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BLASTKING ULTRAMIX-8USBII 8 Channel Analog Stereo Mixing Console

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Contents

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BLASTKING ULTRAMIX-8USBII 8-Channel Analog Stereo Mixing Console

Product Information

Specifications

- **Product:** BLASTKING ULTRAMIX-8USB II 8 Channel Mixer
- **Model:** ULTRAMIX Series Mixer
- **Channels:** 8
- **Input Connectors:** Balanced XLR, 1/4″ Jack
- **Phantom Power**: Available for condenser mics
- **Filters:** LOW-CUT, HIGH and LOW shelving filters, MID peak filter
- **Effects Sends**: Mono with up to +10 dB gain
- **PAN Control**: Constant-power characteristic
- **LED Indicators**: PK LEDs for signal level monitoring

Product Usage Instructions

Connecting Microphones and Line Inputs

Use the balanced XLR jack for microphones and the balanced 1/4″ jack for line inputs. Activate phantom power if using condenser mics.

Adjusting Input Gain and Filters

Set the GAIN control appropriately and utilize the LOW-CUT filter to eliminate low-frequency signals. Adjust the HIGH, LOW, and MID filters as needed.

Utilizing Effects Sends and PAN Control

Send signals via EFF sends, adjust PAN control for stereo image positioning, and monitor signal levels using PK LEDs.

Managing Line Inputs and AUX Returns

Utilize line-level inputs for stereo channels and AUX RETURN connectors for external effects devices or additional inputs.

FAQ

- **Q: How do I activate phantom power for condenser mics?**
    - **A**: Use the PHANTOM switch located near the MIC input to activate phantom power for condenser microphones.
- **Q: What should I do if the PK LEDs illuminate?**
    - **A**: If the PK LEDs light up, indicating high input signal levels, adjust the GAIN control to reduce the preamp level until the LEDs do not light up anymore to avoid distortion.
- **Q: Can I use the AUX RETURN connectors as additional inputs?**
    - **A**: Yes, you can use the STEREO AUX RETURN connectors as additional inputs, but note that any effects device will have to be routed back into the console via a normal stereo channel.

FEATURES

- 8 Ultra-Low-Noise Channels
- High Precision 3 Band EQ (80Hz, 2.5kHz, 12kHz)
- Sealed Rotary Controls Resist Dust and Grime
- Delay FX with Adjustable Delay Time
- Built-in Bluetooth Interface
- PC/MAC Interface
- 2 Combo Inputs XLR – 1/4"
- Stereo Record RCA Outputs
- 2 Tracks in RCA Connectors
- Stereo Headphone Output
- Control Room Stereo Output
- +48V Phantom Power
- Slim and Lightweight Design
- Multi-Voltage Power Supply
- High-Quality Components
- 2-Year Warranty
- Designed in the U.S.A

FRONT PANEL FUNCTION INDICATOR DIAGRAM
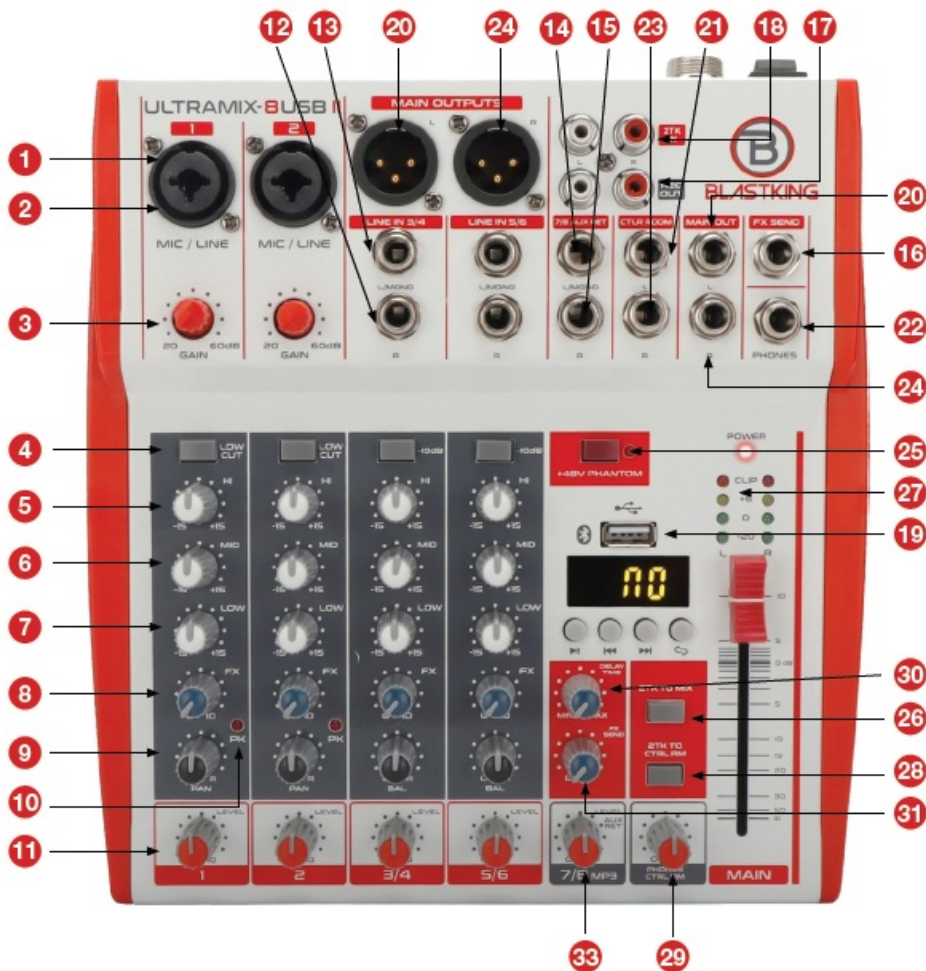
FRONT PANEL DESCRIPTIONS

