



RockMix 2BT

2-CHANNEL PRO RECORDING MIXER w/USB INTERFACE, EQ, and BLUETOOTH

OWNER'S MANUAL



Scan the **QR code** for essential information, guides (video and/or written), and tips to make the most out of your purchase.

If you prefer written instructions, please read ahead!

With Rockville you get many options.

Thank you for purchasing the Rockville RockMix 2BT Please read the owner's manual carefully for proper use of your Rockville RockMix 2. Should you need assistance, please call our technical help line at 1-646-758-0144.

Includes

- Mixer with USB recording interface
- USB cable
- USB Power adapter
- 4 Non-slip rubber pads
- Owner's manual

IMPORTANT SAFETY INSTRUCTIONS



NO USER-SERVICEABLE PARTS INSIDE; REFER SERVICE TO THE ROCKVILLE SERVICE CENTER

Retain these safety and operating instructions for future reference. Heed all warnings printed here and on the equipment. Follow the operating instructions printed in this owner's manual.

- **Power sources:** Only connect the unit to mains power of the type described in this user guide or marked on the rear panel.
- **Moisture:** To reduce the risk of fire or electrical shock, do not expose the unit to rain or moisture or use in damp or wet conditions. Do not place containers of liquid on it as they may spill into any openings.
- **Heat:** Do not locate the unit in a place close to excessive heat or direct sunlight, as this could be a fire hazard. Locate the unit away from any equipment that produces heat such as power supplies, power amplifiers, and heaters.
- **Environment:** Protect from excessive dirt, dust, heat, and vibration when operating and storing. Avoid tobacco ash, drink spillage, and smoke, especially that associated with smoke machines.
- **Handling:** Protect the controls from damage during transit. Use adequate padding if you need to ship the unit. To avoid injury to yourself or damage to the equipment, take care when lifting, moving, or carrying the unit.
- **Servicing:** Switch off the equipment and unplug the power cord immediately if it is exposed to moisture or spilled liquid, the power cord or plug becomes damaged during a lightning storm, or if smoke odor or noise is noted. Refer servicing to qualified technical personnel only.

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1. CH1 mic/line input: This XLR/1/4" combo input accepts XLR-type connectors for mics and 1/4" for line-level input.
2. CH2 mic/line input: This XLR/1/4" combo input accepts XLR-type connectors for mics/guitar and 1/4" for line-level input.
3. +48 Phantom and LED indicator (applies to CH1 and CH2): press this button to activate phantom power when using a condenser microphone. The LED indicator will light when phantom power is on.
4. **Channel 1**
 - a. Gain: Adjusts gain based on the type of equipment connected to the channel. For line-level devices, use the LOW setting (button pressed). For microphones, use the HIGH setting (button depressed). Please note, turn level knob to minimum before toggling the GAIN switch on and off, otherwise, you may hear noise.
 - b. High shelf tone control: $\pm 15\text{dB}$
Low shelf tone control: $\pm 15\text{dB}$
 - c. Pan control: changes the volume balance of an audio signal between the left and right output channels.
 - d. Peak LED: indicates when clipping is occurring for this input.
 - e. Level control: adjusts the output volume
5. **Channel 2**
 - f. Gain: Adjusts gain based on the type of equipment connected to the channel. For line-level devices, use the LOW setting (button pressed). For microphones, use the HIGH setting (button depressed). Please note, turn level knob to minimum before toggling the GAIN switch on and off, otherwise, you may hear noise.
 - g. High/Low Z (input impedance) selector: This button sets the input impedance for CHANNEL 2. Press this button when an electric guitar or an electric bass with passive audio pick-up has been connected to the 1/4" jack. Be sure to use an unbalanced cable.
 - h. High tone shelf control: $\pm 15\text{dB}$
Low tone shelf control: $\pm 15\text{dB}$
 - i. Pan control: changes the volume balance of an audio signal between the left and right output channels.
 - j. Peak LED: indicates when clipping is occurring for this input.
 - k. Level control: adjusts the output volume
6. Main Mix control: Used to set the level of the stereo output signal (sum of all inputs) of the MAIN MIX RCA outputs
7. Left/Right Clip LEDs: indicate when the stereo output signal is clipping
8. Monitor control: adjusts the volume of the 3.5mm headphone MONITOR jack
9. USB Playback switch: When the button is depressed you can play audio from the computer and route that to the mixers monitor and main stereo output.

Functions (continued)

10. Power On LED Indicator: will be green indicates that the unit is receiving power
11. Bluetooth w/LED indicator (see page 7)
12. Monitor 3.5mm output: connect headphones with a 3.5mm plug to monitor the signal
13. AUX IN: Input signal from external device directly routed to the MAIN MIX out and MONITOR out. Volume is controlled via the input source only.
14. Main Mix RCA stereo outputs: These jacks are used to send the main mix signal to an amplifier or speakers.
15. Type B USB Port: When connected to a computer, the computer supplies power to the mixer and audio data can be sent between the mixer and the computer.

Operation

Powering the RockMix 2BT

The following directions apply to powering the unit using the included USB power supply. Instructions for powering the unit via a computer or laptop USB port are detailed in the computer operation section.

