AudioBox™ VSL Series

The first USB 2.0 interfaces that can improve the way you record.

And perform.

PreSonus

You'll make dramatically better recordings when you can hear real-time reverb, compression, and EQ in your headphones.

Easy to do if you have a digital mixer or outboard effects processors.

Impossible if you try to use DAW effects plug-ins.

So we sliced up a StudioLive™ 16.0.2 digital mixer and put its Fat Channel processors into each AudioBox™ VSL interface and then added effects.

NEAR-ZERO-LATENCY
REVERB & DELAY
StudioLive 16.0.2 Fat Channel
COMPRESSION
AND LIMITING
StudioLive 16.0.2 Fat Channel
DOWNWARD
EXPANSION
udioLive 16.0.2 Fat Chann
3-BAND
EQ AND HI-PASS FILTER

A whole rack of signal processors and digital effects... in your interface!

We can't emphasize it enough: You need to hear signal processing and especially effects such as reverb in your headphones while you're tracking.

Others have tried adding a few effects into an interface. But nobody has been able to offer the power of AudioBox VSL software: reverb, delay, compression, limiting, 3-band semi-parametic EQ, noise gate, and highpass filter. All with inaudible delay, thanks to our ingenious kernel-mode processing.

AudioBox 44VSL Fat Channel Compressor

AudioBox 44VSL Fat Channel 3-Band Parametric EQ

AudioBox 44VSL Fat Channel Hi-Pass Filter and Noise Gate

Effects A and B

The only USB 2.0 interfaces with one of these inside. →

First we created digital mixers with a unique Fat Channel that delivers a whole rack of 32-bit digital signal processing.

Then we created PreSonus Virtual StudioLive (VSL), software that duplicates control of mixer functions, Fat Channel processing, and delay and reverb on your laptop computer.

Now we've created three smaller versions of Virtual StudioLive for our new AudioBox VSL interfaces. You get a rich palette of effects, in real time, in your headphones when you record – or through your P.A. on stage. Plus all the mixing functions and 50 Fat Channel presets for enhancing instruments and vocals.

Virtual StudioLive (the original)

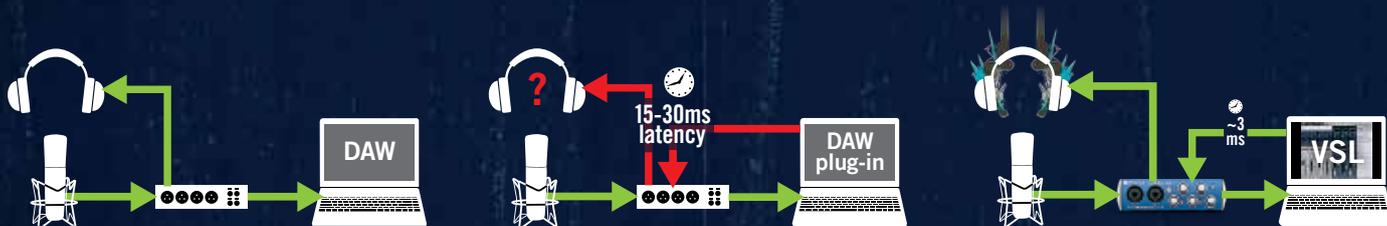VSL for AudioBox 22VSL

VSL for AudioBox 44VSL

VSL for AudioBox 1818VSL

How we solved the problem of latency.

All interfaces have a headphone jack. But what comes out is exactly what goes in. No effects.

Since you're recording into a DAW program, the logical "solution" is to get effects and processing from DAW plug-ins.

Bad idea.

It results in latency (delay) so great — typically >10 ms[1], and worse as you add more plug-ins — that your headphones sound like you're driving through a tunnel, and your guitar strumming feels wrong. This echo-y syndrome really hurts your performance (unless you're dubbing kung-fu movies).

This delay (latency) gets worse when you add plug-ins, such as reverb, EQ, and compression. Bottom line: Plug-in effects just don't work, even on the fastest computer.

Our solution handles DSP processing in the kernel, where drivers live in your computer underneath all the GUI applications. We bypass the added delay of sending audio to and from your DAW program, waiting for it to process your sound and sending it back to the driver.

The result on fast computers is 3.2 ms[2] — and on average computers 4.5 ms[2]. That's about how long it takes for sound to travel **six feet**[3]! You don't hear any delay when somebody talks to you from that distance. That's why we call AudioBox VSL effects latency "*inaudible*."

Keep in mind that 4.5 ms is about **FOUR TIMES** faster than competing systems. So only with AudioBox VSL can you have effects, EQ, and dynamics in your headphones instead of just boring level and pan.

1 We based this figure on: an AudioBox VSL 22; a fast Mac computer on running Studio One Artist set at its lowest buffer rate (32 samples); input at 44.1 kHz; reverb (*Native Effects™ Room Reverb*), compression (*Native Effects™ Compressor*) and EQ (*Native Effects™ Pro EQ*) plug-ins operating.
Some other "famous" DAW programs and chains of plug-ins can result in far slower results (more latency).
For further information on latency, download our Latency White Paper. It's available behind the DOWNLOADS tab on each AudioBox VSL product page @ www.presonus.com.

