

Behringer RX1202FX

Behringer RX1202FX V2 12-Channel Analog Mixer with FX

Model: RX1202FX V2 | Brand: Behringer

INTRODUCTION

The Behringer RX1202FX V2 is a premium 12-input microphone/line mixer designed for professional audio applications. This 3U rack-mountable analog mixer offers ultra-low noise operation and versatile connectivity for various audio setups. It features high-quality XENYX microphone preamps, a warm 2-band 'British' EQ on each channel, and a studio-grade 24-bit multi-FX processor with 100 presets including reverb, chorus, flanger, delay, and pitch shifter.

This manual provides essential information for the safe and efficient operation of your RX1202FX V2 mixer. Please read it thoroughly before use and retain it for future reference.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of electric shock, do not expose this appliance to rain or moisture. Do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.

SETUP

1. Unpacking and Inspection

Carefully unpack your RX1202FX V2 mixer. Inspect the unit for any signs of damage that may have occurred during transit. Retain the packaging materials for future shipping or if the unit needs to be returned for service.

2. Rack Mounting

The RX1202FX V2 is designed for standard 19-inch rack mounting, occupying 3U of rack space. Ensure adequate ventilation around the unit to prevent overheating. Do not block the ventilation openings.

3. Power Connection

Connect the supplied power cord to the AC/POWER inlet on the rear panel of the mixer and then to a suitable power outlet. Ensure the voltage matches the requirements specified on the unit. The mixer operates at 120 Volts.

4. Connecting Inputs

The RX1202FX V2 offers 12 input channels:

- **Microphone Inputs (Channels 1-8):** Use balanced XLR cables for connecting microphones. These channels feature XENYX preamps.
- **Line Inputs (Channels 1-12):** Use balanced 1/4" TRS or unbalanced 1/4" TS cables for connecting line-level sources such as keyboards, drum machines, or other audio devices. Channels 9-12 are stereo line inputs.
- **CD/Tape Input:** Connect external playback devices (e.g., CD player, media player) using RCA cables to the CD/TAPE IN jacks.

5. Connecting Outputs

- **Main Outputs:** Connect your main PA system or recording interface to the MAIN OUT (XLR) jacks.
- **Control Room Outputs:** Connect your studio monitors to the CTRL OUT (1/4" TRS) jacks.
- **Headphones Output:** Connect headphones to the PHONES (1/4" TRS) jack for monitoring.
- **Aux Sends:** Use the AUX SENDS (1/4" TS) to send signals to external effects processors or monitor mixes.
- **Aux Returns:** Connect the output of external effects processors to the AUX RETURNS (1/4" TS) jacks.



Image: Rear panel of the Behringer RX1202FX V2 mixer. This view displays the AC power inlet, power switch, main XLR outputs, control room outputs, monitor outputs, CD/Tape inputs and outputs, Aux sends and returns, and the 8 XLR microphone inputs with corresponding 1/4" line inputs and inserts.

OPERATING INSTRUCTIONS

1. Powering On/Off

After all connections are made, press the AC/POWER switch on the rear panel to turn the unit on. Always turn on your mixer before connecting power amplifiers or active speakers, and turn it off after them, to prevent loud thumps.

2. Channel Controls (Channels 1-12)



Image: Front panel of the Behringer RX1202FX V2 mixer. This view highlights the individual channel strips with Gain, High EQ, Low EQ, MON (Monitor) send, FX send, PAN/BAL, and Level faders. The master section with the FX processor display, program knob, FX to Main/MON controls, CD/Tape controls, and Main Mix/Phones level controls is also visible.

- **GAIN:** Adjusts the input sensitivity for the microphone or line input. Use the CLIP LED as a guide; it should flash only occasionally on the loudest peaks.
- **HIGH EQ:** Adjusts the high-frequency content of the channel.
- **LOW EQ:** Adjusts the low-frequency content of the channel.
- **MON (Monitor) Send:** Controls the amount of signal sent to the monitor output. This is pre-fader.
- **FX Send:** Controls the amount of signal sent to the internal effects processor. This is post-fader.
- **PAN/BAL:** Pans the mono signal (channels 1-8) or balances the stereo signal (channels 9-12) across the stereo main mix.
- **LEVEL Fader:** Adjusts the overall output level of the channel to the main mix.
- **CLIP LED:** Illuminates when the input signal is too high, indicating potential distortion. Reduce the GAIN if this LED lights up frequently.

3. Phantom Power (+48V)

For condenser microphones, activate the +48V PHANTOM switch on the rear panel. Ensure microphones are connected before engaging phantom power to prevent damage.

4. FX Processor

The RX1202FX V2 includes a 24-bit multi-effects processor with 100 presets. Use the PROGRAM knob to select the desired effect. The FX TO MAIN and FX TO MON controls in the master section adjust the amount of the effect signal sent to the main mix and monitor mix, respectively.

5. Master Section Controls

- **MAIN MIX Fader:** Controls the overall output level of the main stereo mix.
- **PHONES/CTRL ROOM Level:** Adjusts the output level for the headphones and control room outputs.
- **CD/TAPE TO MAIN/CTRL ROOM:** Buttons to route the CD/Tape input to the main mix or control room/phones output.

MAINTENANCE

Cleaning

Regularly clean the exterior of the mixer with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as they may damage the finish. Keep faders and knobs free from dust and debris.

Storage

When not in use for extended periods, store the mixer in a cool, dry environment, away from direct sunlight and extreme temperatures. If rack-mounted, ensure the rack provides adequate protection from dust and physical impact.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	• Power not connected or switched on. • Main Mix fader or channel fader is down. • Input source not connected or gain too low. • Output cables disconnected or faulty.	• Check power connection and switch. • Raise Main Mix and channel faders. • Verify input connections and increase GAIN. • Check output cables and connected devices.

Problem	Possible Cause	Solution
Distorted sound	• Input GAIN too high (CLIP LED constantly on). • Output level too high. • Faulty cable or input source.	• Reduce input GAIN until CLIP LED flashes only occasionally. • Lower Main Mix or channel faders. • Test with different cables or input sources.
Hum or noise	• Ground loop issue. • Unbalanced cables used for long runs. • Interference from other electronic devices.	• Ensure all equipment is properly grounded. • Use balanced cables (XLR or TRS) where possible. • Move mixer away from power supplies or other noisy equipment.
FX not working	• FX Send knob on channel is down. • FX TO MAIN/MON controls are down. • Incorrect FX program selected.	• Increase FX Send on the desired channel. • Raise FX TO MAIN/MON controls. • Select a different FX program.

SPECIFICATIONS

Feature	Specification
Brand	Behringer
Model Number	RX1202FX
Channels	12
Product Weight	3000 grams
Connectivity Technology	AUX
Power Source	Power Cord Type
Output Connector Type	1/4" TRS (Balanced)
Audio Input	XLR, Line Input
Voltage	120 Volts
Country of Origin	China

WARRANTY

Behringer products, distributed by authorized MUSIC Tribe dealers, include a 3-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to

the warranty information provided with your product or visit the official Behringer website.

SUPPORT

If you encounter issues not covered in the troubleshooting section, or require further assistance, please contact your authorized Behringer dealer or visit the official Behringer support website for up-to-date information, FAQs, and service contact details.