1. Connect the mixer to the USB power supply using the supplied USB-A to USB-B cable.
2. The mixer will power on and the power indicator LED should be green.

General Settings

Prior to connecting, disconnecting, or powering on, the output controls PHONES MONITOR and MAIN MIX should be turned all the way down. Connect microphones and line-level devices to the balanced CH1 and CH2 XLR/ $\frac{1}{4}$ " combo input jacks.

- Set the EQ and PAN controls to the mid position, disengage the GAIN button, and turn all level controls to MIN.
- When connecting a microphone to the XLR mic in, speak into the microphone and turn up the channel LEVEL control until you obtain a good signal. If the signal is too hot and the PEAK LED lights up, ensure that the channel's GAIN pad is in the down position. If it does not turn off immediately, turn down the channel's LEVEL control until the LED turns off.
- Use the PAN control to place the microphone signal on the stereo mix. Adjust the sound with the high and low tone controls.
- Use the LEVEL controls to mix the input signals of CHANNELS 1 and 2 or to fade them in and out. When a channel is not being used, turn its LEVEL control to MIN.
- Use the MAIN MIX control to adjust the overall volume. However, if the output level of the mixer is too high for the connected output device adjust the signal until the corresponding CLIP LED (number 7, page 5) lights up, then bring the volume down a bit.
- Adjust the headphone volume with the MONITOR level control.

⚠ WARNING: Listening to music at high volume for extended periods of time is not recommended as it may damage your hearing. Over time, your ears will adapt to the volume level, so that a volume level that may not cause discomfort might still damage your hearing.

- Connect microphones to the balanced XLR jacks. When using a condenser microphone, be sure to activate the 48V phantom power feature by pressing the +48V PHANTOM button. Please ensure that the LED indicator above the button is on. Do not connect or disconnect a microphone while phantom power is engaged; it may damage the microphone. To prevent switching noise, only activate or deactivate the phantom power when the mixer is switched off or the output controls are set to 0.
- Connect mono sources with a line-level signal to the unbalanced 1/4" jacks. When connecting musical instruments of high-impedance, such as an electric guitar or electric bass, use the CH2 1/4" jack. Be sure to press the INPUT IMPEDANCE button to activate the instrument impedance function.

Please note, the 3.5mm headphone jack accepts stereo headphones with an impedance ≥ 16 ohms.

Bluetooth Operation

1. Connect the mixer to a power source via the supplied USB-A to USB-B cable. The mixer will power on, automatically enter into pairing mode, and the blue LED will flash quickly. If the mixer is powered on but not in BT mode, press the BT button to enter pairing mode. If the unit does not connect to any device within 1 minute, it will automatically exit pairing mode. To manually exit pairing mode, press and hold the BT button for 3 seconds.
2. Ensure your device is in Bluetooth mode and discoverable. Under list of available devices search for and select RockMix 2BT.
3. Upon successful pairing, the blue LED will stop flashing and remain illuminated. To disconnect a paired device, press and hold the BT button for 4 seconds. The unit will then return to pairing mode.

Computer Operation

When operating the mixer with a computer, use either the audio software supplied with the operating system or third party audio software (DAW). Various programs for audio reproduction/recording are available on the internet free of charge.

1. Start the computer. Connect the RockMix 2BT's USB port to the computer's USB port using the included USB-A to USB-B cable. This will turn on the mixer and the POWER LED indicator will light up green.
2. Depending on the operating system, the computer should recognize the USB interface of the mixer as USB AUDIO CODEX or an external device for audio input/output.
3. For output settings refer to the chart below:

16 bit, 32000 Hz (FM Radio Quality)
16 bit, 44100 Hz (CD Quality)
16 bit, 48000 Hz (DVD Quality)

Computer Operation (continued)

4. For input settings refer to the chart below:

1 Channel	16 bit, 11205 Hz (Dictation Quality)
	16 bit, 16000 Hz (Tape Recorder Quality)
	16 bit, 22050 Hz (AM Radio Quality)
	16 bit, 32000 Hz (FM Radio Quality)
	16 bit, 44100 Hz (CD Quality)
	16 bit, 48000 Hz (DVD Quality)
2 Channel	16 bit, 11205 Hz (Dictation Qualit
	16 bit, 16000 Hz (Tape Recorder Quality)
	16 bit, 22050 Hz (AM Radio Quality)
	16 bit, 32000 Hz (FM Radio Quality)
	16 bit, 44100 Hz (CD Quality)
	16 bit, 48000 Hz (DVD Quality)

Features

- Built-in Bluetooth 5.0 wireless music streaming
- Switchable +48v Phantom Power on both channels for use with condenser microphones
- Channel 1 and Channel 2: XLR and ¼” TRS combo input jacks
- Channel 1 is a microphone channel
- Channel 2: mic/instrument level switchable allowing you to connect a mic, instrument, or any other audio device
- Independent Gain control buttons (high/low)
- Independent Level Controls for Main and Headphone/Monitor Outputs

