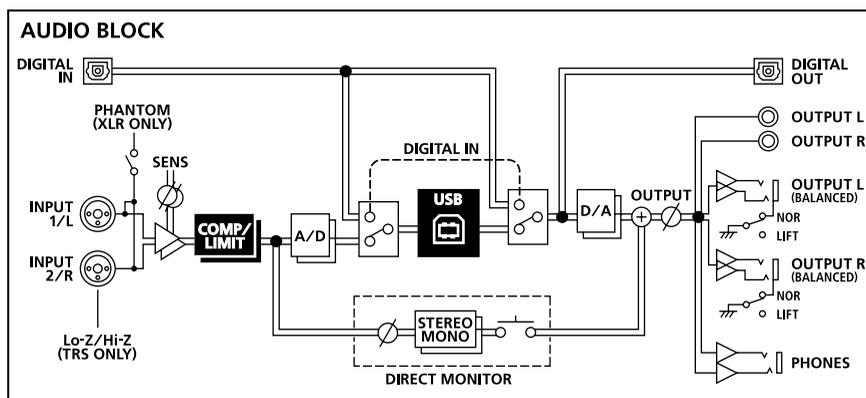


# USB AudioCapture UA-25EX

## 24 bit 96 kHz

## Owner's Manual

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (p. 2; p. 4). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.



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# USING THE UNIT SAFELY

## INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About  WARNING and  CAUTION Notices

|   |  |
|---|--|
|  <b>WARNING</b> | Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.   |
|  <b>CAUTION</b> | Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.<br>* Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets. |

About the Symbols

|   |  |
|---|--|
|  | The  symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.         |
|  | The  symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled. |
|  | The  symbol alerts the user to things that must be indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.   |

### ALWAYS OBSERVE THE FOLLOWING

#### **WARNING**

- Do not open or perform any internal modifications on the unit. 
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest EDIROL/Roland Service Center, or an authorized EDIROL/Roland distributor, as listed on the "Information" page. 
- Never install the unit in any of the following locations. 
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are 
  - Damp (e.g., baths, washrooms, on wet floors); or are
  - Exposed to steam or smoke; or are
  - Subject to salt exposure; or are
  - Humid; or are
  - Exposed to rain; or are
  - Dusty or sandy; or are
  - Subject to high levels of vibration and shakiness.

#### **WARNING**

- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces. 
- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist. 
- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.  

## **WARNING**

- Immediately turn the power off, and request servicing by your retailer, the nearest EDIROL/Roland Service Center, or an authorized EDIROL/Roland distributor, as listed on the “Information” page when:
  - If smoke or unusual odor occurs
  - Objects have fallen into, or liquid has been spilled onto the unit; or
  - The unit has been exposed to rain (or otherwise has become wet); or
  - The unit does not appear to operate normally or exhibits a marked change in performance.



- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.



- Protect the unit from strong impact. (Do not drop it!)



- DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result.



## **CAUTION**

- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.



- Never climb on top of, nor place heavy objects on the unit.



- Disconnect all cords coming from external devices before moving the unit.



- Always turn the phantom power off when connecting any device other than condenser microphones that require phantom power. You risk causing damage if you mistakenly supply phantom power to dynamic microphones, audio playback devices, or other devices that don't require such power. Be sure to check the specifications of any microphone you intend to use by referring to the manual that came with it.



(This instrument's phantom power:  
48 V DC, 8 mA Max)

# IMPORTANT NOTES

## Power Supply

- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

## Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface. You can place a piece of felt or cloth under the rubber feet to prevent this from happening. If you do so, please make sure that the unit will not slip or move accidentally.

## Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

## Handling CD-ROMs

- Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner.

## Copyright

- Recording, duplication, distribution, sale, lease, performance, or broadcast of copyrighted material (musical works, visual works, broadcasts, live performances, etc.) belonging to a third party in part or in whole without the permission of the copyright owner is forbidden by law.
- This product can be used to record or duplicate audio or visual material without being limited by certain technological copy-protection measures. This is due to the fact that this product is intended to be used for the purpose of producing original music or video material, and is therefore designed so that material that does not infringe copyrights belonging to others (for example, your own original works) can be recorded or duplicated freely.
- Do not use this unit for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this unit.

---

## Additional Precautions

- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
  - When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
  - To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).
  - When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
  - Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.
  - Before you open the included CD-ROM, you must read the "license agreement." Opening the CD-ROM will be taken to mean your acceptance of the license agreement.
- \* Microsoft, Windows and Windows Vista are registered trademarks of Microsoft Corporation.
  - \* The screen shots in this document are used in compliance with the guidelines of the Microsoft Corporation.
  - \* Windows® is known officially as: "Microsoft® Windows® operating system."
  - \* Apple, Macintosh and Mac OS are registered trademarks of Apple Inc.
  - \* Pentium is a registered trademark of Intel Corporation.
  - \* All product names mentioned in this document are trademarks or registered trademarks of their respective owners.

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# Contents of the Package

After you open the package, please check that all items are present.  
If anything is missing, contact your dealer.

## ■ UA-25EX



## ■ Owner's manual

This is the document you're reading. Keep it at hand for reference when needed.

## ■ CD-ROMs (2 discs)

### UA-25EX Driver CD-ROM

This contains the UA-25EX drivers and demo songs.

### Cakewalk Production Plus Pack CD-ROM

This contains Cakewalk Production Plus Pack.

- **SONAR 6 LE** lets you experience a premium music production environment
- **Project5 LE** allows intuitive pattern-based music production
- **Dimension LE** is a sampling synthesizer that's ready for immediate use

For details on using these software, refer to the installation guides and the software help provided on the CD-ROM.

- \* *Use of the demo song supplied with this product for any purpose other than private, personal enjoyment without the permission of the copyright holder is prohibited by law. Additionally, this data must not be copied, nor used in a secondary copyrighted work without the permission of the copyright holder.*
- \* *Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner.*

## ⚠ WARNING

DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result.



## ■ USB cable

Use this cable to connect the UA-25EX to the USB connector of your computer.

*\* Please use only the included USB cable. If you require a replacement due to loss or damage, please contact the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.*

## ■ License agreement

This agreement allows you to use certain software whose copyright is the property of Roland Corporation. You must read this before opening the CD-ROMs.

### **You'll need to provide the following items**

#### **External amplifier, speakers, headphones, and microphone are not included.**

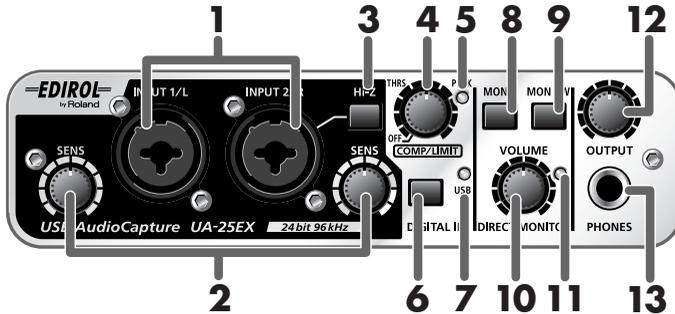
The external amplifier, speakers, or headphones that you'll need in order to listen to sounds that are output via the UA-25EX are not included. Nor is there included a microphone for connection to the UA-25EX to input audio. You'll need to obtain these items separately.

#### **Cables for connecting to an MD or DAT recorder are not included.**

You can use an MD or DAT digital recorder to record digital audio, but a cable for connecting your digital device to the UA-25EX is not included. You'll need to obtain this separately.

# Panel Descriptions

## Front Panel

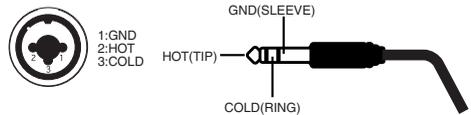
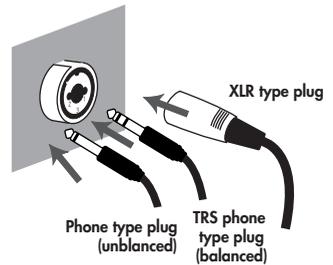


### 1. Combo input jacks

These are analog audio input jacks with microphone preamps. They accommodate both XLR type and phone type plugs, allowing you to use the type appropriate for the device you're connecting. They also support either balanced or unbalanced connections.

Connect a microphone to XLR type jacks. The XLR type jacks can provide 48 V phantom power, allowing you to connect a phantom-powered condenser microphone. In this case, set the rear panel **Phantom power switch (23)** to the ON position.

*\* This instrument is equipped with balanced (XLR/TRS) type jacks. Wiring diagrams for these jacks are shown on the right. Make connections after first checking the wiring diagrams of other equipment you intend to connect.*



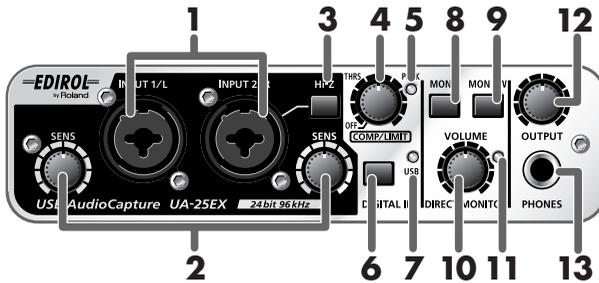
### 2. Input sensitivity knobs

These adjust the input level of the signals that are input from the front panel **combo input jacks (1)**.

