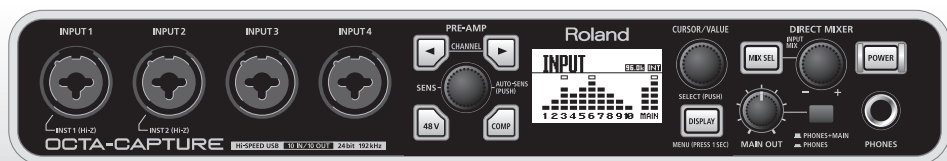


Roland



OCTA-CAPTURE

Hi-SPEED USB Audio Capture

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.

USING THE UNIT SAFELY

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

About ⚠️ WARNING and ⚠️ CAUTION Notices

⚠️ WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠️ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * 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 carried out. The specific thing that must be done is 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 modify in any way) the unit or its AC adaptor.
- 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 Roland Service Center, or an authorized 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.
- If you want to install this unit in a rack, please use the included rack mount adaptors.
- 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.

⚠️ WARNING

- Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.
- Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.
- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!
- 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 place containers containing liquid on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.

WARNING

- Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:



- The AC adaptor, the power-supply cord, or the plug has been damaged; or
- 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 force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/ampères) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.



- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.



- 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

- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.



- Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit.



CAUTION

- At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.



- 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.



- Never handle the AC adaptor or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.



- Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.



- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet (p. 30).



- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.



- Should you remove screws, keep them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.



- 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 device's phantom power: 48 V DC, 6 mA Max)



IMPORTANT NOTES

Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- 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.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- 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 benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Repairs and Data

- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of losing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory.
- Unfortunately, it may be impossible to restore the contents of data that was stored in the unit's memory once it has been lost. Roland Corporation assumes no liability concerning such loss of data.
- 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.
- 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.

Handling CDs / DVDs

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

- Microsoft, Windows and Windows Vista are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- 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, Logic and Mac OS are trademarks of Apple Inc., registered in U.S. and other countries.
- All product names mentioned in this document are trademarks or registered trademarks of their respective owners.
- MPEG Layer-3 audio compression technology is licensed from Fraunhofer IIS Corporation and THOMSON Multimedia Corporation.
- MMP (Moore Microprocessor Portfolio) refers to a patent portfolio concerned with microprocessor architecture, which was developed by Technology Properties Limited (TPL). Roland has licensed this technology from the TPL Group.

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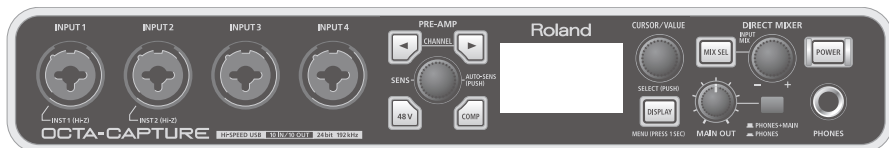
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Contents of the Package

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

■ OCTA-CAPTURE



■ AC adaptor

This is the dedicated AC adaptor for the OCTA-CAPTURE. Use only the supplied AC adaptor.

- * If, due to damage, you need to acquire a dedicated AC adaptor, please contact the nearest Roland service center, as listed on the “Information” page (p. 97), or an authorized Roland dealer.

■ Owner’s manual

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

■ OCTA-CAPTURE Driver CD-ROM

This contains the OCTA-CAPTURE drivers and demo songs.

- * **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.

■ Cakewalk Production Plus Pack DVD-ROM (Mac/Windows)

This package includes:

- Cakewalk SONAR 8.5 LE (PC)
- Cakewalk Sound Center (Mac/PC)
- Rapture LE (Mac/PC)
- Studio Instruments Drums (Mac/PC)

For details on user registration and obtaining a registration code, refer to the installation guide on the CD-ROM or to the Help function of the software.

- * **Before you open the included CD-ROM/DVD-ROM, you must read the “license agreement.” Opening the CD-ROM/DVD-ROM will be taken to mean your acceptance of the license agreement.**
- * **Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM/DVD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD-ROM/DVD-ROM cleaner.**
- * **Use of the song data 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.**

■ USB cable

Use this cable to connect the OCTA-CAPTURE 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 separate sheet titled "Information."**

■ License agreement

This is a license agreement allowing you to use certain software that is copyrighted by Roland Corporation.

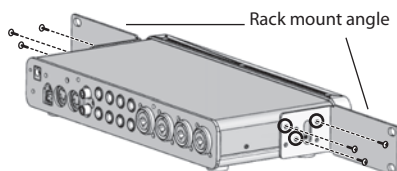
You must read this before opening the envelope containing the included CD-ROM.

■ Rack mount angle

If you want to install the OCTA-CAPTURE in an 19-inch rack, please use the included rack mount adaptors.

- 1. Remove the silver-colored screws from the left and right sides of the OCTA-CAPTURE (three screws on each side).**
- 2. Fasten the rack mount adaptors to the OCTA-CAPTURE using the screws you removed in step 1.**

Be sure to attach the rack mount adaptors using the screws you removed.
- 3. Remove the four rubber feet from the bottom of the OCTA-CAPTURE.**



You'll need to provide the following items

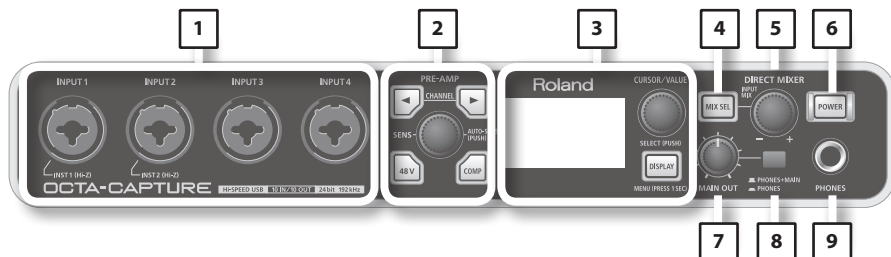
The external amplifier, speakers, or headphones that you'll need in order to listen to sounds that are output via the OCTA-CAPTURE are not included. Nor is there included a microphone for connection to the OCTA-CAPTURE to input audio. You'll need to obtain these items separately.

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

Panel Descriptions

You must install the driver before you connect the OCTA-CAPTURE to your computer for the first time. Install the driver as described in "Driver Installation and Settings" (p. 14).

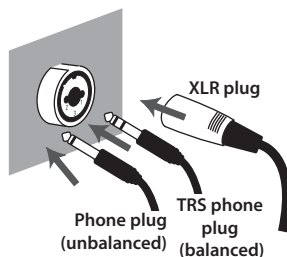
Front panel



1. Combo input jacks (INPUT 1–4)

These are analog audio signal input jacks with microphone preamps. Since they can accommodate either XLR type or phone type plugs, you can use the type of connector most suitable for your equipment. You may connect either balanced or unbalanced devices.

XLR type:	-56--6 dBu
Phone type:	-46+4 dBu



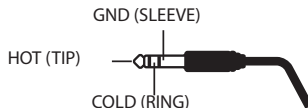
The phone-type input jacks of the INPUT 1 and 2 combo input jacks allow you to switch the input impedance as appropriate for the device that's connected. Choose the high-impedance setting (Hi-Z) if you're connecting a guitar, or choose the low-impedance setting (Lo-Z) if you're connecting any other device (p. 36).

* INPUT 3 and 4 are fixed at low-impedance (Lo-Z).

The XLR type connection can provide 48 V phantom power, allowing you to connect condenser microphones that require a phantom power supply. In this case, turn on phantom power switch on (p. 36).

- * This device is equipped with balanced (XLR/TRS) type input 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.

1: GND
2: HOT
3: COLD



2. Preamp control section (p. 33)

The OCTA-CAPTURE provides preamps for eight audio inputs (INPUT 1–8). You can adjust the parameters of these preamps.

3. Display (p. 54)/utility section (p. 59)

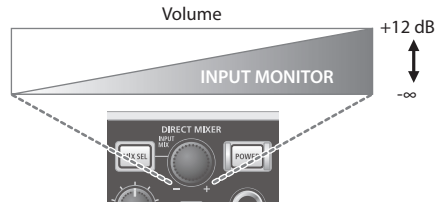
The LCD shows the status of the OCTA-CAPTURE's input jacks.

4. [MIX SEL] button

The OCTA-CAPTURE contains four independent mixers (input mixers A–D). Use this button to select the input mixer that's shown in the screen (p. 55).

5. [INPUT MIX] knob

This knob adjusts the monitor volume. As you turn the knob toward the left (-), the level of the sound being input from each input jack will decrease. As you turn the knob toward the right (+), the level of the sound from the input jacks will increase up to +12 dB (four times).



6. [POWER] switch

This turns the power on/off. When the power is on, the button will light. To turn the power on/off, hold down the [POWER] switch for at least one second.

7. [MAIN OUT] knob

This knob adjusts the volume of the output from the headphone jack and the main output jacks.

8. Monitor select switch

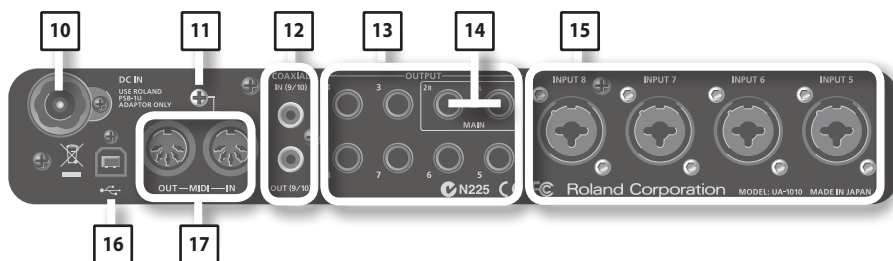
This selects whether the monitor output will be sent from both the headphone jack and the main output jacks (PHONES + MAIN), or only from the headphone jack (PHONES). When recording from a microphone, it's convenient to monitor only through headphones.

9. Headphones jack

This jack outputs a mix of the sound from the input jacks and the sound from the computer. Use the [INPUT MIX] knob to adjust the balance of the input sound.

Even if headphones are connected, sound will be output from the main output jacks on the rear panel.

Rear Panel



10. DC IN jack

Connect the DC plug of the included AC adaptor to this jack.

* **Do not use anything other than the included AC adaptor; doing so will cause malfunctions.**

11. Ground terminal

Depending on the circumstances of a particular setup, you may experience a discomforting sensation, or perceive that the surface feels gritty to the touch when you touch this device, microphones connected to it, or the metal portions of other objects, such as guitars. This is due to an infinitesimal electrical charge, which is absolutely harmless. However, if you are concerned about this, connect the ground terminal with an external ground. When the unit is grounded, a slight hum may occur, depending on the particulars of your installation. If you are unsure of the connection method, contact the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Unsuitable places for connection

- Water pipes (may result in shock or electrocution)
- Gas pipes (may result in fire or explosion)
- Telephone-line ground or lightning rod (may be dangerous in the event of lightning)

12. Digital input/output jacks

COAXIAL IN (9/10) jack

Use this when you want to digitally input a two-channel (stereo) signal.

Use this jack when two OCTA-CAPTURE units are connected (p. 63).

COAXIAL OUT (9/10) jack

Use this when you want to digitally send a two-channel (stereo) signal to a digital audio device.

Use this jack when two OCTA-CAPTURE units are connected (p. 63).

13. OUTPUT jacks 1–8 (nominal output 0 dBu)

These jacks output analog audio signals. They are balanced TRS phone jack outputs.

- * You can also connect phone plugs (unbalanced).

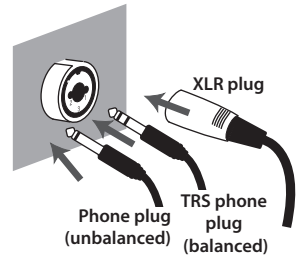
14. Main output jacks

These output jacks can be controlled by the [MAIN OUT] knob.

15. Combo input jacks (INPUT 5–8)

These are analog audio signal input jacks with microphone preamps. Since they can accommodate either XLR type or phone type plugs, you can use the type of connector most suitable for your equipment. You may connect either balanced or unbalanced devices.

XLR type:	INPUT 5-6	-56–-6 dBu
	INPUT 7-8	-50–+0 dBu
Phone type:	INPUT 5-8	-46–+4 dBu



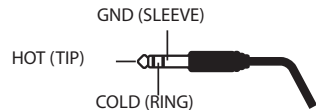
- * INPUT 5–8 are fixed at low-impedance (Lo-Z).

XLR input jacks 7 and 8 support high input levels of +16 dBu. You'll have plenty of headroom even when using microphones to record loud sources such as a bass drum.

Use the XLR jacks to connect microphones, and use the phone jacks to connect other devices. The XLR type connection can provide 48 V phantom power, allowing you to connect condenser microphones that require a phantom power supply. In this case, turn on phantom power switch on (p. 36).

- * This device is equipped with balanced (XLR/TRS) type input 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.

1: GND
2: HOT
3: COLD



16. USB connector

Connect this to a computer.

Before connecting the OCTA-CAPTURE for the first time, you must install the driver as described in "Driver Installation and Settings" (p. 14).

17. MIDI connectors

MIDI IN connector

This is a MIDI input connector. You can connect your MIDI keyboard or MIDI controller here.

MIDI OUT connector

This is a MIDI output connector. You can connect it to your MIDI sound module.

Driver Installation and Settings

A driver is software that transfers data between the OCTA-CAPTURE and the application software on your computer when the OCTA-CAPTURE is connected to your computer.

The procedure for installation and checking will depend on your system. Perform the following two steps to install and check the driver.

	Windows 7/ Windows Vista	Windows XP	Mac OS X
1. Install the driver	p. 15	p. 19	p. 23
2. Input/output device settings	p. 17	p. 21	p. 24
3. Verifying that you hear sound	p. 27	p. 27	p. 27

Windows 7/Windows Vista Users

Installing the Driver

Steps to be performed on the OCTA-CAPTURE keyboard itself are marked by a

Operation of the OCTA-CAPTURE symbol. Don't connect the OCTA-CAPTURE to your computer until you are told to do so.

* The example screen shots included here are taken from Windows 7.

1. With the OCTA-CAPTURE disconnected, start up Windows.

Disconnect all USB cables from your computer, with the exception of those for a USB keyboard and USB mouse (if used).

2. Close all currently running software.

3. Insert the included OCTA-CAPTURE CD-ROM into your DVD-ROM drive.

When the auto-play dialog box appears, click [Open folder to view files].

4. In the appropriate folder within the CD-ROM, double-click the [Setup] icon to start up the installer.

OS	Installer
Windows 7:	Open the folders [Driver] and then [Win7]
Windows Vista:	Open the folders [Driver] and then [Vista]
Windows 7 64-bit edition:	Open the folders [x64Driver] and then [Win7]
Windows Vista 64-bit edition:	Open the folders [x64Driver] and then [Vista]

If you get a message saying "The operating system you are using is not supported" or "The version of this file is not compatible with the version of Windows you're running," or if you don't know the version of your operating system, check your operating system as described below.

If "System type" indicates "64-bit Operating System," you have the 64-bit version.

Windows 7 users

Open "Control Panel," click "System and Security," and then click [System].

If the Control Panel shows the icon view, click [System] icon.

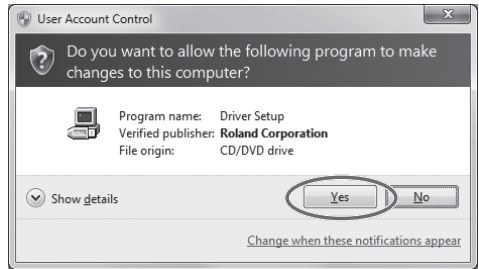
Windows Vista users

Open "Control Panel," click [System and Maintenance], and then click [System].

