Cubase LE Startup Guide

Windows　This Cubase LE Startup Guide explains how to install Cubase LE on a computer, make connections and other settings for the R24.

To connect the R24 to a computer running Windows and to enable audio input/output, proceed as follows.
The installation description uses Windows 7 as an example.

1 **Download and install Cubase LE from the Steinberg Web page.**

NOTE

Cubase LE will not install on Windows XP.

Please visit the following URL.

www.steinberg.net/getcubasele

During the download process you will be asked to enter the download access code.

After extracting the downloaded file, Cubase LE folder is shown.
Double-click "Start Center" to perform the installation.

Start_Center
Adobe Projector
Adobe Systems, Inc.

A language selection screen will appear. Select your language, and then follow the on-screen prompts.

NOTE

Enter the Activation Code in the eLicenser Control Center to permanently activate Cubase LE.

2 **"PDF Manuals and Drivers" CD-ROM supplied with R24 Drivers>Windows>32bit or >64bit "Setup.exe"**

or

Download the latest "ZOOM R16/R24 Audio Driver" from ZOOM homepage (http://zoom.co.jp) and install it on a computer.
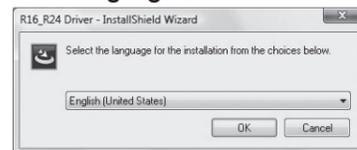
ZOOM R16/R24 Audio Driver software is required to enable use of Cubase LE for audio input and output with a computer. Refer to the "R16_R24 ASIO Driver Installation Guide_Windows.pdf" included in the download package for instructions on how to install the driver correctly.
32bit folder:Windows® XP SP2 later(32bit) / Windows® Vista SP1 later(32bit) /Windows® 7 later(32bit)
64bit folder:Windows® Vista SP1 later(64bit) /Windows® 7 later (64bit)
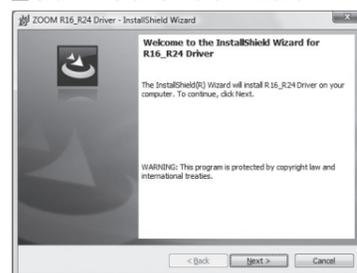
[How to install the driver]

Double-click Setup.exe file to activate the installer.
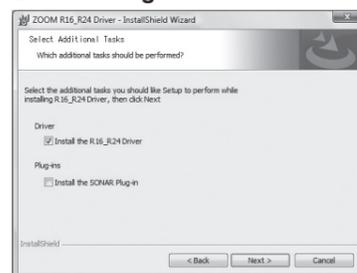

■Set language selection

Choose language and click [OK].
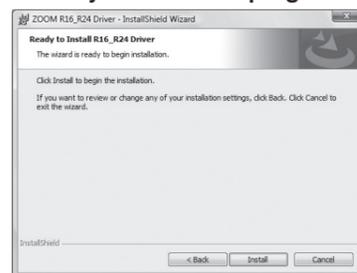
■Start InstallShield Wizard

Click [Next] to start installation.

■Driver-Plug In selection screen

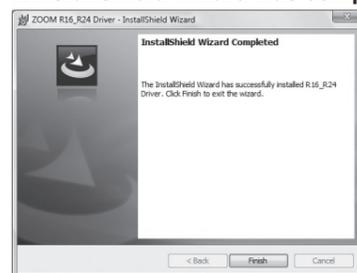If you use SONER, select Installation Plug In for Control Surface.

■Ready to install the program

Click [Install] to start installation.

When a warning message "Windows security" appears, click [Install].

■InstallShield Wizard was completed

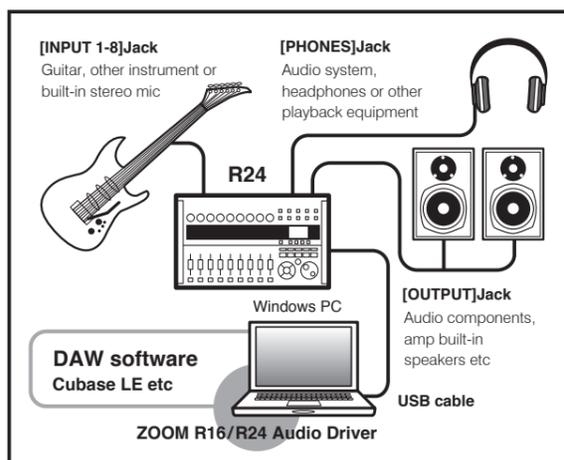Click [Complete] to finish installation.

NOTE

We recommend you upgrade the system software to the latest version on the R24. An R24 operated on an old system may not be recognized correctly. The latest version can also be downloaded from our homepage.

