

VCM-100

USB MIDI & Audio Controller



Portable Mixing Workstation!

INTRODUCTION

The VCM-100 is a compact USB MIDI & audio system, designed with Vestax's mechatronics technology developed in the past 30 years. Despite its compact size, the VCM-100 comes with 4in4out(Stereo x 2 in/out)connection, headphone output and high quality mechanical parts placed in the control section. Having every feature fitted in to a solid metal body smaller than a standard laptop, the VCM-100 is easy to use and transportation friendly, which makes it the simple all-in-one USB audio interface that all PRO's want.

MINIMUM SYSTEM REQUIREMENTS

<Operating System>

***Windows**
Requires Windows XP Service Pack 2. Does not support Windows 2000/98/Me
NOTE: DO NOT connect to a Windows 2000 Professional PC. The display will turn blue screen and the computer will freeze.

***Macintosh**
Supports Mac OS X 10.3.9 / 10.4.7. Does not support previous system versions.
Multi client environments that operate the VCM-100 with more than 1 software are not supported.

<Hardware>

***Windows**
CPU: Pentium III 500 MHz (Advanced CPU required for laptops)
Memory: 256MB RAM
USB 1.0/2.0 Interface

***Macintosh**
CPU: Macintosh G3 600/G4 667MHz (Advanced CPU required for laptops)
Memory: 256MB RAM
USB 1.0/2.0 Interface

These minimum system requirements are for the VCM-100 hardware. If the software's system requirements are higher than the VCM-100, please prepare an advanced operating system qualified.
Macintosh CPU accelerator cards are not supported. The computer must have USB connection.

FEATURES

- > 60 parameters of various software are assignable to the VCM-100's control section via USB MIDI IN/OUT.
- > The DATA SEND LED provides clear visual of the current status to assist in an authentic play mode in real time.
- > Monaural 4 in/ Stereo 2 out (Master out L,R, Monitor/Booth out L,R), Headphone output.
The VCM-100 provides a high definition sound, thanks to the audio codec IC designed with a built-in hardware sample rate converter, delta-sigma conversion 20bit stereo D/A converter and 18bit stereo A/D converter.
- > Support for ASIO 2.0, CoreAudio and MME / WDM, MAYA44 USB is compatible to all major music and DJ and DAW applications.
- > ESI(Ego systems Inc) designed ASIO driver applied for its proven high reliability.DAW application software and DJ application software work with the driver at a valiant low latency rate and high performance. (Windows will identify the VCM-100 as a 2in2out USB audio device when using the standard Windows WDM driver. Use the ASIO driver when using multi input/output with DTM application software.)
- > The VCM-100 provides simple plug & play features working with Apple and Windows computers.
- > The power source is selectable from USB bus-power and the exclusive power adaptor(not included). (For best performance and stable operation, please use the power adaptor if the computer's power capacity is low or if using a USB hub)
- > There are no issues if you don't have any software to operate. TRAKTOR LE (Native Instrument Inc.) is bundled to the VCM-100 with exclusive control assignment files.
- > Compatible with all software that allows MIDI control assignment. 3 versions of firmware can be selected to have the best match with the software. Each software's samples of MIDI control assignment files will be available at www.vestax.com soon.
- > The compact metal body is thin but highly durable, and convenient for transportation.



SPECIFICATIONS

<ANALOG AUDIO>

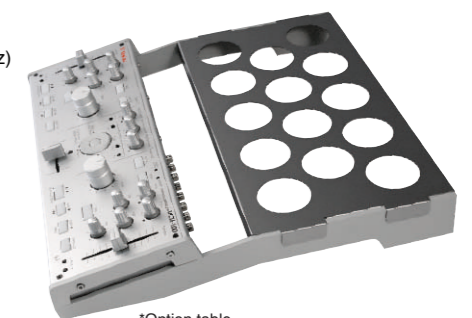
1. Sample Rates
44.1kHz, 48kHz
2. Analog Input
1) connector type: 4 channel analog inputs
* 4 RCA connectors (line in 1,2,3,4)
2) -10dBV input level, unbalanced
3) impedance: 10K Ohm
4. Analog Output
1) connector type: 4 channel analog line outputs
* 4 RCA connectors (Master out L,R, Monitor/Booth out L,R)
2) -10dBV output level, unbalanced
3) impedance: 100 Ohm
4. Headphone Amplifier
1) THD+N/S: -70dB, 0.03% (typical)
2) output power: 60mW max
3) signal to noise ratio: 110dB (typical)

<DIGITAL AUDIO>

1. Sample Rates
44.1kHz, 48kHz
2. A/D Converter
1) resolution: 18-bit
2) dynamic range: 85dBA
3) frequency response: 20~20KHz (@ fs=48kHz)
3. D/A Converter
1) resolution: 20-bit
2) dynamic range: 87dBA
3) frequency response: 20~20KHz (@ fs=48kHz)

<DRIVER SOFTWARE>

1. ASIO 2.0 support (Windows)
4 input channels / 4 output channels
2. CoreAudio support (Mac OS X)
4 input channels / 4 output channels
3. MME/WDM support (Windows)
2 input channels / 2 output channels



*Option table