If the Control Panel shows the classic view, double-click the "System" icon.

5. A user account control confirmation screen will appear.

Click [Yes] if you're using Windows 7, or click [Continue] if you're using Windows Vista



6. The screen will indicate "OCTA-CAPTURE Driver will be installed on your computer." Click [Next].

If any other message appears, proceed as directed by the message.

7. To begin the installation, click [Next] once again.

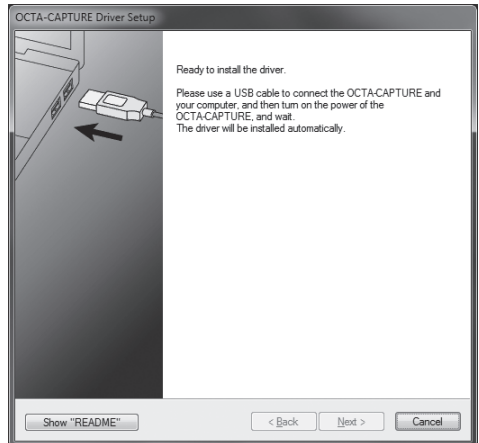
Installation will begin.

If a Windows security dialog box appears, click [Install].

8. Operation of the OCTA-CAPTURE

The screen indicates "Ready to install the driver." With power to the OCTA-CAPTURE switched off, use a USB cable to connect it to your computer.

If any other message appears, proceed as directed by the message.



9. Operation of the OCTA-CAPTURE Switch on the OCTA-CAPTURE's power (p. 31).

The driver will be installed automatically.

*** It can take several minutes for the driver installation to complete**

When the installation is completed, the "OCTA-CAPTURE Driver Setup" dialog box will indicate "Installation has been completed."

10. Click [Close] to close the "OCTA-CAPTURE Driver Setup" dialog box.

If the "System Settings Change" dialog box appears, click [Yes].

Windows will automatically restart.

Input/Output Device Settings

In order to use the OCTA-CAPTURE with your software, you'll need to select the OCTA-CAPTURE as the audio and MIDI input/output device. For details on how to do this, refer to the documentation for your software.

*** If you're unable to select the OCTA-CAPTURE as the audio input/output device in your software, it may be that a problem has occurred. Refer to "Problems with Settings" (p. 84) in the Troubleshooting section.**

Audio input/output device

For details about this device, refer to "Device Name (Windows)" (p. 81).

If you're using ASIO compatible software, select the OCTA-CAPTURE in the ASIO settings of your software.

MIDI input/output device

For details about this device, refer to "Device Name (Windows)" (p. 81).

*** The Windows Media Player included with Windows 7 or Windows Vista cannot use the OCTA-CAPTURE's MIDI input/output device.**

Settings when using the OCTA-CAPTURE in Windows Media Player

Here's how to specify the OCTA-CAPTURE as the system default playback device so that it can be used with Windows Media Player.

* In "Verifying That You Hear Sound" (p. 27), you'll use Windows Media Player to play back sample data. Be sure to make the settings described below.

1. Open the "Control Panel," click the [Hardware and Sound] and click [Sound].

If you're using the Icon view or the Classic view, double-click [Sound].

2. Open the [Playback] tab, select the OCTA-CAPTURE's [1-2], and click [Set Default].

3. Click [OK] to complete the setting.

If you select the "OCTA-CAPTURE" as the default playback device, audio alerts and other sounds from Windows will also be output from the OCTA-CAPTURE, and therefore will not be heard from your computer's speakers.

Caution when recording or playing back with your software

Check the following points before you use the OCTA-CAPTURE to record or play back.

- Connect the OCTA-CAPTURE to your computer before you start up the software you're using.
- Do not switch off the OCTA-CAPTURE's power or disconnect the USB cable from your computer while your software is running. Close the software you're using before you disconnect the OCTA-CAPTURE's USB cable from your computer.

This completes driver installation and settings.

Next, verify that you hear sound from the OCTA-CAPTURE. -> "Verifying That You Hear Sound" (p. 27).

Windows XP Users

Steps to be performed on the OCTA-CAPTURE keyboard itself are marked by a **Operation of the OCTA-CAPTURE** symbol. Don't connect the OCTA-CAPTURE to your computer until you are told to do so.

Installing the Driver

1. With the OCTA-CAPTURE disconnected, start up Windows.

Disconnect all USB cables from your computer, with the exception of those for a USB keyboard and USB mouse (if used).

2. Close all currently running software.

3. Insert the included OCTA-CAPTURE CD-ROM into your DVD-ROM drive.

4. On the CD-ROM, open the [Driver] folder and then the [XP] folder, and double-click the [Setup] icon.

If you get a message saying "The operating system you are using is not supported" or saying that the application is invalid, check the version of your operating system.

If the "Install Program As Other User" dialog box appears, click [Cancel] to terminate the installation, log on to Windows using an administrator account, and perform the installation once again.

5. The screen will indicate "OCTA-CAPTURE Driver will be installed on your computer." Click [Next].

If any other message appears, proceed as directed by the message.

6. To begin the installation, click [Next].

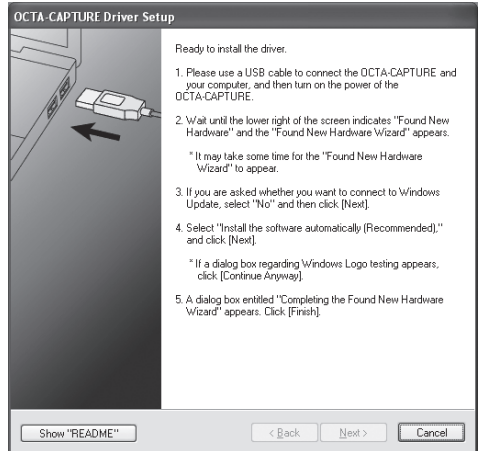
If the "Software Installation" dialog box appears, click [Continue Anyway] to continue the installation.

If you are unable to proceed, click [OK] in the dialog box to terminate the installation. Then change the setting as described in "Driver Signing Option Settings (Windows XP)" (p. 72), and perform the installation once again.

7. Operation of the OCTA-CAPTURE

The screen indicates "Ready to install the driver." With power to the OCTA-CAPTURE switched off, use a USB cable to connect it to your computer.

If any other message appears, proceed as directed by the message.



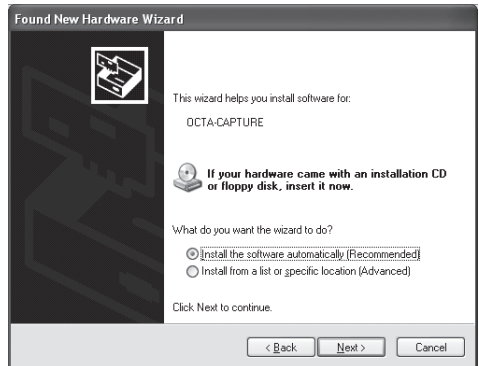
8. Operation of the OCTA-CAPTURE Switch on the OCTA-CAPTURE's power (p. 31).

The indication "Found New Hardware" will appear in the lower right corner of your screen.

* It may take between ten seconds to several minutes for the "Found New Hardware Wizard" to appear.

9. If you are asked whether you want to connect to Windows Update, choose [No, not this time] and click [Next].

10. Choose [Install the software automatically (Recommended)], and click [Next].



11. If the “Hardware Installation” dialog box appears, click [Continue Anyway] to continue the installation.

If you are unable to proceed, click [OK] in the dialog box to terminate the installation. Then change the setting as described in “Driver Signing Option Settings (Windows XP)” (p. 72), and perform the installation once again.



12. The screen will indicate “Completing the Found New Hardware Wizard.” Click [Finish].

When installation is complete, the “OCTA-CAPTURE Driver Setup” dialog box will indicate “Installation has been completed.”

13. Click [Close] to close the “OCTA-CAPTURE Driver Setup” dialog box.

If the “System Settings Change” dialog box appears, click [Yes] to restart Windows.

Input/Output Device Settings

In order to use the OCTA-CAPTURE with your software, you must select the OCTA-CAPTURE as the audio input/output device. For details on how to make this setting, refer to the documentation for the software you’re using.

- * If you’re unable to select the OCTA-CAPTURE as the audio input/output device in your software, it may be that a problem has occurred. Refer to “Problems with Settings” (p. 84) in the Troubleshooting section.

Audio input/output device

For details about this device, refer to “Device Name (Windows)” (p. 81).

If you’re using ASIO compatible software, select the OCTA-CAPTURE in the ASIO settings of your software.

MIDI input/output device

For details about this device, refer to “Device Name (Windows)” (p. 81).

Settings when using the OCTA-CAPTURE in Windows Media Player

Here's how to specify the OCTA-CAPTURE as the system default playback device so that it can be used with Windows Media Player.

* In "Verifying That You Hear Sound" (p. 27), you'll use Windows Media Player to play back sample data. Be sure to make the settings described below.

- 1. Open the "Control Panel," click [Sounds, Speech, and Audio Devices], and then click the [Sounds and Audio Devices].**
 - * If you're using the Classic view, double-click the [Sounds and Audio Devices icon].
- 2. Click the Audio tab to open it, and in the Sound playback area, select [1-2 (OCTA-CAPTURE)]. In the MIDI Music Playback area, select [MIDI (OCTA-CAPTURE)].**
- 3. Click [OK] to complete the setting.**
 - * If you select the OCTA-CAPTURE as the default playback device, audio alerts and other sounds from Windows will also be output from the OCTA-CAPTURE, and therefore will not be heard from your computer's speakers.

Caution when recording or playing back with your software

Check the following points before you use the OCTA-CAPTURE to record or play back.

- Connect the OCTA-CAPTURE to your computer before you start up the software you're using.
- Do not switch off the OCTA-CAPTURE's power or disconnect the USB cable from your computer while your software is running. Close the software you're using before you disconnect the OCTA-CAPTURE's USB cable from your computer.

This completes driver installation and settings.

Next, verify that you hear sound from the OCTA-CAPTURE. -> "Verifying That You Hear Sound" (p. 27)

Mac OS X Users

Steps to be performed on the OCTA-CAPTURE keyboard itself are marked by a **Operation of the OCTA-CAPTURE** symbol. Don't connect the OCTA-CAPTURE to your computer until you are told to do so.

* What you actually see on the screen may differ depending on your system.

Installing the Driver

* During the installation process, when you are presented with a dialog box asking you to supply your password, enter an administrator's password and click [OK].

1. With the OCTA-CAPTURE disconnected, start up your computer.

Disconnect all USB cables from your computer, with the exception of those for a USB keyboard and USB mouse (if used).

2. Close all currently running software.

3. Insert the included OCTA-CAPTURE CD-ROM into your DVD-ROM drive.

4. Double-click one of the following icons on the CD-ROM to start up the installer.

OS	Installer	Folder
Mac OS X 10.6 or later	[OctaCapture_USBDriver.pkg]	/Driver (10.6)
Mac OS X 10.5 or earlier	[OctaCaptureUSBDriver.pkg]	/Driver (10.4_10.5)

A message concerned with checking whether installation is possible may appear. If so, click [Continue].

If a message indicating that installation is not possible appears, check the operating system you're using, and perform step 4.

5. The screen will indicate "Welcome to the OCTA-CAPTURE Driver Installer." Click [Continue].

6. If the screen asks you to select a destination, click your start-up disk to select it, and then click [Continue].

7. When the display asks you to select the type of installation, click [Install] or [Upgrade].

8. In the next screen, click [Continue Installation].

9. When installation is completed, click [Restart] to restart your computer.

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

10. **Operation of the OCTA-CAPTURE** Once your computer has started up, check to make sure that the OCTA-CAPTURE's power is turned off, then use a USB cable to connect it to your computer.
11. **Operation of the OCTA-CAPTURE** Switch on the OCTA-CAPTURE's power (p. 31).

Audio Input/Output Device Settings

In order to use the OCTA-CAPTURE with your software, you'll need to select the OCTA-CAPTURE as the audio input/output device and MIDI input/output device. For details on how to do this, refer to the documentation for your software.

Audio input/output device

Audio output device	OCTA-CAPTURE
Audio input device	OCTA-CAPTURE

* If you're unable to select the OCTA-CAPTURE as the audio input/output device in your software, it may be that a problem has occurred. Refer to "Problems with Settings" (p. 84) in the Troubleshooting section.

Using the OCTA-CAPTURE with iTunes

Here's how to specify the OCTA-CAPTURE as the sound output device so that it can be used with iTunes.

In "Verifying That You Hear Sound" (p. 38), you'll use iTunes to play back sample data. Be sure to make the settings described below.

- * The sound will be output from the OCTA-CAPTURE's MAIN output jacks (OUTPUT 1/2) and headphone jacks.
- * The content displayed may differ depending on your system.

1. In [System Preferences], click [Sound].
2. Click the [Output] tab.
Select [OCTA-CAPTURE].
3. When you've finished making the setting, close [System Preferences].

MIDI Input/Output Device Settings

1. Double-click [Audio MIDI Setup] (/Applications/Utilities) to start it up.

2. Access the dialog box.

Mac OS X 10.6 or later

From the [Window] menu, choose [Show MIDI Window] to open "MIDI Studio."

Mac OS X 10.5 or earlier

Click the [MIDI Devices] tab.

3. Verify that [OCTA-CAPTURE] is shown in the "MIDI Studio" or "Audio MIDI Setup" dialog box.

If the OCTA-CAPTURE is not shown or is grayed-out, the OCTA-CAPTURE has not been recognized correctly.

Try clicking [Rescan MIDI]. You can also try disconnecting the USB cable connected to the OCTA-CAPTURE, then re-connecting it.

4. Click [Add Device] two times.

Two [new external device] items will appear.



5. Specify the device name for each [new external device].

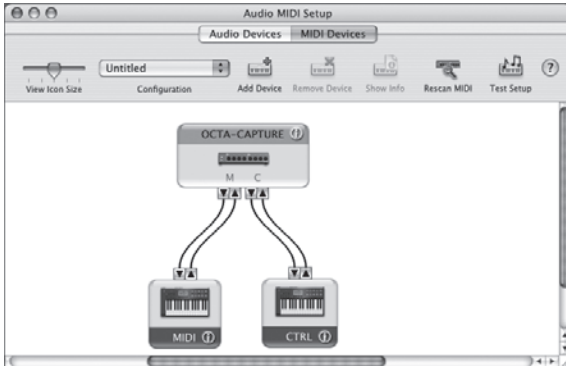
1. Select the [new external device] you added, and click [Show Info].
2. Enter the name in the [Device Name] field. For each [new external device], enter the following names.



New Device	Device Name
First [new external device]	MIDI
Second [new external device]	CTRL

* You don't have to enter anything for the "Manufacturer" and "Model" fields.

6. Use the mouse to drag between the ▼ and ▲ symbols (representing input and output, respectively) of [OCTA-CAPTURE] and each [new external device] so that they are connected as shown in the illustration below.



7. Check to make sure that MIDI transmission and reception takes place normally.
1. Click "Test Setup."
 - * If you have a sound module connected to the OCTA-CAPTURE's MIDI OUT connector, the following step will cause it to produce a fairly loud sound, so please reduce the volume of your sound module before continuing.
 2. If you have a sound module connected to the OCTA-CAPTURE's MIDI OUT connector, you need to click the ▼ for the OCTA-CAPTURE that appeared in step 3. If the sound module produces sound, the settings are correct.
 3. Click Test Setup once again to end the test.
8. From the [Audio MIDI Setup] menu, select [Quit Audio MIDI Setup] to finish making settings.

