

EDIROL

Products by **Roland**



EDIROL
Audio Products Catalog
2004

EDIROL



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USB Audio Capture
UA-1000



Whether you're at home, on location, or in the recording studio, get the highest quality full duplex I/O with the world's first USB 2.0 audio interface.

The UA-1000 is the first high-performance audio interface in the world to support Hi-speed USB (USB 2.0), which makes high-speed data transfer possible. As the flagship model of the popular UA Series, it provides the best possible recording environment by offering high-quality audio I/O for personal computers.

A world first! High-speed data transfer with USB 2.0.

USB 2.0, with a high data transfer speed of 480 Mbps, is over 40 times faster than the previous USB 1.1. Smooth data transfer even during multi-channel, simultaneous recording and playback.

24-bit, 96 kHz full duplex recording and playback on 10 independent channels.

Capable of simultaneous recording and playback over ten independent channels when using 24-bit, 96 kHz audio signals. With 40-bit internal processing, signal processing is of the highest grade.

Equipped with high-quality mic preamp.

The analog circuit is designed for nothing but the finest in sound quality. Equipped with four separate full mic inputs and a mic preamp made with carefully selected analog parts for high sound quality, same as used in Roland VS-2480.

Four separate combo jacks provide plenty of I/O potential.

Comes with four separate inputs on front panel (standard XLR/TRS, Hi-Z compatible). A S/P DIF digital I/O (optical/coaxial) and eight separate input and output jacks come standard on the rear panel. 4 x Inserts I/O for effects sends and returns.

Built-in ADAT interface.

Supports ADAT format 8-channel I/Os. Data transfer between a computer and ADAT or a digital mixer is possible using only the optical interface connection.

Packed with high-level features such as word clock I/O.

-Equipped with MIDI I/O ports. -Supports word clock I/O. -Supports WDM and ASIO 2.0. Equipped with zero latency direct monitoring function. -Built-in mixer and patch bay in the Control Panel.



24 bit/96 kHz USB Audio and MIDI interface

UA-25



High performance audio interface in a compact unit.

Professional-spec mobile recording.

Our newest USB audio interface is capable 24-bit, 96 kHz audio input and output. We've put professional-spec audio performance into a compact, solid metal body. Once connected, power is simply taken from the USB bus.

Supports a wide range of recording environments.

The compact metal body is built tough for mobile use. And it also makes an ideal simple interface on your desktop. By offering features demanded in pro-grade equipment such as +4dB balanced inputs and outputs and an analog limiter to prevent clipping your input signal, over-loaded input, the UA-25 offers a highly reliable, low-noise recording environment.

Equipped with full range of I/O jacks in a compact body.

Comes with XLR/TRS combo jacks on the front panel. With high-quality mic preamp that supports phantom power and a Hi-Z input, the UA-25 can handle any input source. Also supports S/P DIF digital I/O (optical).

Provides an ideal low latency environment.

The UA-25's zero latency direct monitor makes laying down multiple tracks easy. Audio driver offers wide support, including for WDM, ASIO2.0, and CoreAudio. Also, since the MIDI interface employs FPT, MIDI I/O is fast, efficient, and stable.

FireWire Audio Interface

FA-101



Portable 10x10 compact, mobile FireWire audio at home or on the road.

The FA-101 has the highest specs available to support your most demanding applications. You get 24-bit, 192kHz simultaneous recording and playback in a compact 1U half-rack unit, with all the headroom you need.

Supports up to 24 bit, 192 kHz.

Equipped with sophisticated AD/DA converter that makes it an industry top by supporting 24-bit, 192 kHz simultaneous recording and playback. Music creation with DVD quality is possible.

Compatible with Mac OS X standard driver.

Out-of-the-box compatibility with Mac OS X (Panther) standard FireWire audio driver. Combines the excellent stability of the OS standard driver and 24-bit, 192 kHz high performance with plug and play.

Two independent, on board mic pre-amps.

Equipped in the front panel with 2-channel high-quality phantom power mic preamps. Carefully selected analog parts are used to ensure that sound is crystal clear.

Capable of full duplex recording and playback on 10 independent channels.

Despite the compact body, 10 independent channels are available for recording and playback when working with 24-bit, 96 kHz audio, and full duplex 6 x 6 channels are available when working with 24-bit, 192 kHz audio. Also comes with MIDI interface.

Bus powered and durable metal construction for mobile applications.

Beautiful aluminum body finished in vivid red. Ability to take power from the FireWire bus makes it ideal for mobile music creation environments.

Lots of ins and outs to support a wide range of recording and gigging applications.

Equipped with a wide range of I/O jacks. Packed into this unit are jacks such as two Neutrik XLR/TRS combo jacks, a high impedance jack (Hi-Z) for directly connecting a guitar or bass, and even a S/P DIF digital I/O port (optical).

USB Audio Interface

UA-700



The guitarist's favorite with on board guitar amp simulator, mic modeling, and effects.

-Equipped with guitar amp simulator and microphone modeling backed by original COSM technology. -Includes wide variety of effects such as compressor and reverb. -Supports 24-bit, 96 kHz I/O. -Full range of I/O jacks including 2 x XLR combo jacks and dedicated guitar input jack (Hi-Z). Also comes with MIDI ports.

