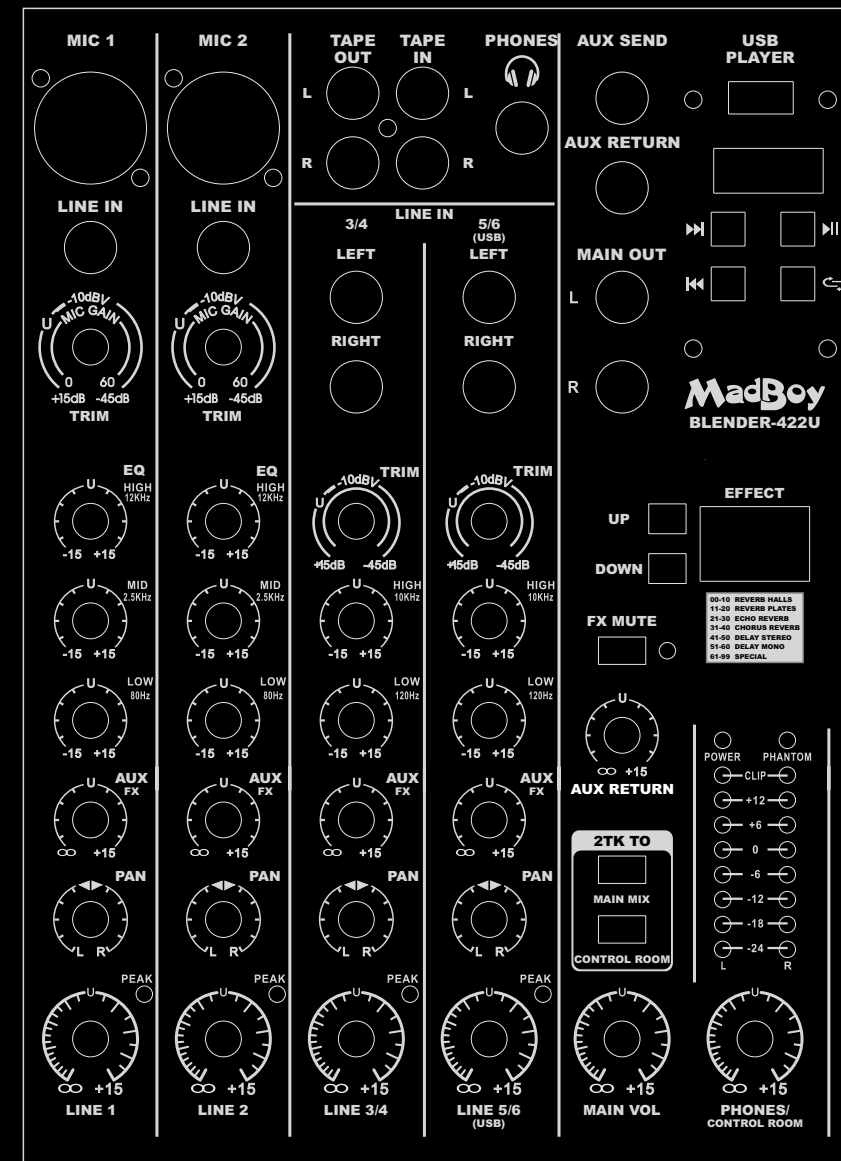


MadBoy®

BLENDER-422U 4-CHANNEL MIXER WITH USB AUDIO PLAYER & DSP EFFECTS



OWNER'S MANUAL

SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of electrical shock, do not remove the cover (or back). No user serviceable parts inside; refer servicing to qualified personnel.



WARNING: To reduce the risk of fire or electrical shock, do not expose this appliance to rain or moisture.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure- voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to the important operating and maintenance instructions in the accompanying literature. Read the manual.

DETAILED SAFETY INSTRUCTIONS:

All the safety and operation instructions should be read before the appliance is operated.

Retain Instructions:

The safety and operating instructions should be retained for future reference.

Heed Warnings:

All warnings on the appliance and in the operating instructions should be adhered to.

Follow instructions:

All operation and user instructions should be followed.

