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Roland RUBIX22

Roland Rubix22 USB Audio Interface User Manual

Model: **RUBIX22** | Brand: **Roland**

1. Introduction

The Roland Rubix22 is a 2-in/2-out USB audio interface designed for high-fidelity sound recording and production. It offers support for high-resolution audio up to 24-bit/192kHz, ensuring clear and defined sound with extremely low noise. Its compact and durable metal construction makes it suitable for both studio and portable use. The Rubix22 is compatible with Mac, PC, and iPad, providing versatile connectivity for various music production environments.
This manual provides essential information for setting up, operating, and maintaining your Rubix22 audio interface.



Figure 1.1: The Roland Rubix22 USB Audio Interface. This image displays the compact, black metal casing of the device, with its front panel controls and input/output jacks clearly visible. The Roland logo is prominent on the top surface.

2. Setup and Connections

This section details the steps required to connect your Rubix22 to your computer or iPad and prepare it for use.

2.1 Package Contents

- Rubix22 USB Audio Interface
- USB Cable
- Owner's Manual (this document)

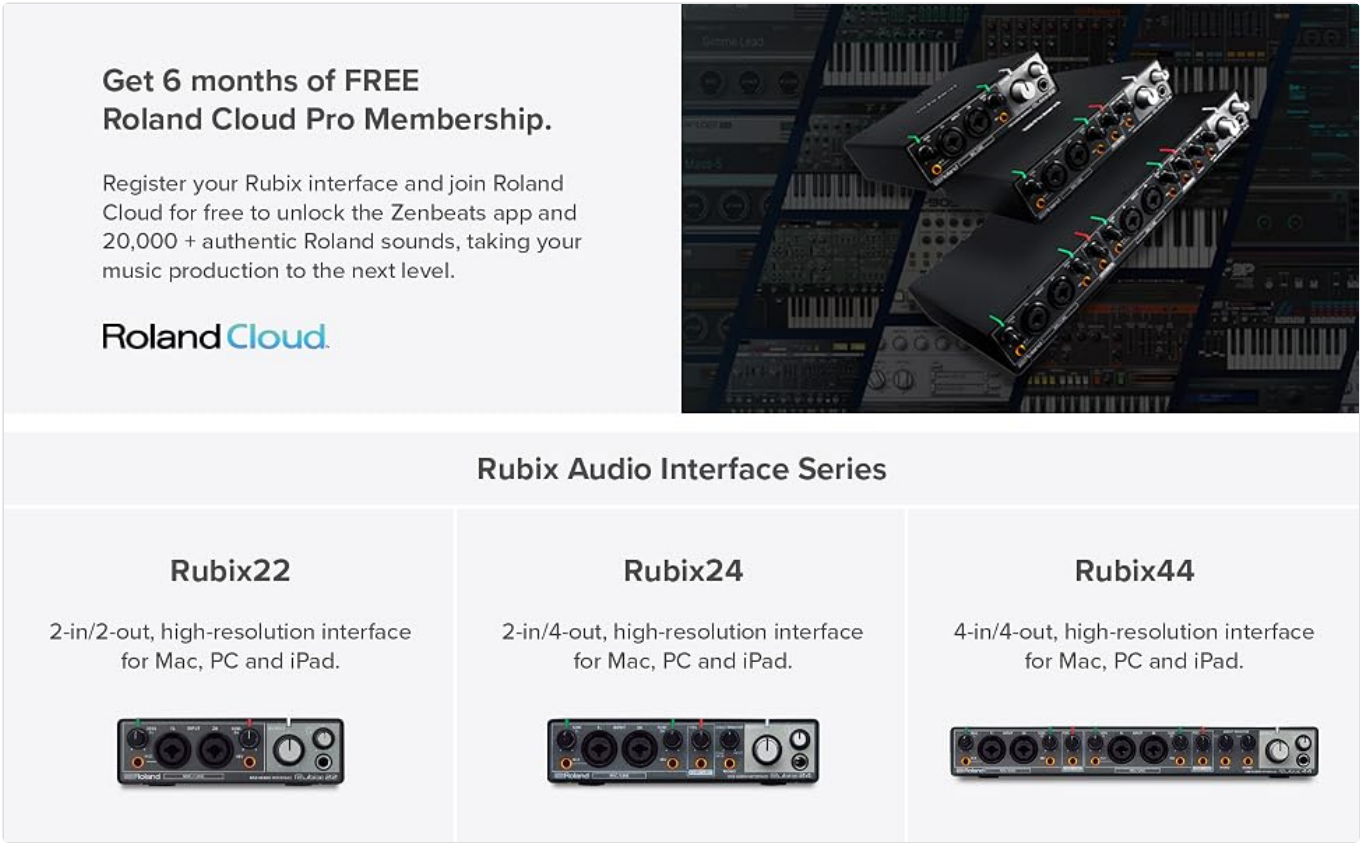


Figure 2.1: Contents of the Rubix22 package, including the interface, USB cable, and owner's manual. The image also illustrates the physical dimensions of the Rubix22: 165 mm (6-1/2 inches) width, 46 mm (1-13/16 inches) height, and 145 mm (5-3/4 inches) depth, with a weight of 1.0 kg (2 lbs 4 oz).

2.2 Driver Installation

- **Mac and iPad:** The Rubix22 is class-compliant for Mac and iPad, meaning no special driver installation is typically required. Connect the device, and your system should recognize it automatically.
- **Windows PC:** For Windows operating systems, it is recommended to download and install the latest drivers from the official Roland website to ensure optimal performance and stability.

2.3 Connecting the Rubix22

1. **Power Connection:** Connect the included USB cable from the Rubix22 to an available USB port on your computer or a powered USB hub. The device can be powered via USB.
2. **Audio Inputs:**
    - Connect microphones to the XLR/TRS combo jacks (INPUT 1L, INPUT 2R).
    - For guitars or other high-impedance instruments, connect to INPUT 1L and activate the **HI-Z** switch.
