

# MadBoy®

## BLENDER-642U

6-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 wadded 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:

The appliance should be cleaned only as recommended by the manufacturer.

#### 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.

## 6-CHANNEL MIXER WITH USB AUDIO PLAYER & DSP EFFECTS

- ▲ 6~8 -channel mixing console with two stereo channels and a separate stereo tape channel
- ▲ Separate input JACK controls for mix and line inputs on all mono 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 jacks and balance controls on all stereo channels
- ▲ Separate stereo tape channel with 1/4" and RCA jacks
- ▲ Stereo output for recording applications
- ▲ English music as active 3-band EQ on all mono channels
- ▲ 2-band EQ on stereo channels
- ▲ AUX and effects paths as well as separate gain controls on all channels
- ▲ AUX Send controls in the main section for optimal level adjustment
- ▲ Headphones output with dedicated volume control
- ▲ Built-in +48V phantom power for condenser mics
- ▲ 16 DSP Digital Multi Effects (Optional 99 DSP Digital Multi Effects)


## 1. INTRODUCTION

Congratulations! With the machine you have purchased a state-of-the-art 6-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 machine 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 high-temperature devices such as radiators, etc to avoid overheating.


### 1.2 Control elements


 1 Use this balanced XLR jack to connect a microphone to the machine (applies to channels 1 through 4)


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


 2 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 machine 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.

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


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


 7 The **CHANNEL** control adjusts the volume of the corresponding channel


 8 Use the **MASTER** control to set the overall volume level of your machine.


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
 9 The **PHONES** control governs the headphones 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 start working

 13 The **MUTE** switches the internal effect on or off

 14 The digital multi effects (**FX**)

Press the key stroke **UP** and **DOWN**, you will get the perfect never berative effect you need. These functions can be turned up many kinds of effective posture.

01-12.3ms      09-110.6ms

02-24.6ms      10-122.9ms

03-36.9ms      11-135.2ms


04-49.2ms      12-147.5ms


05-61.4ms      13-159.7ms


06-73.7ms      14-172.0ms


07-86.0ms      15-184.3ms


08-98.3ms      16-196.6ms


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


 16 Connect the **RETURN** connector to the input of an external effects device.


 17 **MP3** Input and Playback


 **PLAY/PAUSE** — The button is for play or pause the tracks in your USB. Press this button to play, LED lights.


 **NEXT/PLUS** — The button is for choosing the previous track and next track.

 **REPEAT** — The button is for repeat. Press this button to replay, LED lights.

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

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

 20 The **TAPE IN** jacks (on stereo RCA) allow for the connection of play-back devices such as CD players, etc.

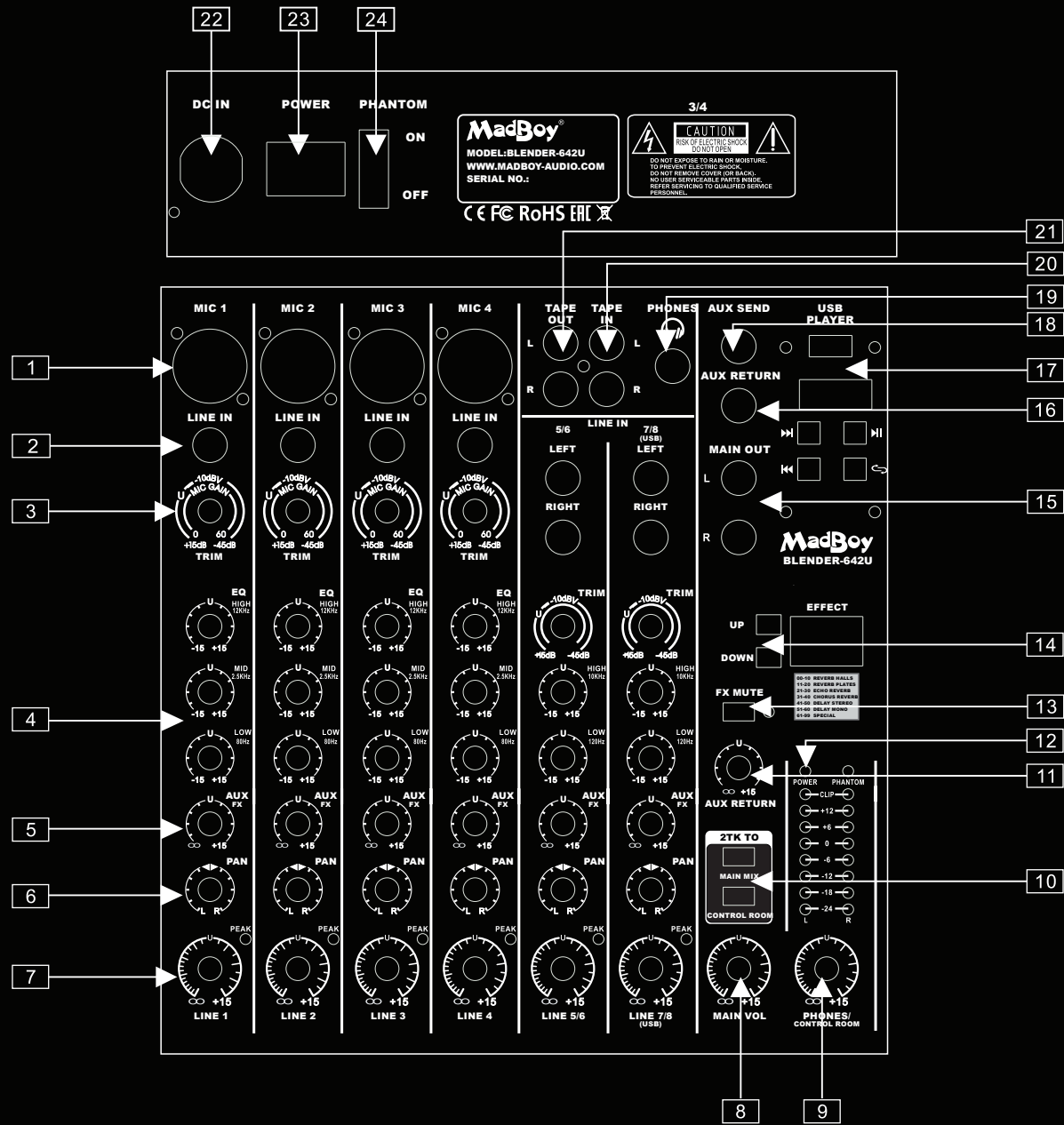
 21 Use the **TAPE OUT** jacks to connect, for example, a tape deck for recording applications.

 22 THE **POWER** Connector.

 23 THE **POWER JACK**.

 24 THE **PHANTOM POWER** SWITCH.

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## 4. SPECIFICATIONS

### INPUT CHANNELS 1 THROUGH 8

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
Tape 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(DX W X H)mm

6 channel	210 X 250 X 72
8 channel	260 X 250 X 72

### Weight

6 channel	3.0Kg
8 channel	3.5Kg

Note:

Our product is improving. When the external form and parameter changes, please refer to the material object. We will not inform you especially.