Manuals+ — User Manuals Simplified.

behringer RX1602 Professional Multi-Purpose 16-Input Ultra-Low Noise Line Mixer User Guide

RX1602 Professional Multi-Purpose 16-Input Ultra-Low Noise Line Mixer User Guide

Contents

Important Safety Instructions

⚡ Terminals marked with this symbol carry an electrical current of sufficient magnitude to constitute a risk of electric shock.

Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation or modifications should be performed only by qualified personnel.

⚡ 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 important operating and maintenance instructions in the accompanying literature. Please read the manual.

⚠ **Caution**
To reduce the risk of electric shock, do not remove the top cover (or the rear section).
No user-serviceable parts inside. Refer servicing to qualified personnel.

⚠ **Caution**
To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.

⚠ **Caution**
These service instructions are for use by qualified service personnel only.
To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with a dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for the replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Use only attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with

the apparatus. When a car is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel.

Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.

16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

7. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office or your household waste collection service.

18. Do not install in a confined space, such as a bookcase or similar unit.

19. Do not place naked flame sources, such as lighted candles, on the apparatus.

20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed of at a battery collection point.

21. This apparatus may be used in tropical and moderate climates up to 45°C.
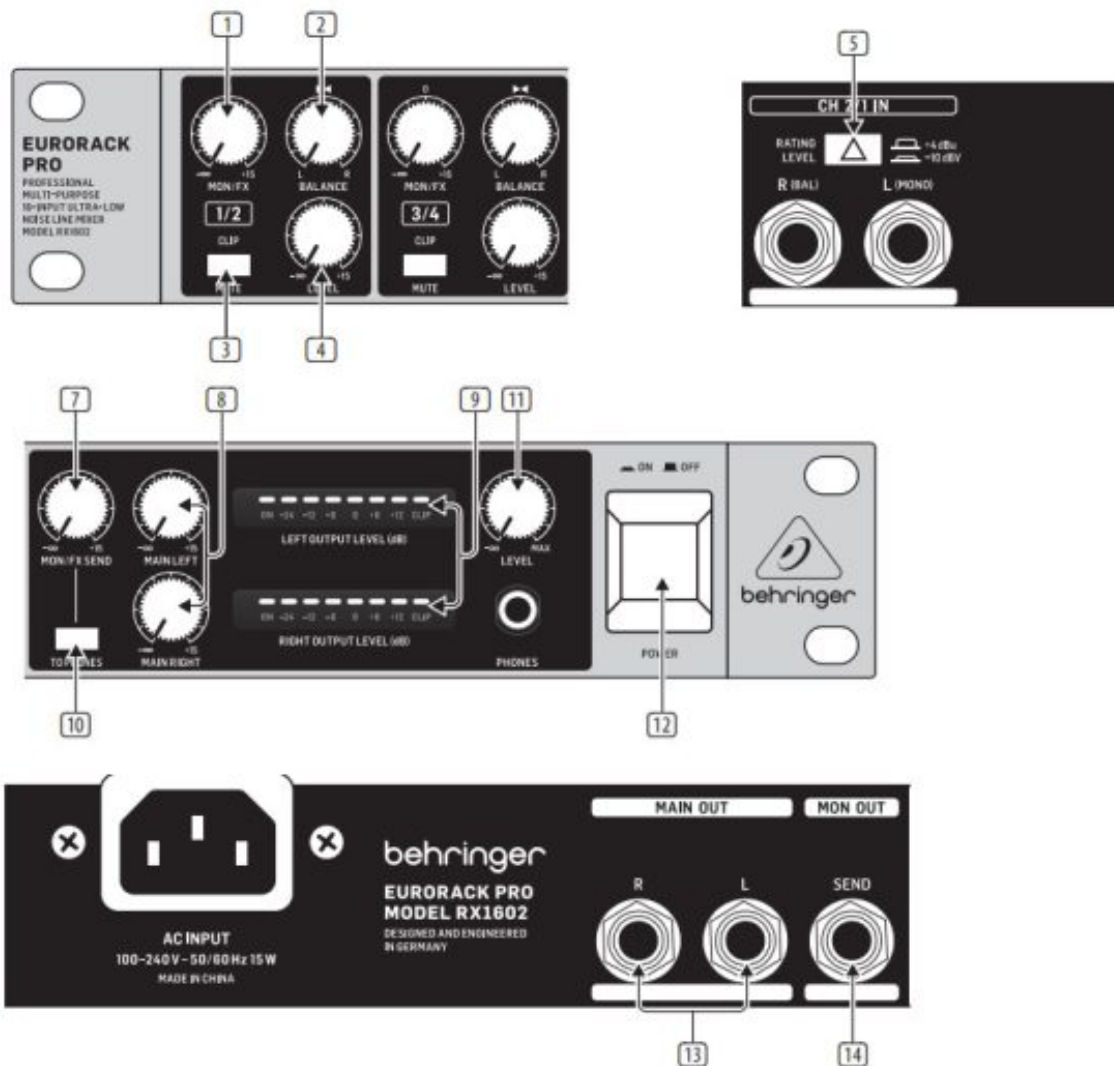
LEGAL DISCLAIMER

LIMITED WARRANTY

EURORACK PRO RX1602 Controls

Controls

1. Use the **MON/FX** control to set the signal level of the respective channel for monitoring or effects purposes. You can take the MON/FX signal at the MON OUT SEND connector (14). The MON/FX SEND control (7) of the main section governs the overall MON/FX SEND signal level.

