

UR824 and UR28M

Review Guide

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1 About

About this document

This document is the review guide for Steinberg's new UR hardware series, comprising the UR824 and the UR28M USB audio interfaces.

About the UR series

With the UR series, Steinberg offers two professional solutions for musicians and producers. Boasting USB 2.0 connectivity for immense throughput expected from studio-grade interfaces, both URs ensure universal compatibility with PCs and Mac computers.

While the UR824 rack unit is regarded as an allround I/O device, the UR28M is a desktop unit with fewer inputs and outputs but an easy-to-use monitor controller console. Both interfaces include the Cubase AI music production software as well as native VST 3 plug-ins of the REV-X reverb and Sweet Spot Morphing Channel Strip. Offering DSP-powered monitoring with effects at zero-latency, the UR interfaces are the ideal scalable solution for professional requirements in a home studio and project studio.

About UR824

The UR824 is a USB 2.0 audio interface with eight inputs and eight outputs. Equipped with dspMixFx, this interface provides DSP-powered, latency-free monitoring with Cubase and any DAW software for a truly professional recording experience.

The eight balanced Neutrik combo inputs together with studio-grade D-Pre microphone preamps, eight balanced line outputs and the two pairs of ADAT provide up to 24 channels, offering sufficient means for medium recording studio setups.



UR824 USB audio interface

About UR28M

The UR28M combines interface and dedicated monitor controller in one desktop console. The onboard dspMixFx technology provides DSP-powered, latency-free monitoring with Cubase or any other DAW of choice.



UR28M USB audio interface

Featuring two TRS inputs, six TRS outputs and two combo inputs that come with mic preamps and switchable 48 volt phantom power, high-impedance input and pad attenuation. The controller part hosts a handy master volume knob for easy control. Combining Cubase AI 6 and the UR28M allows each user to take full advantage of the wealth of tools at hand — at home and in the rehearsal room.

UR824: Key features

- 24-bit/96 kHz USB 2.0 audio interface
- Analog 8 in and 8 out with 8 D-Pre Class-A discrete mic preamps supporting +48 V
- 2 pairs of ADAT optical I/O (doubles as S/PDIF) provide 16 in and 16 out (S/MUX compatible, 8 in and 8 out @ 96 kHz)
- Latency-free DSP-powered monitoring with one REV-X reverb and 8 Channel Strips with any DAW by using the latest dspMixFx technology
- Native VST 3 plug-ins of REV-X and Sweet Spot Morphing Channel Strip included
- 2 separate headphone buses with individual outputs
- Word clock I/O with 2 BNC connectors plus JetPLL ultra-low jitter support
- Cross-platform compatibility: Cubase AI DAW software and drivers for Mac OS X and Windows

UR824: Top 5 features

- 24-bit/96 kHz 24-channel USB 2.0 audio interface
- 8 analog in and 8 analog out with 8 D-Pre Class-A discrete mic preamps supporting +48 V phantom power and 2 headphone buses with individual outputs
- 2 pairs of ADAT optical I/O provide 16 ins and outs (S/MUX compatible)
- Latency-free DSP-powered monitoring with one REV-X reverb and 8 Channel Strips compatible with any DAW by using the latest dspMixFx technology and native VST 3 effects plug-ins also included
- Word clock I/O with 2 BNC connectors plus JetPLL ultra-low jitter support

UR28M: Key features

- 24-bit/96 kHz USB 2.0 audio interface
- Analog 4 in and 6 out plus stereo input for reference source
- S/PDIF coaxial I/O
- D-Pre Class-A discrete mic preamps supporting +48V
- Latency-free DSP-powered monitoring with one REV-X reverb and four Channel Strips with any DAW by using the latest dspMixFx technology

- Native VST 3 plug-ins of REV-X and Channel Strip
- Digitally controlled monitor level control with DIM, Mono, and Mute fed by a 3x3 monitoring matrix
- 2 separate headphone buses with individual outputs
- Cross-platform compatibility: Cubase AI DAW software and drivers for Mac OS X and Windows

UR28M: Top 5 features

- 24-bit/96 kHz USB 2.0 audio interface
- 4 analog in and 6 analog out with 2 D-Pre Class-A discrete mic preamps supporting +48 V phantom power plus stereo input for reference source
- S/PDIF coaxial I/O
- Latency-free DSP-powered monitoring with one REV-X reverb and 4 Channel Strips compatible with any DAW by using the latest dspMixFx technology and native VST 3 effects plug-ins also included
- Digitally controlled monitor level control with DIM, Mono and Mute fed by 3x3 monitoring matrix