    - Line-level instruments (keyboards, synthesizers) can be connected to either input using TRS cables.

3. **Audio Outputs:**
    - Connect your studio monitors or speakers to the OUTPUT L and R jacks on the rear panel using TRS cables.
    - Connect headphones to the dedicated headphone jack on the front panel.
4. **MIDI Connections:** If using MIDI devices, connect your MIDI controller's MIDI OUT to the Rubix22's MIDI IN, and your MIDI device's MIDI IN to the Rubix22's MIDI OUT.



Figure 2.2: A diagram illustrating the typical connections for the Roland Rubix22. The front panel shows inputs for guitars, keys, mics, and mixers/monitors, leading to the INPUT 1L and 2R jacks. The rear panel shows the power source, MIDI In/Out, and main outputs. Outputs lead to headphones, speakers, and a computer/tablet.

3. Operating the Rubix22

This section explains the functions of the various controls and indicators on your Rubix22.

3.1 Front Panel Controls



Figure 3.1: Close-up view of the Roland Rubix22 front panel. It features two combo XLR/TRS input jacks (1L and 2R), individual sensitivity (SENS) knobs for each input, a HI-Z switch for input 1L, a 48V phantom power switch for both inputs, an OUTPUT level knob, a HEADPHONE level knob, and a headphone output jack.

- **SENS 1L / SENS 2R Knobs:** Adjust the input sensitivity (gain) for the respective input channels. Turn clockwise to increase gain, counter-clockwise to decrease.
- **HI-Z Switch (Input 1L):** Activates the high-impedance input for connecting electric guitars or basses directly. Ensure this is off for microphones or line-level instruments.
- **48V Switch:** Engages +48V phantom power for condenser microphones connected to both XLR inputs. Ensure this is only used with microphones that require phantom power.
- **INPUT 1L / INPUT 2R Jacks:** Combo jacks that accept both XLR (for microphones) and 1/4-inch TRS/TS (for line-level instruments or Hi-Z instruments).
- **OUTPUT Knob:** Controls the overall output level to your studio monitors connected to the rear panel.
- **HEADPHONE Knob:** Adjusts the volume of the headphone output.
- **HEADPHONE Jack:** 1/4-inch stereo jack for connecting headphones.
- **DIRECT MONITOR Switch:** Allows you to hear your input signals directly through the outputs with zero latency,

bypassing the computer. This is useful for monitoring during recording.

