

# PreSonus ATOM Producer Lab 16-pad USB MIDI Controller/AudioBox USB 96/M7 Microphone/Studio One Artist

## Computer system requirements:

Below are the minimum computer-system requirements for ATOM with Studio One 4 or later:

### Mac

- Mac® OS X 10.11 or higher (64-bit only)
- Intel® Core® 2 Duo processor (Intel Core i3 or better recommended)

### Windows

- Windows® 7 (SP1 + platform update), Windows 8.1, or Windows 10 (64-bit only)
- Intel Core Duo or AMD® Athlon™ X2 processor (Intel Core 2 Duo or AMD Athlon X4 or better recommended)

### Mac and Windows Systems

- 4 GB RAM (8 GB or more recommended)
- USB 2.0 port
- Internet connection (needed for software installation and activation)
- Monitor with 1366 x 768 resolution (high-dpi monitor recommended)
- 40 GB hard-drive space
- Universal Control 2.9 or later (for firmware updates)
- Studio One 4.1+ required for native integration

### ATOM Technical Specifications

AudioBox USB 96 Technical Specifications

M7 Microphone Specifications

|  |   |
|--|---|
| Input  |   |
| Connection Type  | USB 2.0 (bus-powered)                                       |
| Pads, Buttons, and Knobs                               |   |
|  | 16 full-size velocity- and pressure-sensitive, RGB LED pads |
|  | 20 assignable buttons                                       |
|  | 4 endless rotary knobs                                      |
|  | 1 Setup button  |
| Dimensions   |   |
| Height   | 0.82" (20.75 mm)  |
| Depth  | 7.68" (195 mm)  |
| Width  | 7.95" (202 mm)  |
| Weight   | 1 lb. (0.45 kg)   |
| Microphone Preamp                                      |   |
| Type   | XLR Female Balanced   |
| Frequency Response ( $\pm 3.0$ dB)                     | 20 Hz to 20 kHz   |
| Input Impedance (Balanced)                             | 1200 $\Omega$   |
| THD+N (unwtd, 1 kHz @ +4 dBu Output, Unity Gain)       | < 0.008%  |
| S/N Ratio (Unity Gain, Ref. = +4 dBu, 20 Hz to 22 kHz) | > 95 dB   |
| Common Mode Rejection Ratio (1 kHz, 55 dB Gain)        | > 45 dB   |
| Gain Control Range ( $\pm 1$ dB)                       | 0 dB to 35 dB   |
| Max Input Level (Unity Gain, 1 kHz @ 0.5% THD+N)       | -3 dBu  |
| Phantom Power ( $\pm 2$ VDC)                           | +48 VDC   |
| Instrument Input                                       |   |
| Type   | ¼" TS Female Unbalanced                                     |
| Input Impedance  | 0.5 M $\Omega$  |
| Line Outputs   |   |
| Type   | ¼" Balanced   |
| Output Impedance                                       | 51 $\Omega$   |
| Headphone Output                                       |   |
|  |   |

|   |                                      |
|---|--------------------------------------|
| Type  | ¼" TRS Active Stereo                 |
| Maximum Output                                | 60 mW/Ch @ 60Ω Load                  |
| Frequency Response (±1.0 dB)                  | 20 Hz - 30 kHz                       |
| MIDI I/O                                      |                                      |
| Type  | Dual 5-pin Female DIN                |
| Digital Audio                                 |                                      |
| ADC Dynamic Range (A-wtd, 48 kHz Sample Rate) | 105 dB                               |
| DAC Dynamic Range (A-wtd, 48 kHz Sample Rate) | 105 dB                               |
| Bit Depth                                     | 24                                   |
| Reference Level for 0 dBFS                    | +4 dBu                               |
| Internal Sample Frequency Selections (kHz)    | 44.1, 48, 88.2, 96                   |
| Power   | USB 2.0 bus-powered                  |
| Physical                                      |                                      |
| Dimensions                                    | 1/3U (steel chassis)                 |
| Height  | 5.5" (139.7 mm)                      |
| Depth   | 1.75" (44.45 mm)                     |
| Width   | 5.5" (139.7 mm)                      |
| Weight  | 5 lbs (2.27 kg)                      |
| General                                       |                                      |
| Type  | Large-diaphragm condenser microphone |
| Element                                       | Electret                             |
| Polar Pattern                                 | Cardioid                             |
| Frequency Response                            | 40 Hz - 18 kHz                       |
| Sensitivity                                   | -39 dBV/pa (12.2 mV/pa)              |
| Rated Impedance                               | 200Ω                                 |
| Equivalent Input Noise (EIN)                  | 20 dB                                |
| Maximum SPL                                   | 136 dB SPL                           |
| Phantom Power Required                        | +12 to +52 VDC, 3 mA                 |
| S/N Ratio                                     | 74 dB                                |
| Dynamic Range                                 | 11 dB                                |
| Current Consumption                           | 3.5 mA                               |
| Physical                                      |                                      |
| Diameter                                      | 2.13" (54 mm), maximum               |
| Length  | 6.69" (170 mm)                       |
| Weight  | 11.3 oz. (320g)                      |