UR series: Top 5 features

- 24-bit/96 kHz USB 2.0 audio interface manufactured by Yamaha to exacting standards
- Outstanding sound quality due to further enhanced components of the highly acclaimed MR816 series
- Enhanced Class-A inverted Darlington circuit D-Pre boutique-style microphone preamps
- Latency-free DSP-powered monitoring with REV-X reverb and Sweet Spot Morphing Channel Strips compatible with any DAW by using the latest dspMixFx technology and native VST 3 effects plug-ins also included
- Two discrete headphone outputs for individual FX-powered monitoring

2 What's the UR series?

The UR series provides high-speed USB 2.0 connectivity and comprises the rackmountable UR824 interface and UR28M desktop interface for capturing and playing back high-resolution audio.

Strong family values

With this new line of USB 2.0 connectivity interfaces, you've got it all covered: one 19-inch rackmountable unit and one handy desktop unit beautifully conceived and manufactured to meet the most exacting standards. Sharing the same line of heritage as the highly acclaimed MR816 interfaces, both URs house studio-grade converters, D-Pre Class-A discrete mic preamps plus analog and digital I/O, tending perfectly to your individual needs and on which — it must be said again — quality is written everywhere in big fat letters.

Hook up to your UR824

The UR824 is a 1U, 19-inch audio interface that fits nicely in your studio rack. Its high-speed USB 2.0 lets you connect to your PC and Mac computer while the two pairs of ADAT I/O, eight Neutrik combo inputs with state-of-the-art D-Pre mic preamps and eight TRS outputs add up to 24 channels, providing ample ways to hook up all your musical gear and connect even to 7.1 surround setups. Its DSP-powered dspMixFx technology boasts latency-free monitoring in conjunction with the native REV-X reverb and Sweet Sport Morphing Channel Strip VST 3 plug-ins.



UR824

UR28M for your desktop

An elegant audio interface sitting beautifully on your studio desk, the UR28M offers two TRS inputs, six TRS outputs and two Neutrik combo inputs that come with first-class D-Pre mic preamps and 48 volt phantom power, pad switches for mic signal attenuation and high-impedance input that permits you to plug your guitar directly into the interface. The two-track input is an additional option for monitoring reference sources. The console features a practical master volume

knob alongside DIM, Mono, and Mute monitor level controls while the onboard dspMixFx technology provides DSP-powered, latency-free monitoring with Cubase and other DAWs.



UR28M

Cubase AI 6

Cubase AI 6 is a lean Cubase version tailored to record your music without additional bells and whistles. Based on the same core technologies as Steinberg's highly acclaimed Cubase 6 advanced music production system, Cubase AI 6 offers a comprehensive feature set for composing, recording, editing and mixing. Run it together with either the UR824 or UR28M audio interfaces and Cubase AI 6 provides a full system solution for recording music in studio quality, used by many musicians and producers around the world.



Cubase AI 6 Project window

3 Described in detail

Teaming up with the included Cubase DAW running on your PC or Mac computer, both UR824 and UR28M interfaces are full-fledged recording studios defined through seamless DAW integration and superb sound quality.

Perfect all-round DAW integration

By turning to the UR series, your interest is now piqued to look at the ideal interface solution for Cubase as well as really any other DAW out there. Boasting excellent sound characteristics and no-latency monitoring mixes with Yamaha's custom-designed SSP2 DSP chip, the UR824 and UR28M integrate effortlessly into your existing workstation environment.



dspMixFx DSP mixer for UR824 and UR28M

Cubase all the way...

Running with Cubase, the UR824 and UR28M do away with any need for additional mixing software between DAW and I/O. This means that all aspects of I/O handling and DSP management are handled directly from within Cubase. Once your UR interface has been installed, Cubase detects the launched device and automatically embeds it into the Cubase production environment. With Steinberg's acclaimed True Integrated Monitoring technology, Cubase manages all audio streams with perfect sync, allowing for a highly efficient workflow that boosts productivity to new levels.

The URs feature direct integration into Cubase with dedicated windows and views that only appear when they are connected, providing full control of the hardware's functionality from within Cubase itself. This not only includes the Cubase Mixer extension for

the Sweet Spot Morphing Channel Strip and REV-X reverb DSP effects, but almost all hardware functionality.