### 3. Input impedance select switch

This lets you select either high impedance (Hi-Z) or low impedance (Lo-Z) as appropriate for the device you've connected to the phone type input jack of **combo input jack (1)** INPUT 2/R.

If you've connected a guitar or bass, turn the **input impedance select switch** on (pressed inward ) to select high impedance (Hi-Z). If you've connected a synthesizer or an analog audio device, turn the **input impedance select switch** off (outward position ) to select low impedance (Lo-Z). The phone type jack of the **combo input jack** INPUT 1/L is fixed at low impedance (Lo-Z).



#### 4. Compressor/Limiter threshold knob

This adjusts the threshold of the compressor/limiter.

Turning the knob toward the right will lower the level at which the compressor/limiter begins to be applied. If the rear panel **compressor/limiter type switch (22)** is set to compressor 1 (or 2), the gain (makeup gain) will rise as the threshold level is lowered, producing a fat sound.

Turning this all the way to the left will turn off the compressor/limiter.

\* Turning this knob toward the right will strengthen the compressor effect, which may create the impression that the tone is being affected. If this occurs, turn the threshold knob back toward the left until the tonal change is not noticeable.

\* If you want to turn the circuit itself completely off, set the rear panel **compressor/limiter type switch (22)** to the OFF (BYPASS) position.

#### 5. Peak indicator

This indicates the input signal level. Use the **input sensitivity knob (2)** for each input jack to adjust the input level so that the peak indicator does not light.

If the rear panel **compressor/limiter type switch (22)** is set to OFF (BYPASS) position, the peak indicator will light red. The compressor/limiter type switch is set to compressor 1, 2 or Limiter position, the peak indicator will light green.

#### 6. Digital input switch

If you want to record from the digital input, turn this ON (pressed inward ).

This allows you to synchronize with the external digital device connected to the **digital input connector (17)**.

| Digital input switch  | Status   |
|---|--|
| ON  with a digital device connected to the digital input connector  | The input from the <b>digital input connector (17)</b> is sent to the computer ( <b>Digital input mode</b> ).  |
| OFF   | The input from the <b>combo input jacks (1)</b> is sent to the computer.   |
| ON  with no digital device connected to the digital input connector | The audio signal (sound) that is output from the computer via USB will pass through the UA-25EX and return to the computer ( <b>LoopBack mode</b> ). |

\* In **digital input mode** you will not hear the sound from the computer. The settings of the direct monitor section will be ignored. This means that the **direct monitor switch (9)**, **STEREO/MONO select switch (8)**, and **direct monitor volume (10)** will not do anything.

## 7. USB indicator

This will light blue if the UA-25EX is connected to your computer via the USB cable and the computer has correctly recognized the UA-25EX.

## 8. STEREO/MONO select switch (direct monitor section)

This selects whether the input signal from the **combo input jacks (1)** will be monitored in stereo (STEREO) or in monaural (MONO).

If you've connected a guitar only to INPUT 2/R, set this to monaural (  pressed inward). Even if this is set to monaural, the audio signal sent via USB to your computer will be stereo.

\* If the **digital input switch (6)** is on, operating the **STEREO/MONO select switch** will not do anything.

## 9. Direct monitor switch (direct monitor section)

This selects whether the input signal from the **combo input jacks (1)** will be output from the **headphone jack (13)** and **master output jacks (14)**. The direct monitor ON and OFF will change whenever this switch is pushed. The direct monitor ON/OFF status can be controlled directly from ASIO 2.0 compatible software such as Cubase.

| Direct monitor switch                   | Status   |
|---|--|
| ON<br>(direct monitor indicator lit)    | The input signal will be output.   |
| OFF<br>(direct monitor indicator unlit) | The input signal will not be output. Use the OFF setting if the audio signal is being passed "through" within the computer, or if you've connected a mixer and are monitoring the input signal directly from the mixer's output. |

\* In **digital input mode**, direct monitor is always ON, regardless of the **direct monitor switch** operation.

## 10. Direct monitor volume (direct monitor section)

This adjusts the volume at which the input signal from the **combo input jacks (1)** is output from the **headphone jack (13)** and **master output jacks (14)**.

If this is turned all the way to the right, the monitored sound will be twice volume (+6 dB).

## 11. Direct monitor indicator (direct monitor section)

This will light when direct monitor is on, and will be unlit when it is OFF. If the **digital input switch (6)** is turned on, direct monitor will be OFF automatically and the **direct monitor indicator** will be extinguished.

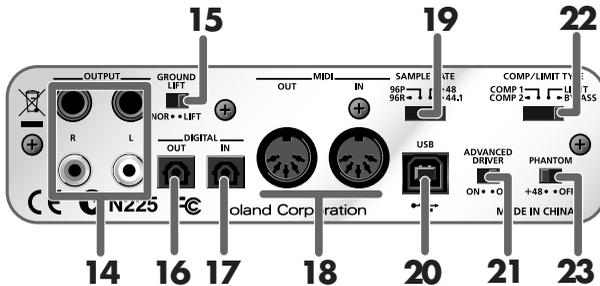
## 12. Output volume

This adjusts the volume that is output from the **headphone jack (13)** and **master output jacks (14)**.

## 13. Headphone jack

Accepts connection of headphones. This jack will output the same sound as the **master output jacks (14)**. Sound will be output from the **master output jacks** even if headphones are connected.

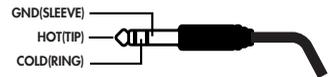
## Rear Panel



### 14. Master output jacks (TRS balanced type, RCA phono type)

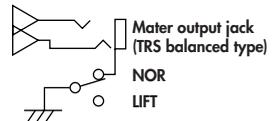
These are output jacks for analog audio signals. The phone jacks and RCA phono jacks output the same signal. You may use whichever type of jack is appropriate for the connected device or the type of cable.

\* The TRS balanced master output jacks are wired as shown on the right. Before you make connections, check the wiring of the equipment you're connecting.



### 15. Ground lift switch

Normally, you can leave this in the NORMAL (NOR) position. If you experience noise due to a ground loop, you may be able to eliminate the noise by setting this to the LIFT position, so that the sleeve (SLEEVE) pin of the master output TRS balanced jacks is disconnected from ground.



### 16. Digital output connector (optical)

This is an output connector for digital audio signals. Use this to digitally output audio signals to a digital audio device such as an MD or DAT. Use an optical cable to make connections.

### 17. Digital input connector (optical)

This is an input connector for digital audio signals. Use this to digitally input audio signals from a digital audio device such as a CD, MD, or DAT. Use an optical cable to make connections.

### 18. MIDI IN/OUT connectors

These are MIDI connectors which transmit and receive MIDI messages between computer.

\* The MIDI IN/OUT connectors are not available, if you're using the UA-25EX in Standard driver mode (p. 14).

### 19. Sample rate select switch

This specifies the sample rate at which audio is recorded or played back. If you change the setting of the sample rate select switch, you must close all software, disconnect the USB cable that connects the UA-25EX to your computer, and then reconnect the USB cable.

\* If you are using Standard driver mode (the **Advanced Driver switch** turned off), the sample rate is fixed at 44.1 kHz regardless of the sample rate select switch setting.

\* If you want to use 96 kHz, set the switch to "96R" while recording and to "96P" while playing back.

## 20. USB connector

Use a USB cable to connect this to your computer.

## 21. ADVANCED DRIVER switch

This switches the operation mode of the UA-25EX.

The UA-25EX has two operating modes, Advanced mode and Standard driver mode, and each mode uses a different driver.

If you change the setting of this switch, you must close all software, disconnect the USB cable that connects the UA-25EX to your computer, and then reconnect the USB cable.

### ON (Advanced mode)

In this mode you can use the included UA-25EX driver to record, play and edit audio with high quality and stable timing. Choose this mode if you're using sequencer software or audio editing software.

### OFF (Standard driver mode)

Choose this mode if you're using software that uses the standard audio driver included with your operating system.

\* The sample rate will be fixed at 44.1 kHz/16-bit regardless of the setting of the UA-25EX's **sample rate select switch**, when using Standard driver mode.

\* The MIDI IN/OUT connectors are not available when using Standard driver mode.

For details on the driver operation mode, refer to "What is a Driver?" (p. 14).

## 22. Compressor/Limiter type switch

This selects the type of hardware compressor/limiter that is applied to the input signal from the **combo input jacks (1)**. Use the **compressor/limiter threshold knob (4)** to adjust the threshold of the compressor/limiter.

