

Roland UA-1610

Roland STUDIO-CAPTURE UA-1610 User Manual

Comprehensive guide for the Roland UA-1610 STUDIO-CAPTURE 16-input, 10-output Hi-speed USB Audio Interface.

1. PRODUCT OVERVIEW

The Roland STUDIO-CAPTURE UA-1610 is a high-performance USB 2.0 audio interface designed for professional studio and mobile production environments. It features an extensive array of inputs and outputs, including 12 premium-grade mic preamps, making it suitable for large-scale recording projects.

Key Features

- 16 audio inputs and 10 audio outputs, including 12 premium mic preamps (VS PREAMP).
- 16 XLR / 1/4" TRS combo inputs for versatile connectivity.
- 10 1/4" TRS outputs for flexible monitoring and routing.
- High-performance USB 2.0 audio interface for studio and mobile production.
- VS STREAMING technology delivers ultra-stable, low-latency driver performance for Windows and Mac operating systems.
- 24-bit/192 kHz audio quality for high-resolution recording.
- Comprehensive front-panel metering for easy level monitoring.
- XLR monitor outputs with dedicated level control.
- Dual headphone outputs for multiple monitoring options.



Figure 1: Front Panel of the Roland STUDIO-CAPTURE UA-1610. This image displays the front panel of the Roland STUDIO-CAPTURE UA-1610 audio interface, highlighting its 16 input channels, pre-amp controls, monitor output section, and dual headphone outputs. The central display shows 'STUDIO-CAPTURE Starting...' indicating power-up.

2. SETUP GUIDE

2.1 Unpacking

Carefully remove the STUDIO-CAPTURE UA-1610 from its packaging. Ensure all components, including the unit itself, USB cable, and power adapter, are present. Retain the packaging for future transport or storage.

2.2 Connecting to a Computer

Connect the STUDIO-CAPTURE to your computer using the supplied USB 2.0 cable. Ensure the connection is secure. The device is compatible with personal computers running Windows operating systems and supports all major DAW platforms on Mac or PC.

2.3 Driver Installation

Before connecting the unit, it is recommended to download and install the latest drivers from the official Roland support website. This ensures optimal performance and compatibility with your operating system and digital audio workstation (DAW). Follow the on-screen instructions during the installation process.

2.4 Powering On

Connect the included AC adapter to the DC IN jack on the rear panel of the STUDIO-CAPTURE, then plug the adapter into a power outlet. Press the power button on the unit to turn it on. The display will illuminate, indicating the unit is starting up.

3. OPERATION

3.1 Front Panel Controls

The front panel provides access to all primary controls and inputs. It features 16 combo XLR/TRS inputs, each with dedicated input level meters. Controls for pre-amp settings, including PHASE, LO CUT, 48V phantom power, and AUTO-SENS, are centrally located. The MONITOR OUT section allows for precise control over main monitor levels, while dual headphone outputs offer independent level adjustments.

3.2 Rear Panel Connections

The rear panel houses the 10 1/4" TRS outputs, MIDI IN/OUT ports, and the USB 2.0 port for computer connection. These connections facilitate integration with external studio equipment, MIDI controllers, and your computer system.

3.3 Input/Output Configuration

The STUDIO-CAPTURE offers a total of 16 audio inputs and 10 audio outputs. Inputs 1-12 are equipped with high-quality VS PREAMPS, suitable for microphones and line-level signals. Inputs 1-4 also support Hi-Z for direct instrument connection. The 10 outputs can be configured for various monitoring and routing needs within your DAW or the dedicated control panel software.

3.4 Auto-Sens Feature

The innovative Auto-Sens feature automatically sets optimal input levels for all connected microphones and instruments. To use, activate Auto-Sens, play or sing into your inputs, and the unit will calibrate the gain settings to prevent clipping and ensure proper headroom. This feature is particularly useful for quick setup in live or multi-track recording scenarios.

3.5 Software Control Panel

The STUDIO-CAPTURE comes with a dedicated software control panel that allows for advanced routing, mixing, and effects processing. This software provides a visual interface for managing all aspects of the audio interface, including creating custom monitor mixes, applying built-in effects like reverb and compression, and configuring detailed input/output settings. Refer to the software manual for detailed instructions on its functionalities.

4. MAINTENANCE

4.1 Cleaning

To maintain the appearance and functionality of your STUDIO-CAPTURE, regularly wipe the exterior with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and internal components.

4.2 Storage

When not in use for extended periods, store the STUDIO-CAPTURE in a cool, dry place away from direct sunlight and extreme temperatures. If possible, use the original packaging or a protective case to prevent dust accumulation and physical damage.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

- **No Sound Output:**

- Ensure the STUDIO-CAPTURE is selected as the default audio device in your computer's sound settings and within your DAW.
- Check all cable connections (USB, power, audio outputs).
- Verify monitor and headphone levels on the unit are turned up.
- Confirm that input signals are present and not muted in the software control panel or DAW.

- **Connection Problems / Device Not Recognized:**

- Reinstall the latest drivers from the Roland website.
- Try a different USB port on your computer.
- Ensure the USB cable is not damaged.
- Restart both the STUDIO-CAPTURE and your computer.

- **Audio Dropouts or Lag (Latency):**

- Increase the buffer size in your DAW's audio settings.
- Ensure your computer meets the minimum system requirements for the interface and your DAW.

- Close unnecessary applications running in the background.
- Verify that the latest drivers are installed and functioning correctly.
- Check for any conflicting software or drivers on your system.

- **Input Signal Clipping/Distortion:**

- Reduce the input gain for the affected channel.
- Utilize the Auto-Sens feature to automatically set optimal levels.
- Ensure the connected microphone or instrument is not outputting an excessively hot signal.

If you encounter issues not covered here, consult the comprehensive software manual or visit the official Roland support website for further assistance.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Roland
Model Number	UA-1610
Item Weight	4.2 pounds
Product Dimensions	11.2 x 6.4 x 3.5 inches
Hardware Interface	USB 2.0
Number of Channels	16 (inputs)
Connectivity Technology	USB
Compatible Devices	Personal Computer
Supported Software	Supports all major DAW platforms on Mac or PC
Operating System	Windows (and Mac via drivers)
Date First Available	February 3, 2013

7. WARRANTY AND SUPPORT

For detailed information regarding the product warranty, please refer to the warranty card included with your STUDIO-CAPTURE UA-1610 or visit the official Roland website. Roland provides comprehensive customer support, including driver downloads, FAQs, and contact information for technical assistance. Ensure you register your product to receive updates and support notifications.

Official Roland Support Website: <https://www.roland.com/global/support/>

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I cascade two Roland STUDIO-CAPTURE UA-1610 units together?

To cascade two Roland STUDIO-CAPTURE UA-1610 units for expanded I/O (up to 32 inputs and 20 outputs), you must use the VS STREAMING driver functionality on a computer. While the provided summary manual does...

[Read full answer](#)