.... plus overall DAW support

Zero-latency monitor mixes with DSP effects are managed alongside mixes played back through your DAW of choice via the included dspMixFx mixing application, combining hard disk audio data and live streams being recorded at the same time. Each independent monitor mix can utilize the DSP capability for an outstanding sound that you will feel extremely comfortable performing to. The effects can be included in the signal recorded to the input track but the signal can, of course, also be recorded dry with no FX or bypassed completely.

All power to DSP

Powered by Yamaha's custom-designed SSP2 DSP chip, you now can enjoy the benefits of dspMixFx technology which offers latency-free monitoring together with the highly acclaimed REV-X reverb and the Sweet Spot Morphing Channel Strip for users of any DAW software. When using Cubase all the advanced monitoring capabilities are fully integrated into the application's GUI by featuring True Integrated Monitoring.

The Sweet Spot Morphing Channel Strip consists of a sidechain-enabled compressor and a 3-band parametric equalizer, which can be applied to up to 8 mono input channels or 4 stereo input channels on the UR824 and 4 mono input channels or 2 stereo input channels on the UR28M. Both EQ and compressor were developed to attain a highly musical sound.

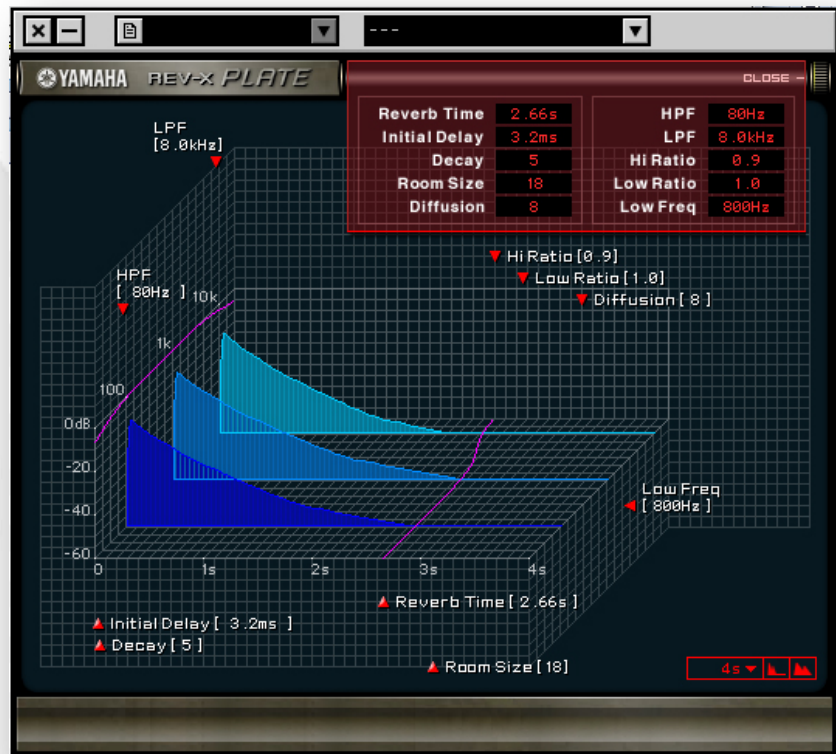


Sweet Spot Morphing Channel Strip

Its featured morph knob smoothly allows you to morph through both EQ and compression settings in combination in order for you to come

up with the ideal sound very quickly just by using one single control element.

The REV-X built into the UR824 and UR28M is a complex reverb algorithm developed by Yamaha. Renowned for its high-density, richly reverberant sound quality, with smooth attenuation, spread and depth that work together to enhance the original sound, the REV-X features three types of reverb effects: Hall, Room and Plate simulations with reverb time and level control.



REV-X reverb

Crisp, crystal-clear sound

The audio quality of the UR interfaces is absolutely stunning due to its state-of-the-art converters and studio-grade preamps.

The UR824 features eight of the latest generation of Yamaha microphone D-Pre preamps while the UR28M comes with two D-Pres. Each discrete Class-A analog mic preamp utilizes an advanced Inverted Darlington circuit design and boasts a -26 dB Pad selector as well as 48 volt phantom power. The result is a sumptuously smooth and richly detailed sound normally only attained by preamps costing many times more; the outstanding sound of these mic pres obviate the need for all but the rarest vintage preamps.