2 We based these figures on: an AudioBox VSL22; a Mac computer running Studio One Artist; input at 44.1 kHz; AudioBox VSL reverb, compression, and EQ effects operating.
Latency time at higher sample rates: 48 kHz, 3.5 ms; 88.2 kHz, 2.6 ms; 96 kHz, 2.6 ms.
For further information on latency, download our Latency White Paper. It's available behind the DOWNLOADS tab on each AudioBox VSL product page @ www.presonus.com.

3 Speed of 1,100 feet per sec. / 340m per sec., at sea level, with miserable Baton Rouge, Louisiana, humidity.

AudioBox™ 1818VSL 18-in / 18-out Interface

Okay, we'll just come out and say it. Some studio engineers consider USB interfaces sort of wussy. The AudioBox VSL1818 proves them wrong. It thrives on up to 18 simultaneous inputs, including 8 Class A XMAX mic preamps. It has word-clock output, eight channels of ADAT optical I/O*, and stereo S/PDIF coax input/output.

You also get seven-segment ladder metering, bank-switched phantom power, and eight balanced outputs.

Packed with StudioLive Fat Channel features, the AudioBox 1818VSL should seriously be considered as an onstage 26 x 8 mixer for any small group that's comfortable mixing through a laptop.

To top it off, you can wirelessly remote control your AudioBox 1818VSL with an iPad® using free PreSonus AB-1818VSL software. The iPad controls VSL on your Mac or PC, which in turn controls the interface.

But whether it's the centerpiece of your project studio, part of a live-recording rig, or used on stage, you're gonna love this interface's performance.

- 24-bit / 96 kHz 18 x 18 USB 2.0 recording interface
- 2 dual-purpose, front-panel input channels with:
  - Combo XLR mic and balanced ¼" instrument input
  - Class A XMAX™ mic / instrument preamp
  - Individual channel-trim controls with 0 to +35 dBu mic gain range
- 6 dual-purpose, front-panel input channels with:
  - Combo XLR mic and balanced ¼" line input
  - Class A XMAX™ mic preamp
  - Individual channel-trim controls with 0 to +35 dBu mic gain range
- True +48V phantom power for condenser microphones (switchable in two banks for channels 1-4 and 5-8)
- Headphone jack with level control
- Main-output level control
- Power/USB sync LED
- LED clip indicator for each channel
- L/R main output meter (dual 7-segment LED ladder)
- Mix, adjust input and playback-returns levels, and add effects and other processing from your laptop or other computer

- Virtual StudioLive™ (VSL) control software included; manages:
  - Near-zero-latency monitoring with extensive signal processing
  - 26 x 8 DSP mixer
  - StudioLive™16.0.2 Fat Channel compressor, limiter, expander, high-pass filter, and semi-parametric EQ for each analog input and its DAW return
  - 2 stereo effects buses with reverb and delay
  - More than 50 Fat Channel DSP presets for enhancing instrument and vocal recordings
- AB1818VSL wireless control software for iPad (free from Apple App Store)
  - Controls VSL for Mac/Windows over wireless network, which controls the AudioBox 1818VSL
- Input/Output
  - 1 USB 2.0 port
  - 2 combo XLR / ¼" mic / instrument inputs
  - 6 combo XLR / ¼" balanced mic/line inputs
  - 2 balanced ¼" main (L/R) line outputs
  - 6 balanced ¼" auxiliary (L/R) line outputs
  - 8 channels ADAT optical input and output (at 44.1 or 48 kHz; 4 channels at 88.2 or 96 kHz)

* 4 channels at 88.2 or 96 kHz.

USB 2.0   SYNC (Word Clock) OUT   ADAT IN / OUT   S/PDIF IN / OUT   MIDI IN / OUT   MAIN OUT balanced TRS   8 balanced TRS LINE OUTPUTS

PreSonus AudioBox 1818VSL 24BIT / 96K•USB2.0 Recording Interface

48V 1-4 5-8 Mic•Instrument Mic•Line

AudioBox™ 1818VSL 18-in / 18-out Interface

- 2 channels (stereo) S/PDIF coaxial input and output
- 1 stereo ¼" headphone output
- 1 BNC word-clock output
- MIDI In/Out
- **Digitalia**
- 24-bit resolution and 44.1, 48, 88.2, and 96 kHz sampling rate
- Professional-grade A/D/A converters (+114 dBu dynamic range)
- Mac®- and Windows®-compatible, including Mac OS X 10.8 (Mountain Lion) and later and Windows 7 and 8 (x32 / x64)
- Supports ASIO, Core Audio, Windows Audio Session API
- **Physical**
- 1U rack-mountable
- Road-rugged construction with all-metal chassis and metal knobs
- 12 VDC external power supply (included)
- **Software**
- AudioBox VSL, PreSonus' groundbreaking control software

Studio One™

Studio One Artist

- Elegant single-window work environment
- Powerful drag-and-drop functionality
- Unlimited audio tracks, MIDI tracks, virtual instruments, buses, and FX channels
- Single and multitrack comping
- Editable Folder Tracks
- Content browser with convenient sort options and preview player
- Transient detection and editable markers
- Drag-and-drop groove extraction
- Multitrack MIDI editing
- Multitrack Track Transform
- Event-based effects
- Macro Toolbar
- Nimbit® extension (market and sell music)
- Automatic latency compensation
- Advanced automation