USB Audio Interface

UA-5



Lots of inputs, mic pre's and quiet, high quality sound all in one compact, easy interface.

-Supports 24-bit, 96 kHz I/O. -Variety of I/O jacks on a compact 1U half rack unit. -Equipped with high-impedance jack (Hi-Z) for direct guitar or bass connection. -Supports direct monitoring with zero latency.

24 bit/96 kHz USB Recording System

UR-80



- Cakewalk SONAR
- Steinberg Cubase
- Emagic Logic Platinum/Gold/Audio
- MOTU Digital Performer
- Digidesign ProTools LE
- Magix Samplitude
- Ableton Live
- Propellerhead REASON
- Roland MCR-8 compatible software

■ UR-80 editor screen



Comfortable control surface with high-quality audio and MIDI interfaces in a single unit.

Combining the UR-80 with off-the-shelf DAW software gives you full-fledged, PC-based multi-track recording. Integrating a graphical user interface with an intuitive control surface, your recordings will meet pro specifications while you enjoy easy operation.

Easy recording environment using a single cable.

An easy-to-use recording environment is yours by combining the UR-80 with various DAW applications and software synthesizers. Adding to the efficient editing possible with a computer's graphical user interface, the UR-80's knobs and faders can be used to intuitively control the software.

Freely customizable control surface.

Furnished with 43 physical controllers, control is possible using as many as 136 MIDI messages. Since controllers sources can be freely assigned, customization is possible that complies with the software you are using. Also, control maps optimized for each application are provided, so major music applications can be used right away without the need for complicated settings.

24-bit, 96 kHz recording with easy operation.

The UR-80 supports high-quality 24-bit, 96 kHz recording. Along with 2 x on-board high-quality mic preamps, phantom-power-capable combo jacks are also provided.

Bundled with convenient software for recording.

The UR-80 comes with editing software so you can also control UR-80 settings from your Computer.

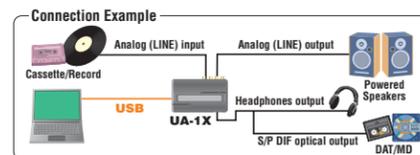
USB Audio Interface

UA-1X



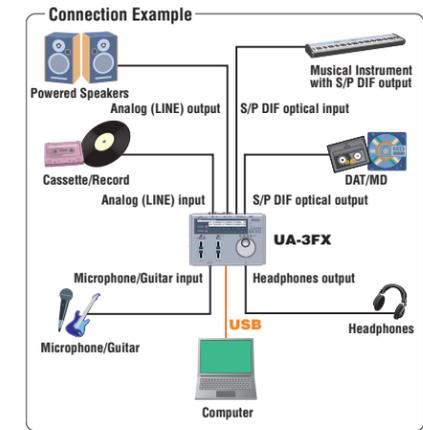
Loading audio materials is a snap with this cable-type audio interface.

- Equipped with stereo I/O line jacks and an 1/8" phone S/P DIF optical port to enable digital output to DAT/MD/CD recorders, etc.
- Volume adjustable headphone jack (doubles as S/P DIF optical port).
- Supports up to 16 bits and 48 kHz.
- Comes with LED monitor for verifying audio signal.



USB Audio Capture

UA-3FX



An audio interface that reduces sound quality loss, easily records from cassette tapes or records, and saves the sound.

The UA-3FX, while compact, supports high-quality, 24-bit sound input and output. It is also equipped with an audio processor that is convenient for recording analog records or cassette tapes, or for mastering on a computer.

High-quality recording/playback at 24 bits and AF Technology.

24-bit I/O means original quality is left as is. It makes high-quality recording and playback possible. Using original AF (Adaptive Focus) Technology, the 32-bit DSP splits use of two high-sound-quality AD converters to make rich and powerful recording possible that covers both soft and loud sound.

Three variations with 11 digital effects built in.

Including a noise suppressor and limiter, three variations comprising 11 digital effects can be put to powerful use during recording or playback. Adjustment of sound quality is handled in real time by a single knob. Also, the loop back function makes it possible to adjust the sound quality of existing sound files and then re-save them.

A full range of I/O jacks starting with optical digital.

In addition to an input jack for both guitar and mic, a dedicated mic jack with plug-in power (1/8" phone plug), and a convenient I/O line jack, for connecting audio devices, are provided. A S/P DIF digital I/O port (optical) is also provided, which makes it easy to connect digital devices.

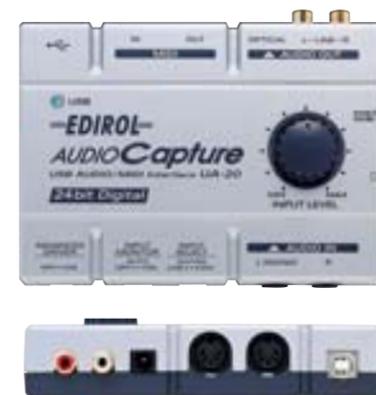
AF (Adaptive Focus) Technology

Adaptive Focus Technology is the new, advanced technology for high quality recording, applied in the UA-3FX. The UA-3FX has two units of 24 Bit AD converters and one unit of 32 Bit DSP in order simply to record quality sound, yet it can perform very important purpose. The DSP works as a brain managing each

AD converter appropriately according to sound expression. As a result, both are organically working each other, and AF Technology can realize delicate sound expressiveness with keeping dynamic sound that we have never achieved with one unit of AD converter.