Caution when recording or playing back with your software

Check the following points before you use the OCTA-CAPTURE to record or play back.

- Connect the OCTA-CAPTURE to your Macintosh before you start up the software you're using.
- Do not switch off the OCTA-CAPTURE's power or disconnect the USB cable from your computer while your software is running. Close the software you're using before you disconnect the OCTA-CAPTURE's USB cable from your Macintosh.

This completes driver installation and settings.

Next, verify that you hear sound from the OCTA-CAPTURE. -> "Verifying That You Hear Sound" (p. 27)

Verifying That You Hear Sound

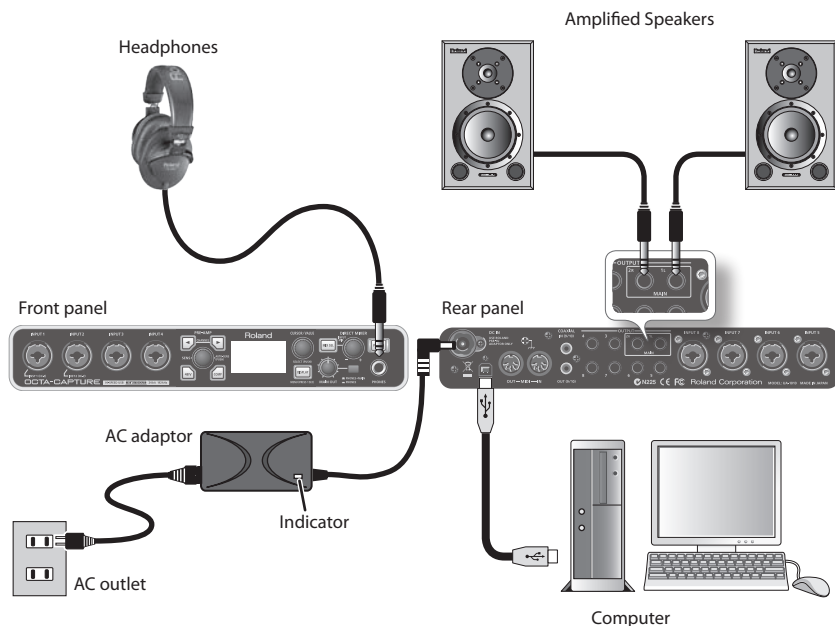
Now let's play back some sample data to verify that the connections and settings are correct.

- * To prevent malfunction and/or speaker damage, make sure to minimize the volume on all your equipment before you make connections.

Connecting Your Audio Playback System

As shown in the illustration, connect your headphones or monitor speakers so that you can hear the sound played back from the computer.

- * When you connect the OCTA-CAPTURE to your computer, sound will no longer be output from your computer's speakers or headphone jack.



Playing Back the Sample Data

Here we will play back sample data using the standard functionality provided by your operating system. The sample data “TTears.mp3” is in the included Driver CD-ROM.

* **Use of the song data 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.**

- 1. Insert the included Driver CD-ROM into the DVD-ROM drive of your computer.**
- 2. From the Sample folder of the CD-ROM, copy the file TTears(.mp3) to your desktop.**
- 3. Play back the sample data “TTears”(mp3).**

Double-click the TTears(.mp3) file you copied to your desktop.

If you’re using Windows, Windows Media Player will start. If you’re using Macintosh, iTunes will start. Click the play button, and the sample data will start playing.

* **Depending on your system, other playback software may start up. If so, play the sample data as described in the documentation for the software you’re using.**

- 4. Adjust the volume.**

Use the OCTA-CAPTURE’s [MAIN OUT] Knob to adjust the volume.

You should hear the sample data played from the headphones or speakers connected to the OCTA-CAPTURE.

Did you hear the sample data?

If you could hear the sample data, the OCTA-CAPTURE is correctly connected to your computer and the driver has been installed correctly.

If you could not hear the sample data, refer to “Problems with Playback or Recording” (p. 85). If there’s no sound, or if there’s something wrong with the playback, information provided in that section will help you solve the problem.

You’ve finished connecting the OCTA-CAPTURE and installing the driver.

Proceed to one of the following sections, depending on what you want to do next.

For details on settings and operation, refer to “Basic Operation” (p. 29).

If you’ll be using the OCTA-CAPTURE with your DAW software, make the appropriate settings for the audio port names listed on page “Device Name (Windows)” (p. 81).

“Recording a Microphone or Guitar” (p. 35)

“Simultaneously Recording Multiple Inputs (Multi Recording)” (p. 40)

“Live Set-up with Four Stage Monitors” (p. 62)

“Connecting Two OCTA-CAPTURE Units” (p. 63)

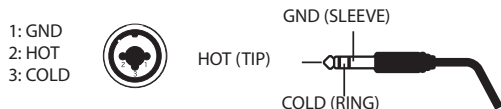
Basic Operation

This section explains the basic connections and data flow for the OCTA-CAPTURE.

Refer also to the block diagram, which is provided as a separate leaflet.

You'll need software in order to record on your computer

- If you're using Windows, use the included Cakewalk Production Plus Pack. For details on settings and operation, refer to the installation guide included on the Cakewalk Production Plus Pack DVD-ROM.
 - If you're using Macintosh, you'll need to have software such as Garage Band or Logic. For details on using the software, refer to the owner's manual for your software.
- * To prevent malfunction and/or speaker damage, make sure to minimize the volume on all your equipment before you make connections.
- * This device is equipped with balanced (XLR/TRS) type jacks. Wiring diagrams for these jacks are shown below. Make connections after first checking the wiring diagrams of other equipment you intend to connect.



- * When connection cables with resistors are used, the volume level of equipment connected to the inputs 1–8 may be low. If this happens, use connection cables that do not contain resistors.
- * 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.
- * When you connect the OCTA-CAPTURE to your computer, sound will no longer be output from your computer's speakers or headphone jack.
- Connect your headphones or audio playback system (external monitors) to the OCTA-CAPTURE.
 - If you want to hear sound from your computer's speakers, turn off the power of the OCTA-CAPTURE.

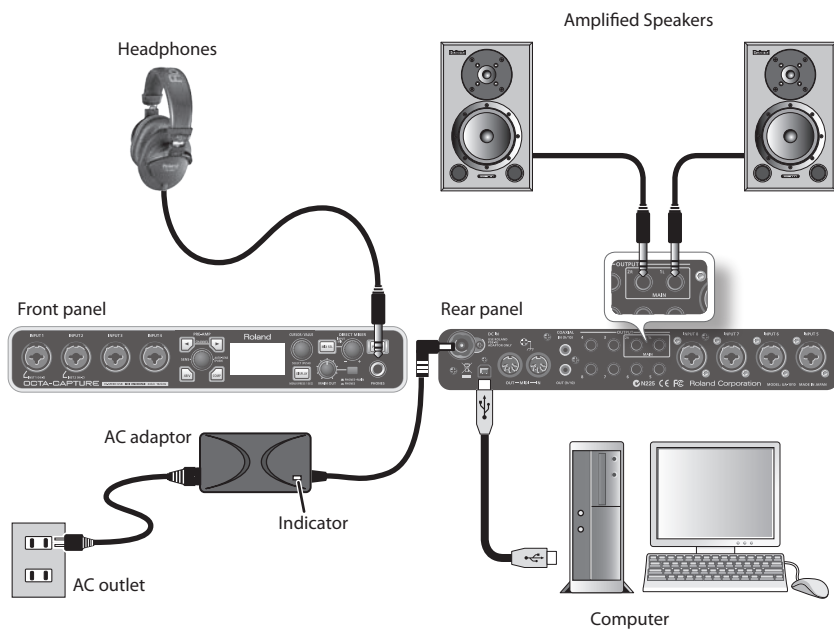
Basic Connections

Place the AC adaptor so the side with the indicator (see illustration) faces upwards and the side with textual information faces downwards.

- * **The indicator will light when you plug the AC adaptor into an AC outlet.**

Use a USB cable to connect the OCTA-CAPTURE to your computer. Both MIDI data and audio data are transferred over the USB cable.

When you connect headphones or amplified speakers as shown in the diagram, you'll be able to monitor the playback from your software, or the sound of instruments or audio devices connected to the OCTA-CAPTURE.



Turning the Power On/Off

Once the connections have been completed (p. 30), turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

Turning the Power On

1. Turn the [MAIN OUT] knob all the way to the left.



2. Switch on the power to any external equipment connected to the input jacks.
3. Press and hold the OCTA-CAPTURE's [POWER] button until it lights.



This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

4. Switch on the power to your amp or powered monitor speakers.
5. During playback, adjust the volume by turning the [MAIN OUT] knob toward the right.

Turning the Power Off

Before you turn off the power, make sure to do the following.

- Turn the [MAIN OUT] knob all the way to the left
- Minimize the volume of all connected equipment

1. Switch off the power to your amp or powered monitor speakers.
2. Press and hold the OCTA-CAPTURE's [POWER] button for one second, and then release it.

Settings will be saved when you turn off the power. When you turn on the power, the OCTA-CAPTURE will start up with the saved settings.

3. Switch off power to the connected equipment.

Auto Power Off

The OCTA-CAPTURE is able to turn itself off automatically.

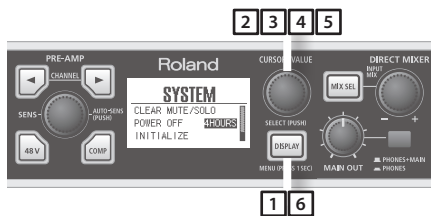
The power is turned off automatically after a predetermined amount of time has passed since you've operated anything on the panel.

- * **Auto Power Off will not function if the OCTA-CAPTURE is connected to your computer, or if a microphone/instrument is connected.**

The [POWER] switch will blink approximately 15 minutes before the power turns off.

When the OCTA-CAPTURE left the factory, all of this functions was set to "4HOURS."

To set a function to "OFF," follow the procedure below.



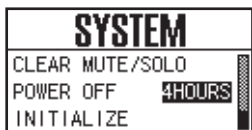
1. Press and hold the [DISPLAY] button for one second.

The System screen will appear.

2. Turn the [CURSOR/VALUE] knob to move the cursor to "POWER OFF."

3. Press the [CURSOR/VALUE] knob.

The parameter value will be highlighted.



4. Turn the [CURSOR/VALUE] knob to change the setting to "OFF."

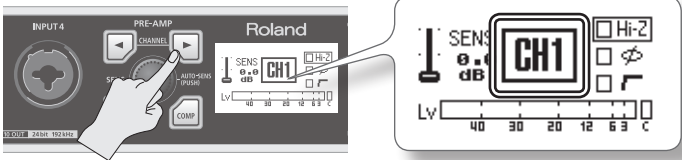
5. Press the [CURSOR/VALUE] knob to finalize the setting.

6. Press the [DISPLAY] button.

You will return to the previous screen.

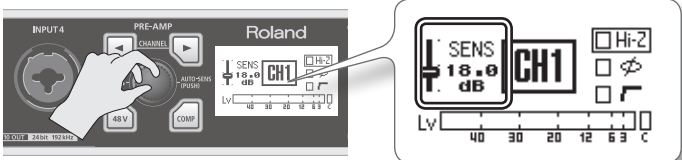
Controlling the Preamp

CHANNEL [] , [] Buttons



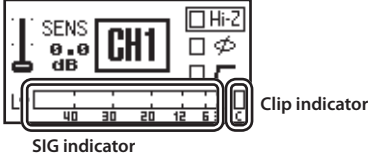
Select the channel (1–8) that you want to control.
The currently selected channel is shown in the LCD.

[SENS] knob



Set the preamp gain of the currently selected input channel.
When you turn the [SENS] knob, the amount of gain is shown in the LCD.

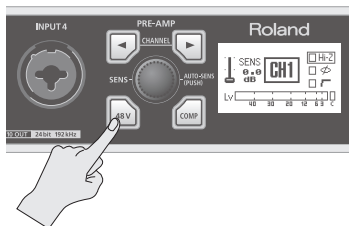
Signal Status Indicator



This shows the status of the signals being input to the OCTA-CAPTURE.

SIG indicator	This will light when a signal is input.
Clip indicator	This will light when the input signal reaches -2 dB. The CHANNEL [] [] buttons will also blink in tandem with the clip indicator.

PHANTOM [48V] Button



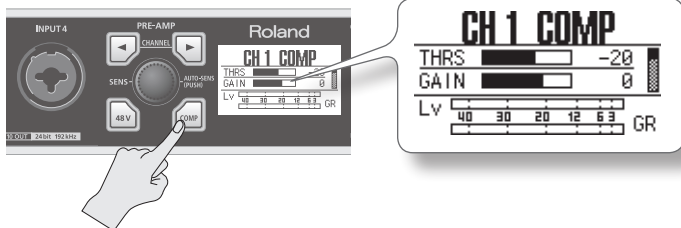
Turn this on when supplying phantom power to a device that requires it, such as a condenser microphone. Each input channel can supply phantom power.

When you press the PHANTOM [48V] button, the PHANTOM [48V] button will light, and phantom power will be turned on for the currently selected input channel.

To turn phantom power off, select the channel, and then press and hold the PHANTOM [48V] button once again. The PHANTOM [48V] button will go out, and phantom power will be turned off.

- * **You must turn off phantom power if the connected device does not require phantom power. Please carefully read the owner's manual of your dynamic microphone, audio playback device, or other device that does not require phantom power, for details on its specifications. The OCTA-CAPTURE's phantom power supply: +48 V DC, 6 mA**

COMP [COMP] Button



This turns the compressor of the currently selected input channel on/off.

When you press the COMP [COMP] button, the COMP [COMP] button will light, and the compressor of the currently selected input channel will be turned on. The compressor setting screen will appear. Press the [DISPLAY] button to return to the previous screen.

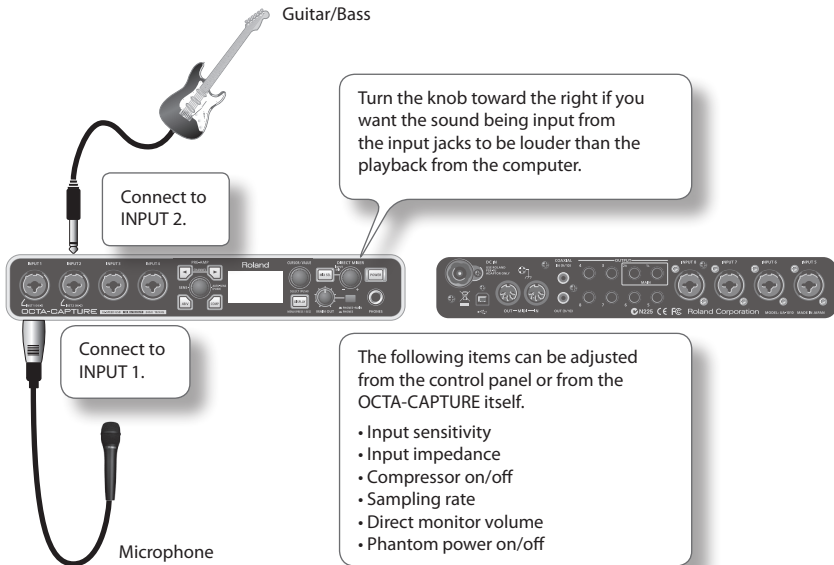
For details on the various parameter settings, refer to "Compressor parameter settings" (p. 58).

Recording a Microphone or Guitar

When you record on your DAW software by singing or playing your guitar along with audio data that's played back by your computer, only your vocal or guitar performance will be recorded on the computer.