- Supports a variety of file formats, including CAF Apple Loops (OS X only) and REX files
- Up to five installations and activations
- Native Effects™ 32-bit effects library with 28 dynamics processors, reverbs, modulations effects, amp simulators, etc.
- Ampire XT - Guitar-amplifier modeler
- Analog Delay - Tape delay emulation
- Auto Filter - Envelope filter
- Beat Delay - Tempo-synchronized delay
- Binaural Pan - Stereo panner and imager
- Channel Strip - Compressor/expander/equalizer
- Chorus - 3-voice chorus with stereo width
- Compressor - Full-featured RMS compressor with sidechain
- Dual Pan - Independent L/R channel panner
- Expander – Downward expander with sidechain
- Fat Channel – Native version of StudioLive Fat Channel
- Flanger - Flanger with temp sync
- Gate - Noise gate with MIDI trigger output
- Level Meter – Resizeable, multiscale level meter
- Limiter - Brickwall peak limiter
- Mixtool - Phase and MS channel utility
- MixVerb - Mono/stereo reverb
- Phase Meter - Phase-correlation analyzer
- Phaser - Multistage allpass filter phaser
- Pro EQ - 7-band parametric equalizer
- Redlight Dist™ - Analog distortion emulator
- Room Reverb - Room simulator
- Scope - Digital oscilloscope
- Spectrum Meter - Frequency analyzer
- Tricomp™ - Basic multiband compressor
- Tuner - Chromatic instrument tuner
- X-Trem - Tremolo/autopanner with tempo sync and step-sequence modulation
- Four virtual instruments
- Impact™ Sample Trigger Drum Instrument with 32 drum kits by Ueberschall™
- Presence™ Sample Player Virtual Instrument with 200 sampled instruments by Digital Sound Factory™
- SampleOne™ Sampler Virtual Instrument
- Mojito Analog-Modeling Subtractive Synthesizer
- Native Instruments™ Kore™ Player with 150 instruments
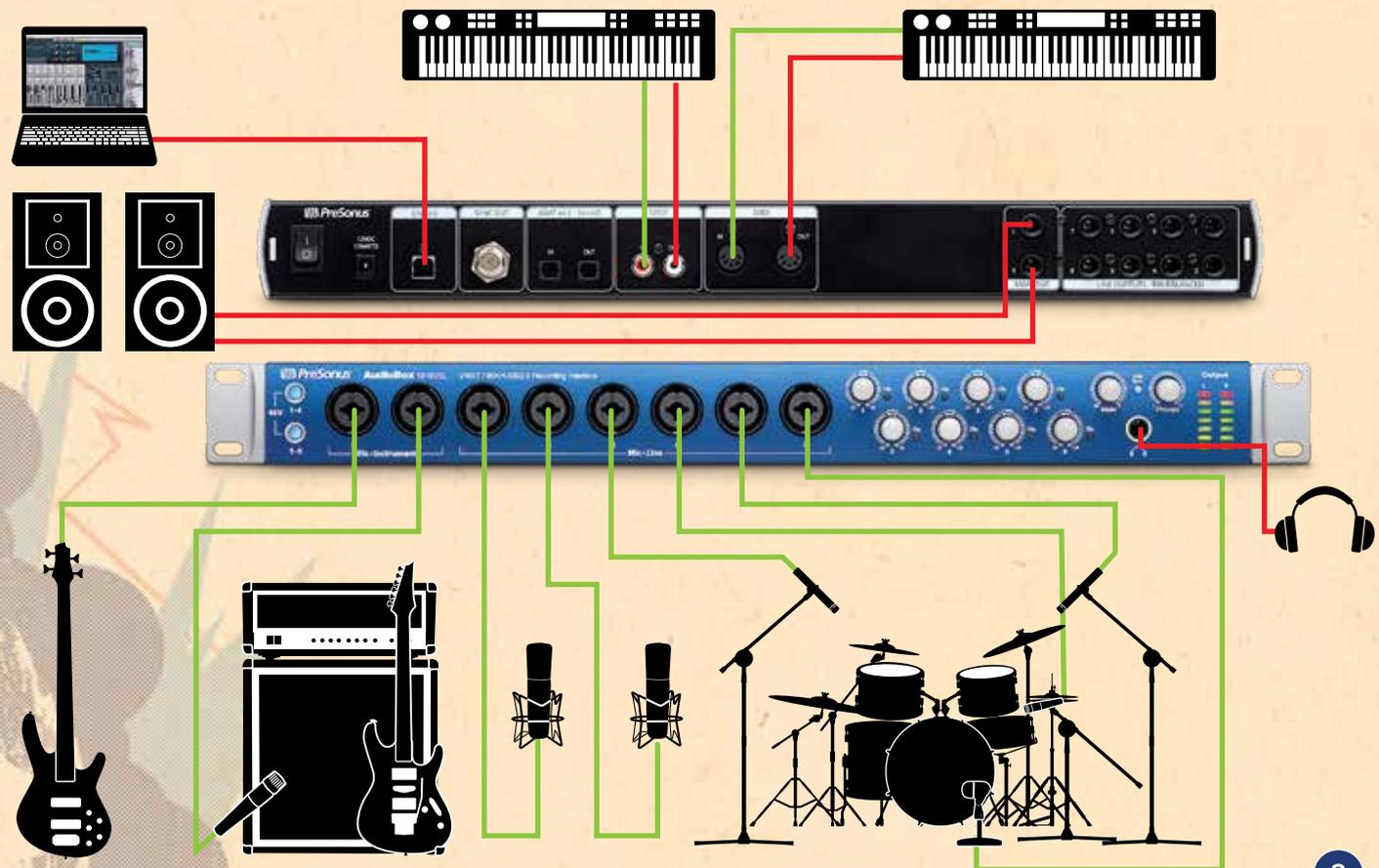- Almost 2.5 GB of loops and other content
- Free jambalaya recipe!