USB Audio/MIDI Interface

UA-20



Interface for audio and MIDI that boasts powerful functions in a lightweight, compact unit.

Audio and MIDI in a compact unit.

A 24-bit USB audio interface for high-quality audio I/O and a MIDI-I/O-capable USB MIDI interface have been condensed into a single unit.

Fully equipped with I/O jacks.

Comes with two standard audio input jacks. Input jacks can be used for line, mic, or guitar and switching them is nothing more than a simple touch of the input source switch. For output terminals, it comes with S/P DIF digital (optical) and RCA jacks. Also, a headphone jack is provided with adjustable volume.



Great tool for creating music.

As a USB Audio/MIDI device for making music, the UA-20 is perfect for those using a computer-based software synthesizer or for those using a MIDI device such as a keyboard.

Supports direct monitoring and FPT.

Direct monitoring is supported with zero latency. Also, since the MIDI interface employs FPT, MIDI I/O is fast, efficient, and stable. It can also take power from the bus, which makes it great for mobile applications.

MIDI Keyboard Controller
PCR-M1

NEW



S.L.I.M.
(S.L.I.M.: Short-stroke, Low-profile Impact Mechanism)
We've taken all measures to make it thin yet easy-to-play.

PCR-M1/1: 28 mm/1-1/8 inches
PCR-70: 73 mm/2-7/8 inches

Employing the newly developed S.L.I.M. standard size keyboard, we've succeeded in cutting thickness to less than half PCR-70's while still maintaining the superior playability of the PCR Series.

Introducing a standard MIDI keyboard model applying S.L.I.M. design that covers a wider range of MIDI performance applications.

-Equipped with MIDI IN and OUT ports for direct control of MIDI devices. Simultaneous signal export to MIDI OUT and USB is also possible. -Choose among three power supplies to suit the application (USB, battery, and optional AC adaptor). -Equipped with external pedal ports for sustain, expression, or more (fully assignable).

Packed into a 28 mm/1-1/8 inches thin compact body.

At 28 mm/1-1/8 inches and 1500 g/ 3 lbs 5 oz, the ultra-thin, lightweight body holds a MIDI keyboard and MIDI controller. Furthermore, since it's capable of running on USB bus power, combining it with a laptop computer turns it into the ideal mobile workstation.

Uses the newly developed "S.L.I.M." standard-size keys.

Despite its thin profile, the newly developed S.L.I.M. (Short-stroke, Low-profile Impact Mechanism) keyboard features a touch sense function. It uses standard size keys, which make it possible to even play in real time.

Equipped with 27 fully assignable physical controllers.

The PCR-M1 provides 27 physical controllers that allow you to control all sorts of software such as software synthesizers. Various MIDI messages can be assigned, such as Control Change, RPN, NRPN, and SysEx.

Easy parameter settings with PCR editor.

Any parameter assignment can be made from a computer. You can also download optimized setting files from the Web.

USB Audio Interface/MIDI Keyboard Controller
PCR-1



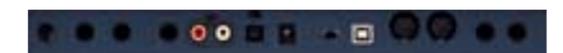
Featuring a 28 mm/1-1/8 inches thin compact body, this standard-size 25-key MIDI keyboard with built-in audio interface offers mobility.

The PCR-1 is both a USB audio interface and MIDI keyboard controller that boasts light weight and a thin profile unavailable in a product like this until now. Comes with its own gig bag made of highly cushioned material so you can throw it in your bag and take it wherever you go. Used with a laptop, it provides an ideal mobile solution.

24-bit, 96 kHz audio I/F function.

The audio interface supports 24-bit, 96 kHz audio signals. In addition to analog I/O jacks, a 1/8" phone S/P DIF digital output port (optical) is provided.

USB Audio Interface/MIDI Keyboard Controller
PCR-A30



High-quality audio and MIDI interfaces combined with versatile control surface.

-Fulfills multiple functions such as audio recording, DAW control, and MIDI input. -Equipped with 27 fully assignable physical controllers that allow you to control any MIDI parameter. -Equipped with 24-bit, 96 kHz audio interface. -Ability to take power from the bus empowers it for mobile applications. -Comes with headphone jack as well as mini stereo speakers on the sides.

MIDI Keyboard Controller
PCR-80/PCR-50/PCR-30



PCR-80 **61 keys**



PCR-50 **49 keys**



PCR-30 **32 keys**



Provides 27 physical controllers for effortless music making. Represents a new generation in MIDI keyboard controllers.

Featuring a richly expressive touch sensitive keyboard, 27 fully assignable physical controllers, and a high-performance bender, any popular software synthesizers can be controlled with ease. The three 61-, 49- and 32-key models in the series can each be powered by the USB bus. Choose one that'll fit your space and satisfy your needs.

Standard size keyboard and high performance bender.

In pursuit of expressive power and easy playing, we've used touch-sensitive standard size keys. Pitch bending and modulation using the high-performance lever will provide limitless expression.

27 fully assignable physical controllers for operation that's really smooth.

Any MIDI parameter can be assigned to the 27 physical controllers to enable smooth, real-time control. Also supports V-LINK so you can link visuals to a performance when a compatible video device is connected.

Settings for many major applications are already prepared.

