

## PreSonus AudioBox 22VSL

# PreSonus AudioBox 22VSL User Manual

24-Bit/96 kHz 2x2 USB 2.0 Audio Interface

## INTRODUCTION

The PreSonus AudioBox 22VSL is a 2-input, 2-output USB 2.0 audio/MIDI interface designed for professional-caliber 24-bit, 96 kHz audio recording. Its rugged, compact design makes it suitable for both home studios and mobile setups. This interface integrates seamlessly with the included PreSonus Studio One Artist DAW and works with most Mac and Windows audio-recording software.

The AudioBox 22VSL features two mic/instrument inputs with PreSonus' Class A XMAX preamps, ensuring high-quality sound capture. It also includes Virtual StudioLive (VSL) control software, which provides real-time effects and processing for monitoring and recording.



Image: Front view of the PreSonus AudioBox 22VSL audio interface, showing the two mic/instrument inputs, gain knobs, 48V phantom power button, main output and headphone level controls, and mixer knob.

## PRODUCT FEATURES

- 24-bit / 96 kHz 2 x 2 USB 2.0 recording interface

- 2 dual-purpose front-panel input channels (mic/instrument)
- Mixer control for blending input signal with computer playback stream for zero-latency monitoring
- Headphone jack with dedicated level control
- Main-output level control
- LED clip indicator for each channel
- PreSonus Studio One Artist digital audio workstation software included
- Virtual StudioLive™ (VSL) control software included
- Equipped with PreSonus Class A XMAX preamps
- Rugged, solid metal chassis for durability

## SETUP

### Unpacking and Initial Inspection

Carefully remove the AudioBox 22VSL and all accessories from its packaging. Verify that all components are present, including the USB cable, quick start guide, and software installation media. Inspect the unit for any signs of damage during shipping.



Image: Included accessories for the PreSonus AudioBox 22VSL, showing the USB cable, rubber feet, quick start guide, and software discs for Studio One Artist and AudioBox VSL.

### Hardware Connections

1. **USB Connection:** Connect the AudioBox 22VSL to an available USB 2.0 port on your computer using the provided USB cable. The device is powered via USB.
2. **Microphone/Instrument Inputs:** Connect your microphones or instruments to the two combo XLR/TRS inputs on the front panel. If using condenser microphones, ensure 48V phantom power is enabled (see Operating Instructions).

3. **Main Outputs:** Connect your studio monitors to the Main Out (L/R) 1/4-inch TRS jacks on the rear panel.
4. **Headphones:** Plug your headphones into the 1/4-inch stereo jack on the front panel.
5. **MIDI Connections:** If using MIDI devices, connect your MIDI controller or other MIDI hardware to the MIDI In and Out ports on the rear panel.



Image: Rear panel of the PreSonus AudioBox 22VSL, displaying the USB 2.0 port, MIDI In/Out ports, Main Out (L/R) TRS jacks, and Phones output.

## Software Installation

Before connecting the AudioBox 22VSL, it is recommended to install the necessary drivers and software. Insert the included PreSonus AudioBox VSL software disc or download the latest drivers and Virtual StudioLive (VSL) software from the official PreSonus website. Follow the on-screen instructions for installation. Once the VSL software is installed, proceed with installing PreSonus Studio One Artist.

## OPERATING INSTRUCTIONS

### Front Panel Controls

- **Mic/Instrument Inputs (1 & 2):** Combo jacks for XLR microphones or 1/4-inch instrument/line-level sources.
- **Gain Knobs (1 & 2):** Adjust the input level for each channel. Set these to achieve a strong signal without clipping (indicated by the LED clip indicator).
- **48V Phantom Power:** Press this button to supply 48V phantom power to the XLR inputs for condenser microphones. Ensure microphones are connected before engaging phantom power.
- **Main Knob:** Controls the output level of the Main Out (L/R) jacks.
- **Phones Knob:** Adjusts the output level for the headphone jack.
- **Mixer Knob:** Blends the direct input signal with the playback stream from your computer. Turn clockwise for more direct input (zero-latency monitoring) and counter-clockwise for more computer playback.
- **Clip LEDs:** Illuminate when the input signal is too high, indicating potential clipping. Reduce the gain if these LEDs light up consistently.