The UA-25EX provides two type of compressors, each type have different attack time.

| Switch                | Explanation  |
|-----------------------|--|
| Compressor 1 (COMP 1) | A compressor with a short attack time, suitable for vocals.  |
| Compressor 2 (COMP 2) | A compressor with a long attack, suitable for recording instruments such as percussion or acoustic guitar.   |
| Limiter (LIMIT)       | This applies mild compression when an unexpected, high-volume signal is input, preventing clipping noise from occurring before the AD converter.<br>* Clipping noise will occur if the input exceeds the range of the limiter. |
| OFF (BYPASS)          | The compressor/limiter circuit will be completely bypassed.  |

## 23. Phantom power switch

This is an ON/OFF switch for the phantom power that is supplied to the XLR connectors of the front panel **combo input jacks (1)**.

\* You must leave the phantom power turned off unless condenser microphones requiring phantom power are connected to the XLR connectors. Supplying phantom power to a dynamic microphone or to an audio playback device may cause malfunctions. For details on the requirements of your microphone, refer to its owner's manual.

\* The UA-25EX's phantom power supply: DC 48 V, 8 mA maximum.

# Introduction

## What is a Driver?

A driver is software that transfers data between the UA-25EX and application software on your computer when your computer and the UA-25EX are connected via a USB cable. You will need to install the driver before connecting the UA-25EX with your computer.

The driver sends data from the application to the UA-25EX, and conversely from the UA-25EX to the application.

The UA-25EX has two operating modes, Advanced mode and Standard driver mode, and each mode uses a different driver.

### Advanced mode

The UA-25EX will operate in this mode when its rear panel **advanced driver switch** is **ON**. Normally, you should use this setting.

You can use the native driver included on the UA-25EX Driver CD-ROM to record, play, and edit audio with high quality and stable timing.

In Advanced mode, signals are transferred between the UA-25EX and the computer at a bit depth of **24 bits** and a sample rate of **44.1/48/96 kHz**.

Choose Advanced mode if you're using software that supports 24-bit audio, such as the Cakewalk series or if you're using **ASIO-compatible** or **CoreAudio-compatible** software that is able to record, play, and edit high-quality audio, such as Cubase or Logic.

### Standard driver mode

The UA-25EX will operate in this mode when its rear panel **advanced driver switch** is **OFF**. The standard USB audio driver provided by the operating system will be used.

In Standard driver mode, signals are transferred between the UA-25EX and the computer at a bit depth of **16 bits** and a sample rate of **44.1 kHz**.

Choose this mode if you are using software that uses the standard functionality provided by the operating system.

Normally, the driver will be installed automatically when you connect the UA-25EX to your computer via the USB cable.

- \* *The driver included with the operating system does not support ASIO.*
- \* *The MIDI IN/OUT connectors are not available when using Standard driver mode.*

The installation procedure and settings will differ depending on your system. If you're using Advanced mode, proceed to one of the following sections as appropriate for your system.

- Windows Vista users ..... p. 15
- Windows XP users..... p. 18
- Mac OS X users ..... p. 21

## Driver Installation and Settings (Windows Vista)

Start up Windows with all USB cables disconnected (except those for a USB keyboard and/or USB mouse, if used).

- 1 Close all applications before you install the driver.
- 2 Insert the included UA-25EX Driver CD-ROM into your computer.
- 3 Start up the installer for the Windows driver.
  1. Choose **[Start]** - **[Computer]**.
  2. In the CD-ROM, double-click the **"Driver (Vista)"** folder.
  3. Double-click the **Setup** icon.

*\* If you see a message telling you that **"Drivers must be installed by an administrator,"** log on to Windows as a user whose account type is Administrator, and perform the installation again.*
- 4 A user account control screen will appear; click **[Continue]**.
- 5 The screen will indicate **"EDIROL UA-25EX Driver will be installed on your computer."** Click **[Next]**.
 

*\* If any other message appears, proceed as directed by that message.*
- 6 To begin the installation, click **[Next]**.
- 7 If a Windows security dialog box appears, click **[Install]**.
 

The screen will indicate **"UA-25EX driver has been installed."**

*\* If any other message appears, proceed as directed by that message.*
- 8 Set the UA-25EX's **advanced driver switch** to the **"ON"** position.
- 9 Use the USB cable to connect the UA-25EX to your computer.

**10**

The message **“Installing device driver software”** will appear in the lower right corner of the screen, and the driver will be installed automatically.

*\* If any other message appears, note the content of the message and close the message.*

When the message **“Device driver software was installed successfully”** appears in the lower right corner of the screen, installation is complete.

Click **[Close]** to close the **“Driver Setup”** dialog box.

**11**

If the **“System settings changed”** dialog box appears, click **[Yes]** and restart Windows.

This completes installation of the UA-25EX driver. As described in following, make settings of your software

## Input/Output Device Settings for Your Software

In order to get the best performance from the software you are using, you must choose the appropriate input/output device settings for your software, as described below. (For the procedure, refer to the owner’s manual of the application you’re using.)

### Audio input/output devices

The UA-25EX has two input and two output audio channels.

- WAVE OUT device: **OUT (UA-25EX)**
- WAVE IN device: **IN (UA-25EX)**
- ASIO device: **EDIROL UA-25EX**

*\* If you’re using the UA-25EX with an ASIO-compatible application, choose “EDIROL UA-25EX” in the ASIO settings of your application.*

*\* To prevent an audio feedback loop or double monitoring, turn monitoring off in your application, or make settings so that ASIO Direct Monitor is used.*

*\* We recommend that you set your application to not use Windows’ Microsoft GS Wavetable Synth while using the UA-25EX via ASIO. (This will decrease the processing load, and make it easier to change the driver buffer size.)*

### MIDI input/output devices

*\* The Media Player included with Windows Vista cannot use the UA-25EX’s MIDI input/output device.*

In your MIDI-compatible application, select the following devices.

- MIDI OUT device: **UA-25EX**
- MIDI IN device: **UA-25EX**

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## Settings for Using the UA-25EX with Windows Media Player

- 1 ▶ Open the **“Control Panel,”** click **“Hardware and Sounds,”** and then click **“Sounds.”**  
*\* If you’ve selected the Classic view, double-click “Sounds.”*
- 2 ▶ In **“Playback,”** select the EDIROL UA-25EX’s **“OUT,”** and click **“Set as default.”**
- 3 ▶ Click **[OK]** to close **“Sounds.”**
- 4 ▶ Start up Windows Media Player, and select and play an audio file.

## Driver Installation and Settings (Windows XP)

Start up Windows with all USB cables disconnected (except those for a USB keyboard and/or USB mouse, if used).

- 1 Close all applications before you install the driver.
- 2 Insert the included UA-25EX Driver CD-ROM into your computer.
- 3 Start up the installer for the Windows driver.
  1. Choose **[Start] - [My Computer]**.
  2. In the CD-ROM, double-click the **"Driver (XP)"** folder.
  3. Double-click the **Setup** icon.

*\* If an "Install as different user" dialog box appears, click **[Cancel]**, log onto windows using an Administrator account, and perform the installation again.*
- 4 The screen will indicate **"EDIROL UA-25EX Driver will be installed on your computer."** Click **[Next]**.

*\* If any other message appears, proceed as directed by that message.*
- 5 To begin the installation, click **[Next]**.
- 6 If a dialog box indicating **"Software installation"** appears, click **[Continue Anyway]** to continue the installation.

*\* If you are unable to continue, click **[OK]** to stop the installation for the time being, and refer to **"Appendix: Troubleshooting"** (p. 37).*

The screen will indicate **"Ready to install the driver."**

*\* If any other message appears, proceed as directed by that message.*
- 7 Set the UA-25EX's **advanced driver switch** to the **"ON"** position.

- 8** Use the USB cable to connect the UA-25EX to your computer.
1. In the lower right corner of the screen, your computer will indicate **“Found New Hardware.”** Please wait until the **“Found New Hardware Wizard”** appears.
    - \* *It may take some time before the “Found New Hardware Wizard” appears.*
  2. If you are asked whether you want to connect to Windows Update, choose **“No”** and click **[Next]**.
  3. Choose **“Install the software automatically (recommended),”** and click **[Next]**.
  4. If the **“Hardware Installation”** dialog box appears, click **[Continue Anyway]** to continue the installation.
    - \* *If you are unable to continue, click [OK] to stop the installation for the time being, and refer to **Appendix: Troubleshooting** (p. 37).*
  5. If the screen indicates **“Completing the Found New Hardware Wizard,”** click **[Finish]**.
- 9** If the **“Driver Setup”** dialog box appears, click **[Close]** to close the **“Driver Setup”** dialog box.
- 10** If the **“System Settings Change”** dialog box appears, click **[Yes]** to restart Windows.
- This completes installation of the UA-25EX driver. As described in following, make settings of your software
- \* *If you are unable to use the UA-25EX after connecting it, it is possible that a problem has occurred. Refer to **“Appendix: Troubleshooting”** (p. 37).*

## Giving Priority to Background Service

On Windows XP, if you omit making this setting, you may experience sound dropout. By making this setting you may be able to solve such problems. Be sure to make this setting before you begin using the UA-25EX.