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3 **Set and connect the R24 to the computer using a USB cable.**

How to set and connect the R24

1 USB Press.

2 Select >AUDIO I/F　　Menu moves ▲▼　ENTER Press.

3 Select >EXECUTE　　Menu moves ▲▼　ENTER Press.

4 Connect USB cable to the R24

USB indicator [DEVICE] flashes

5 Connect USB cable to computer

Icon flashes when the connection is complete Connection setting completed

[INPUT 1-8]Jack
Guitar, other instrument or built-in stereo mic

[PHONES]Jack
Audio system, headphones or other playback equipment

R24

Windows PC

[OUTPUT]Jack
Audio components, amp built-in speakers etc

DAW software
Cubase LE etc

USB cable

ZOOM R16/R24 Audio Driver

NOTE

Use a high-quality USB cable and keep the connection as short as possible. If USB bus power is supplied to the R24 via a USB cable which is more than 3 meters in length, the low voltage warning indication may appear.

•Windows 7 / Vista
When you connect the R24 to the computer, the message "Installing device driver software" appears. When the software installation is completed, the message "The device driver software installed correctly" appears.

•Windows XP
When the connection is operated on the R24, it is recognized by the computer.
If this is the first time to connect the R24, wait until the message "Your devices are ready to use" appears.

■Start to "Found New Hardware Wizard"

Choose [No, not this time]of Windows Update and click[Next].

Choose [Install the software automatically] and click [Next]to start installation.

If a warning dialogue "Install hardware" appears, click [Continue].

■"Found New Hardware Wizard completed"
Click [Finish] to complete installation.

When connected operation on the R24 side is finished, it is recognized by the computer.
Connects the first time,Please wait until the message of "The device was able to be prepared" is displayed.

4 **Bring up the "Sound" window from the Control Panel and make the input device setting for the computer.**

To bring up the "Sound" window, select "Control Panel" from the Start menu and click "Hardware and Sound", then click "Sound".

In the "Sound" window, verify that "ZOOM R16_R24 Audio Interface" is listed under the Play and Record devices and that the device is checked. (To switch between Play and Record, click the tabs at the top of the window.)
If the device is not checked, right-click on the icon for the device and click "Set as Default Device" so that a check mark appears.

▷ **Continued overleaf**

Windows column

5 **Start Cubase LE. Then access the "Devices" menu, select "Device Setup…" and click "VST Audio System"**

To start Cubase LE, double-click the Cubase LE shortcut icon which was created on the desktop.
After startup, select "ZOOM R16_R24 ASIO Driver" as the ASIO driver in the right section of the Device Setup window. When you change the ASIO driver selection, a confirmation message appears. Click the "Switch" button.

ASIO Driver

The device indication in the left section of the window now shows "ZOOM R16_R24 ASIO Driver" as the ASIO driver.
Click on this indication to select it, and then click the "Control Panel" button in the right section of the Device Setup window.

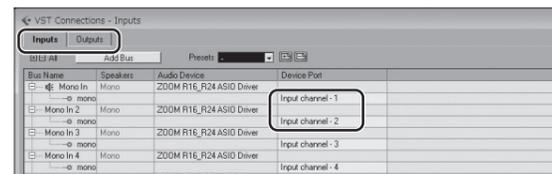Clicking here …　　This button is clicked.

The window which appears lets you set the buffer size for the ASIO driver. The buffer size should be set to a value which is as low as possible without causing sound dropouts during recording and playback.
The sampling frequency can be changed in Cubase LE in Project Settings.

When the setting is complete, click the OK buttons in the respective windows to return to the startup condition of Cubase LE.

6 **From the "Devices" menu of Cubase LE, select "VST Connections" and set INPUT(Input channel 1 - Input channel 8) as the input port to be used and Output channel 1, Output channel 2 as Output port on the displayed window.**

Use the tabs at top left to switch between input and output, and verify that "Input channel 1 - Input channel 8 / Output channel 1, Output channel 2" are selected as device ports.
If another device is selected, click the device port field and change the selection.

Mac OS X column

To connect the R24 to a computer running MAC OS X and to enable audio input/output, proceed as follows.
"The installation description uses Mac OS X v10.8 as an example."

1 **Insert the supplied Cubase LE installation DVD-ROM into the DVD drive of Macintosh. And start installation.**

> **NOTE**
> Cubase LE will not install on MAC OS 10.5 or earlier

Please visit the following URL.

www.steinberg.net/getcubasele

During the download process you will be asked to enter the download access code.

After extracting the downloaded file, Cubase LE folder is shown. Double-click "Start Center" to perform the installation.

Start Center

A language selection screen will appear. Select your language, and then follow the on-screen prompts.

> **NOTE**
> Enter the Activation Code in the eLicenser Control Center to permanently activate Cubase LE.

2 **"PDF Manuals and Drivers" CD-ROM supplied with R24 Drivers/Mac "ZOOM R16 / R24 Driver"**

or

Download the latest "ZOOM R16 / R24 Driver" from ZOOM homepage (http://zoom.co.jp) and install it on a computer.

ZOOM R16 / R24 Driver software is required to enable use of Cubase LE for audio input and output with a computer.
Double-click installer (ZOOM R16_R24 Driver.pkg) icon. Start install it according to the instruction.