Water and Moisture:

The appliance should not be used near water (e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool etc.).

Ventilation:

The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

Heat:

The appliance should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.

Power Source:

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

Grounding or Polarization:

Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

Power-Cord Protection:

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles and the point where they exit from the appliance.

Cleaning:

Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Non-use Periods:

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

Object and Liquid Entry:

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Damage Requiring Service:

The appliance should be serviced by qualified service personnel when:

- the power supply cord or the plug has been damaged; or
- objects have fallen, or liquid has been spilled into the appliance or
- the appliance has been exposed to rain; or
- the appliance does not appear to operate normally or exhibits a marked change in performance; or
- the appliance has been dropped, or the enclosure damaged.

Servicing:

The user should not attempt to service the appliance beyond that which is described in the Operating Instructions. All other servicing should be referred to qualified service personnel.

BLENDER-422U 4-channel Mixer with USB audio player & DSP effects

- ▲ 4-channel mixing console with two stereo channels and a separate stereo aux channel
- ▲ Separate input JACK controls for mix and line inputs for all stereo channels
- ▲ XLR mic connectors on all mono channels
- ▲ Low-noise, discrete mic preamplifiers on all microphone inputs
- ▲ Dedicated inserts on all mono channels
- ▲ Balanced 1/4" stereo jack and RCA-connectors for stereo channels
- ▲ Balance controls on all stereo channels
- ▲ Separate stereo AUX channel with 1/4" and RCA jacks
- ▲ Stereo output for recording applications
- ▲ 3-band EQ on all channels
- ▲ AUX and effects paths as well as separate gain controls on all channels
- ▲ High-grade-sealed faders and potentiometers
- ▲ Insert option for external effects devices
- ▲ AUX Send and EFX Send controls in the main section for optimal level adjustment
- ▲ Headphones output with dedicated volume control
- ▲ USB Audio player for playing your audio files (MP3)
- ▲ Built-in +48V phantom power for condenser mics


1. INTRODUCTION

Congratulations! The mixer you have purchased is state-of-the-art 4-channel mixing console, that sets new standards. Our prime goal when developing the machine was to design a console, that can be used for a great variety of applications. And to give you maximum flexibility.

In combination with its comprehensive range of features and pro-level connections, the machine will be your perfect tool for any kind of application: broadcasting, video dubbing or giving the sound of your band, its finishing touch.

1.1 Before you begin

Your mixer was carefully packed in the factory and the packaging is designed to protect the unit from rough handling. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage, which may have occurred during transit.


 **If the unit is damaged, please do not return it to our company, but notify your dealer and the shipping company immediately, otherwise claims for damage or replacement may not be granted. Shipping claims must be made by the consignee.**

Be sure that there is enough space around the unit for cooling and please do not place the machine on to high-temperature devices such as radiators, etc to avoid overheating.

1.2 Control elements

1.2.1 Interface panel

1 Use this balanced XLR jack to connect a microphone to the mixer (applies to channels 1 through 2)

 **The phantom power required for condenser mics can be activated with switch **23** .**

2 Channels 1 through 2 feature an additional **LINE** input on a balanced 1/4" jack. These are the two balanced **LINE** inputs on 1/4 jacks for the left and right sides of the stereo channels, which can be used in parallel to the microphone inputs.

3 The **GAIN MIC** control determines the channels input gain, both for a microphone connected via the **XLR** jack and for other signal sources connected to the 1/4 jack.

4 Your mixer comes with a 3-band equalizer. the **HI** control governs the high frequency range, the **MID** control can be used to boost/cut the midrange frequencies, and the **LOW** control allows you to raise or lower the gain of the bass range.

Use the **AUX/FX** control to determine the channel/FX volume sent to the **AUX** mix bus. When set fully to the left, the channel volume in the **AUX** mix is zero.

6 Use the **PAN** control to adjust the signal position on the stereo basis.

7 The **LINE** control adjusts the volume of the corresponding line.

8 Use the **MAIN MIX** control to set the overall volume level of your mixer.

9 The **PHONES/CONTROL ROOM** control governs the headphones/control room volume.

10 The **2TK TO** switch, signals sent to the **CONTROL ROOM** or the **MAIN**.

11 The **AUX RETURN** adjusts the signal level sent from the AUX RETURN or the internal digital effect unit, to the **MAIN**.