- 1 Open the **“Control Panel,”** and double-click **“System.”**
  - \* *If you don't see the above icon, click **“Performance and Maintenance,”** and then click **“System.”***
- 2 Click the **“Advanced”** tab, click **[Settings]** located in the Performance area, and click the **“Advanced”** tab.
- 3 Choose **“Background services,”** and click **[OK]**.
- 4 Click **[OK]** to close **“System Properties.”**

## Input/Output Device Settings for Your Software

In order to get the best performance from the software you are using, you must choose the appropriate input/output device settings for your software, as described below. (For the procedure, refer to the owner's manual of the application you're using.)

### Audio input/output devices

The UA-25EX has two input and two output audio channels.

- WAVE OUT device: **OUT (UA-25EX)**
- WAVE IN device: **IN (UA-25EX)**
- ASIO device: **EDIROL UA-25EX**

- \* *If you're using the UA-25EX with an ASIO-compatible application, choose "EDIROL UA-25EX" in the ASIO settings of your application.*
- \* *To prevent an audio feedback loop or double monitoring, turn monitoring off in your application, or make settings so that ASIO Direct Monitor is used.*
- \* *We recommend that you set your application to not use Windows' Microsoft GS Wavetable Synth while using the UA-25EX via ASIO. (This will decrease the processing load, and make it easier to change the driver buffer size.)*

### MIDI input/output devices

In your MIDI-compatible application, select the following devices.

- MIDI OUT device: **UA-25EX**
- MIDI IN device: **UA-25EX**

## Settings for Using the UA-25EX with Windows Media Player

- ▶ Open the **"Control Panel,"** and double-click **"Sounds and Multimedia"** or **"Sounds and Audio Devices."**
  - \* *If you don't see the above icon, click **"Sounds, Audio, and Audio Devices,"** and then click **"Sounds and Audio Devices."***
- ▶ Click the **"Audio"** tab. Select **"UA-25EX"** in the **"Sound Playback"** area, and choose **"UA-25EX"** in the **"MIDI Music Playback"** area.
  - \* *If you are unable to select the above WAVE/MIDI ports, it is possible that a problem has occurred. Refer to **"Troubleshooting."***
- ▶ Click [OK] to close **"Sound and Multimedia Properties"** or **"Sound and Audio Device Properties."**
- ▶ Start up Windows Media Player, and select and play an audio file.

## Driver Installation and Settings (Mac OS X)

Start up the operating system with all USB cables disconnected (except for the keyboard and mouse).

\* If the **"Authenticate"** dialog box appears during the installation, input the password and click **[OK]**.

- 1 Close all applications before you perform the installation.
- 2 Insert the included UA-25EX Driver CD-ROM into your computer.
- 3 In the CD-ROM, double-click the **"Driver (Mac OS X)"** folder.
- 4 Double-click **"UA25EXUSBDriver.pkg"**
- 5 In some cases, you will see a message saying **"In order to determine whether installation is possible, this installer package must run a program. Continue?"** In this case, click **[Continue]**.
- 6 The display will indicate **"Welcome to the EDIROL UA-25EX Driver Installer."** Click **[Continue]**.
- 7 The display will indicate **"Select a Destination."** Click the drive in which the operating system is installed to select it, and then click **[Continue]**.
- 8 The display will indicate **"Easy Install."** Click **[Install]** or **[Upgrade]**.
- 9 The display will indicate **"Installing this software requires you to restart your computer when the installation is done."** Click **[Continue Installation]**.
- 10 The display will indicate **"The software was successfully installed."** Click **[Restart]** to restart your computer.

\* It may take some time for your computer to restart.

This completes installation of the UA-25EX driver.

## Audio Input/Output Settings

- 1 ▶ Set the UA-25EX's **advanced driver switch** to the **"ON"** position.
- 2 ▶ Use the USB cable to connect the UA-25EX to your computer.
- 3 ▶ Open **"System Preferences"** and click **"Sound."**
- 4 ▶ Choose **"EDIROL UA-25EX ??kHz"** for each of the following items.  
(?? will depend on the sample rate setting of the UA-25EX itself.)
  - In the **"Sound Effects"** tab, **"Play alerts and sound effects through"**
  - In the **"Output"** tab, **"Choose a device for sound output"**
  - In the **"Input"** tab, **"Choose a device for sound input"**

## MIDI Input/Output Settings

- 1 ▶ Use the USB cable to connect the UA-25EX to your computer.
- 2 ▶ In the **Application–Utilities** folder, double-click **"Audio MIDI Setup"** to open it.
- 3 ▶ Click the **"MIDI Devices"** tab.
- 4 ▶ Verify that **"UA-25EX"** is shown in the **"Audio MIDI Setup"** dialog box.
  - \* If **"UA-25EX"** is not shown, or if it is shown in gray, the UA-25EX has not been recognized correctly. Try clicking **"Rescan MIDI."** You can also try disconnecting the UA-25EX's USB cable and reconnecting it.
  - \* If you have installed a driver of a different version, it may be that the previous settings remain. In this case, select the **"UA-25EX"** or **"EDIROL UA-25EX"** that is displayed in gray, and click **"Remove Device"** to remove the settings.
- 5 ▶ Click **"Add Device."** **"New external device"** will appear.
- 6 ▶ Specify the **"Device name"** of the **"New external device."**
  1. Click the added **"New external device"** to select it, and click **"See information."**
  2. In the **"Device name"** field, enter **"UA-25EX."**
- 7 ▶ Using the mouse, drag the up/down arrows that indicate the input/output ports so that they are connected in the following way.
  - The first up/down arrows of **"UA-25EX"** are connected to the up/down arrows of the added **"UA-25EX"**

- 8 ▶ Verify that MIDI reception and transmission can occur correctly. Follow the procedure given below.
  1. Click **“Test setup.”** The shape of the mouse cursor will change.
    - \* *If a sound module is connected to the UA-25EX, the following step will cause your sound module to produce a relatively loud sound; turn down the volume of the sound module before you continue.*
  2. If a sound module is connected to the UA-25EX's MIDI OUT connector, click the corresponding external device. If the sound module produces sound, the setup is correct.
  3. Click **“Test setup”** once again to end the test.
- 9 ▶ Close the **“Audio MIDI Setup”** dialog box. This completes the setup.

## Before You Use the UA-25EX with Your Software

- 1 ▶ First use the USB cable to connect the UA-25EX to your computer, and then start up the software.
- 2 ▶ Choose **“EDIROL UA-25EX ??kHz”** in the audio driver settings of your software.  
(“??kHz” will depend on the sample rate setting of the UA-25EX itself.)
- 3 ▶ Choose **“UA-25EX”** in the **MIDI driver settings** of your software.  
For details, refer to the manual of the software you're using.

# Basic Connections and Settings

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This section explains the basic connections and data flow for the UA-25EX. Refer to the block diagram printed on the front cover of the manual as you read this section.

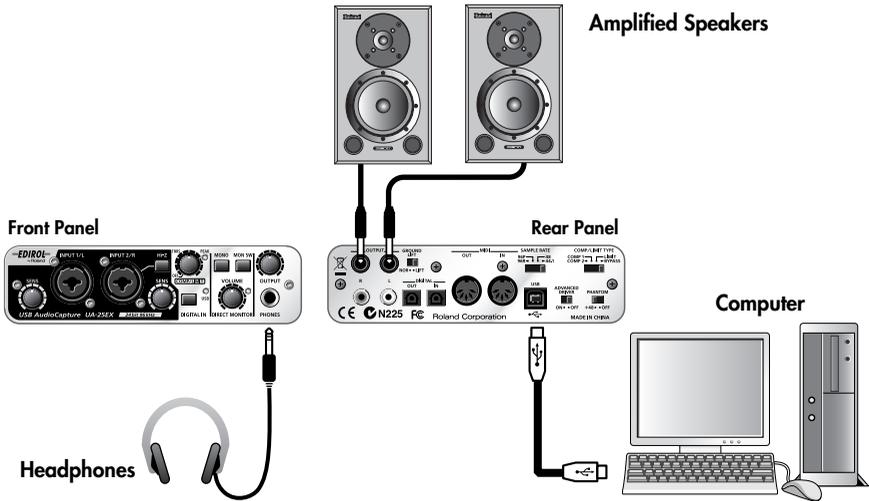
- \* *To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.*
- \* *When connection cables containing resistors are used, the volume level of equipment connected to the inputs (input jacks) may be low. If this happens, use connection cables that do not contain resistors.*
- \* *Don't connect anything to input jacks you are not using.*
- \* *Howling could be produced depending on the location of microphones relative to speakers. This can be remedied by:
  1. *Changing the orientation of the microphone(s).*
  2. *Relocating microphone(s) at a greater distance from speakers.*
  3. *Lowering volume levels.**

# Basic Connections

Use the USB cable to connect the UA-25EX to your computer.