Just as important as the preamps are, of course, the converters behind them. The UR824 includes first-rate A/D and D/A converters that offer absolutely crystal-clear sound that portrays the sound with astonishing precision and clarity.

Inputs and outputs as far as the eye can see

UR824

The UR824's front panel hosts two Neutrik combo TRS/XLR connectors for balanced microphone/line input with switchable 48 volt phantom power and Hi-Z, pad push buttons for signal attenuation, gain controls with peak indicators. On the opposite side there's a single output level rotary knob that allows you to easily adjust the levels of the eight line output signals alongside two headphone connectors, each with a dedicated level control. The output signal to be controlled by the front panel rotary is selected through the software.



Front and back panel of the UR824

The rear panel provides six Neutrik combo TRS/XLR inputs and eight analog balanced TRS outputs as well as two pairs of optical ADAT inputs and outputs. Also on board are two BNC connectors for – switchable word clock input and output.

Developed by using advanced technologies to offer seamless scalability, this mixing and recording interface offers options to expand the number of analog inputs and outputs across the system via ADAT to provide up to 24 input and output channels. By using only one USB port on your computer, all connected I/Os are recognized by Cubase with no additional setup required.

For signal synchronization, the UR824 interface also features JetPLL, a patent-applied solution for audio network jitter. JetPLL provides the same performance as traditional, expensive clocking solutions found in the world's best professional clocking products.

UR28M

Designed for easy access to controls and connectors, the UR28M's console comes with a single prominent output volume knob for individually controlling the levels of one of three stereo output pairs or the levels of six outputs simultaneously. You can also select between three monitoring mixes set up in the dspMixFx mixer and Cubase which is routed to the selected outputs. Several smaller rotary knobs to control signal levels of inputs 1 and 2 and the levels of the two headphone outputs. while further dedicated switches for inputs 1 and 2 allow you to employ 48 volt phantom power, 26 dB signal

attenuation and connecting high-impedance instruments. Other controls include the Dim button for attenuating all line output signals by 20 dB, the Mono button and the Mute button for muting the selected output signal. Four-segment LED meterings for inputs 1 through 4 and output are also available on the UR28M console.



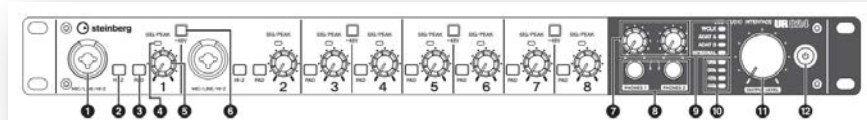
Console and back panel of the UR28M

The rear panel provides two TRS line inputs and two Neutrik combo TRS/XLR mic/line inputs alongside six analog balanced TRS outputs plus a coaxial S/PDIF input and output connector. Also included is a 1/8 inch stereo input jack for connecting to a portable audio player or other devices as a reference source.

Taking a closer look

UR824 front panel view

The front panel for the UR824 interface offers you quick access to an array of controls. You get Gain and Pad controls for each input on the rear panel as well as two mic/line inputs with Hi-Z and Pad push buttons. Also available are input metering, two dedicated volume rotaries for the two headphone jacks alongside the big output level knob for controlling the signal levels of selected outputs.

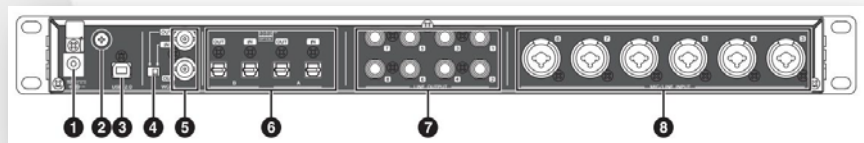


- 1) 2 XLR/TRS combo input
- 2) High-impedance switch for guitar and bass
- 3) Pad switch, selectable for each channel
- 4) Signal/peak indicator

- 5) Input gain control
- 6) Phantom power switch selectable for channel pairs
- 7) Headphone volume control knobs
- 8) Headphone outputs
- 9) Word clock source indicator
- 10) Sample rate indicator
- 11) Main output volume control
- 12) Power switch