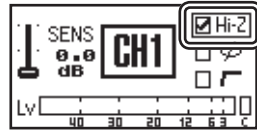
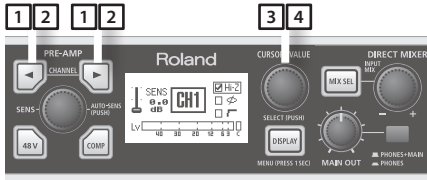
Connections

The sound from the microphone connected to INPUT 1 will be recorded into your computer on the left (L) channel. If you connect it to INPUT 2, the sound will be recorded on the right (R) channel.



- * You must turn the phantom power off unless you've connected a condenser microphone that requires phantom power. Supplying phantom power to a dynamic microphone or audio playback device will cause malfunctions: For details on the specifications of your microphone, refer to the owner's manual that came with your microphone.
- * If you're connecting a guitar directly, connect it to INPUT 1 or INPUT 2.
- * Don't connect anything to input jacks you're 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.

Input impedance setting (CH 1 and CH 2 only)



1. Press the CHANNEL [] or [] button.
The CHANNEL [] [] buttons will light, and the preamp setting screen will appear.
2. Use the CHANNEL [] [] buttons to select the channel that you want to adjust.
3. Turn the [CURSOR/VALUE] knob to move the cursor to “Hi-Z.”
4. Use the [CURSOR/VALUE] knob to change the setting.

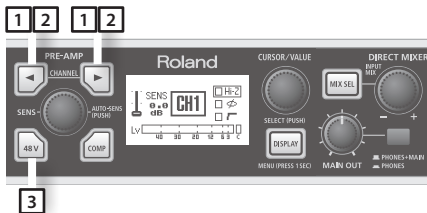
Connect the microphone to the INPUT 1	Lo-Z (clear the check box)
Connect the guitar to the INPUT 2	Hi-Z (select the check box)

The sound will be momentarily muted when you switch the input impedance.

Phantom power on/off

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

- * You must turn the phantom power switch off if you've connected a device that does not require phantom power. Supplying phantom power to such a device will cause malfunctions.



1. Press the CHANNEL [] or [] button.
The CHANNEL [] [] buttons will light, and the preamp setting screen will appear.
2. Use the CHANNEL [] [] buttons to select the channel that you want to adjust.
3. Press the [] button.
When phantom power is turned on, the [] button will light.

Input sensitivity setting

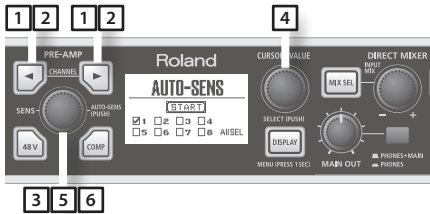
To record at the highest quality, raise the input sensitivity until it is as high as you can get it without causing the SIG indicator (p. 33) to reach the rightmost position.



1. Press the CHANNEL [] or [] button.
The CHANNEL [] [] buttons will light, and the preamp setting screen will appear.
2. Use the CHANNEL [] [] buttons to select the channel that you want to adjust.
3. Use the [SENS] knob to adjust the input level.
* In some cases you might hear crackling while you turn the [SENS] knob; this does not indicate a malfunction.

Auto Sens setting

The Auto Sens setting automatically sets the recording level to the best setting after analyzing the audio that was input during the specified interval of time.



1. Press the CHANNEL [] or [] button.
The CHANNEL [] [] buttons will light, and the preamp setting screen will appear.
2. Use the CHANNEL [] [] buttons to select the channel that you want to adjust.
3. Press the [AUTO-SENS] button.
4. Turn the [CURSOR/VALUE] knob to select the number of channels you want to adjust.

5. Press the [AUTO-SENS] button.

Auto Sens setting will begin. Play the loudest section of the song.

If you decide to cancel the operation, press the [DISPLAY] Button.

While the Auto Sens setting is taking place, the sensitivity will temporarily be set to the minimum.

6. Press the [AUTO-SENS] button once again.

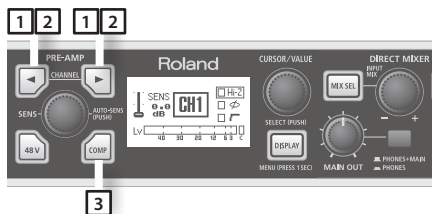
MEMO

The time used by the Auto Sens setting is specified in the Utility section (p. 59).

Auto Sens Setting Time	Explanation
Manual	The recording level will be set according to the maximum volume that was input between the moment you initiated Auto Sens and the moment you pressed the [AUTO-SENS] button once again. There is no limitation on the Auto Sens time.
30 sec, 1 min, 3 min, 5 min	If you press the [AUTO-SENS] button once again while the Auto Sens setting is in progress, the recording level will automatically be set according to the maximum volume that was received up to that point during Auto Sens.

Compressor on/off

If the compressor is turned on, the input level will automatically be adjusted when a sudden high-volume input is received at the combo input jack, preventing clipping distortion from occurring. The volume will also be boosted automatically when the input is low, making the volume of your recording more consistent.



1. Press the CHANNEL [] or [] button.

The CHANNEL [] [] buttons will light, and the preamp setting screen will appear.

2. Use the CHANNEL [] [] buttons to select the channel that you want to adjust.

3. Press the [COMP] button.

When the compressor is turned on, the [COMP] button will light.

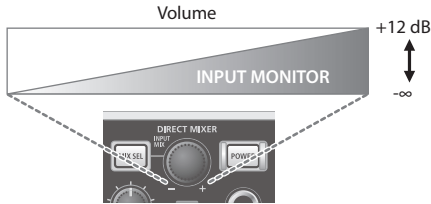
For details on the parameters, refer to "Compressor parameter settings" (p. 58)

Direct monitor volume adjustment

Here's how to adjust the balance between the monitor sound and the volume of the audio playback from your computer. Using the direct monitor volume to adjust the volume won't affect the recording level.



1. Turn the [INPUT MIX] knob to adjust the overall volume of input mixer section.



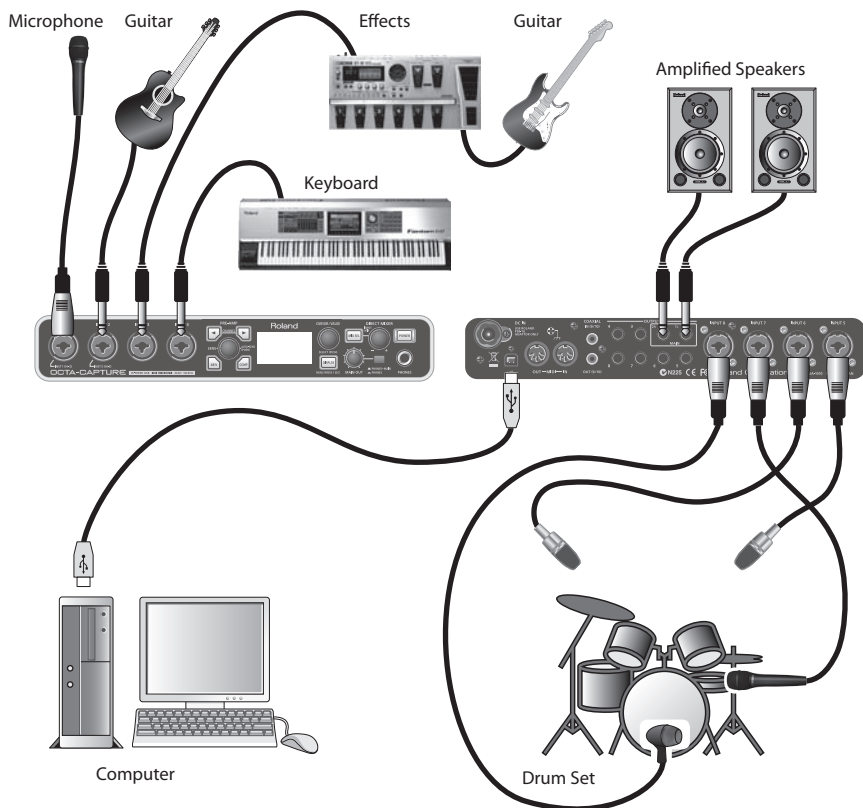
Simultaneously Recording Multiple Inputs (Multi Recording)

When recording your band's performance on your DAW software, you can record each instrument on its own track.

Connections

Connect your microphone, guitar, and keyboard to INPUT 1–4.

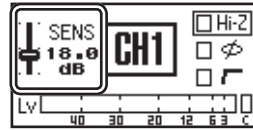
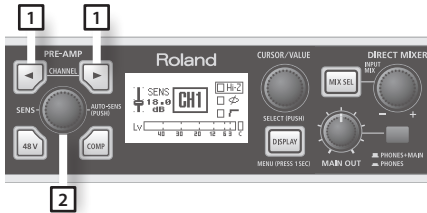
Connect four microphones to INPUT 5–8 and place them around your drum set.



Connect the mic for the kick to INPUT 8, which supports high input levels.

Input sensitivity adjustments

To record at the highest quality, raise the input sensitivity until it is as high as you can get it without causing the SIG indicator (p. 33) to reach the rightmost position.



1. Use the CHANNEL [] [] buttons to select the channel that you want to adjust.
2. Use the [SENS] knob to adjust the input level.

Direct monitor volume adjustments

Adjust the balance between the monitor sound and the volume of the audio playback from your computer. Using the direct monitor volume to adjust the volume will not affect the recording level.



1. Press the [MIX SEL] button to access the INPUT MIXER screen.
2. Turn the [INPUT MIX] knob to adjust the overall volume of input mixer section.

MEMO

You can provide separate monitor signals to the musicians. For details, refer to “Live Set-up with Four Stage Monitors” (p. 62).

Advanced Operation

Direct Mixers and Routing

In addition to its audio interface, the OCTA-CAPTURE internally provides four direct mixers (p. 46) and a patch bay (p. 50).

Settings for these can be made using the OCTA-CAPTURE's own knobs and buttons (p. 54), as well as from your computer using a dedicated control panel (p. 43).

Direct Mixer A, B, C, D

This allows the input signals to be directly output for monitoring without being routed through the computer.

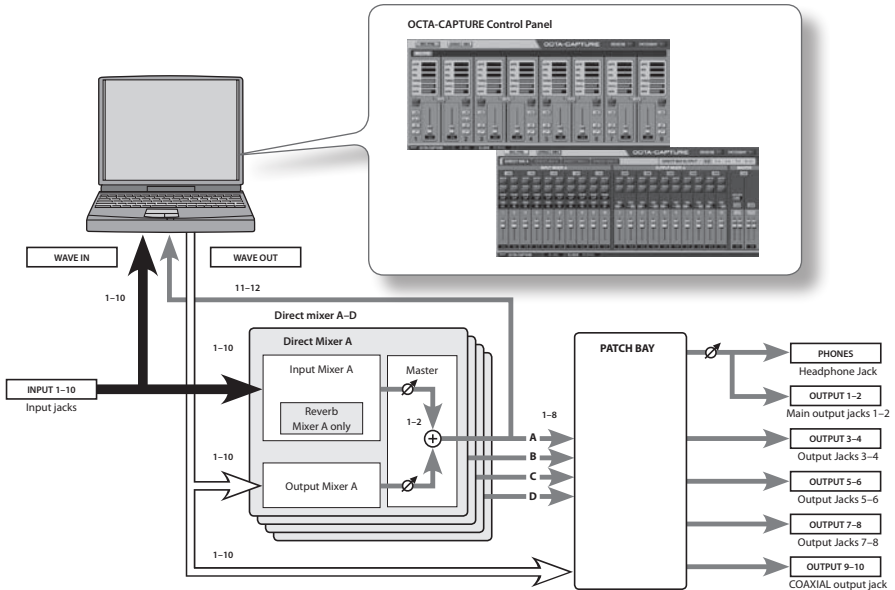
You can adjust the balance among these signals and the playback from the computer.

The direct mixer is a stereo mixer that provides individual adjustment of volume and pan for each input and each playback channel from the computer.

You can control the four mixers independently. For details, refer to "Direct Mixer control" (p. 46).

PATCH BAY

This allows you to assign the output destinations of the four direct mixers and the output destinations of the playback channels from the computer. For details, refer to p. 50.



If you want to fully control the OCTA-CAPTURE's direct mixer and patch bay, it's convenient to use the dedicated OCTA-CAPTURE control panel (p. 43). In addition to the direct mixer and patch bay, this allows graphic editing of the OCTA-CAPTURE's preamps and compressors as well.

Let's try using the direct mixer while using the control panel.

Control Panel

The OCTA-CAPTURE's control panel controls the OCTA-CAPTURE's internal preamps, the four direct mixers, and the patch bay. The control panel will be available for use after you've installed the dedicated driver.

For more about using the control panel, you can also choose "View README" from the OCTA-CAPTURE control panel.

Windows version	From the "Driver" menu, choose "Show README"
Macintosh version	From the "OCTA-CAPTURE Control Panel" menu, choose "Show README"

Startup

Access the OCTA-CAPTURE control panel as follows.

Windows Users

Open the Windows Control Panel and double-click the [OCTA-CAPTURE] icon.






If you don't see the OCTA-CAPTURE icon, open the control panel and switch to Icon view (Windows 7) or Classic view (Windows Vista/Windows XP).

Macintosh Users

Open the Applications folder, and double-click the [OCTA-CAPTURE Control Panel] icon.



Preamp control

Preamp section

Screen indication	Setting	Explanation
	Input gain	Adjusts the input signal's gain over a range of 0–50 dB, in steps of 0.5 dB.
	+48 V phantom power	Supplies phantom power. Turn this on if you're using a device that requires phantom power, such as a condenser mic.
	Impedance select (channels 1 and 2 only)	Choose the Hi-Z (ON) setting if you've connected a guitar, and choose the Lo-Z (OFF) setting if you've connected any other device.
	Phase	Inverts the phase of the input signal.
	Low cut	Enables the low-cut filter for the input. The cutoff frequency is 100 Hz.

Compressor section

The compressor section can also be controlled from the OCTA-CAPTURE itself (p. 58).

Screen indication	Setting	Explanation
GATE	Gate	Mutes signals below the specified level. (dB)
ATK	Attack Time	Specifies the time from when the input level exceeds the threshold until the compressor begins to operate. (msec)
REL	Release Time	Specifies the time from when the input level falls below the threshold level until the compressor stops operating. (msec)
THRES	Threshold	Specifies the signal level at which the compressor begins operating. (dB)
RATIO	Ratio	Specifies the compression ratio at which the audio signal is to be compressed.
GAIN	Gain	Adjusts the output level of the compressor. (dB)
	Stereo Link	If this setting is on, the compressor settings of the adjacent channel will be set so they're identical to those of this channel.
	Comp switch	Enables the compressor.

Direct Mixer control

* When operating at a sampling frequency of 192 kHz, only Mixer A will be available.




Input Mixer A–D

Here you can control the monitor level and balance of the audio data being input via input jacks 1–10.

The four input mixers can be controlled separately.

Click a mixer select tab to switch between mixers A–D.

The input mixer can also be controlled from the OCTA-CAPTURE itself (p. 55).


Screen indication	Setting	Explanation
LINK	Stereo Link	If this setting is on, the mixer settings of the adjacent channel will be set so they're identical to those of this channel.
MUTE	Mute	Switches muting on/off.
SOLO	Solo	Switches solo on/off.
SEND	Send	Adjusts the send level to the reverb unit (input mixer A only). For more about the reverb unit on/off and type settings, refer to "Reverb" (p. 49).
PAN	Pan	Specifies the panning of the sound.
	Slider	Adjusts the monitor level of the input signal.

Output Mixer A–D

Here you can control the balance of the five stereo channels of audio data sent from the computer, and send it to the headphones or the monitoring section.


You can control the four output mixers independently.