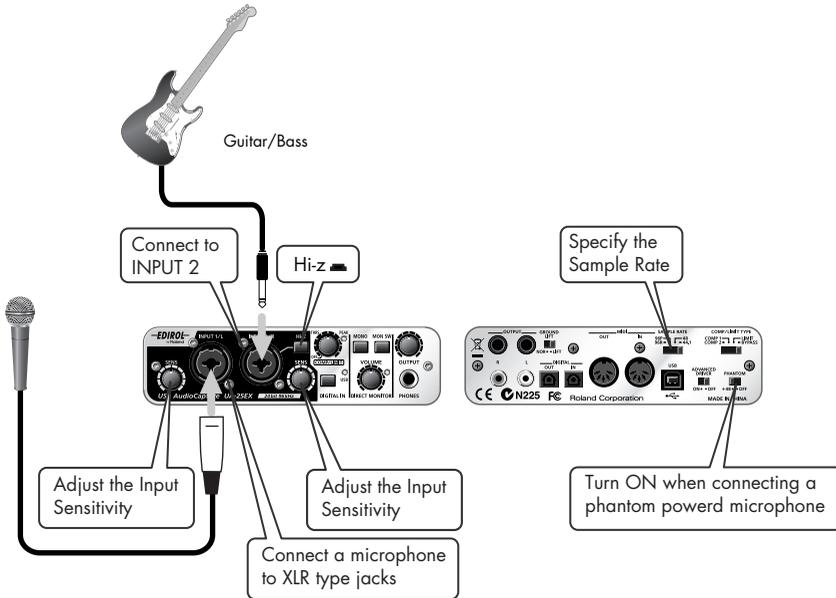
MIDI data and audio data are transferred in both directions via the USB cable.

By connecting headphones or monitor speakers as shown in the illustration, you can monitor the playback from your software or the sound from an instrument or audio device connected to the UA-25EX.



# Connecting a Microphone or a Guitar

With the connections and settings described here, you can listen to audio data play back from your computer while you record just your vocal or guitar performance into your sequencer.



## Connections

The sound of the microphone connected to INPUT 1 will be recorded in your computer on the left (L) channel. If you connect a source to INPUT 2, it will be recorded on the right (R) channel. Connect your guitar/bass to INPUT 2.

### Input impedance select switch

- If you've connected a guitar/bass to INPUT 2: Select Hi-Z (  pressed inward).
- If you've connected a microphone to INPUT 2: Select Lo-Z (  outward position).

### Phantom power switch

If you're using a condenser microphone, turn the phantom power switch on.

\* If a device that does not use phantom power is connected, you must turn off the phantom power switch. Failing to do so may cause malfunction.

---

## **Input sensitivity knob**

Use the input sensitivity knob to adjust the input level. You can obtain the best recording quality by turning the input sensitivity knobs as high as possible without causing the peak indicators to light.

## **Sample rate select switch**

Set this to the same sample rate as selected in your recording software.

If you change the UA-25EX's sample rate, you must disconnect the USB cable that connects the UA-25EX to your computer, and then reconnect the USB cable in order for the new setting to take effect.

## **STEREO/MONO select switch (Direct Monitor section)**

This selects whether the input signal is to be monitored in stereo or in monaural.

## **Direct Monitor switch**

You can turn this on to monitor the input signal.

Turn this off if you want to pass the signal "through" within your software.

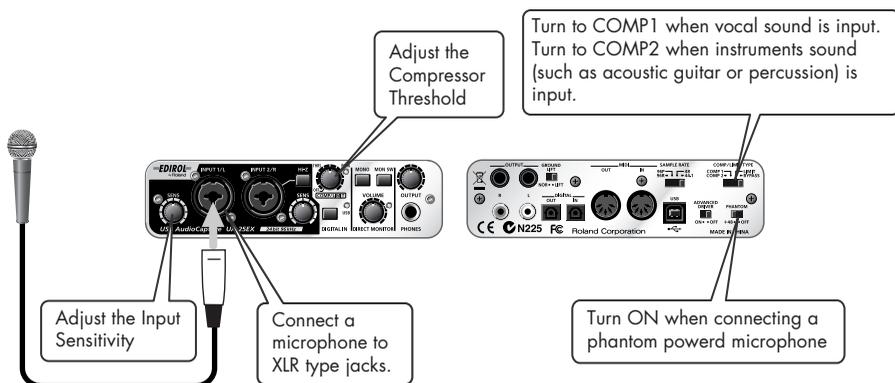
## **Direct Monitor volume**

This adjusts the balance between the monitor volume and the volume of the audio being played back from your computer.

Using the direct monitor volume control to adjust the volume will not affect the recording level.

## Connecting a Microphone and Applying the Compressor

You can obtain a fatter sound by applying a compressor to the input signal from the microphone.



### Connections

The sound of the microphone connected to INPUT 1 will be recorded in your computer on the left (L) channel. If you connect a source to INPUT 2, it will be recorded on the right (R) channel. Connect your guitar to INPUT 2.

### Phantom power switch

If you're using a condenser microphone, turn the phantom power switch on.

\* If a device that does not use phantom power is connected, you must turn off the phantom power switch. Failing to do so may cause malfunction.

### Input sensitivity knob

Use the input sensitivity knob to adjust the input level. You can obtain the best recording quality by turning the input sensitivity knobs as high as possible without causing the peak indicators to light.

### Compressor/limiter threshold knob

Turning this knob toward the right will apply stronger compression. This will also increase the gain (makeup gain), so you should use the input sensitivity knob and threshold knob to adjust the input level so that the peak indicator does not light.

\* The compressor (and the limiter) does not support stereo signals. The compressor/limiter for INPUT 1 and INPUT 2 will each operate independently.

\* Turning this knob toward the right will strengthen the compressor effect, which may create the impression that the tone is being affected. If this occurs, turn the threshold knob back toward the left until the tonal change is not noticeable.

---

## Sample rate select switch

Set this to the same sample rate as selected in your recording software.

If you change the UA-25EX's sample rate, you must disconnect the USB cable that connects the UA-25EX to your computer, and then reconnect the USB cable in order for the new setting to take effect.

## STEREO/MONO select switch (Direct Monitor section)

This selects whether the input signal is to be monitored in stereo or in monaural. If you've connected a microphone as shown in this example, choose the monaural (MONO) setting.

## Direct Monitor switch

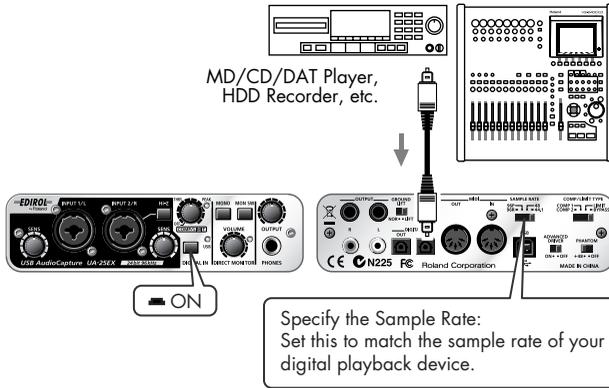
If this is on, the direct monitor indicator will be lit. Also you'll be able to monitor the sound with the compressor applied.

## Direct Monitor volume

This adjusts the balance between the monitor volume and the volume of the audio being played back from your computer.

Using the direct monitor volume control to adjust the volume will not affect the recording level.

# Recording a Digital Signal into Your Computer



## Connections

Connect your digital device to the digital input connector.

## Sample rate select switch

Set this to match the sample rate of the software you're using to record your digital playback device.

If you change the UA-25EX's sample rate, you must disconnect the USB cable that connects the UA-25EX to your computer, and then reconnect the USB cable in order for the new setting to take effect.

\* If you want to record at 96 kHz, you must set this switch to "96R" (record).

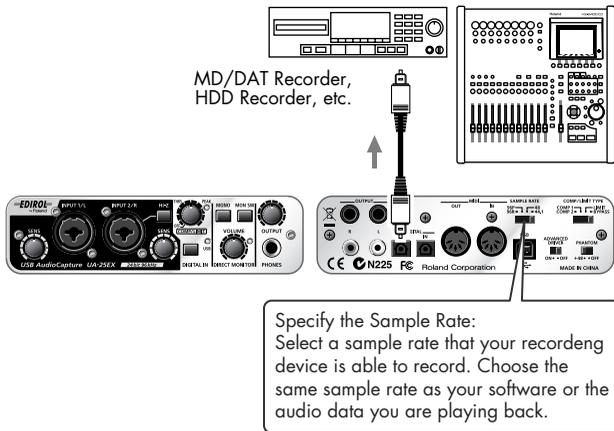
## Digital input switch

Turn this on so that the UA-25EX will synchronize to the digital signal being input to the digital input connector.

## Other notes

The direct monitor volume control will have no effect.

# Recording to an MD or Other Digital Device



## Connections

Connect your digital device to the digital output connector.

## Sample rate select switch

Set this to match the sample rate of your digital recording device and the sample rate of your software or the audio data you are playing back.