UR824 back panel view

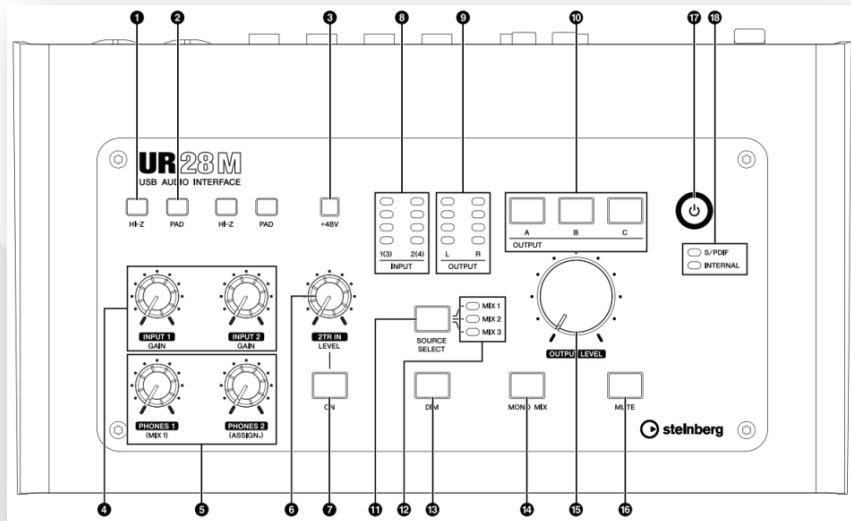
On the UR824's back side you can find a host of analog and digital inputs and outputs, word clock BNC connectors for accurate synchronization with other devices plus a single high-speed USB 2.0 port for connecting to your PC or Mac computer.



- 1) Power adapter connector
- 2) Grounding screw
- 3) USB 2.0 port
- 4) Word clock I/O switch
- 5) BNC connectors for word clock input and output
- 6) 2 pairs of optical ADAT input and output (also S/PDIF Toslink)
- 7) 8 analog TRS line outputs
- 8) 6 Neutrik combo TRS/XLR inputs

UR28M console view

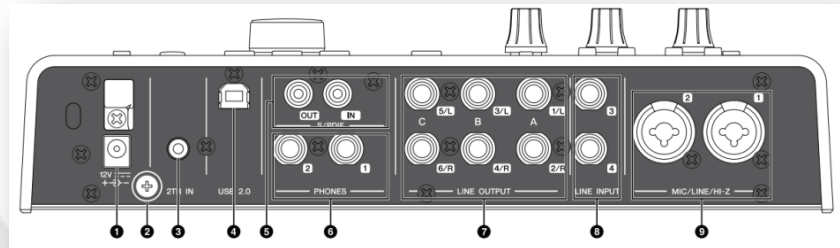
The UR28M is not only an eyecatcher on every studio desk but offers a host of rotary and button controls for adjusting and routing signals fed through this interface. A single knob especially calls for your attention, allowing you to control the volume of two of the six available line outputs or all six simultaneously for true surround sound.



- 1) Dedicated high-impedance switches for connecting electric and bass guitars to inputs 1 and 2
- 2) Pad switch for high-level input signals on inputs 1 and 2
- 3) Phantom power switch for +48 V on inputs 1 and 2
- 4) Individual gain knobs for inputs 1 and 2
- 5) Phones volume knob for headphones output level
- 6) 2 track input level control for reference source input
- 7) 2 track on/off switch
- 8) Input level LED meter for inputs 1–4
- 9) Output LED meter
- 10) Output select buttons
- 11) Source select for 3 mix sources
- 12) Mix 1–3 indicator
- 13) DIM button
- 14) Mono mix button
- 15) Output level control
- 16) Mute button
- 17) Power switch
- 18) Word clock source indicator

UR28M back panel view

Turn the UR28M around and you get six channels of analog balanced line outputs, provided on quarter-inch TRS connectors, plus four channels of balanced line TRS inputs, two of which boast Neutrik combo connectors for both mic and line signals. The coaxial S/PDIF connector and 2-track input complement the I/O capabilities of the UR28M.

