# Presonus AudioBox 1818VSL USB Audio Interface

## Detailed Specifications:

### Computer system requirements:

Below are the minimum computer-system requirements for the AudioBox 1818VSL.

### Windows

- Windows XP, Windows Vista, Windows 7 (32- and 64-bit)

- Intel Pentium 4 1.6 GHz processor or AMD Athlon 64 3000+ (Turion) (2.8 GHz or faster recommended)

- 1 GB RAM (2 GB or more recommended)

### Macintosh

- Mac OS X 10.6 (Snow Leopard) or later (32- and 64-bit)

- Intel Core 1 Solo 1.5 GHz processor (Intel Core Duo or Intel Xeon processor recommended)

- 1 GB RAM (2 GB or more recommended)

### Windows and Macintosh Systems

- USB 2.0 Port

- Internet connection recommended

- DVD-ROM drive (required to install Studio One Artist)

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) that you might experience while monitoring audio or MIDI signals.Monitor resolution for both PC and Macintosh should be no lower than 1024x768 pixels.

## Known compatible and incompatible hardware

### Microphone Inputs:

**Connector Type:** Combo, XLR, female, balanced

**Mic Preamp EIN:** -133 dB, 20 kHz BW, max gain, Rs=40Ω, A-wtd

**Frequency Response:** 20 Hz - 20 kHz, ±0.25 dB, unity gain

**THD+N:** 0.002%, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd

**S/N Ratio:** 97 dB, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd

**Gain Control Range:** -15 dB to +65 dB

**Input Max Headroom:** +16 dBu, < 0.5% THD

**Input Impedance:** 1.7 kΩ

**Phantom Power:** +48 VDC, 10 mA total

**Line Inputs:**

 **Connector Type:** Combo, ¼" TS, female, unbalanced

 **Frequency Response:** 20 Hz - 20 kHz, ±0.25 dB, unity gain

 **THD+N:** 0.002%, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd

 **S/N Ratio:** 98 dB, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd

 **Gain Control Range:** -20 dB to +20 dB

 **Input Max Headroom:** +21 dBu, < 0.5% THD

 **Input Impedance:** 10 kΩ

**Instrument Inputs:**

 **Connector Type:** Combo, ¼" TS, female, unbalanced

 **Frequency Response:** 20 Hz - 20 kHz, ±0.25 dB, unity gain

 **THD+N:** 0.003%, +4 dBu, 1 kHz, unity gain, 22 kHz BW, A-wtd

 **S/N Ratio:** 89 dB, 0 dBu, 1 kHz, unity gain, 20 kHz BW, unwtd

 **Gain Control Range:** -30 dB to +50 dB

 **Input Max Headroom:** +21 dBu, < 0.5% THD

 **Input Impedance:** 1 MΩ

**Analog Outputs:**

 **Connector Type:** ¼" TRS, female, impedance balanced

 **Frequency Response:** 20 Hz - 20 kHz, ±0.25 dB

 **THD+N:** 0.003%, 1 kHz, 22 kHz BW, A-wtd

 **S/N Ratio::** 109 dB, 1 kHz, 22 kHz BW, A-wtd

 **Output Level**: +10 dBu, <0.5% THD

 **Output Impedance:** 51Ω

**Headphone Outputs:**

 **Connector Type:** ¼" TRS, female, stereo

 **Maximum Power:** 120 mW/ch @ 60Ω load

 **Frequency Response:** 20 Hz - 20 kHz, ±0.5 dB, max gain

 **THD+N:** 0.01%, 1 kHz, max gain, 20 kHz BW, A-wtd

 **S/N Ratio:** 96 dB, 1 kHz, max gain, 20 kHz BW, A-wtd

## Power:

**External Power Adapter:** +18 VDC, 2.6A, center-positive

**Connector Type:** 5.5 mm OD, 2.1 mm ID, 9.5 mm length

## Digital:

**ADC Dynamic Range:** 114 dB, 48 kHz, A-wtd

**DAC Dynamic Range:** 114 dB, 48 kHz, A-wtd

**Host Interface:** USB 2.0 high-speed

**Bit Depth:** 24-bit

**Sample Rates:** 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz

**Latency:** 2.8 ms - 6 ms, analog in to out

**ADAT Optical I/O:** Toslink™ connectors, ADAT/SMUX formats

**S/PDIF I/O:** RCA female connectors

**Word Clock Output:** BNC connector, 4.5 Vpp @ 75Ω load

**MIDI I/O:** 5-pin DIN connectors

## Physical

- 1U rack-mountable

- Road-rugged construction with all-metal chassis and metal knobs

- Weight 4.6 lb. (2.1 kg)

- 18 VDC external power supply (included)