Getting Started

Einführung

Prise en Main

Cómo Empezar

Guida Introduttiva

セットアップガイド

USB AUDIO INTERFACE UR28M

▶ steinberg

FCC INFORMATION (U.S.A.)

1. **IMPORTANT NOTICE:**
   DO NOT MODIFY THIS UNIT!

   This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. **IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. **NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC

regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/ reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA. (class B)

COMPLIANCE INFORMATION STATEMENT
(DECLARATION OF CONFORMITY PROCEDURE)

Responsible Party : Yamaha Corporation of America
         Address : 6600 Orangethorpe Ave., Buena Park, Calif. 90620
       Telephone : 714-522-9011
Type of Equipment : USB AUDIO INTERFACE
     Model Name : UR28M

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1) this device may not cause harmful interference, and
2) this device must accept any interference received including interference that may cause undesired operation.

See user manual instructions if interference to radio reception is suspected.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA. (FCC DoC)

이 기기는 가정용(B급) 전자파적합기기로서 주로
가정에서 사용하는 것을 목적으로 하며, 모든
지역에서 사용할 수 있습니다.

(class b korea)

Contents

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

* Please keep this manual in a safe place for future reference.

⚠ WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply/AC power adaptor

- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.
- Only use the voltage specified as correct for the device. The required voltage is printed on the name plate of the device.
- Use the specified adaptor (PA-130 or an equivalent recommended by Yamaha) only. Using the wrong adaptor can result in damage to the device or overheating.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.

Do not open

- This device contains no user-serviceable parts. Do not open the device or attempt to disassemble the internal parts or modify them in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

Water warning

- Do not expose the device to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the device, turn off the power immediately and unplug the power cord from the AC outlet. Then have the device inspected by qualified Yamaha service personnel.
- Never insert or remove an electric plug with wet hands.

Fire warning

- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

If you notice any abnormality

- When one of the following problems occur, immediately turn off the power and disconnect the electric plug from the outlet. Then have the device inspected by Yamaha service personnel.
    - The power cord or plug becomes frayed or damaged.
    - It emits unusual smells or smoke.
    - Some object has been dropped into the device.
    - There is a sudden loss of sound during use of the device.
- If this device or the AC power adaptor should be dropped or damaged, immediately turn off the power, disconnect the electric plug from the outlet, and have the device inspected by qualified Yamaha service personnel.

⚠ CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the device or other property. These precautions include, but are not limited to, the following:

Power supply/AC power adaptor

- Do not cover or wrap the AC power adaptor with a cloth or blanket.

PA_en_1 1/2

- When removing the electric plug from the device or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Remove the electric plug from the outlet when the device is not to be used for extended periods of time, or during electrical storms.

Location

- Do not place the device in an unstable position where it might accidentally fall over.
- Do not place the device in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
- Before moving the device, remove all connected cables.
- When setting up the device, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power and disconnect the plug from the outlet. Even when the power is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.

Connections

- Before connecting the device to other devices, turn off the power for all devices.
  Before turning the power on or off for all devices, set all volume levels to minimum.

Maintenance

- Remove the power plug from the AC outlet when cleaning the device.

Handling caution

- Do not rest your weight on the device or place heavy objects on it, and avoid use excessive force on the buttons, switches or connectors.
- Do not use the headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

> Yamaha cannot be held responsible for damage caused by improper use or modifications to the device, or data that is lost or destroyed.

Always turn the power off when the device is not in use.

Even when the power is in standby status, electricity is still flowing to the device at the minimum level. When you are not using the device for a long time, make sure you unplug the power cord from the wall AC outlet.

NOTICE

To avoid the possibility of malfunction/ damage to the product, damage to data, or damage to other property, follow the notices below.

- Do not use the device in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the device, TV, or radio may generate noise.

- Do not expose the device to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration, damage to the internal components or unstable operation.

- Do not place vinyl, plastic or rubber objects on the device, since this might discolor the panel.

- When cleaning the device, use a soft, dry/dry or slightly damp cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

- This disk containing the software is not meant for use with an audio/visual system (CD player, DVD player, etc.). Do not attempt to use the disk on equipment other than a computer.

Information

- The software included in the Cubase AI DVD-ROM and the copyrights thereof are under exclusive ownership by Steinberg Media Technologies GmbH.