If you change the UA-25EX's sample rate, you must disconnect the USB cable that connects the UA-25EX to your computer, and then reconnect the USB cable in order for the new setting to take effect.

\* If you recorded at 96 kHz, you must set this switch to "96P" (playback).

## Other notes

The signals being input from the combo input jacks are not output directly from the digital output connector.

# Appendix: Driver settings

## Adjusting the Latency and Other Settings (Windows)

### Changing or Viewing the Settings

- 1 Before you change the driver settings, you must close all programs that are using the UA-25EX. This is not necessary if you're merely viewing the settings.
- 2 Open the "Control Panel" and click "EDIROL UA-25EX."  
*\* If you don't see the above icon, click "Switch to classic view."*  
The "EDIROL UA-25EX Driver settings" dialog box will appear.
- 3 If you want to change the settings, change the settings and then click [OK]. If you merely want to view the settings, be sure to click [Cancel].  
*\* For details about each item, refer to Items in the Settings Dialog Box (p. 33).*

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## Items in the Settings Dialog Box

*\* If you change the buffer size, you must restart the applications that are using the UA-25EX, or if your application has an audio device test function, you must execute that test function. Some applications may also have a buffer size adjustment as part of their own audio settings.*

### “Audio Buffer Size” option

Normally, you should leave the buffer size setting at the fifth position from the left.

### “Use Smaller ASIO Buffer Size” check box

By selecting this check box you can minimize the buffer size when using an ASIO-compatible application.

If you hear clicks or pops in the sound when this check box is selected, clear the check box.

*\* Adjust the “Audio buffer size” setting with this check box cleared.*

### “Use ASIO Direct Monitor” check box

Select this check box if you want to use ASIO Direct Monitor functionality in your ASIO-compatible application.

### “Light Load” check box

Normally, you should leave this check box cleared.

*\* If you’ve made a change to the settings, you must disconnect the USB cable from the UA-25EX and then reconnect it in order for the new settings to take effect.*

### Driver information

This shows the version of the currently installed driver.

## Adjusting the Latency and Other Settings (Mac OS X)

### Changing or Viewing the Settings

- 1 Use the USB cable to connect the UA-25EX to your computer.
- 2 In “System Preferences,” click “EDIROL UA-25EX.”
- 3 The driver settings panel will appear.

### Items in the Driver Settings Panel

*\* Even if you press [Apply] while the audio software is running, these settings will not be reflected immediately. The changes will take effect after you exit all of your audio software, then restart the software.*

#### “Audio buffer size”

This changes the size of the driver’s audio input/output buffer.

If you experience clicks or pops in the sound during playback or recording even after adjusting the audio buffer size within your software, try increasing this buffer size.

*\* Some software may not provide a buffer size adjustment.*

#### “Recording margin”

If you experience clicks or noise in the recorded audio data even after adjusting the audio buffer size within your software, try increasing this recording margin setting.

*\* Some software may not provide a buffer size adjustment.*

#### “Recording timing”

Adjust this value if the timing of the recorded audio data is offset.

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# Driver Uninstallation

## Uninstalling the Driver (Windows Vista)

- 1** ▶ Start up Windows with all USB cables disconnected (except those for a USB keyboard and/or USB mouse, if used).
- 2** ▶ Close all applications before performing the uninstallation.
- 3** ▶ Open **“Control Panel”** and click **“Uninstall a program.”**  
*\* If you’re using the Classic View, double-click the **“Programs and Features”** icon.*
- 4** ▶ In the list, choose EDIROL UA-25EX Driver, and click **“Uninstall/Change.”**
- 5** ▶ If a dialog box regarding User Account Control appears, click **[Continue]**.  
*\* If you are asked to enter the password for an administrative account, log on to Windows as a user whose account type is Administrator, and then perform the uninstallation.*
- 6** ▶ The display will indicate **“The installed EDIROL UA-25EX Driver will be uninstalled.”** and click the **[OK]**.
- 7** ▶ When the message **“Uninstallation was completed.”** is displayed, click **[OK]** to restart Windows.

## Uninstalling the Driver (Windows XP)

- ▶ Start up Windows with all USB cables disconnected (except those for a USB keyboard and/or USB mouse, if used).
- ▶ Close all applications before performing the uninstallation.
- ▶ Open **“Control Panel”** and click **“Add or Remove Programs.”**
- ▶ In the list, choose **EDIROL UA-25EX Driver**, and click **“Change/Remove.”**
- ▶ The display will indicate **“The installed EDIROL UA-25EX Driver will be uninstalled.”** and click the **[OK]**.  
*\* If any other message appears, follow the directions of the message.*
- ▶ When the message **“Uninstallation was completed.”** is displayed, click **[OK]** to restart Windows.

## Uninstalling the Driver (Mac OS X)

- ▶ Start up Windows with all USB cables disconnected (except those for a USB keyboard and/or USB mouse, if used).
- ▶ Close all applications before performing the uninstallation.
- ▶ Insert the included UA-25EX Driver CD-ROM into your computer.
- ▶ In the CD-ROM, double-click the **“Driver (Mac OS X)”** folder.
- ▶ Double-click **“UA25EX\_Uninstaller.”**
- ▶ The screen will indicate **“This uninstalls EDIROL UA-25EX driver from this Macintosh.”** Click **[Uninstall]**.  
*\* If any other message appears, proceed as directed by that message.*
- ▶ The screen will indicate **“Are you sure to uninstall the driver?”** Click **[OK]**.
- ▶ The **“Authenticate”** dialog box will appear. Enter your password, and click **[OK]**.
- ▶ The screen will indicate **“Uninstallation is completed.”** Click **[Restart]** to restart your computer.  
*\* It may take some time for your computer to restart.*

# Appendix: Troubleshooting

## Can't Install/Uninstall/Use the Driver

### Is the USB connector of your computer usable?

Refer to the owner's manual of your computer, and verify that the USB connector is usable. You can't install the driver unless the USB connector is usable.

### Can your computer or USB hub supply enough power?

Check whether the following cases might apply.

- If you're using a notebook computer that's running on batteries, the UA-25EX might not operate stably with some computers. If so, connect your computer to its AC adaptor.
- The power conservation settings of your computer may be limiting the power that is supplied to USB. Take another look at the settings of your computer.
- Some bus powered USB hubs cannot be used with the UA-25EX. Use a USB hub that contains a power supply.

### Does your computer meet the requirements of the USB specifications?

If your computer does not meet the electrical requirements of the USB specifications, the UA-25EX may not operate stably. If so, you may be able to solve the problem by using a self-powered USB hub.

### Is the UA-25EX's advanced driver switch turned "ON"?

Turn the UA-25EX's advanced driver switch "ON."

### Did you log on to Windows with the appropriate user privileges?

You must log onto Windows using one of the following user names.

- A user belonging to the Administrators group (e.g., Administrator)
- A user whose account type is Computer Administrator

## Driver Signing Option Setting

You may be unable to install the driver because of the “Driver Signing Option” setting. Check the following points, and make the appropriate setting.

1. Open the System **Properties** dialog box.
  1. From the Windows **Start** menu, open the **Control Panel**.
  2. In “**Pick a category,**” click “**Performance and maintenance.**”
  3. Under “**Pick a Control Panel icon,**” click the **System** icon.
    - \* Depending on your setup, the System icon may be shown directly in the Control Panel (the Classic view). If so, double-click the System icon.
2. Click the “**Hardware**” tab, and then click [**Driver Signing**].
3. The **Driver Signing Options** dialog box will appear. In the **Driver Signing Options** dialog box, choose “**Warn**” or “**Ignore,**” and then click [**OK**].
4. Click [**OK**] to close the **System Properties** dialog box.
5. Install the driver as described in the “**Installation**” procedure.
  - \* *After you’ve completed the installation, you can return the driver signing options setting to its original state.*

### Was the driver installed correctly?

If you are unable to use the UA-25EX even though the driver was installed, it is possible that the driver was not installed correctly. Uninstall the driver as described in “**Driver Uninstallation**” (p. 35), and then install the driver once again.

### Is the UA-25EX’s MIDI/WAVE device name shown?

If the device name is not shown, close all applications that are using the UA-25EX, disconnect the USB cable from the UA-25EX, and then reconnect it.

If this does not solve the problem, uninstall the driver as described in “**Driver Uninstallation**” (p. 35), and then install the driver once again.

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## Can't Select the UA-25EX Device

**Was the driver installed correctly?**

**Could the computer have entered standby (suspend) mode or hibernation while the UA-25EX was connected?**

If the UA-25EX does not operate correctly after your computer resumes from standby (suspend) mode or hibernation, close all applications you're using, disconnect the USB cable from the UA-25EX, and then reconnect it.

**Could you have disconnected and reconnected the USB cable while using the UA-25EX?**

The UA-25EX may stop operating correctly if you disconnect and reconnect the USB cable during use. In this case, close all applications that are using the UA-25EX, disconnect the USB cable from the UA-25EX, and then reconnect it.

