

Roland

OCTA-CAPTURE

Hi-Speed USB Audio Interface

10 Inputs/10 Outputs

Eight Mic Preamps

Auto-Sensitivity Function

VS Streaming Drivers

Four Direct Monitor Mixers

Onboard Dynamics and Reverb FX

24-bit/192kHz



The Next Generation

Uncompromised quality and performance ...
welcome to a new era in personal recording!



Compact and easy to use, the OCTA-CAPTURE Hi-Speed USB Audio Interface provides superb sound quality for the most demanding professional audio production applications. Featuring 10 inputs, 10 outputs, eight mic preamps, resolution up to 24-bit/192 kHz, and no-compromise specs and components, this interface sets a new standard in portable PC-based recording.

Plug into the future of music production with OCTA-CAPTURE.



OCTA-CAPTURE

Hi-Speed USB Audio Interface



for Microsoft® Windows® /
Windows Vista® / Windows XP®

for Mac OS X

USB2.0

WDM
Windows®

ASIO™
2.0

Core Audio
Mac OS X

AUDIO
10 in/10 out

AUDIO
24-bit/192 kHz

MIDI
1 in/1 out

VS PREAMP

VS STREAMING

Eight channels with VS Preamps for pure, transparent sound

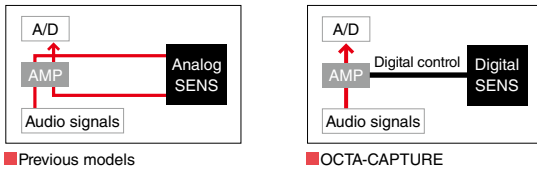
OCTA-CAPTURE delivers the very best in high-quality audio. The eight-channel analog input section is equipped with Roland's newly developed VS Preamps, which feature a Class A design for pristine detail and performance. Based on our acclaimed V-STUDIO 700 circuitry, these microphone preamps are built with carefully selected, premium audio components that provide an input-equivalent noise level specification of -123 dB, among the best in the industry.



VS PREAMP

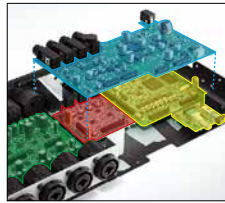
Minimal analog circuitry reduces unwanted noise

VS Preamp technology eliminates noise from internal parameter operations such as low-cut filtering and phase inversion, and from the analog circuitry for the meter display. Since many parameters are digitally controlled by the built-in DSP, the reduction of analog circuitry helps eliminate extraneous noise.



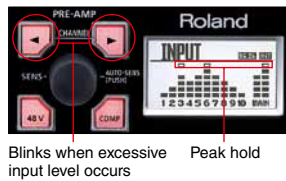
Specially designed low-noise power circuitry

OCTA-CAPTURE's analog and digital sections are completely segregated to eliminate noise and crosstalk. Also, the way that the internal electronics connect to the power supply has a major impact on sound quality, and great care went into this part of the circuit design to ensure the finest audio performance. In addition to the analog and digital power supply circuitry, OCTA-CAPTURE is equipped with an independent power supply dedicated solely for phantom power: this ensures a stable supply of power, even when eight mics are plugged in simultaneously.



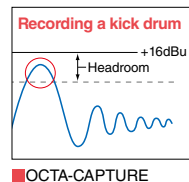
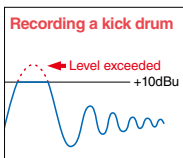
Large LCD with peak indicator

OCTA-CAPTURE's front panel features a large LCD level meter that provides excellent visibility. You can monitor input levels on all channels simultaneously, and use the peak-hold function to help you make fine settings for achieving optimum levels. The Channel Select switch to the left of the LCD doubles as a peak-indicator lamp; it blinks red when the peak level is exceeded, allowing you to instantly recognize excessive input levels from a distance.



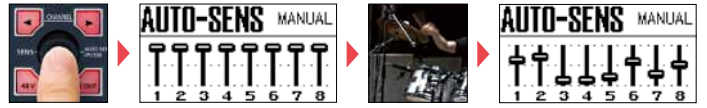
Pro features for perfect drum recordings

With its eight mic preamps, OCTA-CAPTURE is ideal for multi-mic recordings, such as recording drums. Additionally, Channels 7 and 8 provide up to +16 dBu of extra headroom, helping you capture distortion-free recordings of kick drums and other extremely dynamic sources that are notoriously difficult to record.