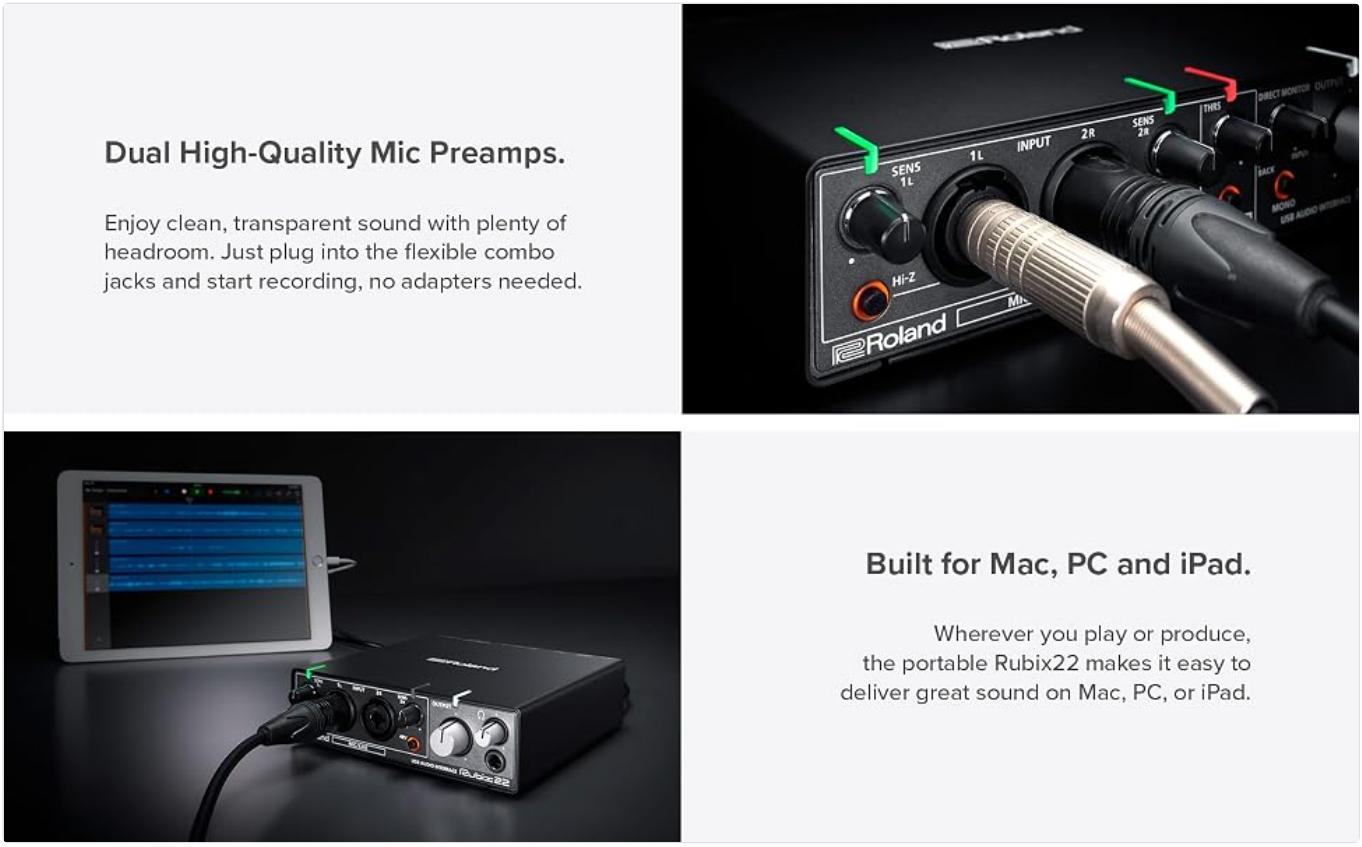


Figure 3.2: A detailed view of the Rubix22's dual high-quality mic preamps. The image shows an XLR cable and a 1/4-inch TRS cable connected to the combo input jacks, demonstrating the flexibility for various audio sources without requiring adapters.