**On some computers, the driver will not be loaded correctly if the UA-25EX is already connected when Windows starts up, making the UA-25EX unusable via USB.**

In this case, connect the UA-25EX after Windows has started up.

## Can't Play/Record

**Was the driver installed correctly?**

**Have you made settings in your software?**

To make settings, refer to **"Introduction"** (p. 14), and the owner's manual of the application software you're using.

**Could your computer have entered standby (suspend) mode or hibernation during playback or recording?**

If the UA-25EX does not operate correctly after your computer returns from standby (suspend) mode or hibernation, close all applications you're using, disconnect the USB cable from the UA-25EX, and then reconnect it.

**Could you have disconnected the USB cable during playback or recording?**

The UA-25EX may stop recording or playing correctly if you disconnect and reconnect the USB cable during recording or playback. Stop playback or recording, and then try playing or recording again. If you are still unsuccessful, close all applications that are using the UA-25EX, disconnect the USB cable from the UA-25EX, and then reconnect it.

## There are Interruptions, Dropouts, or Other Problems in the Sound During Playback

You may be able to solve the problem by taking the following steps.

### Windows Update/ Microsoft Update

Use Microsoft Corporation's Windows Update or Microsoft Update to update your system to the most recent state.

### System "Performance Options" settings

Follow the procedure described in "**Giving Priority to Background Service**" (p. 19).

### UA-25EX sample rate setting

Make sure that the sample rate setting of your application software matches the sample rate of the UA-25EX itself.

\* After changing the sample rate setting of the UA-25EX itself, you must close all software that use the UA-25EX, disconnect the USB cable from the UA-25EX, and then reconnect it.

### "Audio Buffer Size" in the setting dialog box

1. Open the **Settings** dialog box as described in "**Appendix: Driver settings**" (p. 32).
2. Increase the "**Audio Buffer Size.**"

### Clicks or pops may occur in the sound if a LAN is operating

Try disabling the LAN in Device Manager. If this eliminates the clicks or pops, you may be able to solve the problem by updating your LAN driver or BIOS.

### Windows XP: "Hardware Acceleration" in the Display Details

You may be able to eliminate noise during audio playback by adjusting the graphics acceleration setting.

1. Open the "**Control Panel,**" and double-click "**Display.**"  
\* If you don't see the above icon, click "**Appearance and Themes,**" and then click "**Display.**"
2. Click the "**Settings**" tab.
3. Click [**Advanced**] – "**Troubleshoot**" tab.
4. Adjust the "**Hardware acceleration**" slider, and click [**OK**].
5. In "**Display Properties,**" click [**OK**] to close the dialog box. Then restart your computer.

### You may be able to solve the problem by selecting the "Light Load" check box in the Settings dialog box.

To view or change this setting, follow the procedure described in "**Appendix: Driver settings**" (p. 32)

\* After you've changed this setting, you must disconnect the USB cable from the UA-25EX and then reconnect it so that the change will take effect. If you are not experiencing problems, leave this check box cleared (the default setting).

**Try adjusting the audio buffer size in your software.**

First, try adjusting the audio buffer size in the software you're using. If you still experience clicks or pops during playback or recording, try adjusting the "Audio Buffer Size" in the driver settings panel.

\* *Some software may not allow you to adjust the buffer size.*

**Mac OS: Try setting the "Processor performance" setting to "Highest".**

You may be able to eliminate clicks and pops by making the following setting.

\* *Some Macintosh computers do not provide a "Processor performance" setting.*

1. In "System Preferences," click "Energy Saver."
2. Click "Options."
3. For "Processor performance," choose "Highest."

**Mac OS: Could you have updated the Mac OS X software while UA-25EX was connected?**

It has been found that clicks or pops can occur if you performed a Mac OS X software update while the UA-25EX was connected. If so, install the driver once again.

**Could you have connected the UA-25EX to a USB hub?**

Try connecting the UA-25EX directly to a USB connector on your computer.

**Windows XP: The power management settings in the control panel may be causing audio playback to be interrupted.**

Use the following procedure to check the settings.

\* *The contents of the power properties that appear when you double-click power management will depend on your computer system.*

\* *The example shown here is for a typical system. You should refer to the owner's manual of your computer for details.*

\* *Some computers may not have the following settings.*

1. From the Windows **Control Panel**, double-click the **System** icon.  
The **System Properties** dialog box will appear.
2. Click the **Hardware** tab.
3. Click **Device Manager** to access the list of devices.
4. From the list, choose **Advanced Power Management Support**, and click **Properties**.  
The **Advanced Power Management Support Properties** dialog box will appear.
5. Click the **Settings** tab. In Troubleshooting, select the "Don't poll the power supply status" check box, and click **[OK]**.
6. In the **System Properties** dialog box, click **[OK]**.
7. Restart Windows.

## Playback/Recording Halts Midway, and Subsequent Playback/Recording is Not Possible

While you were using the UA-25EX, could your computer have performed a task with a heavy processing load, such as accessing a CD-ROM drive or the network?

If a heavy processing load occurs while the UA-25EX is being used, it may not work correctly. In this case, stop playback/recording, and then start playback/recording once again.

If you are still unable to play/record, close all software that was using the UA-25EX, disconnect the USB cable from the UA-25EX, and then reconnect it.

## The Computer Asks You for the Driver File Even Though You've Installed it

If you connect the UA-25EX to a different USB connector than previously, the computer may ask you for the driver file. (Windows XP)

This is normal behavior, and should not be a cause for concern. Install the driver according to the following procedure.

1. Use the USB cable to connect the UA-25EX to your computer.

<Windows XP users>

The indication "**Found new hardware**" will appear in the lower right corner of the screen. Wait for the "**Found New Hardware Wizard**" to appear.

\* *It may take some time for the "**Found New Hardware Wizard**" to appear.*

2. If you are asked whether you want to connect to Windows Update, choose "**No**" and click [**Next**].
3. Choose "**Install the software automatically (recommended),**" and click [**Next**].
4. If the "**Hardware Installation**" dialog box appears, click [**Continue**] to continue the installation.  
  
\* *If you are unable to continue, click [**OK**] to halt the installation, and refer to "**Driver signing option settings.**"*
5. When "**Completing the Found New Hardware Wizard**" appears, click [**Finish**].

## **Playback Appears to Occur, but the Sound is Not Heard in Your Headphones**

### **Are the volume controls on the UA-25EX set appropriately?**

Adjust the output volume and direct monitor volume controls on the UA-25EX's front panel.

### **Is your audio playback system (e.g., stereo) connected correctly?**

### **Could the UA-25EX's digital input switch be on (digital input mode)?**

If the UA-25EX is in digital input mode (p. 10), the audio signal being received at the digital input jack will be output. The audio signal from your computer will not be output.

### **Could the UA-25EX's sample rate select switch be "96R"?**

If you want to playback at 96 kHz, set the switch to "96P".

### **Are the faders of the Windows volume control raised?**

### **Are the main volume levels of the Macintosh raised?**

### **Is the audio output destination set appropriately in your playback software?**

### **Could your computer have entered standby (suspend) or sleep mode?**

## **Sound From the Device Connected to the Input Jacks is Not Heard Through the Headphones, or is Not Loud Enough**

### **Are the input sensitivity knobs and the direct monitor volume knob set appropriately?**

Turn the knobs toward the right to adjust the volume.

### **Is the output volume set appropriately?**

Turn the knob toward the right to adjust the volume.

## Can't Record via a Digital Connection

**If you're capturing audio data from a CD or MD into your computer, is the digital input switch turned on?**

Turn the digital input switch on so that the UA-25EX will be in digital input mode (p. 10).

**Does the sample rate setting of your software match the sample rate of the digital device that's connected to the digital input connector?**

Set them to the same sample rate.

If you've switched the UA-25EX's sample rate setting, you must disconnect the USB cable from the UA-25EX, and then reconnect it to get the new setting to take effect.

**Data containing the SCMS copy-prohibit flag cannot be recorded digitally.**

The UA-25EX complies with SCMS, and if data containing the SCMS copy-prohibit flag is input, for example from an MD that was digitally copied from a commercial music CD, the UA-25EX will not allow this data to be recorded on the computer.

The audio will be output from the master output jacks and the headphone jack.

## Can't Play or Record 24-bit Audio Data

**Does the software you're using support 24-bit audio data?**

## Noise or Distortion is Heard in Sound that's Not Played by Your Computer

**Could two or more audio devices such as the UA-25EX or a sound module be connected to the computer?**

Turn the ground lift switch to LIFT position, and see whether this eliminates the noise.

If a USB-compatible MIDI sound module and the UA-25EX are connected via USB to the same computer, and the output of the MIDI sound module is connected to the combo input jacks of the UA-25EX, noise from the computer may pass through the MIDI sound module and be heard from the UA-25EX.

If turning LIFT the ground lift switch does not eliminate the noise, try using a self-powered hub to connect the MIDI sound module and the UA-25EX in parallel, or connect the MIDI sound module in series or via a MIDI interface.