- The software included in the TOOLS for UR28M CD-ROM and the copyrights thereof are under exclusive ownership by Yamaha.

- This manual is the exclusive copyrights of Yamaha Corporation.

- Copying of the software or reproduction of this manual in whole or in part by any means is expressly forbidden without the written consent of the manufacturer.

- Steinberg Media Technologies GmbH and Yamaha Corporation make no representations or warranties with regard to the use of the software and documentation and cannot be held responsible for the results of the use of this manual and the software.

- The screen displays as illustrated in this manual are for instructional purposes, and may appear somewhat different from the screens which appear on your computer.

- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.

- This product incorporates and bundles computer programs and contents in which Steinberg Media Technologies GmbH and Yamaha Corporation own copyrights or with respect to which it has license to use others' copyrights. Such copyrighted materials include, without limitation, all computer software, style files, MIDI files, WAVE data, musical scores and sound recordings. Any unauthorized use of such programs and contents outside of personal use is not permitted under relevant laws. Any violation of copyright has legal consequences. DON'T MAKE, DISTRIBUTE OR USE ILLEGAL COPIES.

- Windows is a registered trademark of Microsoft® Corporation in the United States and other countries.

- Apple, Mac and Macintosh are trademarks of Apple Inc., registered in the U.S. and other countries.

- Steinberg and Cubase are registered trademarks of Steinberg Media Technologies GmbH.

- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

- Software may be revised and updated without prior notice.

Introduction

A Message From the Development Team

Thank you for choosing the UR28M USB Audio Interface. The UR28M brings the sum total of our experience and know-how together with invaluable feedback from our customers throughout the world. Throughout the Yamaha n-series and Steinberg MR series our focus has been on integrating consistently outstanding sonic design with features and software that are truly useful from a musician's perspective. The UR28M carries on this uncompromising approach, offering refined sound and functionality in a compact unit.

With the goal of creating a product that would be of maximum value for the longest time in mind, the development process began with in-depth review of the many comments received from users as a starting point for the design and basic specifications. Visual design, the feel of buttons and knobs, trial-and-error sonic evaluation of parts, and seamless software integration are just some of the elements to which every member of the development team devoted their full attention and passion. The entire team is rightly proud of the results, and we are delighted to be able to offer this product to our valued customers.

But this is just the beginning. The most important chapter unfolds when our customers use the product to support and augment their creativity, making it a part of their musical lives. Our greatest hope is that we are able to contribute in some way to the creation and expression of new music that will bring our customers' artistic vision to life.

The Steinberg Hardware Development Team

Included Accessories

Accessories

- AC power adaptor (PA-130 or equivalent)
- Getting Started (this book)
- ESSENTIAL PRODUCT LICENSE INFORMATION card
- TOOLS for UR28M CD-ROM
- Cubase AI DVD-ROM
- USB cable

NOTICE
If the ESSENTIAL PRODUCT LICENSE INFORMATION card is lost or stolen, Steinberg Media Technologies GmbH and Yamaha Corporation cannot reissue it.

Disk Contents

TOOLS for UR28M CD-ROM

- **Operation Manual**
  This is the Operation Manual in PDF file format. For details, refer to the section "How to Read the Manual" (page 8).

- **TOOLS for UR28M**
  TOOLS for UR28M is necessary when connecting the device to a computer. When you install the TOOLS for UR28M, the following two software programs will be installed. For instructions on installation, refer to the section "Setup" (page 12).

- Yamaha Steinberg USB Driver
This software allows communication between the device and a computer.

- Steinberg UR28M Applications
This software allows setting the parameters of the device from a computer or using the Link function between the device and Cubase series. The software consists of the following four software components.

• dspMixFx UR28M
This software lets you set the device when using it with a DAW (Digital Audio Workstation) software other than Cubase series.

• UR28M Extension
This software allows you to link the device with Cubase series (for versions which supports the link function).
To use this Link function, you will need to install Cubase series version 5.5 or higher.

• Sweet Spot Morphing Channel Strip (VST Plug-in version)
This processing effect is a multi-effect that combines compressor and equalizer. This is the VST Plug-in version (VST3.0) of the DSP effect equipped with the device.

• REV-X (VST Plug-in version)
This processing effect is a digital reverb platform developed by Yamaha for professional audio devices. This is the VST Plug-in version (VST3.0) of the DSP effect equipped with the device.