Click a mixer select tab to switch among mixers A–D.

Screen indication	Setting	Explanation
LINK	Stereo Link	If this setting is on, the mixer settings of the adjacent channel will be set so they're identical to those of this channel.
MUTE	Mute	Switches mute on/off.
SOLO	Solo	Switches solo on/off.
PAN	Pan	Specifies the panning of the sound.
	Slider	Adjusts the monitor level of the playback signal from the computer.

Master A–D


Here you can control the master output levels of the input mixer and the output mixer.

Screen indication	Setting	Explanation
LINK	Link	If this setting is on, the master volume of the input mixer and output mixer will be linked.
RETURN	Return	Adjusts the send level to the reverb unit (input mixer A only). For more about the reverb unit on/off and type settings, refer to "Reverb" (p. 49).
LINK	Stereo Link	If this setting is on, the sliders of the left and right channels will be linked.
	Slider	Adjusts the overall monitor level.

Device panel

Here you can view the status of the OCTA-CAPTURE's settings.



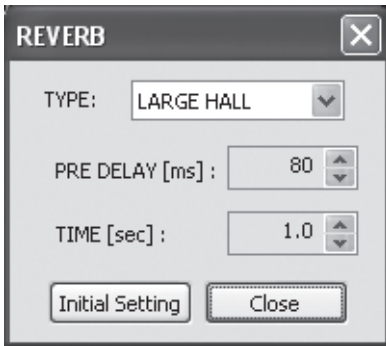
Item	Explanation
	Selects which unit's mixer will be shown when two OCTA-CAPTURE units are connected. When you click this button, the display of the OCTA-CAPTURE unit itself will be highlighted.
CLOCK	Indicates the sampling frequency.
	Indicates the clock source. INTERNAL: The OCTA-CAPTURE's internal clock is used. EXTERNAL: The OCTA-CAPTURE is operating in synchronization with the digital signal being input to INPUT jack 9/10.

Reverb

The reverb dialog box will appear when you click the control panel's [REVERB] button. Here you can specify settings such as the reverb type and the delay time.

- * **Reverb is not available when operating at a sampling frequency of 192 kHz.**
- * **Reverb features are only available on Input Mixer A.**

The reverb can also be controlled from the OCTA-CAPTURE itself (p. 59).



Setting	Explanation	
TYPE	ECHO:	Echo will be applied.
	ROOM:	Reverb that simulates the reverberation of a room.
	SMALL HALL, LARGE HALL:	Reverb that simulates the reverberation of a hall; produces a more spacious reverberation than ROOM.
	OFF:	No reverb will be applied.
PRE-DELAY	Adjusts the time from when the direct sound is output until the effect sound is output. Lengthening the pre-delay will create an effect in which multiple sounds are heard.	
TIME	Adjusts the time over which the reverberation decays to silence.	

You can adjust the PRE-DELAY and TIME parameters for each TYPE.

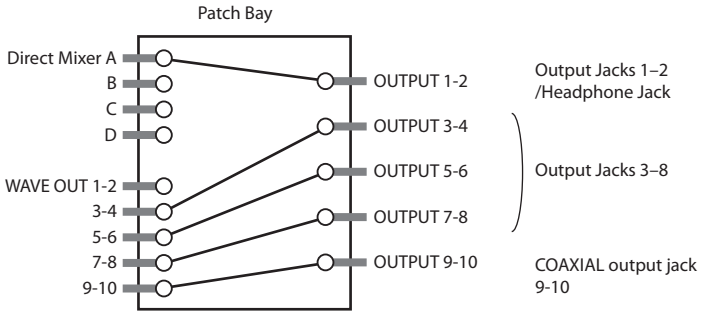
If you click the [Initial Setting] button, the settings will return to their factory-set state.

Patch Bay

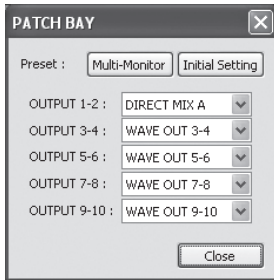
The patch bay dialog box will appear when you click the control panel's [PATCHBAY] button. As appropriate for your needs, you can freely assign the output destinations of the four direct mixers and the output destinations of the playback channels from the computer.

* The patch bay is not available when operating at a sampling frequency of 192 kHz.

The patch bay can also be controlled from the OCTA-CAPTURE itself (p. 59).



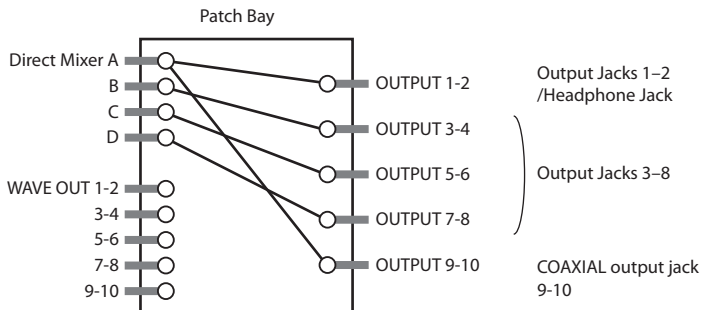
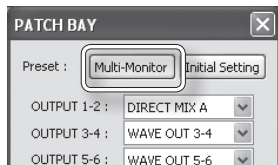
For each output jack, choose the source that you want to patch.



Sources that can be selected for OUTPUT

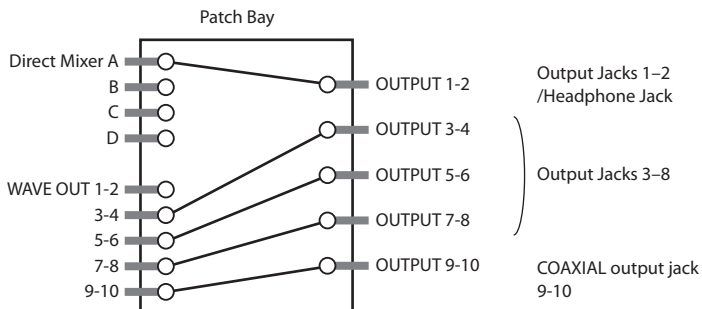
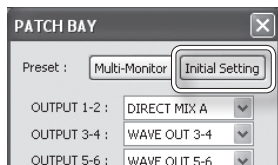
Source name	Explanation
WAVE OUT 1-10	Playback sound from the computer
DIRECT MIX A-D	Output sound from direct mixers A-D

If you click the [Multi-Monitor] button, Direct Mixer A–D will be output directly to output jacks 1–8.



Clicking the [Initial Setting] button will return the settings to their factory-set state.

The WAVE OUT 3–10 playback signals from the computer will be output directly from output jacks 3–10.



Saving and Loading Your Settings

From the OCTA-CAPTURE's control panel, you can save the current settings as a file, or load previously saved settings from a file.

The following settings are saved.

- Compressor settings (p. 45)
 - Preamp settings (p. 45)
 - Direct mixer A–D settings (p. 46)
 - Reverb settings (p. 49)
 - Patch bay settings (p. 50)
- * If you're using two connected OCTA-CAPTURE units, you can save the settings for each unit individually. To save settings for both units, select each in the device panel and its settings.

Saving settings

1. From the "Device" menu, choose [Save settings].
2. Specify the file in which the settings are to be saved.

Loading settings

1. From the "Device" menu, choose [Load settings].
2. Specify the file that contains the settings you want to load.

Initializing the Settings

The OCTA-CAPTURE allows you to initialize each setting independently.

- * Settings can also be initialized from the OCTA-CAPTURE itself (p. 60).

1. From the "Device" menu, choose [Initialize].

2. From the items shown, choose the item that you want to initialize.

Displayed item	Content that will be initialized
ALL	Preamp, direct mixer, reverb, and patch bay
MIC PRE	Compressor settings and preamp settings
DIRECT MIX	Direct mixer A–D settings
REVERB	Reverb settings
PATCH BAY	Patch bay settings

A confirmation screen will appear.

3. Click [OK] to initialize, or click [Cancel] to cancel without initializing.

Checking the signal flow

From the “Device” menu, choose [Show the signal flow] to view a block diagram.

Driver settings

Here’s how to view or modify the driver settings.

Windows users

From the “Driver” menu, choose [Driver Settings].

Mac OS X users

From the “OCTA-CAPTURE Control Panel” menu, choose [Driver Settings].

For details, refer to “Driver Settings” (p. 69).

View in foreground

Windows users

From the “Driver” menu, choose [Always on top].

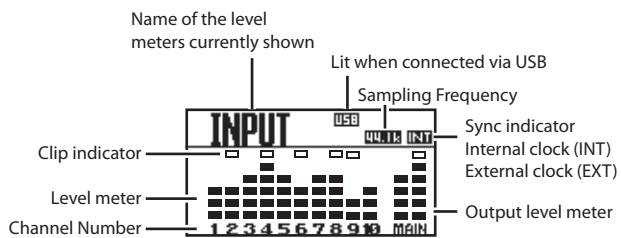
Mac OS X users

From the “OCTA-CAPTURE Control Panel” menu, choose [Always on top].

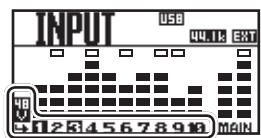
Operations in the OCTA-CAPTURE's Panel

Main Screen

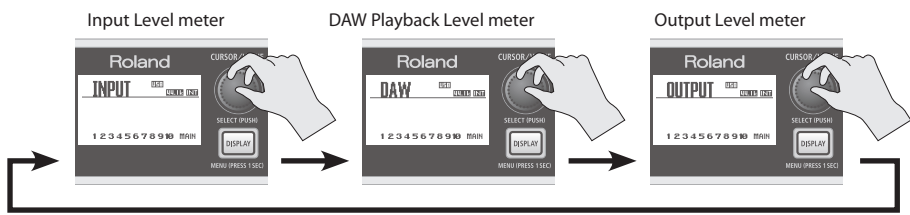
Press the [DISPLAY] button to access the main screen.



If phantom power (p. 36) is turned on for a channel, that channel number will be highlighted.



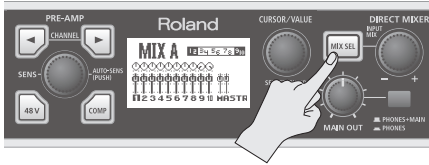
As you turn the [CURSOR/VALUE] knob toward the right, you'll move successively through the screens "INPUT" (the input levels), "DAW" (the output levels from the computer), and "OUTPUT" (the output levels from the OCTA-CAPTURE's OUTPUT jacks).



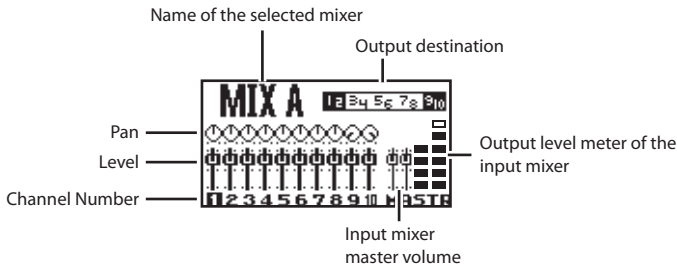
Input Mixer

[MIX SEL] Button

Press the [MIX SEL] button to access the INPUT MIXER screen.

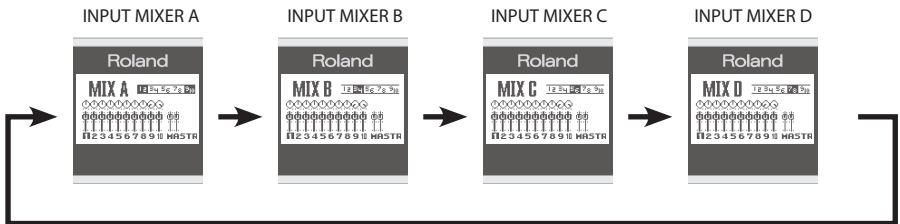


INPUT MIXER screen



If Mixer B, C, or D is assigned as the output destination in the patch bay (p. 50), you can press the [MIX SEL] button to cycle through the INPUT MIXER screens.

Mixer screens not assigned as an output destination will not be shown.



[INPUT MIX] Knob

Turn the [INPUT MIX] knob to adjust the input mixer's master volume.



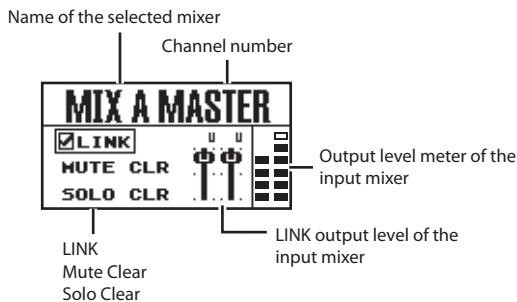
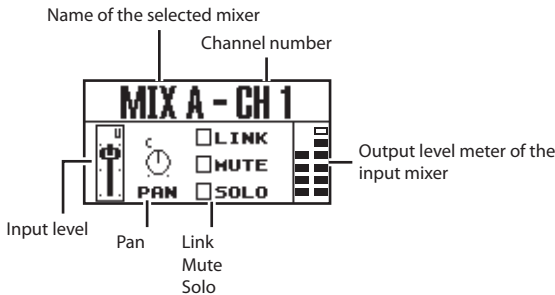
Editing the parameters of each channel

1. Turn the [CURSOR/VALUE] knob to select the channel that you want to edit.



2. Press the [CURSOR/VALUE] knob.

The channel parameter screen will appear.



3. Use the [CURSOR/VALUE] knob to move the cursor.
4. Press the [CURSOR/VALUE] knob to select the parameter.



Now the parameter can be edited.

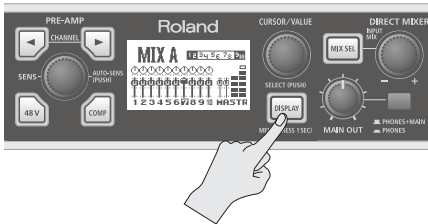
5. Turn the [CURSOR/VALUE] knob to edit the value.



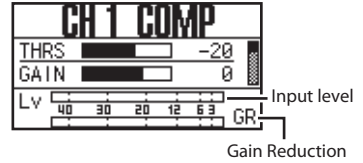
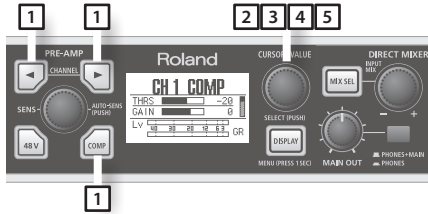
6. Press the [CURSOR/VALUE] knob to confirm the value.



7. Press the [DISPLAY] button to return to the previous screen.



Compressor parameter settings



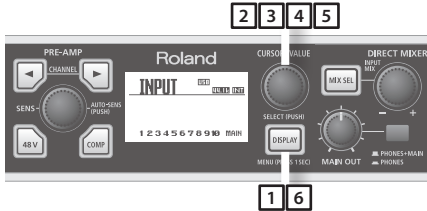
1. Use the CHANNEL [] or [] buttons to select a channel, and then press the [] button to access the COMP screen for the channel you want to edit.
2. Turn the [CURSOR/VALUE] knob to move the cursor to the parameter that you want to edit.

Setting	Explanation
THRS	Specifies the signal level at which the compressor will begin operating.
GAIN	Adjusts the output level of the compressor.
GATE	Signals lower than this value will be muted.
ATK	Specifies the time from when the input level exceeds the threshold level until the compressor begins operating.
REL	Specifies the time from when the input level falls below the threshold level until the compressor stops operating.
RATO	Specifies the compression ratio at which the audio signal will be compressed.
LINK	If this setting is on, the settings of the adjacent channel will be set so they're identical to those of this channel.
[←]	Returns you to the previous screen.