- AB1818VSL, PreSonus' wireless control software for Apple iPad
- Studio One Artist, PreSonus' easy-to-use digital audio workstation with unlimited track count and 4+ GB of third-party resources included

- Easy-to-use sidechain routing
- Stunning virtual instruments
- Unlimited, random access Undo history
- Most intuitive MIDI-mapping system available
- Mackie Control and HUI support
- Real-time, dynamic audio timestretching and resampling
- Compatible with any ASIO-, Windows Audio-, or Core Audio-compliant audio interface
- Works with Pro Tools, Cubase, and Logic key commands
- Key-command editor with Learn and Search—create your own shortcuts

AudioBox™ 1818VSL 18-in / 18-out Interface

AudioBox 1818VSL 26 x 8 monitor mixer

AudioBox™ 44VSL 4-in / 4-out Interface

For live recording or studio multi-tracking with Fat Channel processing and digital effects, the AudioBox 44VSL will yield impressive results. As you can see from the screenshot on the previous page, we really *have* added a big slice of the StudioLive 16.0.2's capabilities, including individual outputs and effects channels.

That means the AudioBox 44VSL makes a perfect *mixer* for use with one vocal mic, one guitar, and stereo backing tracks. You can run all those cool Fat Channel effects directly into your P.A. and record your gig at the same time with Studio One Artist!

- 24-bit / 96 kHz 4 x 4 USB 2.0 recording interface
- 2 dual-purpose, front-panel input channels with:
  - Combo XLR mic and balanced ¼" instrument input
  - Class A XMAX™ mic / instrument preamp
  - Individual channel-trim controls with 0 to +35 dBu mic gain range
- 2 dual-purpose, front-panel input channels with:
  - Combo XLR mic and balanced ¼" line input
  - Class A XMAX™ mic preamp
  - Individual channel-trim controls with 0 to +35 dBu mic gain range
- True +48V phantom power for condenser microphones (global)
- Mixer control (blends the input signal with the computer playback stream for zero-latency analog monitoring)
- Headphone jack with level control
- Main-output level control
- Power/USB sync LED

- LED clip indicator for each channel
- Mix, adjust input and playback-returns levels, and add effects and signal processing from your laptop or other computer
- Virtual StudioLive™ (VSL) control software included; manages:
  - Near-zero-latency monitoring with extensive signal processing
  - 8 x 4 DSP mixer
  - StudioLive™ 16.0.2 Fat Channel compressor, limiter, expander, high-pass filter, and semi-parametric EQ for each analog input and its DAW return
  - 2 stereo effects buses with reverb and delay
  - More than 50 Fat Channel DSP presets for enhancing instrument and vocal recordings

- **Input/Output**
  - 1 USB 2.0 port
  - 2 combo XLR / ¼" mic/instrument inputs
  - 2 combo XLR / ¼" mic/line inputs
  - 2 balanced ¼" main (L/R) line outputs
  - 4 balanced ¼" auxiliary (L/R) line outputs
  - 1 stereo ¼" headphone output
  - MIDI In/Out

- **Digitalia**
  - 24-bit resolution and 44.1, 48, 88.2, and 96 kHz sampling rate
  - Professional-grade A/D/A converters (+114 dBu dynamic range)
  - Zero-latency analog monitoring with playback/input Mix control knob
  - Mac®- and Windows®-compatible, including Mac OS X 10.8 (Mountain Lion) and later and Windows 7 and 8 (x32 / x64)
  - Supports ASIO, Core Audio, Windows Audio Session API

- **Physical**
  - 1/2U rack-mountable
  - Road-rugged construction with all-metal chassis and metal knobs
  - 12 VDC external power supply (included)

- **Software**
  - AudioBox VSL, PreSonus' groundbreaking control software
  - Studio One Artist, PreSonus' powerful but easy-to-use digital audio workstation, with unlimited track count and 4+ GB of third-party resources

USB 2.0   MIDI IN / OUT   MAIN OUT TRS balanced   4 balanced TRS LINE OUTPUTS   PHONES OUT

AudioBox™ 44VSL 4-in / 4-out Interface

Studio One™

Studio One Artist

- Elegant single-window work environment
- Powerful drag-and-drop functionality
- Unlimited audio tracks, MIDI tracks, virtual instruments, buses, and FX channels
- Single and multitrack comping
- Editable Folder Tracks
- Content browser with convenient sort options and preview player
- Transient detection and editable markers
- Drag-and-drop groove extraction
- Multitrack MIDI editing
- Multitrack Track Transform
- Event-based effects
- Macro Toolbar
- Nimbit® extension (market and sell music)
- Automatic latency compensation
- Advanced automation