### Rear Panel Connections

- **USB 2.0:** Connects the interface to your computer for data transfer and power.
- **MIDI In/Out:** Standard 5-pin DIN connectors for connecting MIDI devices.
- **Main Out (L/R):** Balanced 1/4-inch TRS outputs for connecting to studio monitors or an external mixer.
- **Phones:** Stereo 1/4-inch output for headphones.

## Using Virtual StudioLive (VSL) Software

The VSL software provides a virtual mixer interface that allows you to apply real-time effects and processing to your inputs with near-zero latency. This includes Fat Channel processing (compression, limiting, semi-parametric EQ, high-pass filter, noise gate) and customizable reverb and delay effects. These effects are applied to the monitoring path, allowing musicians to hear themselves with effects during tracking without affecting the recorded signal (unless specifically routed to do so).

Your browser does not support the video tag.

Video: An overview of the PreSonus AudioBox VSL series, demonstrating the real-time effects processing capabilities of the Virtual StudioLive software and its application in recording and live performance scenarios.

The VSL software allows you to adjust parameters such as compression, limiting, EQ, and apply various reverb and delay effects. This enhances the monitoring experience, helping musicians perform better by hearing a more polished sound in their headphones.

## Recording with Studio One Artist

The AudioBox 22VSL comes bundled with PreSonus Studio One Artist, a powerful and intuitive digital audio workstation. After installing Studio One Artist, launch the software and ensure the AudioBox 22VSL is selected as your audio device in the preferences. You can then create new songs, add audio tracks, and begin recording. The VSL effects can be recorded directly onto your tracks or used solely for monitoring, providing flexibility in your workflow.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the AudioBox 22VSL. Avoid using abrasive cleaners or solvents, as they may damage the finish.
- **Storage:** When not in use, store the interface in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure all cables are properly routed and not under excessive strain to prevent damage to the connectors or the unit.
- **Firmware Updates:** Periodically check the PreSonus website for firmware updates for your AudioBox 22VSL to ensure optimal performance and compatibility.

## TROUBLESHOOTING

- **No Power/No Connection:**
  - Ensure the USB cable is securely connected to both the AudioBox 22VSL and your computer.
  - Try a different USB port or USB cable.
  - Verify that your computer's USB ports are functioning correctly.
- **No Sound Input/Output:**
  - Check all cable connections (microphones, instruments, monitors, headphones).

- Ensure input gain knobs are turned up and output level knobs (Main, Phones) are not at minimum.
  - Verify that the AudioBox 22VSL is selected as the input/output device in your operating system's sound settings and your DAW (e.g., Studio One Artist).
  - If using condenser microphones, ensure 48V phantom power is engaged.
  - Check the Mixer knob position; adjust it to hear more of your input or computer playback.
- **Audio Clipping/Distortion:**
    - Reduce the input gain using the corresponding gain knob if the Clip LED illuminates frequently.
    - Ensure your microphone or instrument output level is not excessively high.
- **Latency Issues:**
    - Adjust the buffer size in your DAW's audio settings. Lower buffer sizes reduce latency but require more CPU power.
    - Utilize the Mixer knob on the AudioBox 22VSL for direct, zero-latency monitoring of your input signal.
    - Ensure you are using the correct ASIO drivers on Windows or Core Audio drivers on macOS.
- **Software Not Recognizing Interface:**
    - Reinstall the latest drivers from the PreSonus website.
    - Restart your computer and the AudioBox 22VSL.
    - Check for operating system compatibility.

## SPECIFICATIONS

- **Brand:** PreSonus
- **Model:** AudioBox 22VSL
- **Connectivity Technology:** USB 2.0
- **Number of Channels:** 2 inputs, 2 outputs
- **Sample Rate/Bit Depth:** Up to 96 kHz / 24-bit
- **Preamps:** 2 x Class A XMAX mic preamps
- **Audio Input:** USB (combo XLR/TRS inputs)
- **Compatible Devices:** Laptop, Personal Computer
- **Supported Software:** PreSonus Studio One Artist, Virtual StudioLive (VSL)
- **Operating System:** Windows, macOS
- **Item Weight:** 1.6 Pounds (approx. 0.73 kg)
- **MIDI:** In/Out

## WARRANTY

The PreSonus AudioBox 22VSL comes with a **1-year parts and labor warranty**. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the documentation included with your product or visit the official PreSonus website.

## SUPPORT

For further assistance, technical support, or to download the latest drivers and software, please visit the official PreSonus support website:

[www.presonus.com/support](http://www.presonus.com/support)

You can also find additional resources, FAQs, and community forums on their website.