3. Press the [CURSOR/VALUE] knob to highlight the value.
4. Turn the [CURSOR/VALUE] knob to edit the value.
5. Press the [CURSOR/VALUE] knob to confirm the value.

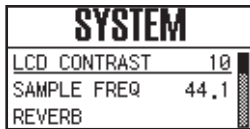
Utility section

In the utility section you can edit the OCTA-CAPTURE's system settings.



1. Press and hold the [DISPLAY] button for one second.

The SYSTEM screen will appear.



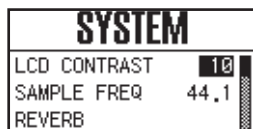
2. Turn the [CURSOR/VALUE] knob to move the cursor to the parameter that you want to edit.

Screen indication	Explanation
LCD CONTRAST	Adjusts the contrast of the display. Higher values will make the display darker. Range: 0–19
SAMPLE FREQ	Specifies the sampling frequency of the OCTA-CAPTURE itself. For details, refer to “Sampling Frequency Setting” (p. 68).
REVERB	Opens the setting screen for the built-in reverb. For details on the settings, refer to “Reverb” (p. 49).
PATCHBAY	For each output jack, select the source that you want to patch. As appropriate for your needs, you can freely assign the output destinations of the four direct mixers and the output destinations of the playback channels from the computer. For details on the settings, refer to “Patch Bay” (p. 50).

Screen indication	Explanation
AUTO SENS	<p>The recording level will be set automatically according to the maximum volume that was input during the Auto Sens setting time.</p> <p>To start rehearsal, press the [AUTO-SENS] button.</p> <p>Manual: The recording level will be set automatically according to the maximum volume that was input from when you started Auto Sens until when you pressed the [AUTO-SENS] button once again.</p> <p>30sec, 1min, 3min, 5min: If you press the [AUTO-SENS] button once again while the Auto Sens setting is in progress, the recording level will be automatically set according to the maximum volume that was received up to that point during Auto Sens.</p> <p>For details, refer to "Auto Sens setting" (p. 37).</p>
BACKUP ALL PRM.	Stores the current settings (preamp, direct mixer, reverb, patch bay) in the OCTA-CAPTURE's memory.
RECALL ALL PRM.	Recalls the internally stored settings.
VS EXPAND	<p>OFF: Choose this setting if you're using a single OCTA-CAPTURE unit.</p> <p>ON: Choose this setting if you've connected two OCTA-CAPTURE units. For details, refer to ("Connecting Two OCTA-CAPTURE Units" (p. 63).</p>
DIGITAL	<p>Turns the INPUT 9–10 (COAXIAL IN) input on/off.</p> <p>AUTO: The input signal from INPUT 9–10 (COAXIAL IN) will be received. The OCTA-CAPTURE will switch to the same sampling frequency as the incoming digital signal.</p> <p>OFF: The digital signal will not be received.</p>
CLEAR MUTE/ SOLO	<p>Clears the mute and solo settings of the channels.</p> <p>To clear the settings, choose "Yes," and then press the [CURSOR/VALUE] knob.</p> <p>If you decide not to clear the settings, choose "No," and then press the [CURSOR/VALUE] knob.</p>
POWER OFF	<p>Specifies the time after which power to the OCTA-CAPTURE will automatically be turned off, following the last time it was operated.</p> <p>Range: OFF, 4HOURS</p>
INITIALIZE	<p>Initializes the system settings.</p> <p>For details on the values, refer to "Initializing the Settings" (p. 52).</p> <p>When you select the item to be initialized, a confirmation message will appear.</p> <p>To execute initialization, press the [CURSOR/VALUE] knob.</p> <p>If you decide not to initialize, press the [DISPLAY] button.</p>

3. Press the [CURSOR/VALUE] knob.

The parameter value will be highlighted.



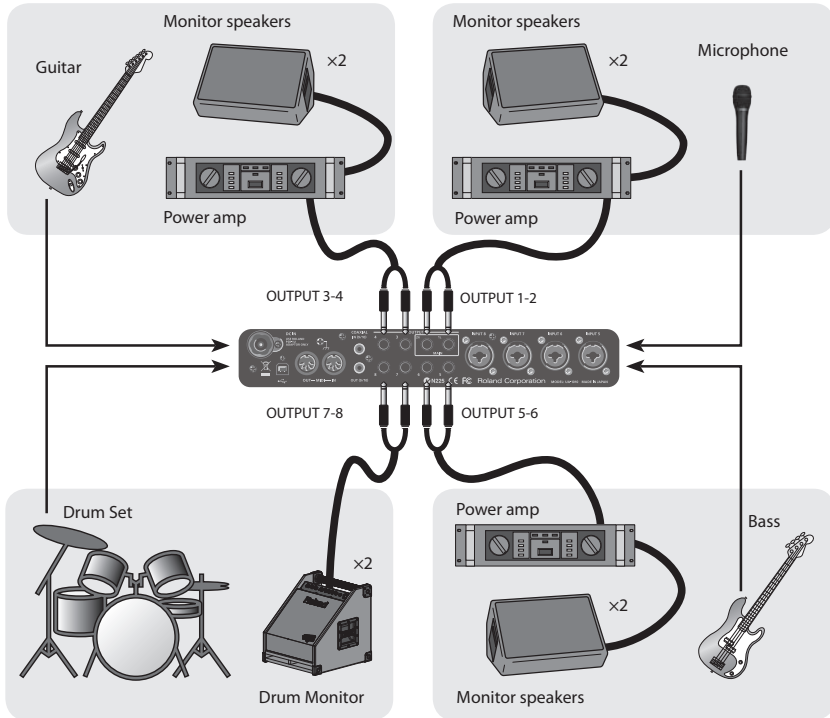
- 4.** Turn the [CURSOR/VALUE] knob to edit the value.
- 5.** Press the [CURSOR/VALUE] knob to finalize the setting.
- 6.** Press the [DISPLAY] button.

You will return to the previous screen.

Live Set-up with Four Stage Monitors

The sounds being input to INPUT 1–8 can be mixed independently by the four direct mixers, and sent from each mixer to a different output destination.

For example, this is convenient when you want to provide each member of a band with their own monitor mix.



Connect your monitor speakers as shown in the illustration, and make patch bay settings as follows (p. 50, p. 59).

1. As the source for OUTPUT 1-2, choose "DIRECT MIX A" and use it as the monitor mix for the vocalist.
2. As the source for OUTPUT 3-4, choose "DIRECT MIX B" and use it as the monitor mix for the guitarist.
3. As the source for OUTPUT 5-6, choose "DIRECT MIX C" and use it as the monitor mix for the bassist.
4. As the source for OUTPUT 7-8, choose "DIRECT MIX D" and use it as the monitor mix for the drummer.

If desired, you can choose the same source for all OUTPUT jacks.

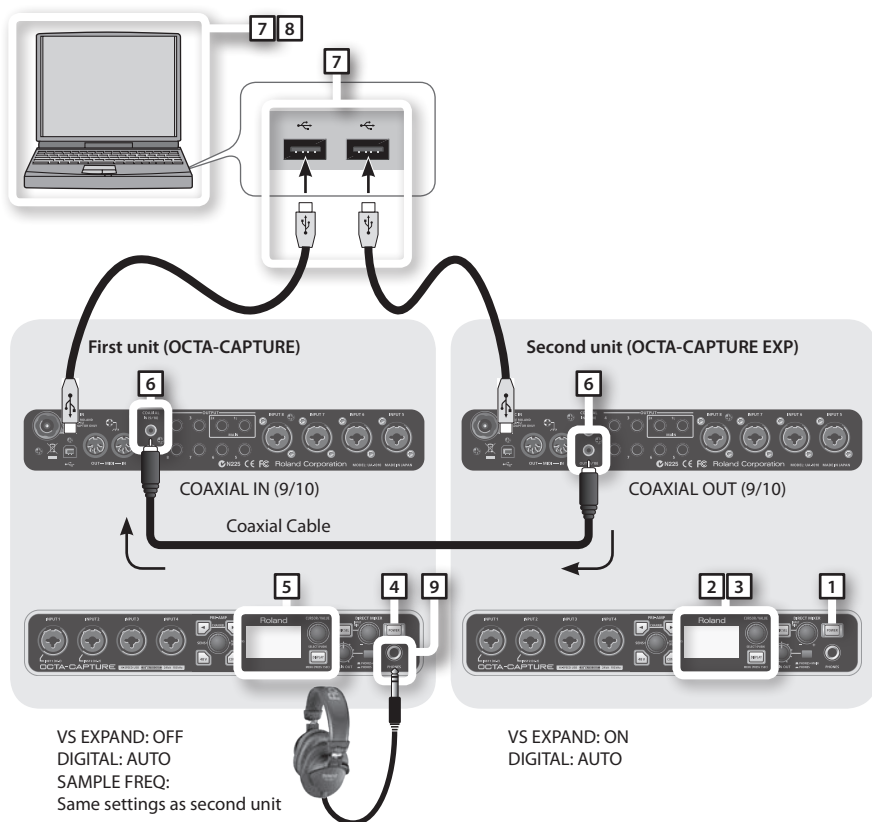
Connecting Two OCTA-CAPTURE Units

If you connect two OCTA-CAPTURE units, you'll be able to use them as a 24-in/20-out audio interface with ASIO on Windows or with Core Audio on Mac OS X.

In order to connect two OCTA-CAPTURE units and use them, you must turn on the VS EXPAND setting of the second unit, and set both units to digitally synchronize at the same sampling frequency.

* A maximum of two OCTA-CAPTURE units can be connected simultaneously.

Before you start making settings, disconnect both OCTA-CAPTURE units from the computer and turn off their power.



1. Switch on the power to the second OCTA-CAPTURE unit.

The second OCTA-CAPTURE unit will be the timing master.

2. Specify the sampling frequency (p. 68).

* When using two units, they cannot be used with the 192 kHz setting.

3. In the Utility section, turn VS-EXPAND on (p. 60).
4. Switch on the power to the first OCTA-CAPTURE unit.
5. Specify the same sampling frequency as that of the second unit (p. 67).
6. In order to digitally synchronize the two units, use a coaxial cable to connect the second unit's COAXIAL OUT (9/10) to the first unit's COAXIAL IN (9/10).
 - * If the Utility section's DIGITAL setting is turned off, the sampling frequency will not switch. Change the first unit's DIGITAL setting to "AUTO" (p. 60).
 - * Make sure that the Utility section's VS-EXPAND setting is "OFF."
7. **Connect the second OCTA-CAPTURE unit to the computer.**

Connect the two USB cables to USB ports that are near each other.

Windows 7/Windows Vista users

The driver will be installed automatically when you connect the OCTA-CAPTURE. Please wait.

Windows XP users

After you've made the connection, follow steps 10 through 13 on p. 20 to install the driver.
8. **The procedure will differ depending on your system. Proceed as follows.**

Windows users

If you're using Windows, the two OCTA-CAPTURE units must be connected to the same USB controller. Make sure that "OK" is shown for the item VS EXPAND in the driver settings (p. 69) of the OCTA-CAPTURE control panel.

If this does not indicate "OK," proceed as directed below.

If "USB controller does not match" is shown:

Connect the second OCTA-CAPTURE unit to a different USB port, and keep trying other USB ports until the indication is "OK" or "Sampling frequency does not match."

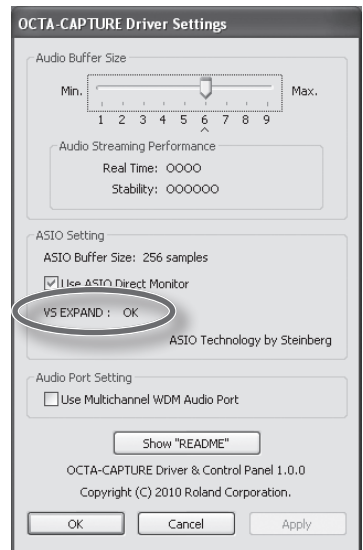
- * **Alternatively, you can ensure that the two OCTA-CAPTURE units are connected to the same USB controller by connecting them both to a USB 2.0 compliant hub.**

If "Sampling frequency does not match" is shown:

Disconnect both USB cables from the computer, turn off the power of the first unit, and start again from step 4. Connect each OCTA-CAPTURE unit to the same USB port.

If VS EXPAND is grayed out:

Disconnect both USB cables from the computer, turn off the power of both OCTA-CAPTURE units, and start again from step 1.



Mac OS X users

Make "MIDI Input/Output Device Settings" (p. 25) for the second OCTA-CAPTURE unit. In step 5, enter the following names.

New Device	Device Name
First [new external device]	EXP MIDI
Second [new external device]	EXP CTRL

Mac OS X 10.5 or earlier

1. After making connections, start up "Audio MIDI Setup" (/Applications/Utilities).
2. From the "Audio" menu, choose "Open Aggregate Device Editor."
3. The device settings dialog box will appear. Click the [+] button to add an aggregate device.
Change the device set name to "OCTA-CAPTURES."
4. Add a check mark to "OCTA-CAPTURE" and then to "OCTA-CAPTURE EXP"
5. In the clock field, choose "OCTA-CAPTURE EXP"
6. If a check mark has been placed in the Resample field, clear the check mark.

Mac OS X 10.6 or later

1. After making connections, start up "Audio MIDI Setup" (/Applications/Utilities).
2. Click "Create an aggregate device."
3. "Aggregate Device" will appear in the list; double-click it and edit the name.
Change the device set name to "OCTA-CAPTURES."
4. From the audio devices at the right, add a check mark to "Use" for "OCTA-CAPTURE" and then for "OCTA-CAPTURE EXP"
5. In the clock source field, choose "OCTA-CAPTURE EXP"
6. If a check mark has been placed in the Resample field, clear the check mark.

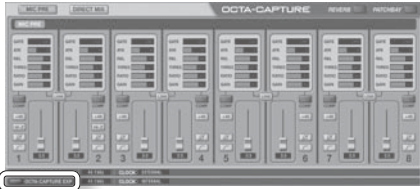
9. Connect your headphones to the PHONES jack of the first OCTA-CAPTURE unit.

The number of audio ports will increase, allowing you to record and play back using 24-in/20-out.

OCTA-CAPTURE device name	
First unit	OCTA-CAPTURE
Second unit	OCTA-CAPTURE EXP

Settings for monitoring through headphones

1. Start up the OCTA-CAPTURE control panel (p. 43).
2. In the lower left of the OCTA-CAPTURE EDITOR screen, click the [OCTA-CAPTURE EXP] button.



The state of the second OCTA-CAPTURE unit will be shown.

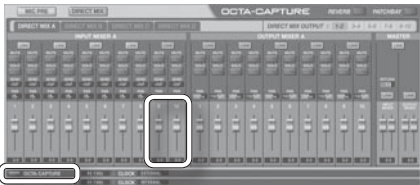
3. In the upper right of the screen, click the [PATCHBAY] button.

The patch bay screen will appear.

4. In the OUTPUT 9–10 field, choose “DIRECT MIX A.”

5. Click the [Close] button to close the screen.

6. In the lower left of the OCTA-CAPTURE EDITOR screen, click the [OCTA-CAPTURE] button.



The state of the first OCTA-CAPTURE unit will be shown.

7. Switch to the direct mixer control screen, and check to make sure that the sliders for channels 9-10 of INPUT MIXER A are sufficiently raised.
8. In order to monitor in stereo, set the channel 9 PAN to far left (100%L) and the channel 10 PAN to far right (100%R).
9. In the upper right of the screen, click the [PATCHBAY] button.
The patch bay screen will appear.
10. Make sure that “DIRECT MIX A” is selected in the OUTPUT 1–2 field.