3.2 Rear Panel Connections



Figure 3.3: Rear panel of the Roland Rubix22. It includes a 5V DC power input, a USB port, MIDI IN and MIDI OUT ports, a GROUND LIFT switch, and balanced 1/4-inch TRS OUTPUT L and R jacks.

- **POWER SOURCE (5V DC):** For external power supply if needed, though typically powered via USB.
- **USB Port:** Connects to your computer or iPad for audio and MIDI data transfer, and power.
- **MIDI IN / MIDI OUT:** Standard 5-pin DIN connectors for connecting MIDI devices.
- **GROUND LIFT Switch:** Helps eliminate hum or noise caused by ground loops. If you experience hum, try flipping this switch.
- **OUTPUT L / OUTPUT R Jacks:** Balanced 1/4-inch TRS outputs for connecting to studio monitors or other audio playback systems.

4. Maintenance and Care

Proper care will ensure the longevity and optimal performance of your Rubix22.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid abrasive cleaners, solvents, or waxes.

- **Storage:** Store the unit in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** The Rubix22 features a durable metal construction, but avoid dropping or subjecting it to strong impacts.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating.

5. Troubleshooting

This section addresses common issues you might encounter with your Rubix22.

- **No Sound Output:**
  - Check all cable connections (USB, speakers, headphones).
  - Ensure the Rubix22 is selected as the default audio input/output device in your computer's sound settings or DAW.
  - Verify that the OUTPUT and HEADPHONE knobs are turned up.
  - If using Windows, check for driver installation and ensure audio frequencies (e.g., 44.1 kHz, 48 kHz) are consistent between your DAW and system settings.
- **Input Signal Too Low/High:**
  - Adjust the SENS (sensitivity) knobs for the respective input channels.
  - Ensure the HI-Z switch is correctly set for guitars/basses.
  - Verify 48V phantom power is enabled for condenser microphones.
- **Hum or Noise:**
  - Try engaging the GROUND LIFT switch on the rear panel.
  - Ensure all cables are in good condition and properly shielded.
  - Avoid placing the unit near power supplies or other electrical interference sources.
- **Latency Issues:**
  - Use the DIRECT MONITOR switch to monitor input signals with zero latency.
  - In your DAW settings, reduce the buffer size (this may increase CPU load).
  - Ensure you have the latest drivers installed for Windows.
- **MIDI Not Working:**
  - Check MIDI cable connections.
  - Ensure the Rubix22 MIDI ports are enabled and selected in your DAW's MIDI settings.

6. Specifications

Feature	Detail
Model Number	RUBIX22
Inputs	2 (XLR/TRS Combo Jacks)
Outputs	2 (1/4-inch TRS Balanced), 1 (Headphone)
MIDI I/O	Yes (In/Out)

Feature	Detail
Phantom Power	+48V (switchable)
Hi-Z Input	Yes (Input 1L, switchable)
Audio Resolution	Up to 24-bit/192kHz
Connectivity	USB
Compatible Devices	Personal Computer (Mac, PC), iPad
Dimensions (W x D x H)	165 x 145 x 46 mm (6-1/2 x 5-3/4 x 1-13/16 inches)
Weight	1.0 kg (2.2 pounds)

7. Warranty and Support

For detailed warranty information, product registration, and technical support, please refer to the official Roland website or contact your local Roland distributor. Keep your purchase receipt for warranty claims.

8. Official Product Videos

No official product videos from the seller were found in the provided data that meet the embedding criteria (creator_type: "Seller"). Please refer to the manufacturer's website for any available video resources.

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