- Easy-to-use sidechain routing
- Stunning virtual instruments
- Unlimited, random access Undo history
- Most intuitive MIDI-mapping system available
- Mackie Control and HUI support
- Real-time, dynamic audio timestretching and resampling
- Compatible with any ASIO-, Windows Audio-, or Core Audio-compliant audio interface
- Works with Pro Tools, Cubase, and Logic key commands
- Key-command editor with Learn and Search—create your own shortcuts

- Supports a variety of file formats, including CAF Apple Loops (OS X only) and REX files
- Up to five installations and activations
- Native Effects™ 32-bit effects library with 28 dynamics processors, reverbs, modulations effects, amp simulators, etc.
  - Ampire XT - Guitar-amplifier modeler
  - Analog Delay - Tape delay emulation
  - Auto Filter - Envelope filter
  - Beat Delay - Tempo-synchronized delay
  - Binaural Pan - Stereo panner and imager
  - Channel Strip - Compressor/expander/equalizer
  - Chorus - 3-voice chorus with stereo width
  - Compressor - Full-featured RMS compressor with sidechain
  - Dual Pan - Independent L/R channel panner
  - Expander – Downward expander with sidechain
  - Fat Channel – Native version of StudioLive Fat Channel
  - Flanger - Flanger with temp sync
  - Gate - Noise gate with MIDI trigger output
  - Level Meter – Resizeable, multiscale level meter
  - Limiter - Brickwall peak limiter
  - Mixtool - Phase and MS channel utility
  - MixVerb - Mono/stereo reverb
  - Phase Meter - Phase-correlation analyzer
  - Phaser - Multistage allpass filter phaser
  - Pro EQ - 7-band parametric equalizer
  - Redlight Dist™ - Analog distortion emulator
  - Room Reverb - Room simulator
  - Scope - Digital oscilloscope
  - Spectrum Meter - Frequency analyzer
  - Tricomp™ - Basic multiband compressor
  - Tuner - Chromatic instrument tuner
  - X-Trem - Tremolo/autopanner with tempo sync and step-sequence modulation
- Four virtual instruments
  - Impact™ Sample Trigger Drum Instrument with 32 drum kits by Ueberschall™
  - Presence™ Sample Player Virtual Instrument with 200 sampled instruments by Digital Sound Factory™
  - SampleOne™ Sampler Virtual Instrument
  - Mojito Analog-Modeling Subtractive Synthesizer
- Native Instruments™ Kore™ Player with 150 instruments
  - Almost 2.5 GB of loops and other content
  - Free jambalaya recipe!

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AudioBox™ 44VSL 4-in / 4-out Interface

AudioBox 44VSL 8 x 4 monitor mixer
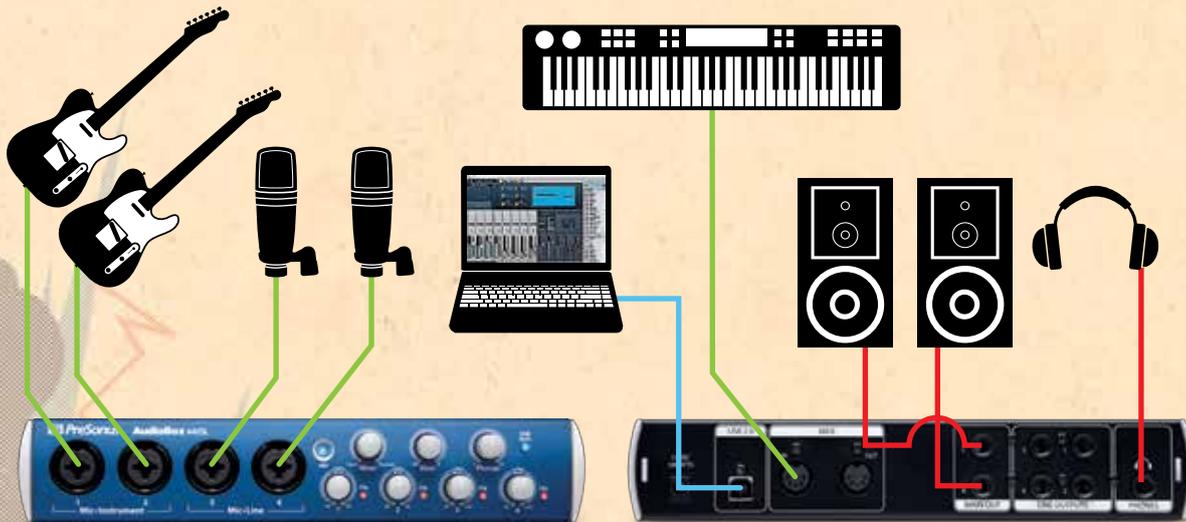
AudioBox™ 22VSL 2-in / 2-out Interface

Effects and Fat Channel signal processing in your headphones… premium XMAX™ mic preamps that render the finest details with maximum dynamic range…even the most compact AudioBox VSL lets you create studio-quality recordings. The bus-powered AudioBox 22VSL can go anywhere to capture those flashes of music inspiration.