If something else is selected, change it to “DIRECT MIX A.”

All input signals of the second OCTA-CAPTURE unit will be output from the PHONES jack of the first unit.

Setting the sampling frequency

1. Disconnect the coaxial cable that connects the two OCTA-CAPTURE units.
2. Disconnect the two USB cables from the computer.
3. Change the sampling frequency of the two units.
Set both units to the same sampling frequency.
4. In order to digitally synchronize the two OCTA-CAPTURE units, use a coaxial cable to connect the second unit's COAXIAL OUT (9/10) jack to the first unit's COAXIAL IN (9/10) jack.
5. Connect the second OCTA-CAPTURE unit to the computer.

Input/Output Devices (First Unit)

Input Device		Output Device	
OCTA-CAPTURE	IN 1-2	OCTA-CAPTURE	OUT 1-2
	IN 1-2(2)		OUT 1-2(2)
	IN 3-4		OUT 3-4
	IN 3-4(4)		OUT 3-4(4)
	IN 5-6		OUT 5-6
	IN 5-6(6)		OUT 5-6(6)
	IN 7-8		OUT 7-8
	IN 7-8(8)		OUT 7-8(8)
	IN 9-10		OUT 9-10
	IN 9-10(10)		OUT 9-10(10)
	MAIN		
MAIN(R)			

Used when synchronizing a first unit and second unit.

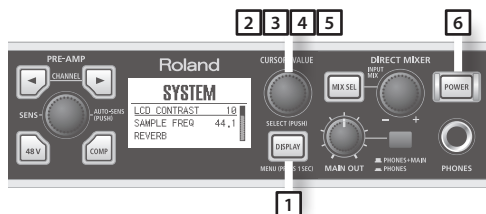
Input/Output Devices (Second Unit)

Input Device		Output Device	
OCTA-CAPTURE EXP	IN 1-2	OCTA-CAPTURE EXP	OUT 1-2
	IN 1-2(2)		OUT 1-2(2)
	IN 3-4		OUT 3-4
	IN 3-4(4)		OUT 3-4(4)
	IN 5-6		OUT 5-6
	IN 5-6(6)		OUT 5-6(6)
	IN 7-8		OUT 7-8
	IN 7-8(8)		OUT 7-8(8)
	IN 9-10		OUT 9-10
	IN 9-10(10)		OUT 9-10(10)
	MAIN		
MAIN(R)			

Appendices

Sampling Frequency Setting

If you want to connect the OCTA-CAPTURE to your computer via USB and use it as a USB audio interface, you'll need to set the OCTA-CAPTURE's sampling frequency to match your software's sampling frequency, as follows.



* After you've changed the sampling frequency, you must turn the OCTA-CAPTURE's power off, then on again.

* If software that uses the OCTA-CAPTURE is running, you must close the software.

1. Press and hold the [DISPLAY] button for one second to access the system setting (UTILITY) screen.
2. Turn the [CURSOR/VALUE] knob to move the cursor to "SAMPLE FREQ."
3. Press the [CURSOR/VALUE] knob to highlight the value.
4. Turn the [CURSOR/VALUE] knob to change the setting.
5. Press the [CURSOR/VALUE] knob to confirm the setting.
6. Switch off the OCTA-CAPTURE's power, then turn it back on again (p. 31).

Start up your recording software.

* If the sampling frequency is set to 192 kHz, only INPUT 1–4 and OUTPUT 1–4 can be used.

Limitations when using the 192 kHz setting

If the OCTA-CAPTURE's sampling frequency is set to 192 kHz, its operation will be limited as follows.

- Only INPUT 1–4 and OUTPUT 1–4 can be used.
 - Direct Mixer A will be the only direct mixer available.
 - Reverb will be unavailable.
 - The patch bay will be disabled.
- The output settings will be fixed at the four channels OUT 1-2: Direct Mixer A and OUT 3-4: WAVE OUT 3-4. The inputs will be fixed at INPUT 1–4.
- The digital input/output jacks cannot be used.
 - A second OCTA-CAPTURE unit cannot be used.

Restoring the Factory Settings (Factory Reset)

After first switching off the OCTA-CAPTURE's power, hold down the CHANNEL [◀] and [▶] buttons while you press the [POWER] button to turn on the power.



The screen will indicate "Factory Reset."

Driver Settings

In the driver settings dialog box you can view or change driver settings such as the buffer size.

Viewing or changing the settings (Windows)

* If the Windows monitoring function is enabled, it won't be possible to change the driver settings on Windows 7. Refer to "Windows Monitoring Function Settings (Windows 7)" (p. 80) and disable monitoring.

- 1. Use a USB cable to connect the OCTA-CAPTURE to your computer, then switch on the OCTA-CAPTURE's power.**
- 2. Open the Windows Control Panel and double-click the OCTA-CAPTURE icon.**
If you don't see the OCTA-CAPTURE icon, open the control panel and change the view to the Icon view (Windows 7) or Classic view (Windows Vista/Windows XP).
- 3. From the Driver menu, choose Driver Settings.**

The OCTA-CAPTURE Driver settings dialog box will appear.

Audio Buffer Size

You can adjust the audio input/output buffer size. (The default setting is the sixth step from the left.)

Decreasing the buffer size will decrease the latency and improve the realtime response. However, depending on the processing power of your computer and the complexity of your song data, this may make clicks and pops during recording or playback more likely.

Increasing the buffer size will increase the latency, but will make audio data transfer more stable, decreasing the likelihood of clicks and pops.

If you're playing a software synthesizer in real time or using your DAW software to monitor the "thru" signal of the audio input, you should decrease the buffer size in order to improve the realtime response.

Conversely, if you're recording or playing back song data that contains numerous tracks and imposes a heavy processing load on your computer, you should increase the buffer size in order to decrease clicks and pops.

Change the buffer size as appropriate for your situation in order to achieve a balance between realtime response and audio data transfer, while avoiding problems such as clicks and pops.

- * **If you've changed the buffer size, you must restart the software that's using the OCTA-CAPTURE. Alternatively, if you're using software that has an audio device test function, execute the software's test function.**
- * **Depending on the software you're using, its audio settings may also have a buffer size adjustment.**

"Use Multichannel WDM Audio Port" check box (Windows XP)

If this check box is selected, you can use all audio channels via one WDM audio port.

Check this if you are using Cakewalk software, such as SONAR, with WDM/KS mode.

- * **The modified setting will take effect after you turn the power of the OCTA-CAPTURE on/off.**
- * **If this check box is selected, you cannot use the WDM audio ports as 2-channel (stereo) audio ports.**

"Use ASIO Direct Monitor" check box

Check this if you are using the ASIO Direct Monitor function with an ASIO-compatible application.

VS EXPAND

If you're using a second OCTA-CAPTURE unit, this shows the connection status. If you're using only one unit, this is unavailable.

Show "README"

This displays the online manual for the driver.

Viewing or changing the settings (Macintosh)

- 1. Use a USB cable to connect the OCTA-CAPTURE to your computer, then switch on the OCTA-CAPTURE's power.**
- 2. Open the "Applications" folder, and double-click [OCTA-CAPTURE Control Panel].**
The "OCTA-CAPTURE Control Panel" will appear.
- 3. From the "OCTA-CAPTURE Control Panel" menu, choose "Driver Settings."**
The OCTA-CAPTURE Driver Settings panel is displayed.

Audio Buffer Size

You can adjust the audio input/output buffer size. (The default setting is the five step from the left.)

Decreasing the buffer size will decrease the latency and improve the realtime response. However, depending on the processing power of your computer and the complexity of your song data, this may make clicks and pops during recording or playback more likely.

Increasing the buffer size will increase the latency, but will make audio data transfer more stable, decreasing the likelihood of clicks and pops.

If you're playing a software synthesizer in real time or using your DAW software to monitor the "thru" signal of the audio input, you should decrease the buffer size in order to improve the realtime response.

Conversely, if you're recording or playing back song data that contains numerous tracks and imposes a heavy processing load on your computer, you should increase the buffer size in order to decrease clicks and pops.

Change the buffer size as appropriate for your situation in order to achieve a balance between realtime response and audio data transfer, while avoiding problems such as clicks and pops.

*** If you've changed the buffer size, you must restart the software that's using the OCTA-CAPTURE. Alternatively, if you're using software that has an audio device test function, execute the software's test function.**

*** Depending on the software you're using, its audio settings may also have a buffer size adjustment.**

Increase this buffer size if you still experience clicks and pops during playback or recording even after adjusting the audio buffer size in your software.

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

Recording Margin

If there are dropouts or noise in the recorded audio data even after you have adjusted the audio buffer size in your software and have also adjusted the "Audio Buffer Size," try increasing this recording margin setting.

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

Recording Timing

Adjust this setting if the timing of the recorded audio data is incorrectly aligned.

*** If audio software is running, these settings will not be applied immediately even if you click [OK]. Close all audio software; the settings will be applied the next time you start up the software.**

Driver Signing Option Settings (Windows XP)

Driver installation may not be possible due to your settings for “Driver Signing Options.” Refer to the following, and make the appropriate settings.

1. Open the “Control Panel,” click [Performance and Maintenance], and then click the [System] icon.
 - * If you’re using the Classic view, double-click [System].
2. Click the [Hardware] tab, and then click [Driver Signing].

The “Driver Signing Options” dialog box will appear.
3. In the “Driver Signing Options” dialog box, choose Warn or Ignore, and click [OK].
4. Click [OK] to close the “System Properties” dialog box.
5. Install the driver as described in the procedure for “Driver Installation and Settings” (p. 14).
 - * Once you’ve finished installing the driver, change the driver signing options back to their original settings.

Hardware Acceleration Settings (Windows XP)

In some cases, adjusting your graphics acceleration setting may solve problems with noise during audio playback.

1. Open the “Control Panel,” and double-click [Display].

If you don’t see the above icon, click “Desktop view and themes,” and then click [Display].
2. Click the [Settings] tab.
3. From [Advanced Settings], click the [Troubleshooting] 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.
6. Restart Windows.

Reinstalling the Driver

If a problem occurred while installing the driver, use the following procedure to reinstall it.

1. Uninstall the OCTA-CAPTURE driver as described in “Removing the Driver” (p. 73).
2. Install the driver once again as described in “Driver Installation and Settings” (p. 14).

Removing the Driver

Your computer may fail to correctly recognize the OCTA-CAPTURE if the driver could not be installed according to the specified procedure. If so, you’ll need to delete the driver that was detected by mistake. Use the following procedure to remove the driver, and then install the driver once again according to the procedure given in “Driver Installation and Settings” (p. 14).

Windows users

* The displayed content may differ depending on your system.

1. Start up your Windows with all USB cables other than those for a USB keyboard and USB mouse disconnected.
 - * Log on using a user name whose account type is computer administrator (such as Administrator).
2. Insert the included “OCTA-CAPTURE Driver CD-ROM” into your computer’s CD-ROM drive.
3. On the CD-ROM, navigate to the following folder and double-click [Uninstal.exe].

Windows 7:	Driver¥Win7¥Uninstal.exe
Windows Vista:	Driver¥Vista¥Uninstal.exe
Windows XP:	Driver¥XP¥Uninstal.exe
Windows 7 64-bit edition:	x64Driver¥Win7¥Uninstal.exe
Windows Vista 64-bit edition:	x64Driver¥Vista¥Uninstal.exe

4. A message regarding “User Account Control” will appear; click [Yes] on Windows 7, or click [Continue] on Windows Vista.
5. The screen will indicate “The installed OCTA-CAPTURE Driver will be uninstalled.” Click [OK].
 - * If any other message appears, proceed as directed by the message.
6. The screen will indicate “Uninstallation was completed.” Click [OK] to restart Windows.

Macintosh users

* The displayed content may differ depending on your system.

- 1. Start up your Macintosh with all USB cables other than those for a USB keyboard and USB mouse disconnected.**
- 2. Insert the included “OCTA-CAPTURE Driver CD-ROM” into the CD-ROM drive of your Macintosh.**
- 3. On the CD-ROM, in the Driver (OS version) folder, double-click “Uninstaller.”**
- 4. The screen will indicate “This uninstalls OCTA-CAPTURE driver from this Macintosh”. Click [Uninstall].**
 - * If any other message appears, proceed as directed by the message.
- 5. The screen will indicate “Are you sure to uninstall the driver?” Click [OK].**
- 6. An “Authenticate” dialog box or the dialog that asks to type your password will appear. Enter the password and click [OK].**
- 7. The screen will indicate “Uninstallation is completed.” Click [Restart] to restart your Macintosh.**
 - * It may take some time for the Macintosh to restart.

Power Management Settings

If you experience problems such as interrupted notes or dropouts in the sound, you may be able to solve the problem by changing your computer's power management settings.

Windows 7 users

1. Open the "Control Panel," click [System and Security], and then click [Power Options].
If you're using an icon display, double-click the [Power Options] icon.
2. In "Select a power plan," choose [High performance].
3. In the [High performance] area, click [Change plan settings].
If you don't see [High performance], click [Show additional plans].
4. Click [Change advanced power settings].
5. In "Power Options" [Advanced Settings], click the [+] symbol for "Hard Disk," and click the [-] symbol for "Turn off hard disk after" to open it.
6. Click [Setting (Minutes)], and click the down arrow to change the setting to [Never].
7. Click [OK] to close the "Power Options" window.
8. Close the "Edit Plan Settings" screen.

Windows Vista users

1. Open the "Control Panel," click [System and Maintenance], and then click [Power Options].
* If you're using the Classic view, double-click the [Power Options] icon.
2. In "Select a power plan," choose [High performance].
3. In the [High performance] area, click [Change plan settings].
4. Click [Change advanced power settings].
5. In "Power Options" [Advanced Settings], click the [+] symbol for "Hard Disk," and click the [-] symbol for "Turn off hard disk after" to open it.
6. Click [Setting (Minutes)], and click the down arrow to change the setting to [Never].
7. Click [OK] to close the "Power Options" window.
8. Close the "Edit Plan Settings" screen.

Windows XP users

1. Open the “Control Panel,” click [Performance and Maintenance], and click [Power Options].
 - * If you’re using the Classic view, double-click the [Power Options] icon.
2. Click the [Power Schemes] tab, and in the “Power Schemes” field, select [Always On].
3. Click [OK] to close “Power Options Properties.”

System “Performance” Settings (Windows)

If you experience problems such as interrupted notes or dropouts in the sound, you may be able to solve the problem by changing the “Performance” setting of the system as described below.

Windows 7 users

1. Open the “Control Panel,” click [System and Security], and click [System].
If you’re using an icon display, double-click the [System] icon.
2. At the left, click [Advanced system settings].
3. A User Account Control dialog box will appear; click [Yes].
If you’re asked to enter an administrator password, log on to Windows as a user whose account type is administrator, and make the setting again.
4. Click [Settings] of the Performance section, and click the [Advanced] tab.
5. Choose [Background services] and click [OK].
6. Click [OK] to close “System Properties.”

Windows Vista users

1. Open the “Control Panel,” click [System and Maintenance], and click [System].
* If you’re using the Classic view, double-click the [System] icon.
2. In the list of “tasks” shown at the left, click [Advanced System Settings].
3. A User Account Control dialog box will appear; click [Continue].
* If you’re asked to enter an administrator password, log on to Windows as a user whose account type is administrator, and make the setting again.
4. Click [Settings] of the Performance section, and click the [Advanced] tab.
5. Choose [Background services] and click [OK].
6. Click [OK] to close System Properties.