Cubase AI DVD-ROM
Cubase AI

Cubase AI is an entry-level program modeled on the flagship Cubase DAW software made by Steinberg, and provides basic function for the music recording/production. For instructions on installation, refer to the section "Setup" (page 12).

NOTE
For the latest information on the software contained in the accessory disk, please see the Steinberg web site below. Future upgrades of application and system software and any changes in specifications are announced separately on the website.
http://www.steinberg.net

How to Read the Manual

Types and Contents

Getting Started (this book)
Read this manual when setting up the device. After finishing the setup as indicated in this manual, read the Operation Manual.

Operation Manual (PDF file)

This manual provides instructions on how to use the device and gives detailed information on specific functions. It is included in the TOOLS for UR28M CD-ROM.

NOTE
- For contents of the operation manual, refer to the section "Contents of the Operation Manual" (page 21).
- To view PDF files, you will need to install Adobe Reader on you computer. You can download the latest Adobe Reader at the following web site. http://www.adobe.com

Conventions

Windows or Mac

When the procedures or explanations are specific to only one of the platforms, Windows or Mac, this is properly indicated in the manual. When the platforms do not appear, procedures or explanations are for both Windows and Mac.

Procedures

" → " appears on some procedures in the manual. For example, the string [Devices] → [Device Setup] → [Control Panel] indicates that you should perform the procedures in the following order.

1. Click the [Devices] menu.

2. Select the [Device Setup] option.

3. Click the [Control Panel] button.

Keyboard Shortcuts

[Windows modifier key]/[Mac modifier key]+[key] shows the shortcut keys. For example, [Ctrl]/[command]+[Z] means "press [Ctrl] under Windows or [command] under Mac, then press [Z]."
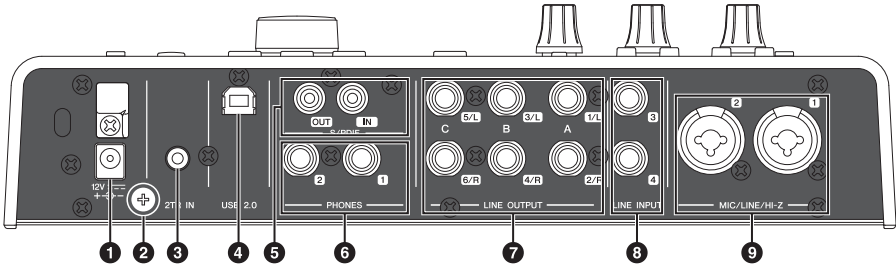
Different Cubase Programs

The phrase "Cubase series" applies to all Cubase programs and versions (except Cubase LE). If the instructions are only for Cubase, "Cubase only" appears in the manual.

Screens

This manual predominantly uses screenshots of Windows. However, Mac screenshots are used when instructions of the function apply only to the Mac.
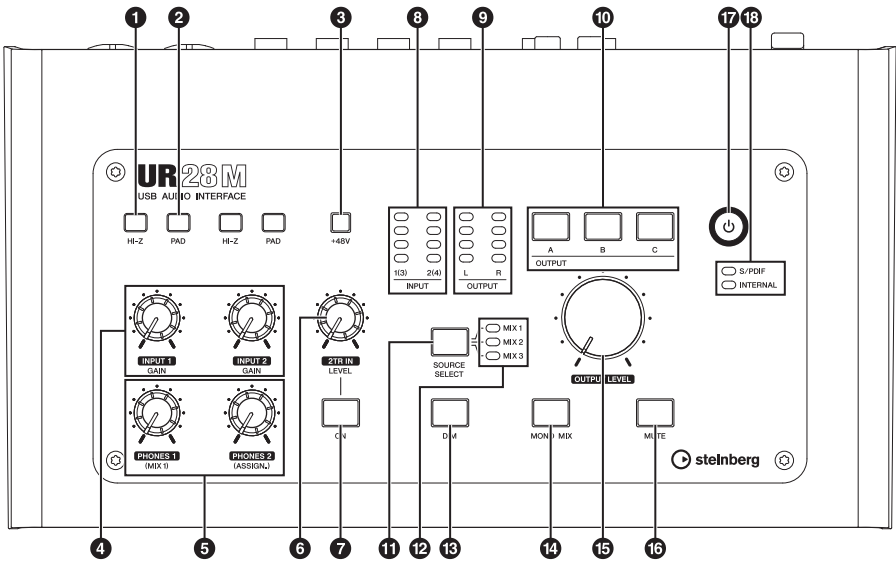
Panel Controls and Terminals