Starting with MIDI sequencing software, optimized settings for popular applications are already inside the keyboard. Customizing is fast and easy by following the self-illuminating buttons and LED display.

Control map files for all applications are available on the Web.

Control map files optimized for software synthesizers and most of popular applications are publicly available on the Web. Timely software upgrades are also available.

Easy parameter settings with PCR Editor.

Any parameter assignment can be made from a computer. You can fully customize the keyboard to give it the specs you want.

V-LINK
V-LINK is a function that provides for the play of music and visual material. By using a V-LINK compatible product, visual effects can be easily linked to, and made part of the expressive elements of a performance.

8 IN/8 OUT USB MIDI Interface & MIDI Patcher

UM-880



MIDI interface and patcher with 8-in/8-out and support for high-speed, large-capacity data transfers using USB.

-An 8-in, 8-out MIDI interface and MIDI patcher combined in one unit. -FPT is used to realize high-speed yet stable MIDI data transfers. -MIDI patching uses hardware-based HDMR to keep low latency. -MIDI routing and merge settings can be made instantly using the buttons on the front panel. -Up to four UM-880s (512 channels) can be used at the same time.

FPT

FPT (Fast Processing Technology) is a newly developed technology making MIDI transmission extraordinarily fast. In response to a regular flow of MIDI data, FPT optimizes the USB data transmission band building up to rapid MIDI transmission. With this technology, MIDI transmission becomes steadily faster and more efficient resulting in very low latency. FPT is compatible with the MIDI software sequencer of your choosing.

HDMR

HDM (Hardware Direct MIDI Routing) is a new technology which implements a MIDI patcher function in the hardware. HDMR results in ZERO latency MIDI patching by allowing direct connection of certain MIDI In and MIDI Out ports. There is no delay generated within the entire MIDI data transmission process - unlike what may happen in software-based solutions. Thanks to HDMR, routing can be achieved with or without an USB connection. Patching operations are as simple as pushing the appropriate channel button on the front panel. Patch settings can also be written in the internal memory of the UM-880.

5 IN/5 OUT USB MIDI Interface & MIDI Patcher

UM-550



The advanced, high-performance USB MIDI interface & patcher with 5 ins and 5 outs in a US letter size box.

-A 5-in, 5-out combined MIDI interface and patcher. -MIDI patching uses hardware-based HDMR to keep latency low. -FPT is used to realize high-speed yet stable MIDI data transfers. -Full range of utility functions for such things as checking for MIDI signal cutoff.

2 IN/2 OUT USB MIDI Interface

UM-2



Compact 2-in 2-out MIDI interface

-MIDI interface with 2 in and 2 out I/O ports. -MIDI control of up to 32 channels possible. -Eliminates need for AC adaptor by taking power from USB bus. -Equipped with LED indicators to make MIDI I/O signals visible

1 IN/1 OUT USB MIDI Interface

UM-1X



Simple, compact integrated MIDI interface cable.

-Integrated MIDI interface cable with 1-in, 1-out port. -Eliminates need for AC adaptor by taking power from USB bus. -Equipped with LED indicator to allow MIDI I/O sign.

1 IN/1 OUT USB MIDI Interface

UM-1SX



MIDI interface for connecting a cable chosen for ideal length.

-MIDI interface with 1-in, 1-out female port. -Eliminates need for AC adaptor by taking power from USB bus. -Equipped with LED indicator to allow MIDI I/O sign.

STUDIOCanvas

SD-90



MIDI sound module, audio interface and effects integrated into a single unit.

-Integrates premium MIDI sound module, 24-bit audio interface, and a multi-effects processor. -MIDI effects comprised of 3 effects processors with 90 different multi-effects. -Equipped also with multi-effects for audio using a custom DSP. -Bundled with dedicated editor. -1050 internal sounds and 30 internal drum sets. Up to 128 voice polyphony and up to 32 simultaneous parts.



STUDIOCanvas

SD-80



SD-90 MIDI sound module in a compact body.

-The sound module section of the high-quality SD-90 condensed in a US letter size box. -Multiple outputs enable parts to be output separately. -Bundled with dedicated editor that enables you to freely edit sounds, parts, and effects. -1050 internal sounds and 30 internal drum sets. Up to 128 voice polyphony and up to 32 simultaneous parts.



STUDIOCanvas

SD-20



A stylish, high-quality sound module.

-A compact body filled to the brim with the high quality sounds famed in the SD-90/80. -Supports USB bus power for mobile use. -1/8" phone S/P DIF digital output (optical) as well as RCA audio output jacks are provided. -Bundled with dedicated software for easy editing of original sounds. -660 internal sounds and 23 internal drum sets. Up to 64 voice polyphony and up to 32 simultaneous parts.



HQ Software Synthesizer

Orchestral HQ-OR



Contains richly ambient orchestral instrument sounds.

-Sound, volume and orientation of basic orchestral instruments can be automatically set at the dedicated window. Premium acoustic sounds, focusing on Strings, Woodwinds, Brass, Percussion and Keyboards. -Realistic articulations such as vibrato, tremolo, pizzicato, and spiccato - Plug-In Software Synthesizers: DXi and VST Instruments (Win/Mac). -Up to 24-bit/96kHz sampling resolution. -Multiple output (compatible with DXi 2.0 and VST 2.0). -Fully assignable MIDI control. -Bundled with Cakewalk Music Creator sequencer software. -Contains 142 sounds and 3 rhythm sets using huge waveform memory. Up to 128 voice polyphony and up to 16 simultaneous parts.