12 The **POWER LED** will be turned on when power is switched ON.

13 The **FX MUTE** switch is for internal DSP-effect ON or OFF.

14 The **DIGITAL MULTI EFFECTS**

Press **UP** or **DOWN** to change the reverb type to one of the following :

01-10 reverb halls	11-20 reverb plates
21-30 echo/reverb	31-40 chorus1
41-50 stereo delay	51-60 mono delay
61-70 special reverb halls	71-80 special plates
81-90 special delay mono	91-99 special doubling

15 These are the balanced 1/4' jack **MAIN OUTPUTS** of your mixer that can be used to drive, e.g.a power amplifier.

16 The **USB Audio Player** is for playing your audio (MP3) files from USB

▶▶ PLAY/PAUSE — The button is for play or pause the tracks in your USB.

▶▶ ◀◀ NEXT/PREVIOUS— The button is for choosing the previous track and next track.

↻ REPEAT — The button is for repeat function.

17 The **AUX SEND** and **AUX RETURN** connectors provides monitor signal for your mixer, for example, to control monitor amplifier or active speaker.

18 Use the **PHONES** jack to connect a commercially available pair of headphones.

19 **TAPE IN** jacks allows you to connect play-back devices such as CD player etc.

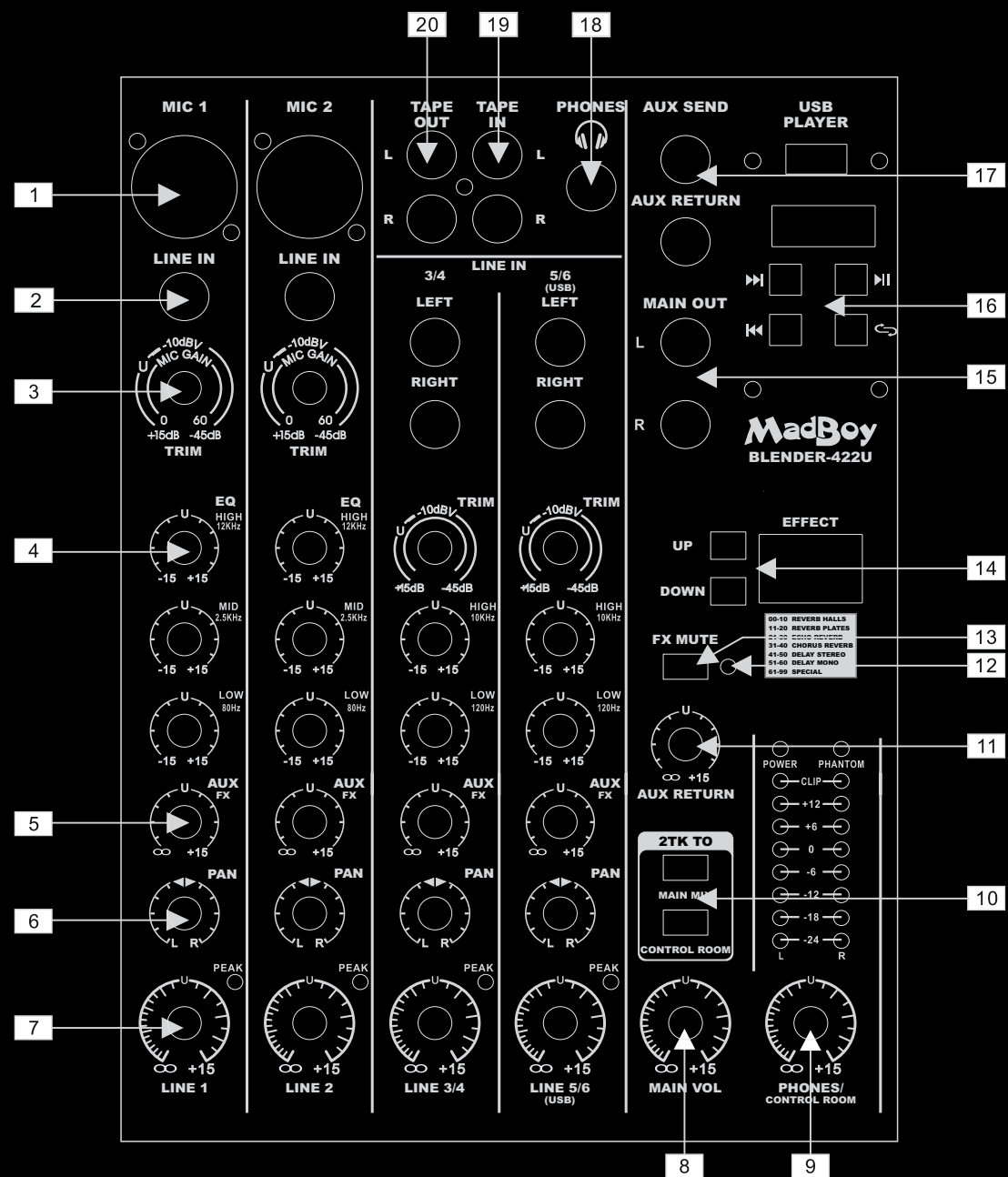
20 Use **TAPE OUT** to record your mixing to your external recorder.