- 24-bit / 96 kHz 2 x 2 USB 2.0 recording interface
- 2 dual-purpose front-panel input channels, each with:
  - Combo XLR mic and balanced ¼" instrument input
  - Class A XMAX™ mic / instrument preamp
  - Channel-trim control with 0 to +35 dBu mic gain range
  - LED clip indicator
- 48V phantom power for condenser microphones (global)
- Mixer control (blends the input signal with the computer playback stream for zero-latency monitoring)
- Headphone jack with level control
- Main Output level control
- Virtual StudioLive™ (VSL) control software included; manages:
  - Near-zero-latency monitoring with extensive signal processing
  - 4 x 2 DSP mixer
  - StudioLive™16.0.2 Fat Channel compressor, limiter, expander, high-pass filter, and semi-parametric EQ for each analog input and its DAW return
  - 2 stereo effects buses with reverb and delay
  - More than 50 Fat Channel DSP presets for enhancing instrument and vocal recordings

- **Input/Output**
  - 1 USB 2.0 port
  - 2 combo XLR / ¼" mic/instrument inputs
  - 2 balanced ¼" main (L/R) line outputs
  - 1 stereo ¼" headphone output
  - MIDI In/Out

- **Digitalia**
  - 24-bit resolution and 44.1, 48, 88.2, and 96 kHz sampling rate
  - Professional-grade A/D/A converters (+114 dBu dynamic range)
  - Mac®- and Windows®-compatible, including Mac OS X 10.8 (Mountain Lion) and later and Windows 7 and 8 (x32 / x64)
  - Supports ASIO, Core Audio, Windows Audio Session API

- **Physical**
  - 1/3U rack-mountable
  - Rugged construction with all-metal chassis and metal knobs
  - Weighs just 1.6 lb. (0.7 kg)
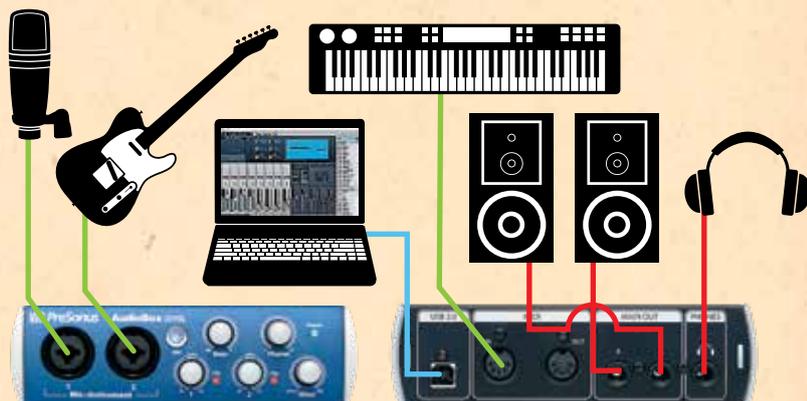 - Powered via USB bus— no wall wart!

- **Software**
  - AudioBox VSL, PreSonus' groundbreaking control software
  - Studio One Artist, PreSonus' easy-to-use digital audio workstation with unlimited track count and 4+ GB of third-party resources included

USB 2.0   MIDI IN / OUT   MAIN OUT   PHONES
                               TRS balanced   OUT

AudioBox 22VSL 4 x 2 monitor-mixer

AudioBox™ 22VSL 2-in / 2-out Interface

Studio One™

Studio One Artist

- Elegant single-window work environment
- Powerful drag-and-drop functionality
- Unlimited audio tracks, MIDI tracks, virtual instruments, buses, and FX channels
- Single and multitrack comping
- Editable Folder Tracks
- Content browser with convenient sort options and preview player
- Transient detection and editable markers
- Drag-and-drop groove extraction
- Multitrack MIDI editing
- Multitrack Track Transform
- Event-based effects
- Macro Toolbar
- Nimbit® extension (market and sell music)
- Automatic latency compensation
- Advanced automation

- Easy-to-use sidechain routing
- Stunning virtual instruments
- Unlimited, random access Undo history
- Most intuitive MIDI-mapping system available
- Mackie Control and HUI support
- Real-time, dynamic audio timestretching and resampling
- Compatible with any ASIO-, Windows Audio-, or Core Audio-compliant audio interface
- Works with Pro Tools, Cubase, and Logic key commands
- Key-command editor with Learn and Search—create your own shortcuts

- Supports a variety of file formats, including CAF Apple Loops (OS X only) and REX files
- Up to five installations and activations
- Native Effects™ 32-bit effects library with 28 dynamics processors, reverbs, modulations effects, amp simulators, etc.
  - Ampire XT - Guitar-amplifier modeler
  - Analog Delay - Tape delay emulation
  - Auto Filter - Envelope filter
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  - Gate - Noise gate with MIDI trigger output
  - Level Meter – Resizeable, multiscale level meter
  - Limiter - Brickwall peak limiter
  - Mixtool - Phase and MS channel utility
  - MixVerb - Mono/stereo reverb
  - Phase Meter - Phase-correlation analyzer
  - Phaser - Multistage allpass filter phaser
  - Pro EQ - 7-band parametric equalizer
  - Redlight Dist™ - Analog distortion emulator
  - Room Reverb - Room simulator
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  - Tuner - Chromatic instrument tuner
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  - Presence™ Sample Player Virtual Instrument with 200 sampled instruments by Digital Sound Factory™
  - SampleOne™ Sampler Virtual Instrument
  - Mojito Analog-Modeling Subtractive Synthesizer
- Native Instruments™ Kore™ Player with 150 instruments
  - Almost 2.5 GB of loops and other content
 - Free jambalaya recipe!