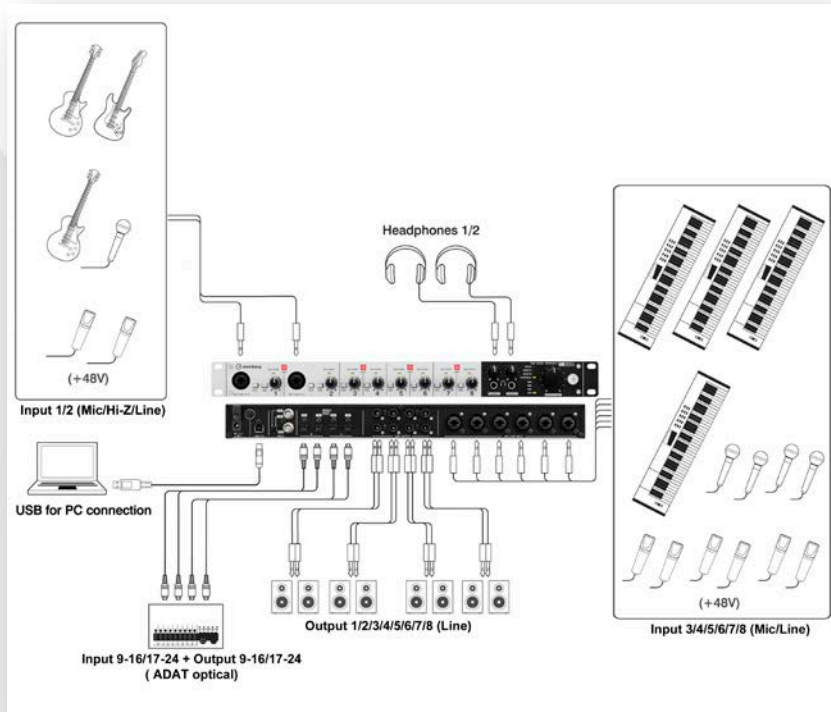


- 1) Power supply connector
- 2) Ground screw
- 3) 2 track input
- 4) USB 2.0 port
- 5) Coaxial S/PDIF input/output
- 6) Headphone outputs
- 7) 6 line outputs (TRS/TS supported)
- 8) 2 line inputs (TRS/TS supported)
- 9) 2 mic/line inputs (XLR/TRS combo connector with switchable high impedance)

Best setups for your gear

UR824

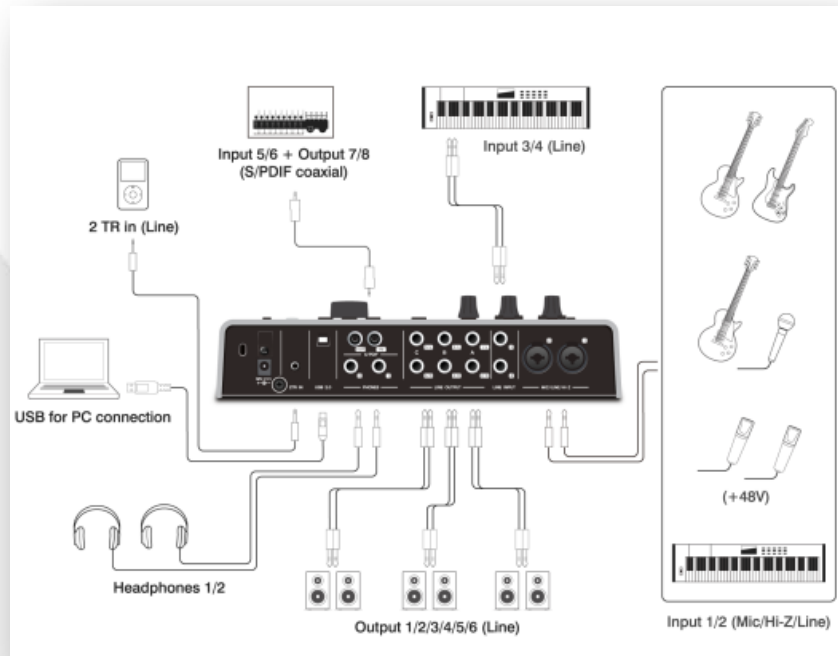
With its expanded I/O capabilities, the UR824 interface lets you hook up a vast number of equipment and instruments, the signals of which can also be fed via its high-speed USB 2.0 link to your computer for mixing and recording at a maximum audio resolution of 24 bits and 96 kHz.



Setup diagram for UR824

UR28M

The UR28M represents a top-notch recording system with plenty of inputs and outputs to connect to microphones, instruments, studio monitors and headphones. There's a USB connector to hook up to either your Mac or PC that lets you record and mix your productions with the included Cubase AI workstation or other audio software.



