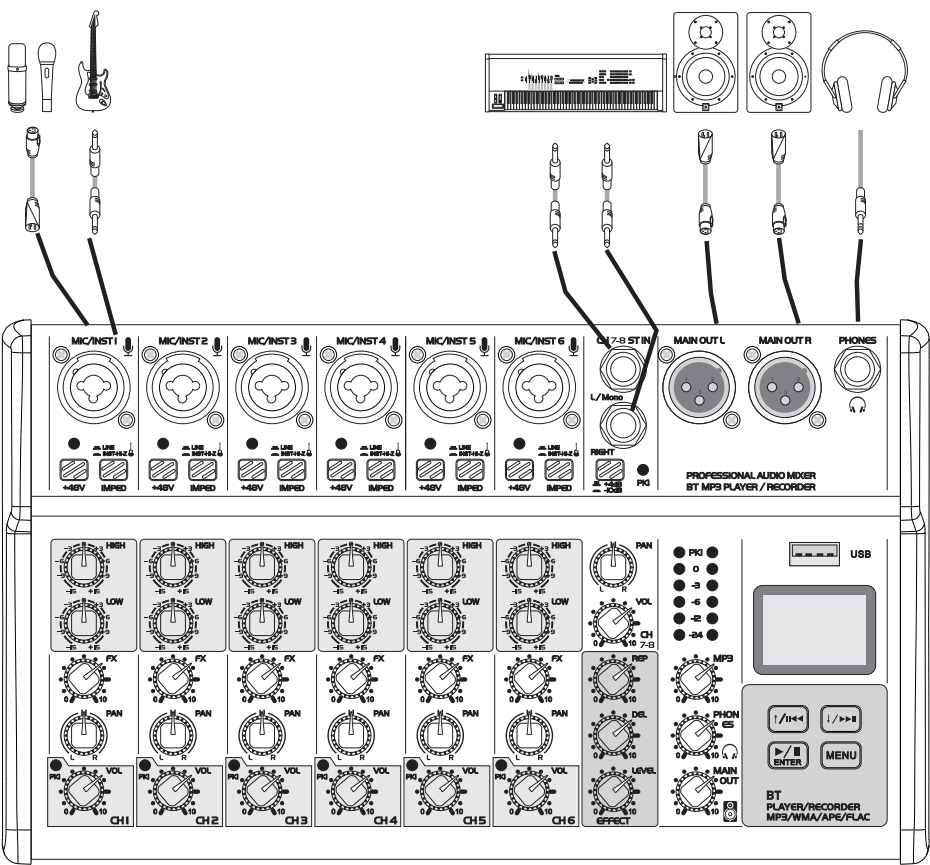
4. Connect to Computer:

Select and confirm the "Connecting" item in the main menu, then use a USB cord to connect the device to the computer's USB port. This device can be used as a USB sound card to play music.

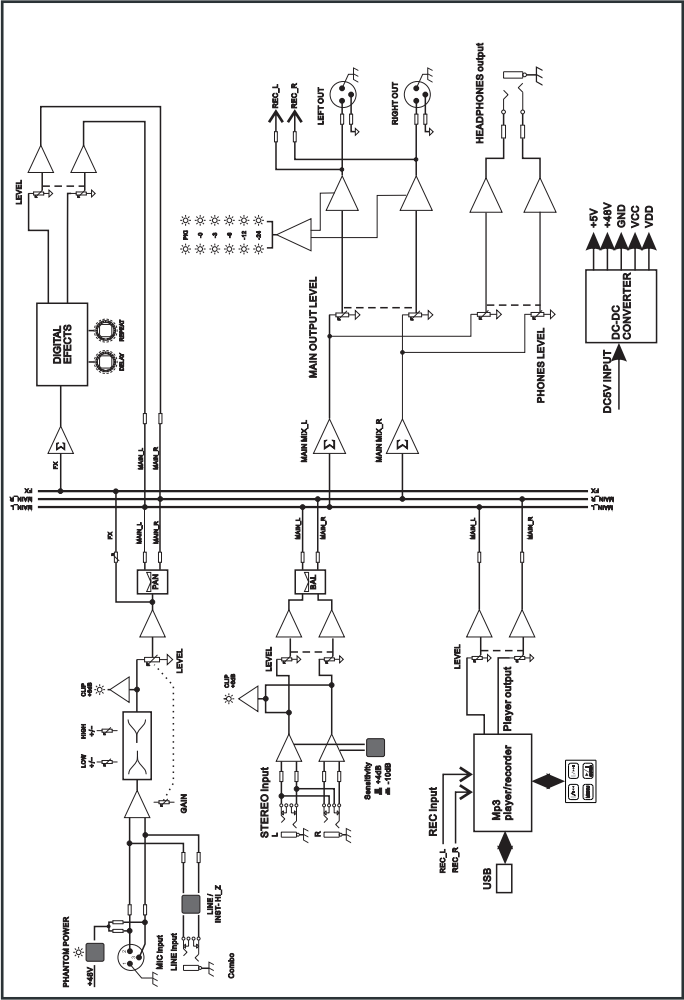
Any changes made during setup will be stored and memorized upon switch-off.

SCHEMATIC DIAGRAM

Equipment Connection



Block Diagram



TECHNICAL SPECIFICATION

Input Channels	Mono(Mic/Line): 6 ; Stereo(Line): 1
Output Channels	Main L/R Out: 1 ; Phones: 1
Bus	Stereo: 1
Input Channel Function	
Ch1/2 Mic/Line	Gain,-14~+40 dB; 2 band EQ, 80Hz/12KHz,±15dB +48V, Phantom Power, LED;
	Impedance Switch; Peak LED;
Stereo Input	Sensitivity adjusting switch;
	Balance adjustment; Peak LED
Level Meter	2x6 point LED meter ;
Max Output Level	3 Vrms;
Frequency response	± 0.5 dB, 20-20000Hz;
Dynamic range	102 dB;
THD+N @ 1KHz	≤0.03%;
Stereo crosstalk	92 dB;
Power Requirements	DC 5V, 1A
Power Consumption	Max. 5W
Net Weight	1.45 kg
Product dimensions:	274mm x 66mm x 165mm

CONTACT INFORMATION



Mailing Address:

British Acoustics
Riverside Industrial Estate, Creative Park,
Langley, Durham, DH7 9TT. England

Customer Service

Monday through Friday
8:00am - 5:00 pm
Greenwich Mean Time
info@britishacoustics.com

On the World Wide Web

www.britishacoustics.com

Professional Contacts, Outside the UK

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

WARRANTY INFORMATION

Warranty Coverage

British Acoustics warrants the LiveMix 8FX 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.

Legal Disclaimers:

Legal disclaimers are statements that limit the liability of the manufacturer/supplier for any damages that may result from the use of the product. These disclaimers typically appear in the product documentation, such as the user manual or license agreement, and may include language such as "the product is provided as is, without warranty of any kind" or "the manufacturer/supplier is not liable for any damages arising from the use of the product."

Export Control:

Export control regulations govern the export of certain products, software, and technology to foreign countries. These regulations are designed to prevent the proliferation of weapons of mass destruction and to protect national security interests. Manufacturers and suppliers of products that are subject to export control regulations must comply with these regulations, including obtaining any necessary licenses or approvals before exporting the product.

Government End Users:

Government end user provisions are included in software and technology products that are sold to government agencies. These provisions typically include specific terms and conditions that apply to government users, such as restrictions on use or disclosure of the product. Government end user provisions also typically include language that limits the liability of the manufacturer/supplier and specifies that the product is provided with restricted rights.

LiveMix 8FX