1818VSL 18-in / 18-out interface with 26 x 8 virtual mixer

44VSL 4-in / 4-out interface with 8 x 4 virtual mixer

The interfaces that are also live-performance mixers.

If you're comfortable mixing on a laptop, our AudioBox 44VSL and 1818VSL interfaces make great live mixers for solo acts and small combos. Since Audio-Box VSL software gives you all of our StudioLive 16.0.2 digital mixer's Fat Channel process-ing, plus multi-parameter reverb and delay, you can route them to your P.A. and monitor...while recording your whole multitrack performance in Studio One at the same time!
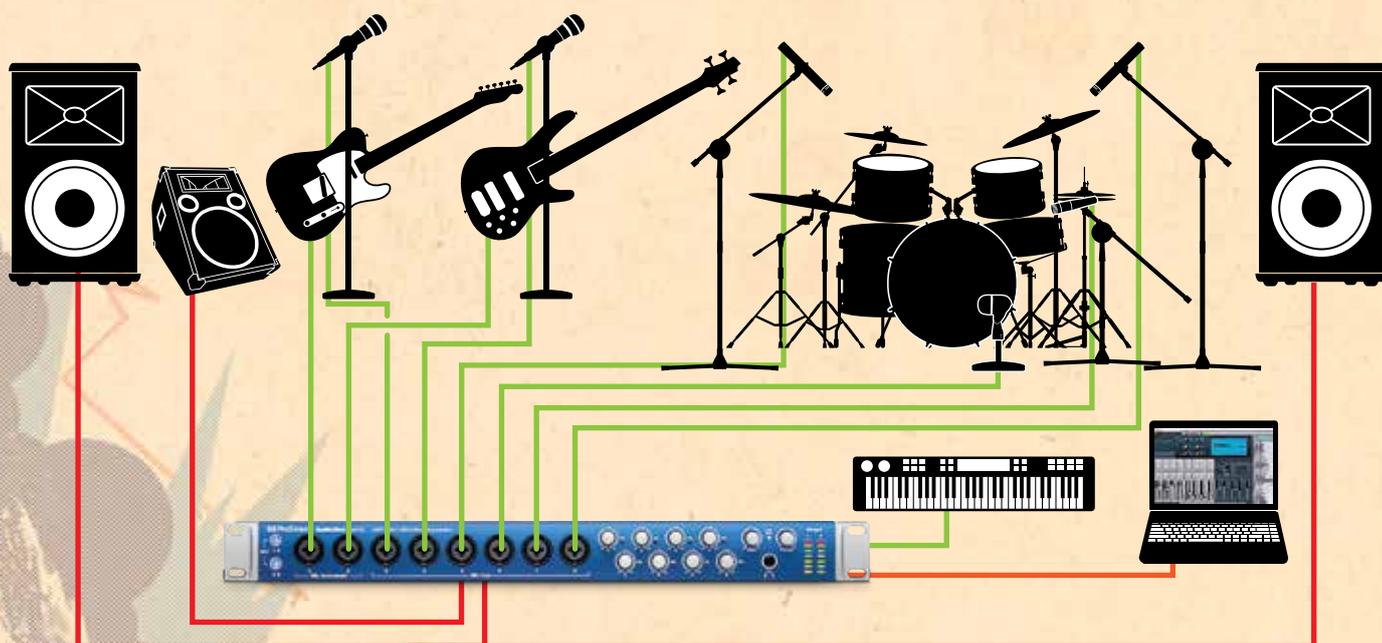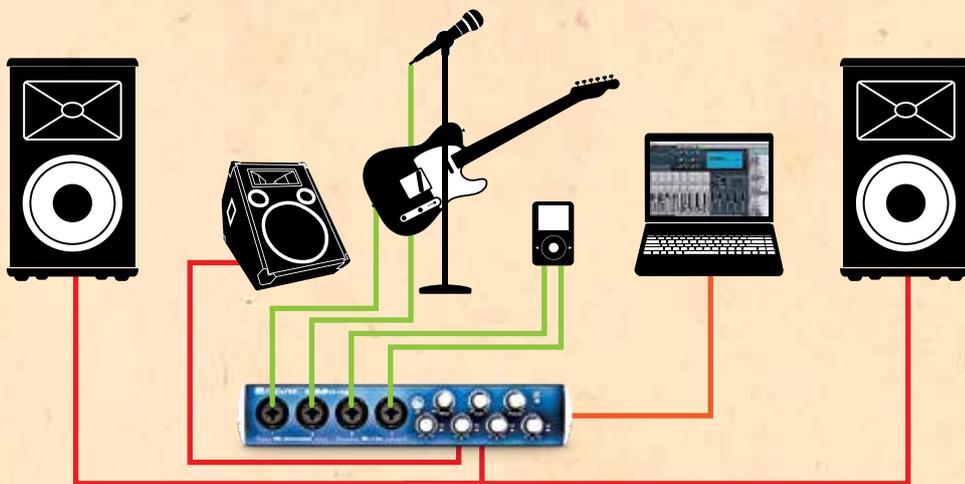
Minimum Computer System Requirements for the AudioBox 22VSL, 44VSL, and 1818VSL