HQ Software Synthesizer

SuperQuartet HQ-QT



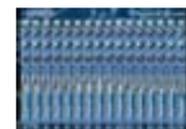
Contains piano, guitar, bass and drums for basic mainstream music

-Rich, expressive sound with max. 4-step velocity switch. -Sound editing with delicate musical nuance possible. -Plug-In Software Synthesizers: DXi and VST Instruments (Win/Mac) -Bundled with Cakewalk Music Creator sequencer software. -Contains 67 sounds and 3 drum sets. Up to 128 voice polyphony and up to 16 simultaneous parts.



HQ Software Synthesizer

HyperCanvas HQ-GM2



Contains the highest quality GM2 (General MIDI System Level 2) 256 sounds to cover all genres.

-Employs HQ synthesis engine with 32-bit internal processing to realize high-quality sound. -Bundled with Cakewalk Music Creator sequencer software. -Contains industry standard 256 GM2 sounds and 9 drum sets. Up to 128 voice polyphony and up to 16 simultaneous parts.



VIRTUAL SOUNDCanvas VSC-MP1



The expressive power of SOUND Canvas provided as software.

-Contains a rich variety of 902 sounds and 26 drum sets, all of high quality. -Contains full range of effects. -Package contains three types: standalone version, DXi version, and VST instrument version. Up to 128 voice polyphony and up to 16 simultaneous parts possible.



SPEAKER

Digital Stereo Micro Monitor **MA-20D**



Near field monitors with wooden cabinet and max. 20 W + 20 W output.

-Wooden cabinets with superior acoustic characteristics. -20W+20W, 2-way, bass-reflex design with 12 cm/4.8 inches woofers and 4 cm/1.6 inches tweeters. -Self powered with separate left-right power supplies. -Supports up to 24-bit, 96 kHz S/P DIF digital input. -Equipped with two line inputs each with its own volume control. -Independent tone controls to enable desired sound. -Comes with headphone jack.

Digital Stereo Micro Monitor **MA-10D/MA-10DBK**



■ MA-10DBK



■ MA-10D

Stereo Micro Monitor **MA-10A/MA-10ABK**



■ MA-10A



■ MA-10ABK

High quality speakers with wooden cabinet and 10 W + 10 W output.

-Excellent acoustic characteristics in a smart looking wooden cabinet that blends well with interiors. -10W+10W, 2-way, bass-reflex speakers with 9.2 cm woofers and 5 cm tweeters. -Equipped with two line inputs each with its own volume control. -Independent tone controls for getting the right sound. -Comes with headphone jack. -Supports up to 24-bit, 96 kHz S/P DIF digital optical input on front and rear panels (MA-10D and MA-10DBK only). -Stylish blue and chic black models available.

MIXER

10CH Mixer and Audio/Voice Effects **M-100FX**



Easy-to-operate mixer with a variety of audio and voice effects for audio & video editing!

- 1 NARRATION ENHANCER
Makes narrations or announcements sound clearer.
- 2 VOCAL ENHANCER
Adjusts the tonal character of the voice to give it range and brightness.
- 3 POWER COMPRESSOR
Adds power to a voice that lacks strength in the low-frequency region.
- 4 RICH CHORUS
Gives spaciousness and depth to the sound.
- 5 NOISE REDUCER
Reduces electronic hum and hiss noise.
- 6 RADIO
Simulates the noise that is often produced by a radio or analog record, creating the sensation of an old recording.
- 7 ROBOT
Gives the sound a robotic feel, with little change in pitch.
- 8 MALE
Transforms a female voice into a male voice.
- 9 FEMALE
Transforms a male voice into a female voice.



Packed with audio and voice effects, the M-100fx gives you 10 channels of mixing and high quality sound for a wide variety of audio and video applications.

-Combines a 10 channel audio mixer with 9 types of audio/voice effects and a 24-bit USB audio interface. -Ten channel audio input section that includes two separate mic inputs.

10CH 5 Stereo Mixer

M-10E



Battery-powered stereo 5-channel mixer is great for mobile applications.

-While compact, it's capable of up to 5 stereo channel (10 in) analog mixing. -5 stereo channels comprising 4 stereo inputs, which includes mic, and an AUX IN. -Also supports battery operation for mobile applications. -Equipped with RCA and standard output jacks.