Rear Panel

❶ DC IN 12V

❷ Grounding screw

❸ 2TR IN (3.5mm, stereo)

❹ USB2.0 (USB port)

❺ S/PDIF IN/OUT (coaxial)

❻ PHONES 1/2 (phone type, stereo)

❼ LINE OUTPUT A–C (phone type, balanced/unbalanced)

❽ LINE INPUT 3/4 (phone type, balanced/unbalanced)

❾ MIC/LINE/HI-Z 1/2 (XLR/phone type, balanced/unbalanced)

Front Panel

① HI-Z switch

② PAD switch

③ +48V button

④ INPUT GAIN knob 1/2

⑤ PHONES knob 1/2

⑥ 2TR IN LEVEL knob

⑦ 2TR IN ON button

⑧ INPUT meter

⑨ OUTPUT meter

⑩ OUTPUT buttons A–C

⑪ SOURCE SELECT button

⑫ MIX 1–3 lamp

⑬ DIM button

⑭ MONO MIX button

⑮ OUTPUT LEVEL knob

⑯ MUTE button

⑰ Power button
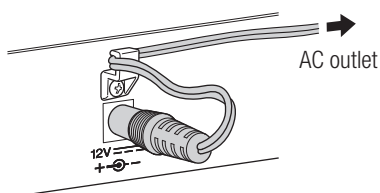
⑱ Word clock source lamp

Setup

1. Setting up the Power Supply

Connecting the AC Power Adaptor

1. **Insert the plug of the AC power adaptor into the DC IN 12V jack on the device.**
   To prevent accidental unplugging of the cable during operation, wrap the cable of AC power adaptor around the cable clip.

   AC outlet

2. **Insert the plug of the AC power adaptor into the proper AC outlet on the wall.**

⚠ *WARNING*

Only use the included AC power adaptor (or an equivalent recommended by Yamaha). Using the wrong adaptor can result in damage to the device or overheating.

⚠ *CAUTION*

Remove the electric plug from the outlet when the device is not be used for extended periods of time, or during electrical storms.

NOTICE

- To avoid generating unwanted noise, make sure there is adequate distance between the power adaptor and the device.

- Avoid tightening the cord more than necessary or pulling on the cord strongly while it is wrapped around the cable clip, in order to prevent wear on the cord or possible breakage of the clip.

Turning the Power On and Off

Power on
Press the power button (⏻). The power button will light.

Power off
Hold down the power button (⏻) for over one second. The power button will light dimly.

If one of the following actions is performed, the power of the device will turn off automatically after thirty minutes elapses. The power button will flash during the thirty-minute interval.

- Turning off the computer.

- Disconnecting the USB cable between the device and the computer.

For instructions on enabling/disabling this automatic power off function, refer to the section "Control Panel of the Audio Driver" in the Operation Manual.

⚠ *CAUTION*

Before you connect external devices to the device, turn off the power to all devices after setting all volume levels to minimum. Otherwise, electrical shock, hearing loss, or damage to the components may occur.

NOTICE

Even when the device is turned off, electricity is still flowing to the device at the minimum level. When you are not using the device for a long time, make sure you unplug the AC power adaptor from the wall AC outlet.

2. Installing Cubase AI

NOTE

• You are only permitted to use this software pursuant to the terms and conditions of the "End User License Agreement" shown during the installation.

• If you have already installed a version of Cubase series that is compatible with operation with the device (page 8), the instructions on Installing Cubase AI described below are not necessary.

Installation

1. Start the computer and log on to the Administrator account.

2. Insert the Cubase AI DVD-ROM into the DVD-ROM drive.

3. When the "WELCOME TO CUBASE AI" window appears, click the corresponding national flag icon to choose your preferred language.

NOTE

If this window does not appear automatically, open the DVD-ROM then double-click the file "Start Center."

4. Follow the on-screen instructions to install the software.

Installation may take a few minutes.

User Registration and Product Registration

Register your personal information and products on "MySteinberg" in the Steinberg web site. For details, refer to the following web site.
http://www.steinberg.net/en/mysteinberg.html

The installation for Cubase AI is now completed.