Windows®
- Windows 7 x64/x32 SP1, Windows 8 x64/x32
- Intel Core Duo or AMD Athlon processor (Intel Core 2 Duo or AMD Athlon X4 or better recommended)
- 2 GB RAM (4 GB or more recommended)

Mac®
- Mac OS X 10.8 or later

- Intel Core Duo processor (Intel Core 2 Duo or Intel Core i3 or better recommended)
- 2 GB RAM (4 GB or more recommended)

Windows and Mac Systems
- USB 2.0 port
- Internet connection (only for activation)
- DVD-ROM drive
- Monitor with at least 1024x768 resolution
- 20 GB hard-disk space
- Internal or external 7200 RPM storage drive highly recommended

Note that the speed of your processor, amount of RAM, and size and speed of your hard drive will greatly affect the overall performance of your recording system.
Also, a more powerful system (faster processor with more RAM) will allow for lower latency (signal delay) while monitoring audio or MIDI tracks.
Visit www.presonus.com AudioBox VSL product pages / Tech Specs tab for known compatible and incompatible hardware.

VSL 22   VSL 44   VSL 1818

	AudioBox™ 22VSL	AudioBox™ 44VSL	AudioBox™ 1818VSL
Analog Inputs	2 Mic / Instrument	2 Mic / Instrument + 2 Mic / Line	2 Mic / Instrument + 6 Mic / Line
XMAX™ Preamps	Two XLR with phantom power	Four XLR with phantom power	Eight XLR with phantom power
Analog Outputs	2 ¼" TRS Mains, ¼" Headphones	2 ¼" TRS Mains, 4 ¼" TRS General Purpose, ¼" Headphones	2 ¼" TRS Mains, 8 ¼" TRS General Purpose, ¼" Headphones
MIDI	In and Out	In and Out	In and Out
DSP Effects	Near-zero-latency effects and same Fat Channel processing as StudioLive™ 16.0.2 digital mixer	Near-zero-latency effects and same Fat Channel processing as StudioLive™ 16.0.2 digital mixer	Near-zero-latency effects and same Fat Channel processing as StudioLive™ 16.0.2 digital mixer
Included Software	Virtual StudioLive with AudioBox VSL 22 4 x 2 monitor mixing + Studio One Artist for recording and production	Virtual StudioLive with AudioBox VSL 44 8 x 4 monitor mixing + Studio One Artist for recording and production	Virtual StudioLive with AudioBox VSL 1818 26 x 8 monitor mixing + Studio One Artist for recording and production + AB1818VSL wireless control for iPad (free @ App Store)
Front Panel	Trim, Mains, Phones, Mix, 48V controls; Power (blue), Clip (red) LEDs	Trim, Mains, Phones, Mix, 48V controls; Power/Sync (red/blue), Clip (red) LEDs	Trim, Mains, Phones, 48V x 2 controls; Power/Sync (red/blue), Clip (red) LEDs
USB	2.0 (high speed)	2.0 (high speed)	2.0 (high speed)
Bit Depth/Sample Rate	24 bit / 96 kHz	24 bit / 96 kHz	24 bit / 96 kHz
Converters	ADC/DAC 114 dB dynamic range	ADC/DAC 114 dB dynamic range	ADC/DAC 114 dB dynamic range
XMAX Mic Preamp EIN	-129 dB, 20 kHz BW, max gain, Rs=40Ω, A-wtd	-133 dB, 20 kHz BW, max gain, Rs=40Ω, A-wtd	-133 dB, 20 kHz BW, max gain, Rs=40Ω, A-wtd
XMAX Mic Preamp Frequency Response	20 Hz - 20 kHz, ±0.3 dB, unity gain	20 Hz - 22 kHz, ±0.25 dB, unity gain	20 Hz - 22 kHz, ±0.25 dB, unity gain
XMAX Mic Preamp THD+N	0.005%, 0 dBu, 1 kHz, unity gain, 20 kHz BW, A-wtd	0.002%, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd	0.002%, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd
XMAX Mic Preamp S/N Ratio	94 dB, 0 dBu, 1 kHz, unity gain, 20 kHz BW, unwtd	97 dB, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd	97 dB, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd
S/PDIF	—	—	In and Out
ADAT	—	—	In and Out
Word Clock	—	—	BNC Output
Power	USB Bus Power	12 VDC/1A power supply	18 VDC/1A power supply
Configuration	1/3U rack-mountable (with optional 3UMR rack-mounting system)	1/2U rack-mountable (screw-mount to standard rack tray, not included)	1U rack-mountable
Weight	1.6 lb. (0.7 kg)	2.6 lb. (1.2 kg)	4.6 lb. (2.1 kg)

PreSonus™

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