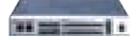
AUDIO INTERFACE

	 UA-1000	 FA-101	 UA-25 NEW	 UA-700	 UA-5	 UR-80	 UA-3FX	 UA-20	 UA-1X
Main Function	Multi I/O audio interface	Multi I/O-audio interface	USB Bus-powered Audio and MIDI Interface	Audio Interface with COSM Mic &Guitar Amp Modeling COSM	Stereo I/O Audio interface with Phantom Power Mic Preamps	Assignable Surface Controller & Audio Interface	USB Bus-powered Audio capture with effects	USB Bus-powered Audio and MIDI Interface	USB Bus-powered Audio Interface
Unique Features	USB2.0 Computer Connection 4x Channel Inserts	10x10 Bus-powered FireWire interface	Built-in Analog Limiter	Real-time sample-rate conversion!!!	Variety of Input options	8 x Assignable Faders 8 x Assignable Knobs	Built-in Audio Effects AFT (Adaptive Focus Technology)	Audio and MIDI	No Driver Disk Required
Connection to Computer	USB 2.0	FireWire	USB	USB	USB	USB	USB	USB	USB
Audio Channels	10x 10 Full Duplex	10x 10 Full Duplex	2x 2 Full Duplex	2x 2 Full Duplex	2x 2 Full Duplex	2x 2 Full Duplex	2x 2 Full Duplex	2x 2 Full Duplex	2x 2 Full Duplex
Signal Processing /Sample Rate	AD/DA 24-bit,Internal 40-bit/Up to 96 kHz	Up to 24-bit /192kHz	Up to 24 bit / 96 kHz	Up to 24-bit / 96 kHz	Up to 24 bit / 96 kHz	Up to 24-bit / 96 kHz	Up to 24 bit / 48kHz	Up to 24 bit /44.1 kHz	Up to 16 bit / 44.1 kHz
Frequency Response	96 kHz:20 Hz to 40 kHz (+0 dB/-2dB)	96 kHz:20 Hz to 40 kHz (+0 dB/-2dB)	96 kHz: 20 Hz to 40 kHz (+0 dB/-2dB)	96 kHz:20 Hz to 40 kHz (+0 dB/-2dB)	96 kHz:20 Hz to 40 kHz (+0 dB/-2dB)	96 kHz: 20 Hz to 40 kHz (+0 db/-2 dB)	48.0 kHz : 20 Hz to 22 kHz (+0 dB/-2 dB)		
DSP				COSM effects,Noise Suppressor,EQ,Chorus,Reverb,Center Cancel			Mastering,Listening, Performance		
Hardware Direct Monitoring	Selectable	Selectable	Selectable	Selectable	Selectable	Selectable	Selectable	Selectable	Yes
Audio Driver Compatibility	ASIO 2.0 (Win),WDM, MME,Sound Manager, Core Audio	ASIO 2.0 (Win),WDM, MME, Sound Manager, Core Audio	ASIO 2.0 (Win/Mac), WDM, MME, Sound Manager, Core Audio	ASIO 2.0 (Win/Mac),WDM, MME,Sound Manager, Core Audio	ASIO 2.0 (Win/Mac),WDM, MME,Sound Manager, Core Audio	ASIO 2.0 (Win/Mac),WDM, MME,Sound Manager,Core Audio	ASIO 2.0 (Win/Mac),WDM, MME,Sound Manager, Core Audio	ASIO 2.0 (Win/Mac),WDM, MME,Sound Manager, Core Audio	MME,Sound Manager Core Audio
OS	Windows XP	Windows XP, MacOS 10.3.4 or later.	Windows XP/2000/ME/98SE, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE, MacOS 9.0.4 or later. MacOS 10.2.3 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2.3 or later.
Audio Inputs	Four front-mounted XLR/TRS balanced/unbalanced combo Jacks with Phantom Power (One with Hi-Z select switch) 8x 1/4 "phone jacks S/P DIF Coaxial/Optical BNC Word Clock ADAT	Two XLR/TRS balanced Neutrix combo jacks w/phantom power and high quality preamps; Six 1/4 "TRS/balanced inputs; Front-mounted S/P DIF optical inputs	Two Neutrix XLR/TRS* combo w/phantom power * Input Jack 2: high impedance is supported S/P DIF Optical	Two Neutrix XLR/TRS combo with 20dB Pad,Lo-Cut,&Phantom Power 1/4 "Mic/Guitar Stereo RCA with Phono Preamp Optical/Coaxial S/P DIF	Two Neutrix XLR/TRS combo w/phantom power Stereo RCA Optical/Coaxial S/P DIF	Two XLR w/phantom power; Two 1/4 "Lo-Z TRS phone jack (One Lo-Z/Hi-Z Selectable) S/P DIF Optical/Coaxial	Stereo RCA 1/8 "Mic 1/4 "Guitar/Mic S/P DIF Optical	Line/Guitar/Mic x 2	Stereo RCA
Audio Outputs	8 1/4 "balanced TRS Coaxial and Optical BNC Word Clock ADAT	8 1/4 "TRS/balanced Front-mounted S/P DIF optical	1/4 "TRS phone type (balanced) 1/4 "Headphones Stereo RCA S/P DIF Optical	RCA Master Out 1/4 "Master Out 1/4 "Headphone Out Optical/Coaxial S/P DIF	Optical/Coaxial S/P DIF 1/4 "L/R main outs 1/4 " Headphones RCA	S/P DIFCoaxial/Optical Stereo 1/4 "Headphones Stereo RCA	Stereo RCA Headphone S/P DIF Optical	Stereo RCA 1/8 "Headphone S/P DIF Optical	Stereo RCA 1/8 "Headphone S/P DIF Optical
MIDI Interface	In/Out Drivers	In/Out Drivers	In/Out Drivers	In/Out Drivers	Drivers	In/Out Drivers, Hyper Canvas Soft Synth, UR-80 editing software	Drivers	In/Out Drivers	
Bundled Software				UA-700 Editor (Win/Mac)					