3. Installing TOOLS for UR28M

NOTE

You are only permitted to use this software pursuant to the terms and conditions of the "License Agreement" shown during the installation.

Windows.................................page 14
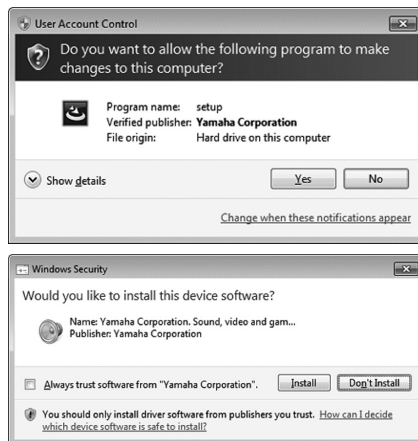**Mac ....page 15**

Windows

Preparation

If the following warning messages appear during the installation, click [Continue Anyway], [Yes], or [Install].

Example warning message on Windows XP

Example warning messages on Windows Vista/Windows 7

Installation

1. **Turn off the computer and device.**

2. **Disconnect all USB devices other than the mouse and keyboard from the computer.**

3. **Start the computer and log on to the Administrator account.**

4. **Insert the TOOLS for UR28M CD-ROM into the CD-ROM drive.**

5. **Open the CD-ROM then double-click the file "setup.exe."**

6. **Follow the on-screen instructions to install the software.**
   Install the following software in order.
   -Yamaha Steinberg USB Driver
   -Steinberg UR28M Applications

7. When installation has been completed, click [Finish].

If a window requiring you to restart your computer appears, follow the on-screen instructions and restart the computer.

Device Connection

8. Connect the device directly to the computer by using the included USB cable.

Make sure to not connect it to a USB hub.

9. Turn on the device.

Windows XP:
The "Found New Hardware Wizard" window appears. Go on to step 10.

Windows Vista/Windows 7:
Go on to step 13.

10. If the "Can Windows connect to Windows Update to search for software?" message appears in the middle of the window, select "No, not this time" then click [Next].

11. Confirm that the "Install the software automatically" has been selected then click [Next].

12. When the installation has been completed, click [Finish].

Confirmation of Installation

13. Open the "Device Manager" window as follows.

Windows XP:
[Start] → [Control Panel] → ([Performance and Maintenance]) → [System] → [Hardware] tab → [Device Manager]

Windows Vista/Windows 7:
[Start] → [Control Panel] → ([Hardware and Sound]) → [Device Manager]

14. Click on the [+] mark or [>] mark next to "Sound, video and game controllers."

15. Confirm that the device name is listed.

Installation of the TOOLS for UR28M is now completed.

Mac

Installation

1. Turn off the computer and device.

2. Disconnect all USB devices other than the mouse and keyboard from the computer.

3. Start the computer and log in to the Administrator account.

4. Insert the TOOLS for UR28M CD-ROM into the CD-ROM drive.

5. **Open the CD-ROM then double-click the file "TOOLS for UR28M.mpkg."**

6. **Follow the on-screen instructions to install the software.**

7. **When installation has been completed, click [Restart] to restart the computer.**

Device Connection

8. **Connect the device directly to the computer by using a USB cable.**
Make sure to not connect it to a USB hub.

9. **Turn on the device.**

Confirmation of Installation

10. **Open the "Audio MIDI Setup" window as follows.**
[Macintosh HD] → [Applications] → [Utilities] → [Audio MIDI Setup]

11. **Confirm that the device name is listed in the following.**

Mac OS X 10.5:
In "Properties For:"

Mac OS X 10.6:
In the left column

Installation of the TOOLS for UR28M is now completed.

4. Downloading the Licenses (Activation)

To use the Sweet Spot Morphing Channel Strip (VST Plug-in version) and REV-X (VST Plug-in version) which are installed in Step 3 in "Installing TOOLS for UR28M" (page 14), download their licenses via the Internet by using the activation code described on the ESSENTIAL PRODUCT LICENSE INFORMATION card.