AUTO-SENS automatically sets the input level for each channel

With AUTO-SENS, OCTA-CAPTURE sets the perfect levels for you. Just play the connected instruments, or sing if you're using a vocal mic, and AUTO-SENS will calculate the optimum setting for each input. This innovative function is a great time-saver that makes session set up quick and easy.



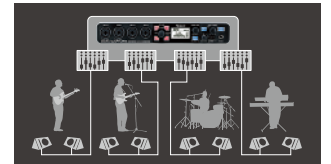
Press the AUTO-SENS button, play the connected instruments, and OCTA-CAPTURE automatically sets the perfect recording levels.

High-performance DSP onboard with support for four discrete mixes

OCTA-CAPTURE's high-performance DSP provides 40-bit internal processing capability, allowing you to perform a variety of latency-free mixing, monitoring, and patching tasks without burdening your computer. The built-in mix function provides effects such as reverb and digital compression, and you can output four separate mixes, each customized for different monitoring requirements.



■ Direct mixer control



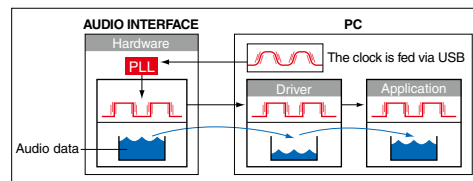
■ Four discrete mixes

VS Streaming achieves extreme low-latency recording

OCTA-CAPTURE is equipped with Roland's latest audio-streaming technology, VS Streaming, which delivers rock-solid performance with unprecedented low latency, low jitter, and clear sound through a refined integration of driver and hardware. WDM/ASIO 2.0 (Windows) and Core Audio (Macintosh) driver versions are available, making OCTA-CAPTURE compatible with a wide range of DAW programs.

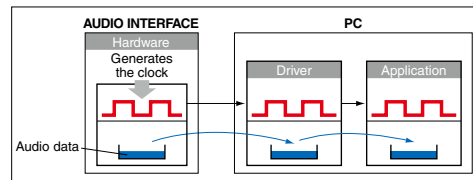
VS STREAMING

What is VS Streaming? VS Streaming is Roland's innovative audio-streaming technology that achieves super-low latency, excellent sound quality, and high performance by syncing the entire system (driver and hardware) to a high-precision dedicated clock.



■ Previous models

Many audio interfaces sync to your computer's clock, and jitter (timing fluctuation) occurs, causing latency issues and unclear audio.



■ OCTA-CAPTURE

OCTA-CAPTURE internally generates a high-precision clock dedicated solely to audio. Because clocking does not rely on your computer's performance, greater system syncing stability is achieved, as well as low latency and clear sound quality.

Meticulous attention to detail

OCTA-CAPTURE was designed with even the subtlest details in mind. The headphone output features +16 dBu of gain, enabling solid monitoring even when recording in high-dB settings. The exterior is made of rugged metal, yet it's lightweight and compact, and you can attach the included rack ears to mount it in a rack. OCTA-CAPTURE is also equipped with a one-in/one-out MIDI interface.



■ Rackmount setup

Bundled with Cakewalk Production Plus Pack

Cakewalk's acclaimed SONAR LE DAW program is included, along with high-quality software synths and a diverse range of plug-in effects.



Use OCTA-CAPTURE as an I/O expansion unit for the V-STUDIO series

V-STUDIO 700 and V-STUDIO 100 owners can expand their I/O with OCTA-CAPTURE. Your DAW program will recognize V-STUDIO and OCTA-CAPTURE as a single audio device, letting you handle all inputs and outputs seamlessly.



The V-STUDIO series provides the ideal integrated production environment

V-STUDIO 700

for Microsoft® Windows® 7 / Windows Vista® / Windows XP

In addition to its ergonomic control surface, the V-STUDIO 700 offers pro-spec I/O and an onboard Phantom VS sound module. This is the flagship system in the V-STUDIO series, and comes bundled with the SONAR 8.5 Producer DAW program.

V-STUDIO 100

for Microsoft® Windows® 7 / Windows Vista® / Windows XP

The V-STUDIO 100 offers powerful music-production features in a compact package. It comes bundled with SONAR VS—a DAW program specially designed for the V-STUDIO 100—and the VS Production Pack, which includes a diverse range of plug-ins.