KEYBOARD

	 PCR-M1 NEW	 PCR-1	 PCR-A30	 PCR-80	 PCR-50	 PCR-30
Main Function	USB Bus-Powered MIDI Keyboard Controller	USB Bus-Powered Audio Interface &MIDI Keyboard Controller	USB Bus-powered Audio Interface &MIDI Keyboard Controller	USB Bus-Powered MIDI Keyboard Controller	USB Bus-Powered MIDI Keyboard Controller	USB Bus-Powered MIDI Keyboard Controller
Unique Features	Ultra-thin controller w/ innovative key action ; 3-way Power Supply:USB/Battery/AC Adaptor ; Expression and Sustain Pedal Ports	Ultra-thin controller w/innovative key action;Audio w/Direct Monitoring	Completely USB Bus-Powered Audio &MIDI Control Solution	Just the right number of keys for your application	Just the right number of keys for your application	Just the right number of keys for your application
Number of Keys	25 standard keys	25 standard keys	32 standard keys	61 standard keys	49 standard keys	32 standard keys
Number of Controllers	27 Full Assignable Controllers: 8 Knobs, 6 Buttons, and 2 Pedal Ports	25 fully assignable controllers: 8 knobs,6 buttons	27 fully assignable controllers:8 knobs,8 sliders, 9 buttons,Sustain/Expression	27 fully assignable controllers: 8 knobs,8 sliders,9 buttons,Sustain/Expression	27 fully assignable controllers: 8 knobs,8 sliders,9 buttons,Sustain/Expression	27 fully assignable controllers: 8 knobs,8 sliders,9 buttons,Sustain/Expression
V-Link	Yes	No	Yes	Yes	Yes	Yes
FPT (Fast Processing Technology)	Yes	Yes	Yes	Yes	Yes	Yes
SYS EX,NPRN,RPN	Yes	Yes	Yes	Yes	Yes	Yes
User Patch Memory Locations	16	16	16	16	16	16
OS	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.
Channels		2x 2 Full Duplex	2x 2 Full Duplex			
Signal Processing /Sample Rate		Up to 24 bit / 96 kHz	Up to 24 bit / 96 kHz			
Audio Driver Compatibility		ASIO 2.0 (Win/Mac),WDM,MME, Sound Manager,Core Audio	ASIO 2.0 (Win/Mac),WDM,MME, Sound Manager,Core Audio			
Audio Inputs		RCA line	2x 1/4 "Line/Mic/Guitar			
Audio Outputs		Stereo RCA S/P DIF Optical 1/8 "Headphones	Stereo RCA S/P DIF Optical 1/4 "Headphones			
MIDI Ports	MIDI In/Out Ports		1 MIDI In;1 MIDI Out	1 MIDI In;1 MIDI Out	1 MIDI In;1 MIDI Out	1 MIDI In;1 MIDI Out
Bundled Software	PCR Editor, Drivers (Win/Mac)	PCR Editor,Drivers (Win/Mac)	PCR Editor,Drivers (Win/Mac)	PCR Editor,Drivers (Win/Mac)	PCR Editor,Drivers (Win/Mac)	PCR Editor,Drivers (Win/Mac)

MIDI INTERFACE

					
Main Function	128 channel MIDI interface and stand alone patch bay	80 channel MIDI interface and stand alone patch bay	USB Bus-Powered 32 channel MIDI interface	USB Bus-Powered 16 channel MIDI interface	USB Bus-Powered 16 channel MIDI interface
Unique Features	and stand alone patch bay Patchbay/Router	and stand alone patch bay Patchbay/Router	Compact Portable Design	All in one MIDI interface cable	Portable MIDI interface having the advantage of utilizing any length MIDI patch cables
Ideal Application	For the sequencing aficionado, a patch bay and routing interface for multiple synths and controllers	For the more modest studio, a patch bay and routing interface for multiple synths and controllers	Any setup using two separate MIDI devices	This is the perfect MIDI interface for a laptop	You can use your own MIDI cables in conjunction with the UM-ISX allowing you to run any length from the computer.
FPT (Fast Processing Technology)	Yes	Yes	Yes	Yes	Yes
HDMR (Hardware Direct MIDI Routing)	Yes	Yes			
MIDI Utility Functions	Yes	Yes			
Memory Locations	8 sets of input/output connections	5 sets of input/output connections			
Connection to Computer	USB	USB	USB	USB	USB
Power Supply	AC Cord	AC Adaptor	USB Bus	USB Bus	USB Bus
Stand Alone Mode Capability	Yes	Yes			
OS	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later. OS Native Driver Support	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later. OS Native Driver Support	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later. OS Native Driver Support	Windows XP/2000/ME/98SE/98, MacOS 9.0.4 or later. MacOS 10.2 or later. OS Native Driver Support
MIDI Ports	8 In/8 Out	5 In/5 Out	2 In/2 Out	1 In/1 Out (Male Connections)	1 In/1 Out (Female Connection)
MIDI Cables Needed	Yes	Yes	Yes		Yes
Cable Check	Yes	Yes			
Bundled Software	Drivers	Drivers	Drivers	Drivers	Drivers
Body Type	1 U rack	Letter size, rack mountable	Compact	Compact 6" molded interface	Compact cable