1. **Launch the "eLicenser Control Center" as follows.**
Windows:
[Start] → [All Programs] → [eLicenser] → [eLicenser Control Center]

Mac:
[Macintosh HD] → [Applications] → [eLicenser Control Center]

2. **Click [Enter Activation Code].**

3. **Enter the Activation Code described on the included ESSENTIAL PRODUCT LICENSE INFORMATION card.**

4. **Follow the on-screen instructions to download the licenses.**
NOTE
If you connect a USB-eLicenser (USB protection device) to your computer, a window requiring you to select the destination of the license appears. Follow the on-screen instructions to select the device.

The download licenses are now completed.

Basic Operations

Introduction

This section explains the connection examples and audio driver settings on DAW software. For more detailed usage, refer to the section "Usage Examples" in the Operation Manual.
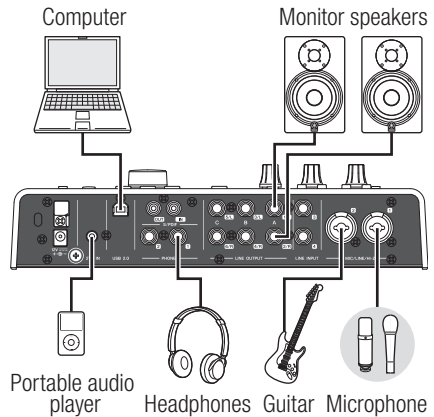
⚠ CAUTION

Make sure to set all volume levels to minimum before connecting or disconnecting the external device. Otherwise, high-volume output may damage your hearing or equipment.

NOTICE

Be sure to observe the following points when connecting to the computer's USB interface. Failing to do so may result in the computer freezing or shutting down, as well as corruption or even loss of data.

- Before turning on/off the device or plugging/unplugging the USB cable, quit any open application software on the computer.

- Before turning on the device, exit from any power-saving mode of the computer (such as suspend, sleep, standby).

- Before turning on the device, connect the device to the computer.

- Wait for six seconds or more between these operations: (1) when turning off the device then on again, or (2) when alternately connecting/disconnecting the USB cable.

Connection Example

Computer   Monitor speakers

Portable audio player   Headphones   Guitar   Microphone

Configuring Audio Driver Settings on the DAW Software

Cubase Series Programs

1. Make sure that all applications have been quit.

2. Connect the device directly to the computer by using the included USB cable.

NOTE
(Windows only) Make sure to use the same USB port as the one used in the installation procedure when you connect the device to the computer again. If you connect them to a different USB port, you will have to install the driver again.

3. Turn on the device.

4. **Launch the Cubase series program as follows.**

Windows:
[Start] → [All Programs] → [Steinberg (Cubase series)] → [(Cubase series)]

Mac:
[Macintosh HD] → [Applications] → [(Cubase series)]

5. **When the following window appears while the Cubase series program is launching, confirm that the device is selected, then click [OK].**

Select the desired ASIO driver.
◉ Yamaha Steinberg FW ASIO
◯ Yamaha Steinberg USB ASIO
Steinberg UR28M
■ Please, don't ask again.
OK   Cancel

The audio driver settings are now completed.

For instructions on using Cubase series programs, refer to the PDF manual, available from [Help] in the Cubase series menu. For instructions on using the device, refer to the Operation Manual.

Programs Other Than Cubase Series

1. **Make sure that all applications have been quit.**

2. **Connect the device directly to the computer by using the included USB cable.**

3. **Turn on the device.**

4. **Launch the DAW software.**

5. **Open the audio driver settings window.**

6. **Set the audio driver settings.**

The audio driver settings are now competed.

For instructions on using the DAW software, refer to your particular DAW's software manual. For instructions on using the device, refer to the Operation Manual.

Troubleshooting

Turning Off the Power Automatically, or Flashing the Power Button

• **The automatic power off function is enabled.**
Refer to the section "Control Panel of the Audio Driver" in the Operation Manual to disable this function.

No Sound

• **Are the volume controls of the device set to appropriate levels?**
Confirm the OUTPUT LEVEL knob and PHONES knob.

• **Are the microphones and monitor speakers connected to the device properly?**
Refer to the section "Connection Examples" (page 17) to confirm the connection.

• **Are the audio driver settings on DAW software set properly?**
Refer to the section "Configuring the Audio Driver Settings on DAW Software" (page 17) to set it.

• **Is the "ASIO Driver" setting on the Cubase series program set properly?**
From the Cubase series menu, open the [Devices] → [Device Setup] → [VST Audio System], then confirm that the "Yamaha Steinberg USB ASIO" (Windows) or "Steinberg UR28M" (Mac) is selected on the "ASIO Driver."