- **1**. MIC Use this balanced XLR jack to connect a microphone to the mixer.
- The phantom power required for condenser mics con be activated with the PHANTOM switch
- **2**. Channels 1 feature an additional LINE input on a balanced 1/4" jack.
- **3** . Use the GAIN control to adjust the input gain. This control should always be turned fully counterclockwise whenever you connect or disconnect a signal source to one of the inputs.
- **4** .In addition, the mono channels are equipped with a steep LOW-CUT filter (slope at 18 dB/Oct, -3 dB at 75 Hz) designed to eliminate unwanted low-frequency signal components.
- **6. 7**. The upper (HIGH) and the lower band (LOW) are shelving filters that increase or decrease all frequencies above or below their cut-off frequency. The cut-off frequencies of the upper and lower bands are 12 kHz and 80 Hz respectively. The MID band is configured as a peak filter with a center frequency of 2.5 kHz.
- **8**. EFF sends enable you to feed signals via a variable control from one or more channels and sum these signals to a bus. The bus appears at the console's EFF sent to output and can be fed from there to an external effects device. The return from the effects unit is then brought back into the console on the stereo channels. Each
- EFF send is mono and features up to +10 dB gain.
- **9**. The PAN control determines the position of the channel signal within the stereo image. This control features a constant-power characteristic, which means the signal is always maintained at a constant level, irrespective of position in the stereo panorama.
- **10**. The PK LEDs of the mono channels illuminate when the input signal is driven too high, which could cause distortion. If this happens, use the GAIN control to reduce the preamp level until the LED does not light

anymore.

- 11. The LEVEL control determines the level of the channel signal in the main mix.
- **12. 13**. LINE IN Each stereo channel has two balanced line level inputs on 1/4" jacks for left (L/MONO) and right (R) channels. If you use only the (L/MONO) jack, the same sound is output from both the Left and right speakers.
- **14. 15**. 7/8AUX RET the STEREO AUX RETURN connectors are used to bring the output of the external effects device (whose input is derived from the aux sends) back into the console. You can instead use these connectors as additional inputs, but any effects device will then have to be brought back into the console via a normal stereo channel. This does, however, give you the ability to use the channel EQ on the effects return signal if you wish.
- **16.** The EFF SEND control adjusts the volume level of the EFF signal provided at connector EFF SEND. 17. REC OUT These connectors are wired in parallel with the MAIN OUT and carry the main mix signal (unbalanced). Connect the 2-TRACK OUTPUT to the inputs of your recording device. The output level is adjusted via the high-precision MAIN MIX fader or rotary control.
- **18.** 2TK RET The 2-TRACK INPUTS are used to bring an external signal source (e.g., CD player, tape deck, Etc.) into the console.