21 The power switch.

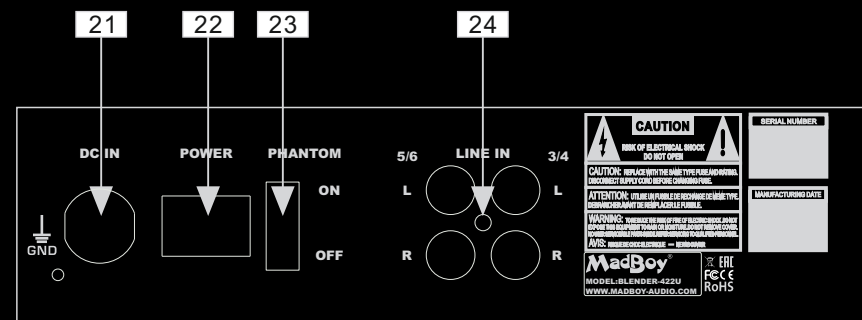
22 The power jack.

23 The phantom power switch.

24 The **STEREO (RCA) 3/4 & 5/6 LINE INPUTS** allows you to connect devices such as CD player, mobile phone etc. via RCA cable.



BACK OF THE MIXER



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SPECIFICATIONS

INPUT CHANNELS 1 through 5

Mic input	electronically balanced, discrete input configuration
Frequency response	10 Hz to 200kHz
Gain range	+14 dB to +60 dB
SNR	120 dB E.I.N.
Line input	Electronically balanced
Frequency response	10 Hz to 130 kHz
Gain range	-6 dB to +38 dB
SNR	95 dB E.I.N.

STEREO CHANNELS

Frequency response	10 Hz to 70 kHz
Gain range	Line: -8 to +15 dB / Mic: +13 to +60 dB
SNR	Line: 96 dB / Mic: 104 dB E.I.N.

EQUILIZATION

LOW	80 Hz, +/- 15 dB
MID	2.5 kHz, +/- 15dB
HI	12 kHz, +/- 15 dB

MAIN MIX

Main Outputs	+28 dBu balanced / +22 dBu unbalanced
AUX Send	+22 dBu unbalanced
EFF Send	+22 dBu unbalanced
Audio Out	+22 dBu unbalanced
Phones Output	+15 dBu / 150

PHYSICAL

USA/Canada 120 V~, 60 Hz,
 U.K./Australia 240 V~, 50 Hz
 Europe 230 V~, 50 Hz,
 Japan 100 V~, 50 - 60 Hz,
 China 220 V~, 50 -60 Hz,

Dimensions(H X W X D)mm

6 channel 210 X 250 X 72

Weight

6 channel 3.0 Kg

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