• **Was the power of the device turned on before starting the DAW software?**
Before starting the DAW software, connect the device to a computer and turn on the power of the device.

• **Is the device connected to a computer via a USB hub?**
Connect it directly without using a USB hub.

• **Has TOOLS for UR28M been installed properly?**
Refer to Step 3 in "Installing TOOLS for UR28M" (page 14) to confirm it.

• **Are any USB devices you are not using connected to the computer?**
Remove them then confirm the sound.

• **Are any other applications running at the same time?**
Quit all applications you are not using then confirm the sound.

Unusual Sound (noise, interruption, or distortion)

• **Is the INPUT meter lit in red?**
Lower the INPUT GAIN level, or turn on the PAD switch.

• **Is the buffer size set too low?**
Refer to the section "Control Panel of the Audio Driver" in the Operation Manual to confirm the buffer size.

• **Is the Clock Source lamp flashing?**
The Clock Source lamp flashes when the word clock is not synchronized to the clock source. Refer to the section "Control Panel of the Audio Driver" in the Operation Manual to set it.

- **Does your computer satisfy the system requirements?**
  Confirm the system requirements. For the latest information, see the Steinberg web site below.
  http://www.steinberg.net

- **Are you recording or playing long continuous sections of audio?**
  The audio data processing capabilities of your computer will depend on a number of factors including CPU speed and access to external devices. Reduce the audio tracks then confirm the sound.

- **Is a network adaptor for wired/ wireless LAN running?**
  Disable the suspected network adaptor. Some network adaptors can cause noise.

Noise Occurs When Turning Off the Power, or Settings are Not Saved to the Device

- **Is the power of the device turned off by some means other than using the power button?**
  Turn off the power of the device by using the power button.

Appendix

Contents of the Operation Manual

Uninstalling TOOLS for UR28M

Windows

Remove the following two software components.

• Yamaha Steinberg USB Driver

• Steinberg UR28M Applications

1. **Turn off the computer.**

2. **Disconnect all USB devices other than the mouse and keyboard from the computer.**

3. **Start the computer and log on to the Administrator account.**

4. **Open the window for the uninstall operation as follows.**

   Windows XP:
   [Start] → [Control Panel] → [Add or Remove Programs]

   Windows Vista/Windows 7:
   [Start] → [Control Panel] → [Uninstall a Program]

5. **Select one of the software components from the list.**

6. **Uninstall them as follows.**

   Windows XP:
   Click [Change/Remove]/[Remove]. Follow the on-screen instructions to remove the software.

   Windows Vista/Windows 7:
   Click [Uninstall]/[Uninstall/Change]. Follow the on-screen instructions to remove the software.

Uninstallation of TOOLS for UR28M is now completed.

Appendix

English

Mac

Remove the folders and files of the
following five software components.

• Yamaha Steinberg USB Driver

• dspMixFx UR28M

• UR28M Extension

• Sweet Spot Morphing Channel Strip

• REV-X

Yamaha Steinberg USB Driver

[System] → [Library] → Extensions]
  YamahaSteinbergUSBAudio.kext

[Applications] → [Yamaha] →
[USBDriver]
  Yamaha Steinberg USB Control Panel.app

[Library] → [PreferencePanes]
  Yamaha Steinberg USB.prefPane

[Library] → [Preferences]
  com.yamaha.YamahaSteinbergUSBDriver.
  plist

[Library] → [Audio] → [MIDI Drivers]
  YamahaSteinbergUSBMIDI.plugin

[Library] → [Audio] → [MIDI Devices] →
[Yamaha] → [Images]
  USB_1500.tiff
  USB_1502.tiff
  USB_1503.tiff

[Library] → [Receipts]
  YamahaSteinbergUSBAudioDriver.pkg
  YamahaSteinbergUSBControlPanel.pkg
  YamahaSteinbergUSBDriverplist.pkg
  YamahaSteinbergUSBMIDIPlugIn.pkg
  YamahaSteinbergUSBMIDIIcon.pkg
  YamahaSteinbergUSBPrefPane.pkg

dspMixFx UR28M

[Applications]
  dspMixFx_UR28M.app

UR28M Extension

[Library] → [Application Support] →
[Steinberg] → [Components]
  ur28m_extension.bundle