- **19.** USB Jack
- Play/Pause switch. Long press this key until the indicator flashes. Then turn on the phone Bluetooth, search until the phone shows the Bluetooth link of the mixer, join the link until the connection is successful.
- Vol+/Next Press once to key is play song skip to next song. Press and hold it volume up.
- Vol-/Prev Press once to key is play song skip to previous song. Press and hold it volume down.
- **20. 24**. The MAIN OUT connectors are unbalanced and balanced jacks. The main mix signal appears here at a Level of 0dBu. The MAIN MIX fader adjusts the volume of these outputs.
- **21. 23**. The unbalanced CTRL ROOM OUT jacks carry the summed effects and main mix signals, as well as all channel signals.
- The PHONES/CTRL RM control adjusts the level of both headphones and main monitor Outputs.
- **22.** Use the PHONES jack to connect a commercially available pair of headphones.
- **25.** The red +48V LED lights up when phantom power is on. The PHANTOM switch activates the phan-tom power supply on the XLR connectors of all mono channels.
- **26.** When the 2TK TO MIX switch is depressed, the 2-track input is assigned to the main mix providing an additional input for tape machines, MIDI instruments or other signal sources that do not require any Processing.
- **27**. Level indicator The high-precision 4-segment display accurately displays the relevant signal level.
- **28**. Press the 2TK TO CTRL RM switch if you want to monitor the 2-track input via the CTRL ROOM OUT. This provides an easy way to monitor signals coming back from tape to ensure that they are recording correctly.
- **29.** The PHONES/CTRL RM control adjusts the level of both headphones and CTRL RM outputs.
- **30**. The DELAY TIME is used for adjusting the time interval of echo repeat. The middle position (5) may be most effective.
- **31.** The EFF control adjusts the effects volume for the corresponding channel.
- **32.** Use the MAIN fader to set the overall volume level of your machine.
- **33**. The 7/BAUX RET control determines the level of the 7/BAUX RET JACK channel signal in the main mix.

TECHNICAL SPECIFICATIONS

- **Common mode rejection S/N Ratio** :- 80 dBu
- **S/N Ratio :** -82dB
- **Frequency response:** +/-0.5dB 20Hz-20KHz
- **THD**: less than <0.03%@1KHz

Input Level

- **MIC input**/ +60dBu
- **LINE input**/ +30dB
- **Stereo input**/ +20dBu
- **Headphones output (200Ω)**/ 300mW

Equalization

- **Hi** / ± 15 dB @ 12 kHz
- **Low**/ ± 15 dB @ 80 Hz

PHYSICAL DIMENSIONS AND WEIGHT

	Weight	Dimension (WxHxL)
ULTRAMIX-8USBII	2.8 Lbs / 1.25 kg	9" x 2" x 9.5" / 22.8 x 5 x 24.1 cm

PACKAGE DIMENSIONS AND WEIGHT

	Weight	Dimension (WxHxL)
ULTRAMIX-8USBII	5 Lbs / 2.3 kg	12" x 4" x 12" / 30.4 x 10.1 x 30.4 cm

Thank you for the purchase of your BLASTKING ULTRAMIX Series Mixer. We know you have a world full of choices and we thank you for selecting us.

Please read this entire user manual before operating this unit BlastKing® products purchased in the USA are protected under the regular manufacturer's warranty. The Ultramix series comes with a 2 year warranty. This warranty is intended to protect customers from any and all manufacturer defects from two years of purchase. The product will be replaced or repaired at the manufacturer's discretion upon receipt of the warranted unit along with a dated proof of purchase from an authorized dealer or distributor. This warranty becomes null and void under situations including but not limited to misusage, normal wear and tear, shipping damage and abuse.For international purchases, please contact your local dealer or sales associate for further warranty information.

FCC STATEMENT

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 the 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 technician for help.

CAUTIONS

- All operating instructions should be read before using this equipment.
- To reduce risk of electrical shock, do not open the unit. There are NO USER OR SERVICEABLE PARTS INSIDE. Please refer servicing to a qualified service technician. Opening the unit without the manufacturer's authorization will void the warranty.
- Do not expose this unit to direct sunlight or a heat source such as a radiator or stove.
- Dust, dirt, and debris can interfere with the performance of this unit. Make an effort to keep this unit away from dusty, dirty environments, and cover the unit when it is not in use. Dust it regularly with a soft clean brush.
- DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
- DO NOT USE ANY SPRAY CLEANER OR LUBRICANT ON ANY CONTROLS OR SWITCHES.

For warranty please register this product online at **http://blastking.com/product-registration/**

This manual does not contain all the information about the design, production and changes of the equipment, and does not cover all the conditions that may occur
during installation, use, and maintenance. The information provided in this manual is accurate at the time of delivery. It may have changed due to product updates.

CONTACTS

- **blastking.com**
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Documents / Resources

	BLASTKING ULTRAMIX-8USBII 8 Channel Analog Stereo Mixing Console [pdf] User Manual ULTRAMIX-8USBII 8 Channel Analog Stereo Mixing Console, ULTRAMIX-8USBII, 8 Channel Analog Stereo Mixing Console, Analog Stereo Mixing Console, Stereo Mixing Console, Mixing Console

References

- Ⓑ **Blastking**
- Ⓑ **Product Registration – Blastking**
- **User Manual**