- Integrated Plug-and-Play USB Audio Interface for Mac & PC
- USB Interface will send the master output in stereo to your DAW so you can record and/or stream your mix
- Operates on USB BUS Power or 5V DC External Power Supply (Included)
- Low power consumption means you can power the mixer from the USB of your laptop or by plugging it into an outlet or through the included standard 5V powerbank
- Super mini 2-channel mixing console designed for home studio recordings or live broadcast streaming
- RCA (L&R) outputs allow you to send the master output to an amplifier, powered speakers, recording device, etc.
- 3.5mm headphone output
- 3.5mm AUX in
- Each channel has a 2-band tone shelf to customize the sound
- Each channel has pan and level controls
- USB playback switch (refer to the computer operation section)
- Monitor/headphone level control knob
- Main mix level control knob
- No external drivers are needed for mac or PC

Specifications

- Sensitivity/impedance:
 - CH1 & CH2 XLR: 2mV/1.8k ohm (gain max)
 - CH1 Jack: 10mV/12k ohm (line)
 - CH2 Jack: 30mV/20k ohm (line), 30mV/240k ohm (guitar)
- Output Level: 5.8V max (main, monitor)
- Frequency Range: 20Hz – 22kHz
- THD: $\leq 0.05\%$
- S/N Ratio: 80dB
- Equalizer Tone Shelf:
 - Bass Range: $\pm 15\text{dB}/80\text{Hz}$
 - High Range: $\pm 15\text{dB}/12\text{kHz}$
- Headphone Usage Impedance: ≥ 16 ohm
- USB Interface: USB1.1 compatible, 16-bit /48kHz max.

Specifications (continued)

- Phantom Power: +48V
- Power Supply: USB 5V 500mA via USB port of a computer, the included USB power adaptor, or via a power bank
- Item Dimensions: 99.06 x 134.62 x 41.91mm/3.9" x 5.3" x 1.65"
- Item Weight: 430.91g/0.95lbs

Troubleshooting

NO POWER:

1. If you are using the computer's USB port for power, make sure the USB cable is properly plugged in.
2. If you are using a power adapter, make sure the USB cable is properly connected to the unit and to the wall socket.

NO SOUND:

1. Make sure the USB cable is properly plugged into the unit as well as the computer's USB port.
2. Make sure that all input cables (XLR, 1/4", and 3.5mm) are properly connected.
3. Check the input GAINS, LEVELS, and MAIN MIX volume to make sure they are properly set.
4. Make sure the computer is set to USB audio codec and the USB PLAYBACK feature is activated if you want to listen to computer playback.

NO SOUND – HEADPHONES:

1. Be sure your headphones are properly plugged in.
2. Check that the MONITOR control and the CH1/CH2 level controls are properly set.

MICROPHONE DOES NOT WORK:

1. Be sure your microphone is properly plugged into the correct port (XLR) and that you are using the appropriate cable type.
2. Make sure the CH1 and CH2 GAIN and LEVEL controls are properly set.
3. If using condenser mics, be sure to use the phantom power feature.

INPUT DISTORTION:

1. Depress the input GAIN button and turn down LEVEL controls.
2. Check your EQ settings.

NOISE/HUM:

1. Make sure you are using good quality audio cables. We recommend Rockville Pro Audio cables.
2. Check the condition of your audio cables.
3. Keep cables away from other AC power cables as well as AC transformers.
4. Ensure that the unit is not too close to amplifiers, lighting power supplies, or ballasts.

FEEDBACK:

1. If a microphone is being used, make sure you are not too close to the speakers or headphones.
2. When recording be sure to turn off the USB Playback feature.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

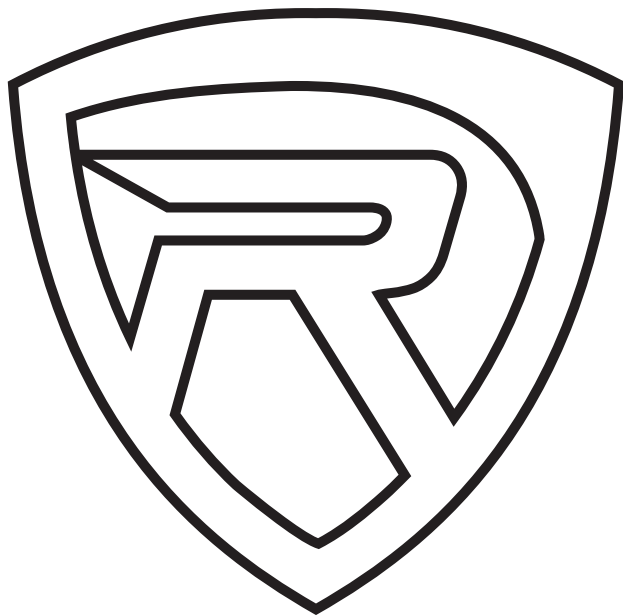
Address: 600 Bayview Ave,
Entrance A,
Inwood, NY 11096

Hereby declares that the product(s) RockMix 2BT complies with FCC rules as mentioned in the following paragraph:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 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 radio/TV technician for help.



RockvilleAudio.com

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