SOUND MODULE

							
Main Function	Sound Generator –Audio Interface Audio EFX	Sound Module	Sound Module	Orchestral Soft Synth	Bass,Guitar,Piano and Drums Soft Synth	Soft Synth	GM2 soft synth
Ideal Application	Gigs Home studio recording	Gigs Sound designing Sequencing playback	Gigs Home studio MIDI file synth	Composing needing authentic orchestral instrumentation	Back up for rock band	Composing/playback of MIDI files when exceptional quality is necessary	MIDI file player and MIDI file to wave converter
Number of sounds	1050	1050	660	142 Presets/216Users	67 Presets/384Users	256 Presets/512Users	902
Number of drum Sets	36	36	23	3 Presets/36 Users	3 Presets/128Users	9 Presets/128Users	26
Max polyphony	128	128	64	128	128	128	128
Audio driver compatibility OS/Platform	ASIO2.0,(Win/Mac) Windows XP/2000/ME/98SE/98, MacOS 8.6 or later.Macos 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 8.6 or later.Macos 10.2 or later.	Windows XP/2000/ME/98SE/98, MacOS 8.6 or later.Macos 10.2 or later.	VST2.0 Plug-in(Win/Mac) DXi2.0 Plug-in	VST2.0 Plug-in(Win/Mac) DXi2.0 Plug-in	VST2.0 Plug-in(Win/Mac) DXi2.0 Plug-in	VST plug-in (Win/Mac) DXi plug-in Stand alone (Win/Mac)
Audio Inputs	24-bit A/D Unbalanced 1/4 " Mic/Guitar x 1 Line (RCA L/R) S/P DIF Coaxial &Optical		Line (RCA L/R)x1				
Audio Effects Format	9 types GM2/GS/XGlite	GM2/GS/XGlite	GM2/GS/XGlite				GM2/GS
Power Supply	AC Cord	AC Cord	USB Bus powered or AC Adaptor				
Bundled Software	Drivers, Demo Songs SD-90 Editor	Drivers, Demo Songs SD-80 Editor	Drivers, Demo Songs SD-20 Editor	Cakewalk Music Creator	Cakewalk Music Creator	Cakewalk Music Creator	

SPEAKER

			
Main Function	Powered Digital monitor speakers	Powered Digital monitor speakers	Powered monitor speakers
Power	20W +20W (Pair)	10W +10W (Pair)	10W +10W (Pair)
Unique Features	Independent transformers Power amps (R/L)	Digital inputs on 10 watt speaker	Awesome sound for analog speakers
Ideal Application	Studio reference monitors	Desktop speakers to accept digital or analog signal from DAT,CD player,amp,etc.	Desktop speakers
Speaker Enclosure	2 way/Bass-reflex Woofer 12 cm (4-3/4 ") Tweeter 4 cm (1-5/8 ")	2 way/Bass-reflex Woofer 9.2 cm (3-5/8 ") Tweeter 5 cm (2 ")	2 way/Bass-reflex Woofer 9.2 cm (3-5/8 ") Tweeter 5 cm (2 ")
Controls	Bass x 1/Treble x 1 Volume x2	Bass x 1/Treble x 1 Volume x2	Bass x 1/Treble x 1 Volume x2
Signal Processing	Up to 24 bit	Up to 24 bit	Up to 24 bit
Sample Rate	Up to 96 kHz	Up to 96 kHz	Up to 96 kHz
Digital Inputs	S/P DIF Optical /Coaxial on back	S/P DIF Optical /Coaxial on back S/P DIF Optical on front	
Analog Inputs	Line 1 (1/4 "L/R) Line 2 (RCA pin L/R)	Line 1 (1/8 "stereo) Line 2 (RCA pin L/R)	Line 1 (1/8 "stereo) Line 2 (RCA pin L/R)
Outputs	Headphones (1/4 ")	Headphones (1/8 "stereo)	Headphones (1/8 "stereo)
Colors	Black w/Chestnut Wood cabinet	Twilight Blue w/light Ash cabinet Black w/black Wood cabinet	Twilight Blue w/light Ash cabinet Black w/black Wood cabinet
Power Supply	AC cord	AC cord	AC cord
Magnetically Shielded	Yes	Yes	Yes

MIXER

		
Main Function	Audio interface with onboard effects and complete 10 Input mixing capabilities	10 Input Desktop Mixer
Ideal Application	Audio Production for Video	Portable mixing
Input Audio Channels	10	10
Connection to computer	USB	
Audio recording capability	Yes	
Audio driver compatibility	ASIO(Win/Mac),WDM,CoreAudio, MME, Sound Manager	
Phantom Power Preamps	2	
Overload Indicators	Yes	Yes
Audio Inputs	XLR/TRS 1/4 " RCA Aux Return 1/4 " RCA (L,R)	2 1/4 " 4 RCA stereo (L/R) AUX (L,R)
Audio Outputs	1/4 " RCA (L,R) Optical and Coaxial S/P DIF Headphones Aux Send	1/4 " RCA Headphones AUX (L,R) Master (L,R)
DSP	9 voice effect types, particularly suited to narration Reverb/Delay/Echo	
Frequency Response	20 Hz to 20 kHz (0 dB/-2 dB)	10 Hz to 50 kHz +1/-3 dB (at minimum gain)
Battery powered option		9 volts (006p)
Power Supply	AC Adaptor	AC Adaptor

SUMMER 2004 NEW PRODUCTS



UA-25



PCR-M1