2. By using the **BALANCE** control, you can set up the position of mono signals in the stereo image, and regulate the ratio of left/right channel signals when processing stereo signals.

3. The **MUTE** switch is used to interrupt the signal path, thus muting the respective channel. When pressed (signal muted) the switch is lit red.

4. To increase or reduce the input signal level, use the **LEVEL** control (increase up to +15 dB, reduce all the way down to -∞).

5. Use the **OPERATING LEVEL** switch located on the rear of your RX1602 to individually adjust each channel to the output signal level of your equipment. When the switch is depressed (-10 dBV), the inputs are more sensitive.

6. These are the inputs of the channel sections on balanced 1/4″ TRS connectors.

7. Use the **MON/FX SEND** control to set the signal level of those signals that are routed to the MON OUT SEND connector (14) for monitoring or effects applications.

8. The left signal portion of the mix created using the LEVEL and BALANCE controls of each channel is set using the **MAIN LEFT** control. The right signal portion of the mix is correspondingly adjusted using the **MAIN RIGHT** control.

9. You can easily get a readout of both channels by observing the highly accurate 7-digit level meters labeled **LEFT OUTPUT LEVEL** and **RIGHT OUTPUT LEVEL.**

10. The **TO PHONE**S switch gives you the option to feed the signals routed to the monitor/effects bus into your headphones for control purposes.

11. The **LEVEL** control in the MAIN section governs the volume level of your headphones.

12. Use the **POWER** switch to power up your RX1602.

13. The **MAIN OUT** connectors come as 1/4″ TRS jacks. The main mix signal (derived from all channels) is present here. You can set the output signal level by using the MAIN LEFT and MAIN RIGHT controls (8) (reducing all the way down to -∞, increasing up to +15 dB).

14. The monitor signal can be taken at the **MON OUT SEND** connector (1/4″ TRS connector).

Specifications

Audio Inputs	
Type	1/4″ TRS connector, electronically balanced
Impedance	10 kΩ balanced or unbalanced
Gain range	-∞ to +15 dB
Operating level	+4 dBu/-10 dBV (switchable)
Maximum input level	+22 dBu
CMRR @ 1 kHz	Typically > 50 dB
Audio Outputs	
Main Out L/R	
Type	1/4″ TRS connector, impedance balanced
Gain range	-∞ to +15 dB
Impedance	240 Ω balanced, 120 Ω unbalanced
Maximum output level	+22 dBu
Mon Out	
Type	1/4″ TRS connector, impedance balanced, mono
Impedance	240 Ω balanced, 120 Ω unbalanced
Max. output level	+22 dBu
Phones Output	
Type	1/4″ TRS connector, stereo
Minimum load impedance	100 Ω
System Specifications	
Bandwidth	20 Hz – 20 kHz ±0.2 dB

Frequency range	10 Hz – 200 kHz, ±3 dB
Signal-to-noise ratio	< -97 dB
THD	0.003% @ +4 dBu, 1 kHz, unity gain
Crosstalk	< -70 dB
Power Supply	
Switch-mode autorangepower supply	100-240 V ~50/60 Hz
Power consumption	15 W
Mains connection	Standard IEC connector
Physical	
Dimensions (H x W x D	44 x 483 x 149 mm (1.7 x 19.0 x 5.9″)
Weight	1.8 kg (4.0 lbs)

Other important information

Important information

1. Register online. Please register your new Music Tribe equipment right after you purchase it by visiting musictribe.com. Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.
2. Malfunction. Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under "Support" at **musictribe.com.**
Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at **usictribe.com.** Alternatively, please submit an online warranty claim at musictribe.com BEFORE returning the product.
3. Power Connections. Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model.
Faulty fuses must be replaced with fuses of the same type and rating without exception.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Behringer
EURORACK PRO RX1602

Responsible Party Name:	**Music Tribe Commercial NV Inc.**
Address:	**122 E. 42nd St.1, 8th Floor NY, NY 10168, United States**
Email Address:	**legal@musictribe.com**

EURORACK PRO RX1602

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.

This equipment 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.

Important information:
Changes or modifications to the equipment not expressly approved by MUSIC Tribe can void the user's authority to use the equipment.
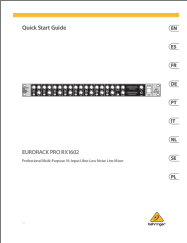
CE

Hereby, Music Tribe declares that this product is in compliance with Directive 2014/35/EU, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/ EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.

Full text of EU DoC is available at **https://community.musictribe.com/**

EU Representative: Music Tribe Brands DK A/S
Address: Gammel Strand 44, DK-1202 København K, Denmark
UK Representative: Music Tribe Brands UK Ltd.
Address: 6 Lloyds Avenue, Unit 4CL London EC3N 3AX, United Kingdom

We Hear You

Documents / Resources

Quick Start Guide [product image]	**behringer RX1602 Professional Multi-Purpose 16-Input Ultra-Low Noise Line Mixer** [pdf] User Guide RX1602 Professional Multi-Purpose 16-Input Ultra-Low Noise Line Mixer, RX1602, Professional Multi-Purpose 16-Input Ultra-Low Noise Line Mixer

References

- ⓜ **Music Tribe**
- ⓜ **Music Tribe**
- ⓜ **Music Tribe**
- ⓜ **Music Tribe**
- ⓜ **Music Tribe**