Setup diagram for UR28M

4 Target groups

With an array of inputs and outputs, easy handling and pristine audio quality, both UR interfaces are the first choice for project studios, rehearsal rooms and small to medium-scale installations.

Small studio, big effect

The UR series offers recording and production solutions for project studios prioritizing excellent sound and a swift workflow. Connections required for studios such as word clock, S/PDIF and ADAT plus a range of Neutrik combo connectors on the UR824 and routable TRS I/O on the UR28M are at hand. Also on board are EQ and compression tools in the form of the Sweet Spot Morphing Channel Strips on each channel, not to forget the REV-X plug-in that provides quality reverb for modifying the intricacy of a sonic space. The UR824's eight line outputs offer full support for surround productions up to 7.1, while the UR28M allows for up to 5.1 surround with its six line outputs.

Keep on rockin'

Both UR824 and UR28M interfaces are ideal for rehearsal rooms. Mount the UR824 in your rack and with the range of channels and connectors, pick up all the band's instruments and vocals and record and mix them in Cubase AI or your preferred DAW. The UR28M has fewer inputs and outputs, but thanks to its practical size you can place it anywhere and even take it home with you. For live rigs, the UR824 offers inputs and outputs over a variety of formats, the two pairs of ADAT of which provide additional I/O expansion capability. Connect either to two 8-channel mic preamps with ADAT outputs or two UR units in standalone mode to get a stunning 24 channels for recording an entire rock band setup.

Cubase or not Cubase

To unleash the full potential of each UR interface, you needn't employ Cubase as the DAW of choice, but there are undoubtedly certain benefits that remain unrevealed to non-Cubase users. That's why a streamlined version of the award-winning Cubase music production system is included with both the UR824 and UR28M.

Combining the UR series with Cubase offers advantages such as full integration into the Cubase user interface for a smooth workflow. But there are plenty of reasons to take a closer look at the UR824 and UR28M no matter what DAW you're on. Included are ASIO and CoreAudio drivers for full compatibility with any DAW application using either of these driver standards. The dspMixFx DSP mixer runs on Mac and PC and handles all aspects of DSP, routing, monitor mixing in one easy-to-navigate interface.

5 Product fact sheet

Tagline

USB audio interface

Language support

The user's manual is localized in seven languages: English, German, French, Italian, Spanish, Chinese and Japanese

Components

The UR28M retail box includes the following:

- UR28M hardware unit
- AC power supply (PA-3C or equivalent)
- Printed Getting Started document
- Essential product license information card
- TOOLS for UR28M CD-ROM
- Cubase AI installation DVD-9
- USB cable
- Ferrite core

The UR824 retail box includes the following:

- UR824 hardware unit
- AC power supply (PA-300C or equivalent)
- Power cable
- Printed Getting Started document
- Essential product license information card
- TOOLS for UR824 CD-ROM
- Cubase AI installation DVD-9
- USB cable
- Ferrite core
- Rubber stoppers x 4

UR824: System requirements

Mac

Mac OS X 10.5.8, 10.6.3 (32-bit/64-bit kernel)

Intel processor (Intel Core Duo or faster recommended)

1 GB RAM (2 GB for Windows 7 64-bit)

CD-ROM drive

Internet connection for license activations for included plug-in software

Compatible with any software application supporting ASIO, WDM, CoreAudio

PC

Windows XP SP3, Vista SP2 (32-bit/64-bit), Windows 7 (32-bit/64-bit)

Pentium / Athlon 2 GHz or faster (dual core processor recommended)

1 GB RAM (2 GB for Windows 7 64-bit)

CD-ROM drive

Internet connection for license activations for included plug-in software

Compatible with any software application supporting ASIO, WDM, CoreAudio



For recommended systems, refer to www.steinberg.net in the Support section under DAW Components.

UR28M: System requirements

Mac

Mac OS X 10.5.8, 10.6.3 (32-bit/64-bit kernel)

Intel processor (Intel Core Duo or faster recommended)

1 GB RAM (2 GB for Windows 7 64-bit)

CD-ROM drive

Internet connection for license activations for included plug-in software

Compatible with any software application supporting ASIO, WDM, CoreAudio

PC

Windows XP SP3, Vista SP2 (32-bit/64-bit), Windows 7 (32-bit/64-bit)

Pentium / Athlon 2 GHz or faster (dual core processor recommended)

1 GB RAM (2 GB for Windows 7 64-bit)

CD-ROM drive

Internet connection for license activations for included plug-in software

Compatible with any software application supporting ASIO, WDM, CoreAudio



For recommended systems, refer to www.steinberg.net in the Support section under DAW Components.