[Library] → [Receipts]
  Steinberg UR28M Extension.pkg

Sweet Spot Morphing Channel Strip

[Library] → [Audio] → [Plug-Ins] →
[VST3] → [Steinberg] → [UR]
UR-ChStrip_m.vst3
UR-ChStrip_s.vst3
UR28M-ChStrip_m.vst3
UR28M-ChStrip_s.vst3

REV-X

[Library] → [Audio] → [Plug-Ins] →
[VST3] → [Steinberg] → [UR]
UR-REV-X_HALL.vst3
UR-REV-X_ROOM.vst3
UR-REV-X_PLATE.vst3
UR28M-REV-X_HALL.vst3
UR28M-REV-X_ROOM.vst3
UR28M-REV-X_PLATE.vst3

Uninstallation of TOOLS for UR28M is
now completed.

Specifications

Technical Specifications

MIC/LINE INPUT 1/2 (Balanced)	
Frequency Response	+0.1/-0.2dB, 20Hz to 22kHz
Dynamic Range	101dB, A-Weighted
THD+N	0.002%, 1kHz, -1dBFS, 22Hz/22kHz BPF
Crosstalk	>114dB, 1kHz
Maximum Input Level	+22dBu
Input Impedance	4k Ohm
Maximum Gain	60dB
Adjustable Gain	44dB
Pad	-26dB
HI-Z INPUT 1/2 (Unbalanced)	
Maximum Input Level	+9.8dBV
Input Impedance	500k Ohm
LINE INPUT 3/4 (Balanced)	
Frequency Response	+0.1/-0.1dB, 20Hz to 22kHz
Dynamic Range	102dB, A-Weighted
THD+N	0.001%, 1kHz, -1dBFS, 22Hz/22kHz BPF
Crosstalk	>110dB, 1kHz
Maximum Input Level	+16dBu (balanced) +13.8dBV (unbalanced)
Input Impedance	20k Ohm (balanced) 10k Ohm (unbalanced)
2TR IN	
Maximum Input Level	+3.5dBV
Input Impedance	10k Ohm
LINE OUTPUT A–C (Balanced)	
Frequency Response	+0.1/-0.2dB, 20Hz to 22kHz
Dynamic Range	106dB, A-Weighted

THD+N	0.001%, 1kHz, -1dBFS, 22Hz/22kHz BPF
Crosstalk	>129dB, 1kHz
Maximum Output Level	+16dBu
Output Impedance	75 Ohm
PHONES 1/2	
Maximum Output Level	35mW+35mW, @40 Ohm
USB	
Specification	USB2.0, 24bit, 44.1kHz/48kHz/88.2kHz/96kHz
XLR INPUT	
Polarity	Pin 1: Ground Pin 2: Hot (+) Pin 3: Cold (-)

General Specifications

Power Requirements	8.4 W (PA-130)
Dimensions (H x D x W)	59 x 164 x 291 mm
Net Weight	1.4 kg
Operating Free-air Temperature Range	0 to +40 °C
Included Accessories	AC power adaptor (PA-130 or equivalent) Getting Started (this book) ESSENTIAL PRODUCT LICENSE INFORMATION card TOOLS for UR28M CD-ROM Cubase AI DVD-ROM USB cable

Specifications and descriptions in this manual are for information purposes only. Steinberg/Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Steinberg/Yamaha dealer.

Inrush Current based on EN 55103-1:2009
0.5A (on initial switch-on)
0.5A (after a supply interruption of 5s)
Conforms to Environments: E1, E2, E3 and E4

Information for Users on Collection and Disposal of Old Equipment

This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC.

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[For business users in the European Union]

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]

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En vous débarrassant correctement des déchets d'équipements électriques et électroniques, vous contribuerez à la sauvegarde de précieuses ressources et à la prévention de potentiels effets négatifs sur la santé humaine qui pourraient advenir lors d'un traitement inapproprié des déchets.

Pour plus d'informations à propos de la collecte et du recyclage des déchets d'équipements électriques et électroniques, veuillez contacter votre municipalité, votre service de traitement des déchets ou le point de vente où vous avez acheté les produits.

[Pour les professionnels dans l'Union Européenne]

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[Information sur le traitement dans d'autres pays en dehors de l'Union Européenne]

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