ZOOM R16_R24Driver.pkg

3 **Set and connect the R24 to Macintosh using a USB cable.**

How to set and connect the R24

1 USB　　Press.

2 Select ▸AUDIO I/F
USB
AUDIO I/F ▸
READER ▸
STORAGE ▸
Menu moves ▲▼　ENTER Press.

3 Select ▸EXECUTE
AUDIO INTERFACE
SETTING　Continue
EXECUTE ▸
Menu moves ▲▼　ENTER Press.

4 **Connect USB cable to the R24**
REV
AUDIO INTERFACE
Sample Rate
44.1kHz
REC [SOLO] MUTE] EXIT]
USB indicator [DEVICE] flashes
HOST [USB] DEVICE

5 **Connect USB cable to computer**
REV
AUDIO INTERF
Sample Rat
Icon flashes when the connection is complete
Connection setting completed

[INPUT Jack]
Guitar, other instrument or built-in stereo mic

[PHONES Jack]
Audio system, headphones or other playback equipment

[OUTPUT Jack]
Audio components, amp built-in speakers etc

R24

USB cable

Macintosh

DAW software
Cubase LE etc

ZOOM R16 / R24 Driver

When the connection is operated on the R24, it is recognized by the computer.

> **NOTE**
> Use a high-quality USB cable and keep the connection as short as possible. If USB bus power is supplied to the R24 via a USB cable which is more than 3 meters in length, the low voltage warning indication may appear.

4 **Open the "Applications" folder and then the "Utilities" folder, and double-click "Audio MIDI Setup".**

The Audio MIDI Setup screen appears. Check that "ZOOM R16_R24 Driver" is selected as input / output device.

Built-in Microphone 2 in / 0 out
Built-in Output 0 in / 2 out
TapStreamAudio 1 in / 1 out
ZOOM R16_R24 Driver 8 in / 2 out
ZOOM R16_R24 Driver
Clock source: Default
Input　Output
Source: Default
Format: 44100.0 Hz ▾ 8ch-24bit Integer

If another device is selected, use the gear icon to change the selection to "ZOOM R16_R24 Driver".
When the setting is done, close Audio MIDI Setup.

5 **Start Cubase LE. Then access the "Devices" menu, select "Device Setup…" and click "VST Audio System".**

To start Cubase LE , double-click the Cubase LE icon in the "Applications" folder.
After startup, be sure to verify that "ZOOM R16_R24 Driver" is selected in the right section of the Device Setup window.

Device Setup
VST Audio System
ZOOM R16_R24 Driver ▾ ASIO Driver
Devices
MIDI
MIDI Port Setup
Remote Devices
Mackie Control
Transport
Release Driver when Application is in Background
Input Latency:　4.853 ms
Output Latency:　9.637 ms

If another device is selected, use the pull-down menu to change the selection to "ZOOM R16_R24 Driver".
When the setting is done, click OK button and close the window.

6 **From the "Devices" menu of Cubase LE, select "VST Connections" and select the device containing the string "ZOOM R16_R24 Driver 1 ~ 8" as input port and output port.**

VST Connections - Inputs
All　　Add Bus　　Presets
Inputs　Outputs
Bus Name　Speakers　Audio Device　Device Port
Stereo In　Stereo　ZOOM R16_R24 Driver
　left
　right
ZOOM R16_R24 Driver 1
ZOOM R16_R24 Driver 2

Use the tabs at top center to switch between input and output, and verify that "ZOOM R16_R24 Driver 1 ~ 8" is selected as device port.
If another device is selected, click the device port field and change the selection.

For optimum enjoyment

While using Cubase LE, other applications may slow down drastically or a message such as "Cannot synchronize with USB audio interface" may appear. If this happens frequently, consider taking the following steps to optimize the operation conditions for Cubase LE.
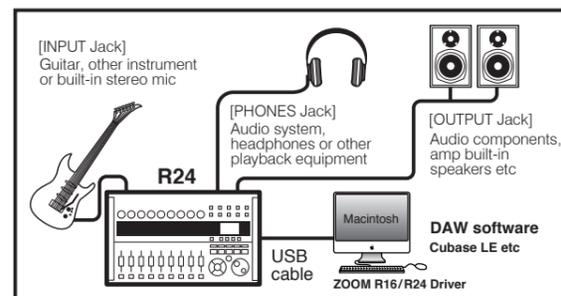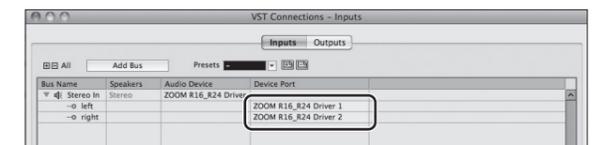
1) Shut down other applications besides Cubase LE.
In particular, check for resident software and other utilities.

2) Reduce plug-ins (effects, instruments) used by Cubase LE.
When there is a high number of plug-ins, the computer's processing power may not be able to keep up. Reducing the number of tracks for simultaneous playback can also be helpful.

3) Power the R24 from an AC adapter.
When a device designed to use USB power is powered via the USB port, the current supply may sometimes fluctuate, leading to problems. See if using an AC adapter improves operation.

Please set latency from the device menu when the sound cutting occurs. Refer: Install Guide-step5 about details.

If applications still run very slowly or the computer itself does not function properly, disconnect the R24 from the computer and shut down Cubase LE. Then reconnect the USB cable and start Cubase LE again.