Cubase AI 6: system requirements

Mac

Mac OS X 10.6, Native 32-bit and 64-bit version
 Intel dual core CPU
 CoreAudio compatible audio hardware
 2 GB RAM
 Display resolution of 1280 x 800 recommended
 4 GB of free HD space
 DVD-ROM drive
 Internet connection for license activation

PC

Windows 7, native 32-bit and 64-bit versions
 Intel or AMD dual core CPU
 Windows compatible audio hardware (ASIO, WDM)
 2 GB RAM
 Display resolution of 1280 x 800 recommended
 4 GB of free HD space
 DVD-ROM drive
 Internet connection for license activation

 For recommended systems, refer to www.steinberg.net in the Support section under DAW Components.

Pricing

Product	€ SRP	£ SRP
UR28M	€449	£380
UR824	€849	£719

All GBP pricing includes 20% British VAT

All EUR pricing includes 19% German VAT

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6 Technical specifications

UR824

Electrical characteristics

MIC/LINE INPUT (Balanced)	
Frequency Response	+0.1/-0.1 dB, 20 Hz to 22 kHz
Dynamic Range	105 dB, A-Weighted
THD+N	0.0014%, 1 kHz, -1 dBFS, 22 Hz/22 kHz BPF
Crosstalk	>125 dB, 1 kHz
Maximum Input Level	+24 dBu
Input Impedance	4k Ohm
Maximum Gain	60 dB
Adjustable Gain	44 dB
Pad	-26 dB
HI-Z INPUT (Unbalanced)	
Maximum Input Level	+10 dBV
Input Impedance	1M Ohm
LINE OUTPUT (Balanced)	
Frequency Response	+0.1/-0.1 dB, 20 Hz to 22 kHz
Dynamic Range	117 dB, A-Weighted
THD+N	0.0009%, 1 kHz, -1 dBFS, 22Hz/22 kHz BPF
Crosstalk	>130 dB, 1 kHz
Maximum Output Level	+18 dBu
Output Impedance	75 Ohm
PHONES 1/2	
Maximum Output Level	75 mW+75 mW, @40 Ohm
USB	
Specification	USB 2.0, 24 bit, 44.1 kHz/48 kHz/88.2 kHz/96 kHz
XLR INPUT	
Polarity	Pin 1: Ground Pin 2: Hot (+) Pin 3: Cold (-)

General Specifications

Power Requirements	38.4 W (PA-300C or equivalent)
Power Requirements	480 x 44 x 275 mm
Net Weight	3.1 kg
Operating Free-air - Temperature Range	0 to +40 °C

UR28M

Electrical characteristics

MIC/LINE INPUT (Balanced)	
Frequency Response	+0.1/-0.2 dB, 20 Hz to 22 kHz
Dynamic Range	101 dB, A-Weighted
THD+N	0.002%, 1 kHz, -1 dBFS, 22 Hz/22 kHz BPF
Crosstalk	>114 dB, 1 kHz
Maximum Input Level	+22 dBu
Input Impedance	4k Ohm
Maximum Gain	60 dB
Adjustable Gain	44 dB
Pad	-26 dB
HI-Z INPUT (Unbalanced)	
Maximum Input Level	+9.8 dBV
Input Impedance	500k Ohm
LINE OUTPUT (Balanced)	
Frequency Response	+0.1/-0.2 dB, 20 Hz to 22 kHz
Dynamic Range	106 dB, A-Weighted
THD+N	0.001%, 1 kHz, -1 dBFS, 22 Hz/22 kHz BPF
Crosstalk	>129 dB, 1 kHz
Maximum Output Level	+16 dBu
Output Impedance	75 Ohm
PHONES 1/2	
Maximum Output Level	35 mW+35 mW, @40 Ohm
USB	
Specification	USB 2.0, 24 bit, 44.1 kHz/48 kHz/88.2 kHz/96 kHz
XLR INPUT	
Polarity	Pin 1: Ground Pin 2: Hot (+) Pin 3: Cold (-)

General Specifications

Power Requirements	8.4 W (PA-3C or equivalent)
Power Requirements	291 x 59 x 164 mm
Net Weight	1.4 kg
Operating Free-air - Temperature Range	0 to +40 °C