Front Panel



Rear Panel



Specifications

- **Number of Audio Record/Playback Channels** [Sampling Frequency = 44.1 kHz, 48 kHz, 96 kHz] Record: 12 channels, Playback: 10 channels [Sampling Frequency = 192 kHz] Record: 4 channels, Playback: 4 channels
- **Signal Processing** PC interface: 24-bit, AD/DA Conversion: 24-bit, Internal: 40-bit
- **Sampling Frequency** AD/DA Conversion: 44.1 kHz / 48 kHz / 96 kHz / 192 kHz, DIGITAL (IN/OUT): 44.1 kHz / 48 kHz / 96 kHz
- **Nominal Input Level** Input Jack 1 — 6 (XLR type): -56 to -6 dBu, Input Jack 7 — 8 (XLR type): -50 to +0 dBu, Input Jack 1 — 8 (1/4-inch TRS phone type): -46 to +4 dBu
- **Nominal Output Level** OUTPUT 1 — 8: +0 dBu (balanced)
- **Headroom** 16 dB
- **Input Impedance** Input Jack 1 — 6 (XLR type): 5 k ohms (balanced), Input Jack 7 — 8 (XLR type): 10 k ohms (balanced), Input Jack 1 — 8 (1/4-inch TRS phone type): 17 k ohms (balanced)
- **Output Impedance** OUTPUT 1 — 8: 1.8 k ohms (balanced), PHONES: 47 ohms
- **Frequency Response** 192.0 kHz: 20 Hz to 90 kHz (+0/-8 dB), 20 Hz to 60 kHz (+0/-2 dB), 96.0 kHz: 20 Hz to 40 kHz (+0/-2 dB), 48.0 kHz: 20 Hz to 22 kHz (+0/-2 dB), 44.1 kHz: 20 Hz to 20 kHz (+0/-2 dB)
- **Residual Noise Level** INPUT 1 — 2 → MAIN OUT: -87 dBu typ. (GAIN: min., 600 ohms terminated, IHF-A)
* Internal Direct Monitor Mixer setting: Stereo Link: ON, Input channel fader: Unity
- **Dynamic Range** [AD block] INPUT 1 — 8: 104 dB typ. (GAIN: min.) [DA block] OUTPUT 1 — 8: 113 dB typ.
- **Display** 128 x 64 dots Graphic LCD (backlit LCD)
- **Connectors** Input Jacks 1 — 8 (XLR type / 1/4-inch TRS phone type): XLR type (balanced/phantom power +48 V), 1/4-inch TRS phone type (balanced), Coaxial Input Connector, Coaxial Output Connector, Headphone Jack (Stereo 1/4-inch phone type), Output Jack 1 — 8 (1/4-inch TRS phone type (balanced)), MIDI Connectors (In, Out), USB Connector
- **Power Supply** DC 9 V (AC adaptor)
- **Current Draw** 1.45 A
- **Dimensions** 283.8 (W) x 157.9 (D) x 50.4 (H) mm / 11-3/16 (W) x 6-1/4 (D) x 2 (H) inches
- **Weight** 1.32 kg / 2 lbs 15 oz
- **Accessories** Rack Mount Angle x 2, Owner's Manual, Cakewalk Production Plus Pack DVD-ROM, Driver CD-ROM, AC Adaptor, USB cable

* 0 dBu = 0.775 Vrms

System Requirements^{*1}

Windows

- **OS** Microsoft® Windows® 7 / Windows Vista® / Windows® XP Home / Windows® XP Professional SP2 or later^{*2}
- **Computer** Windows-compatible PC with USB 2.0 port
- **CPU/Clock** Intel® Core™ 2 Processor 1.6 GHz or higher
- **Memory (RAM)** 1 GB or more (2 GB or more is recommended)

Macintosh

- **OS** Mac OS X 10.4.11 or later^{*3} (10.5.7 or later for Production Plus Pack^{*4})
- **Computer** Apple Macintosh series
- **CPU/Clock** Intel® Core™ Processor
- **Memory (RAM)** 1 GB or more (2 GB or more is recommended)

*1 This product has been tested on representative computers that meet the system requirements, but we cannot guarantee that it will operate on any computer that meets these requirements. Please be aware that even under the same conditions, differences in the operating environment may produce differences in performance.

*2 This product does not support Windows XP Media Center Edition or XP Professional x64.

*3 Macintosh computers running Microsoft Windows are not supported.

*4 Please note: SONAR LE does not run on Mac OS

- To use at 192 kHz, Intel® Core™ 2 Processor/2 GHz or higher and built-in 7200 rpm or faster hard drive are required.
- To use two OCTA-CAPTUREs Intel® Core™ 2 Processor/2 GHz or higher and built-in 7200 rpm or faster hard drive are required. To use two OCTA-CAPTUREs at 96 kHz or higher, one separate built-in SATA or faster hard drive dedicated for audio recording is required. (A USB hard drive cannot be used.) In case of Macintosh, Mac OS X v10.5.8 or later is required.

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