**Could a microphone or guitar be left connected?**

If a microphone or guitar is connected to the UA-25EX, unplug the microphone or guitar and turn the input sensitivity knob all the way to the left so that the input level is lowered.

**Have you grounded the computer?**

You may be able to solve the problem by grounding the computer's chassis, or the ground pin of the computer's AC power supply plug. Also check whether there might be a device nearby that generates a strong magnetic field, such as a television or microwave oven.

---

## Noise is Heard with the Guitar Sound

### Does lowering your guitar's volume decrease the noise?

If the noise decreases when you lower the volume of your guitar, it may be that your guitar's pickups are being affected by noise from your computer or display.

Move your guitar as far away from your computer as possible.

## Guitar Sound is Not Loud Enough

### Are you using the correct connector?

Connect your guitar to the INPUT 2 combo input jack.

### Is the input impedance select switch set correctly?

Set the input impedance select switch to the Hi-Z position.

### Could you be using a connection cable that contains a resistor?

Use a connection cable that does not contain a resistor.

## Microphone is Not Loud Enough

Connect your microphone to the XLR type jacks of the combo input jack.

### Is the input level set appropriately?

Turn the input sensitivity knob toward the right to adjust the input volume.

### Could you be using a connection cable that contains a resistor?

Use a connection cable that does not contain a resistor.

## Sound of the Device Connected to the Input Jacks is Distorted

### Could the peak/limiter indicator be lighting?

If you are inputting audio via the combo input jacks, use the UA-25EX's input sensitivity knobs to decrease the input level.

# Specifications

## UA-25EX:USB Audio Interface

|  |   |
|--|---|
| <b>Number of Audio Record/<br/>Playback Channels</b> | Record: 1 pair of stereo<br>Playback: 1 pair of stereo<br>DIGITAL IN SWITCH = OFF: Full duplex (except for 96 kHz setting)<br>DIGITAL IN SWITCH = ON: Recording only      |
| <b>Signal Processing</b>                             | PC interface: 24 bits (ADVANCED DRIVER switch=ON)<br>16 bits (ADVANCED DRIVER switch=OFF)<br>AD/DA Conversion: 24 bits (linear)   |
| <b>Sampling Frequency</b>                            | Digital output: 44.1/48/96 kHz<br>Digital input: 44.1/48/96 kHz<br>AD/DA Conversion: 44.1/48/96 kHz<br>* <i>ADVANCED DRIVER switch=OFF: 44.1 kHz only</i>                 |
| <b>Frequency Response</b>                            | 96.0 kHz: 20 Hz to 40 kHz (+0 dB/-2 dB)<br>48.0 kHz: 20 Hz to 22 kHz (+0 dB/-1 dB)<br>44.1 kHz: 20 Hz to 20 kHz (+0 dB/-1 dB)   |
| <b>Nominal Input Level</b>                           | Input Jack L, R (XLR type): -60 to -20 dBu<br>Input Jack L, R (1/4 inch TRS phone type): -36 to +4 dBu<br>* <i>Maximum input level: Nominal Input Level + 12 dB</i>       |
| <b>Nominal Output Level</b>                          | Output Jack L, R (1/4 inch TRS phone type): +4 dBu (balanced)<br>Output Jack L, R (RCA phono type): -2 dBu<br>* <i>Maximum output level: Nominal Output Level + 12 dB</i> |
| <b>Residual Noise Level</b>                          | Output Jack: -96 dBu (S/N ratio: 105 dB typ.)<br>* <i>Input terminated with 1 k ohms, OUTPUT VOLUME: max., INPUT MONITOR: min., IHF-A, typ.</i>                           |
| <b>Microphone Pre-Amp</b>                            | Phantom power 48 V / 8 mA max.<br>Analog Limiter or compressor  |
| <b>Interface</b>                                     | USB<br>Digital input/output (Optical type)<br>Conforms to IEC60958 consumer format.<br>MIDI input/output  |

|                     |  |
|---------------------|--|
| <b>Connectors</b>   | <p><b>&lt;Front Panel&gt;</b><br/> Input Jack L, R<br/> XLR type (balanced, phantom power +48 V)<br/> 1/4 inch TRS phone type (balanced)<br/> * Input Jack R: high impedance is supported.<br/> Headphones Jack<br/> Stereo 1/4 inch phone type</p> <p><b>&lt;Rear Panel&gt;</b><br/> Digital Input Connector (Optical type)<br/> Digital Output Connector (Optical type)<br/> Output Jack L, R<br/> 1/4 inch TRS phone type (balanced)<br/> RCA phono type<br/> MIDI Connectors (IN, OUT)<br/> USB Connector (B type)</p> |
| <b>Power Supply</b> | USB Bus Power  |
| <b>Current Draw</b> | 480 mA   |
| <b>Dimensions</b>   | 164 (W) x 133 (D) x 46 (H) mm<br>6-1/2 (W) x 5-1/4 (D) x 1-13/16 (H) inches  |
| <b>Weight</b>       | 565 g/ 1 lb. 4 oz.   |
| <b>Accessories</b>  | Owner's Manual, USB cable, UA-25EX Driver CD-ROM,<br>Cakewalk Production Plus Pack CD-ROM  |

\* 0 dBu = 0.775 Vrms

\* In the interest of product improvement, the specifications, appearance of this unit and/or contents of this package are subject to change without prior notice.

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For EU Countries



This product complies with the requirements of EMC Directive 2004/108/EC.

For the USA

## FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.  
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

### NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

### AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For the USA

## DECLARATION OF CONFORMITY Compliance Information Statement

Model Name : UA-25EX  
Type of Equipment : USB Audio Interface  
Responsible Party : Roland Corporation U.S.  
Address : 5100 S.Eastern Avenue, Los Angeles, CA 90040-2938  
Telephone : (323) 890-3700

**For EU Countries**



**UK** This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.

**DE** Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit dem Hausmüll entsorgt werden.

**FR** Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.

**IT** Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici. Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.

**ES** Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como está regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.

**PT** Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.

**NL** Dit symbool geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.

**DK** Dette symbol angiver, at i EU-lande skal dette produkt opsamlles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.

**NO** Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, iht. til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

**SE** Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.

**FI** Tämä merkintä ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteistä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.

**HU** Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályoszerint kell gyűjtieni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladék közé dobni.

**PL** Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w krajach UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.

**CZ** Tento symbol udává, že v zemích EU musí být tento výrobek sbírán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhadzovat spolu s domácím odpadem.

**SK** Tento symbol vyjadruje, že v krajinách EÚ sa musí zber tohto produktu vykonávať oddelene od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhadzovať spolu s domovým odpadom.

**EE** See sümbol näitab, et EL-i maades tuleb see toode olemprügist eraldi koguda, nii nagu on igas piirkonnas määratletud. Selle sümboliga märgitud tooteid ei tohi ära visata koos olmeprügiga.

**LT** Šis simbolis rodo, kad ES šalyse šis produktas turi būti surenkamas atskirai nuo buitinių atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinoti produktai neturi būti išmetami kartu su buitiniems atliekomis.

**LV** Šis simbols norāda, ka ES valstīs šo produktu jāievie atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produkts ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.

**SI** Ta simbol označuje, da je treba proizvod v državah EU zbirati ločeno od gospodinskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda s tem znakom ni dovoljeno odlagati skupaj z gospodinskimi odpadki.

**GR** Το σύμβολο αυτό υποδηλώνει ότι στις χώρες της Ε.Ε. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπόλοιπα οικιακά απορρίμματα, σύμφωνα με όσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

**For China**

# 有关产品中所含有害物质的说明

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。

本资料适用于 2007 年 3 月 1 日以后本公司所制造的产品。

## 环保使用期限



此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年限。所谓环保使用期限是指在自制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。

环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。

不当的使用，将会导致有害物质泄漏的危险。

## 产品中有毒有害物质或元素的名称及含量

| 部件名称           | 有毒有害物质或元素 |       |       |             |           |             |  |
|----------------|-----------|-------|-------|-------------|-----------|-------------|--|
|                | 铅(Pb)     | 汞(Hg) | 镉(Cd) | 六价铬(Cr(VI)) | 多溴联苯(PBB) | 多溴二苯醚(PBDE) |  |
| 外壳(壳体)         | ×         | ○     | ○     | ○           | ○         | ○           |  |
| 电子部件(印刷电路板等)   | ×         | ○     | ×     | ○           | ○         | ○           |  |
| 附件(电源线、交流适配器等) | ×         | ○     | ○     | ○           | ○         | ○           |  |

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

因根据现有的技术水平，还没有什么物质能够代替它。

# Information

When you need repair service, call your nearest EDIROL/Roland Service Center or authorized EDIROL/Roland distributor in your country as shown below.

## EDIROL

### EUROPE

**EDIROL (Europe) Ltd.**  
Studio 3.4 114 Tower Road  
London W4 5PY  
U.K.  
TEL: +44 (0)20 8747 5949  
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