Windows XP users

1. Open the “Control Panel,” click [Performance and Maintenance], and click [System].
* If you’re using the Classic view, double-click the [System] icon.
2. Click the [Advanced] tab, and click [Settings] in “Performance.”
3. Click the [Advanced] tab.
4. Choose [Background services], and click [OK].
5. Click [OK] to close “System Properties.”

System Volume Settings

Windows 7 users

1. Open the "Control Panel," and switch "View by:" to "Category."
2. Click [Hardware and Sound], and then click [Adjust system volume].
3. The volume mixer will appear. From the pulldown menu of the "Device" item, choose the OCTA-CAPTURE's [1-2], and adjust the volume.

You can also access the volume mixer by right-clicking the speaker icon in the lower right of the screen, and choosing "Open Volume Mixer."

Windows Vista users

1. Open the "Control Panel," and click [Hardware and Sound].
 - * If you're using the Classic View, click Control Panel Home to exit the Classic View.
2. In "Sound," click [Adjust system volume].
3. The "Volume Mixer" will appear; from the "Device" menu, choose (for example) "1-2" as the "Device to use for playback," and adjust the volume.
4. Adjust the Device or Application volume.
 - * If the Mute button is on, click the mute button once again to turn it off.
 - * You can also access the volume mixer by right-clicking the speaker icon located in the bottom right corner of your screen, and choosing Open "Volume Mixer."

Windows XP users

1. Open the "Control Panel," click [Sound, Voice, and Audio Devices], and then click [Sound and Audio Devices].

If you're using the classic view, double-click [Sound and Audio Devices].
2. Click the [Audio] tab.
3. In the "Sound playback" area, make sure that [1-2 (OCTA-CAPTURE)] is selected as the "Default device," and click [Volume].
4. The "Volume Control" will appear; adjust the Wave volume.
 - * If the Mute setting is checked, clear the check mark.

Macintosh users

1. In "System Preferences," click [Sound].
2. Click the [Output] tab.
3. In the "Choose a device for sound output field," make sure that the [OCTA-CAPTURE] is selected, and use the "Output volume slider" to adjust the volume.
 - * If Mute is checked, clear the check mark.

Voice Communication Software Settings (Windows 7)

If you're using voice communication software, the volume of the audio device might be adjusted automatically according to the status of your conversation.

In this case, proceed as follows to disable automatic volume adjustment.

1. Open the "Control Panel," click "Hardware and Sound," and then click "Sound."
 - * If the "Control Panel" shows the Icon view, click [Sound].
2. In the [Communications] tab, change the setting "When Windows detects communications activity" to [Do nothing].
3. Click [OK] to close "Sound."

Windows Monitoring Function Settings (Windows 7)

If the monitoring function of Windows is enabled, the input sound might be heard in duplicate (doubled) or might cause an oscillating loop (feedback).

In this case, proceed as follows to disable the monitoring function in Windows.

1. Open the "Control Panel," click [Hardware and Sound], and then click [Sound].
 - * If the Control Panel shows the Icon view, click "Sound."
2. In "Recording," select the OCTA-CAPTURE [1-2 (OCTA-CAPTURE)], and click [Properties].
3. Open the "Listen" tab, and clear the [Listen to this device] check box.
4. Click [OK] to close "Properties."
5. Click [OK] to close "Sound."

Device Name (Windows)

Audio output device

Device Name	MME, WDM/KS	ASIO	44.1 kHz–96 kHz	192 kHz
OCTA-CAPTURE	1-2 (OCTA-CAPTURE)	OUT 1-2	O	O
		OUT 1-2(2)		
	3-4 (OCTA-CAPTURE)	OUT 3-4	O	O
		OUT 3-4(4)		
	5-6 (OCTA-CAPTURE)	OUT 5-6	O	–
		OUT 5-6(6)		
	7-8 (OCTA-CAPTURE)	OUT 7-8	O	–
		OUT 7-8(8)		
	DIGITAL (OCTA-CAPTURE)	OUT 9-10	O	–
		OUT 9-10(10)		

Audio input device

Device Name	MME, WDM/KS	ASIO	44.1 kHz–96 kHz	192 kHz
OCTA-CAPTURE	1-2 (OCTA-CAPTURE)	IN 1-2	O	O
		IN 1-2(2)		
	3-4 (OCTA-CAPTURE)	IN 3-4	O	O
		IN 3-4(4)		
	5-6 (OCTA-CAPTURE)	IN 5-6	O	–
		IN 5-6(6)		
	7-8 (OCTA-CAPTURE)	IN 7-8	O	–
		IN 7-8(8)		
	DIGITAL (OCTA-CAPTURE)	IN 9-10	O	–
		IN 9-10(10)		
MAIN (OCTA-CAPTURE)	MAIN	O	–	
	MAIN(R)			

MIDI input/output device

MIDI input device	MIDI (OCTA-CAPTURE)
	CTRL (OCTA-CAPTURE)
MIDI output device	MIDI (OCTA-CAPTURE)
	CTRL (OCTA-CAPTURE)

Troubleshooting

If you experience a problem, read this chapter first. It contains information that may help you solve the problem. If the information here does not help you solve the problem, try accessing the Roland website. If you are still unable to solve the problem, please contact a service location listed at the end of this manual.

Overall

Problem	What to check	Page
Power will not turn on	Make sure that the OCTA-CAPTURE's AC adaptor is correctly connected to an outlet and to the OCTA-CAPTURE.	p. 30

Problems when Installing the Driver

Problem	What to check	Page
Can't start up the installer	Is the CD-ROM inserted correctly in your DVD-ROM drive? Make sure that the CD-ROM is correctly inserted in the DVD-ROM drive.	-
	Could the CD-ROM itself or the lens of your DVD-ROM drive be dirty? The installer may not operate correctly if the CD-ROM or the lens of your DVD-ROM drive is dirty. Use a commercially available CD cleaner or lens cleaner to clean the disc or lens.	-
	Are you attempting to install from a networked DVD-ROM drive? The driver cannot be installed from a DVD-ROM drive on the network.	-
A warning or error appears during the installation (Windows)	Could you have connected the OCTA-CAPTURE to your computer before installing the driver? If you connect the OCTA-CAPTURE to your computer before installing the driver, an error message may appear when you begin the installation. Reinstall the OCTA-CAPTURE driver as described in "Reinstalling the Driver" (p. 73).	p. 73
	Are there any devices labeled "Other," "Unknown," or "?/!/X" in the Device Manager? If driver installation was not completed successfully, the partially installed driver may remain in an incomplete state. Reinstall the OCTA-CAPTURE driver as described in "Reinstalling the Driver" (p. 73).	p. 73

Problem	What to check	Page
Can't install the driver	Did you log on to Windows with the appropriate user privileges? You must log onto Windows using one of the following user names. <ul style="list-style-type: none"> • A user name belonging to the Administrators group, such as Administrator • A user name whose account type is Computer Administrator For details, ask the system administrator for your computer.	-
	In some cases, you may be unable to install the driver because of the "Driver signing option" settings (Windows XP) Refer to "Driver Signing Option Settings (Windows XP)" (p. 72) and make the appropriate settings.	p. 72
	Could other software be running, perhaps in the background (such as anti-virus software)? The installation may not occur correctly if other software is running. Be sure to close all other software before you perform the installation.	-
Installation is not successfully completed when you connect the OCTA-CAPTURE	After you connect the OCTA-CAPTURE, it may take several minutes before it is recognized by your computer This is not a malfunction. Please wait until the Found New Hardware Wizard appears.	-
	Is the OCTA-CAPTURE connected? Make sure that the OCTA-CAPTURE is correctly connected to your computer.	p. 30
	Could your computer be operating on its battery? Operation may be unstable if your computer is operating on battery power. Please use your computer with its power supply connected.	-
	Could a USB device other than a mouse or keyboard be connected? Disconnect all USB devices (other than a mouse and keyboard, if used) from your computer before performing the installation.	-
	Does your computer meet the requirements of the USB specification? Operation may be unstable if your computer does not meet the electrical requirements of the USB specification. In this case, you may be able to solve the problem by connecting a self-powered USB hub (a USB hub that has an internal power supply or an AC adaptor).	-
"Found New Hardware Wizard" appears even though you've installed the driver (Windows XP)	Could you have connected the OCTA-CAPTURE to a different USB connector than the one you used when installing the driver? If your computer or USB hub has two or more USB connectors, connecting the OCTA-CAPTURE to a different USB connector may cause your computer to ask for the driver file even though the driver has already been installed. This behavior does not indicate a malfunction. Install the driver as described in step 9 of Installing the driver (p. 20).	p. 20
A number such as "2-" appears at the beginning of the device name (Windows)	Could you have connected the OCTA-CAPTURE to a different USB port? If you connect the OCTA-CAPTURE to a different USB port, some operating systems may automatically add a number to the beginning of the device name, but this should not be a problem when using the OCTA-CAPTURE. If you want to return to the device name that does not have this number, you can either connect the OCTA-CAPTURE to the same USB port as when you installed it, or install the driver once again. -> "Reinstalling the Driver" (p. 73)	p. 73

Problems with Settings

Problem	What to check	Page
Can't select/use the OCTA-CAPTURE within software or in system settings	<p>Could the OCTA-CAPTURE be in use by other software?</p> <p>Close all software you currently have running. Next, switch off the OCTA-CAPTURE's power, then turn it back on again.</p> <p>If this does not solve the problem, reinstall the driver.</p> <p>-> "Reinstalling the Driver" (p. 73)</p>	p. 73
	<p>Is the driver installed correctly?</p> <p>Driver installation may have failed. Please reinstall the driver.</p> <p>-> "Reinstalling the Driver" (p. 73)</p>	p. 73
	<p>Is the OCTA-CAPTURE device name shown?</p> <p>If the device name is not displayed, it may be that the driver installation failed. Please reinstall the driver.</p> <p>-> "Reinstalling the Driver" (p. 73)</p>	p. 73
	<p>Could the computer to which the OCTA-CAPTURE is connected have entered standby (suspend) mode, hibernate mode, or sleep mode?</p> <p>Close all software that's using the OCTA-CAPTURE. Next, switch off the OCTA-CAPTURE's power, then turn it back on again.</p> <p>If this does not solve the problem, restart your computer.</p>	-
	<p>Could you have disconnected and reconnected the USB cable while using the OCTA-CAPTURE?</p> <p>Close all software that's using the OCTA-CAPTURE. Next, switch off the OCTA-CAPTURE's power, then turn it back on again.</p> <p>If this does not solve the problem, restart your computer.</p>	-
	<p>Could the OCTA-CAPTURE have been connected when the computer started up?</p> <p>On some computers, the OCTA-CAPTURE may be unusable if it is already connected when the computer starts up.</p> <p>Start up your computer, and then connect the OCTA-CAPTURE.</p>	-
	<p>Could you be using the Media Player included with Windows?</p> <p>The OCTA-CAPTURE's MIDI device cannot be selected for Media Player on Windows 7 or Windows Vista.</p>	-
	<p>Could you be using a multichannel WDM audio port?</p> <p>If you're using a multichannel WDM audio port, there are cases in which some software will not allow you to select anything other than input/output jacks 1 and 2 as the input/output destination.</p> <p>If you want to select input/output jacks 3–10 as input/output destinations, disable the multichannel WDM audio port.</p> <p>-> ""Use Multichannel WDM Audio Port" check box (Windows XP)" (p. 70)</p>	p. 70
	<p>Have you made "Audio MIDI Setup"? (Mac OS X)</p> <p>Make the appropriate Audio MIDI Settings as described in "Audio Input/Output Device Settings" (p. 24), "MIDI Input/Output Device Settings" (p. 25).</p>	p. 24 p. 25

Problem	What to check	Page
Can't select/use the OCTA-CAPTURE within software or in system settings	Could the OCTA-CAPTURE's "VS EXPAND" setting be "ON"? Turn the "VS EXPAND" setting "OFF," and turn the OCTA-CAPTURE's power off, then on again.	p. 60
Can't make driver settings (Windows 7)	Could the monitoring function of Windows be enabled? Refer to "Windows Monitoring Function Settings (Windows 7)" (p. 80) and disable the monitoring function.	p. 80

Problems with Playback or Recording

Problem	What to check	Page
No sound from your computer's speakers	If you connect the OCTA-CAPTURE to your computer, sound will not be heard from your computer's speakers This is not a malfunction. Connect your headphones or audio playback system (external monitors) to the OCTA-CAPTURE.	-
Sound played by your computer is inaudible or too soft	Can you hear sound by connecting headphones? If you can hear sound through headphones connected to the OCTA-CAPTURE's headphone jack, check that you have correctly connected your audio playback system (external monitors), and adjust the volume of your equipment. If the sound in your headphones is inaudible or too soft, check the other troubleshooting items.	-
	Are the volume settings of the OCTA-CAPTURE itself set appropriately? Use the OCTA-CAPTURE's front panel monitor volume and direct monitor volume knob to adjust the volume.	-
	In the OCTA-CAPTURE control panel's direct mixer, could Mute be turned on? In the "Control Panel" (p. 43), check whether Mute might be turned on.	p. 43
	Is the volume of the direct mixer set appropriately? Use the "Control Panel" (p. 43) to view and adjust the volume of the direct mixer.	p. 43
	Is the patch bay set correctly? Depending on the patch bay settings, playback from the computer may not be routed properly to the output jacks. Check the patch bay settings in OCTA-CAPTURE Control Panel. -> "Patch Bay" (p. 50)	p. 50
	Could the Windows or Macintosh system volume be turned down? Set the volume of your computer system to the appropriate level. -> "System Volume Settings" (p. 78)	p. 78
	Could you be using voice communication software? (Windows 7) If you're using voice communication software, the volume of the audio device might be automatically adjusted according to the status of your conversation. In this case, disable the automatic volume adjustment. -> "Voice Communication Software Settings (Windows 7)" (p. 80)	p. 80

Problem	What to check	Page
Sound played by your computer is inaudible or too soft	Could the monitor select switch be in the inward position (headphones only)? If this is set to headphones only, the output of the main output jacks will be muted. ->"8. Monitor select switch" (p. 11)	p. 11
	Are any channels muted or soloed? If mute is turned on, that channel will not produce sound. If solo is turned on for a channel, the other channels will not produce sound. Clear the mute and solo settings as described in "CLEAR MUTE/SOLO" (p. 60).	p. 60
	Try adjusting the audio buffer size of the driver If the size of the driver's audio buffer is too small, sound may not be produced, or it may be impossible to carry out normal playback and recording. In such cases, you should refer to "Driver Settings" (p. 69), and increase the size of the buffer.	p. 69
Insufficient volume from your guitar	Are you using the correct connector? Connect your guitar to the INPUT 2 combo input jack.	p. 35
	Is the input impedance select switch set correctly? Set the input impedance select switch to the Hi-Z position.	p. 36
	Is the input level appropriate? Try turning the OCTA-CAPTURE's [SENS] knob toward the right to increase the input level.	p. 33
	Could you be using a cable that contains a resistor? Make connections using a cable that does not contain an internal resistor.	-
	Also check the contents of "Insufficient volume from a device connected to the input jack."	p. 86
Insufficient volume from your microphone	Is the input impedance select switch set correctly? Set the input impedance select switch to Lo-Z.	p. 36
	Are you using the correct connector? Connect your microphone to the XLR type connector of the combo input jack.	p. 35
	Also check the contents of "Insufficient volume from a device connected to the input jack."	p. 86
	Is the volume of the direct mixer set appropriately? Use the "Control Panel" (p. 43) to view and adjust the volume of the direct mixer.	p. 43
Insufficient volume from a device connected to the input jack	Is the [INPUT MIX] knob raised appropriately? Turn the [INPUT MIX] knob toward the right to adjust the volume.	p. 39
	Is the input level appropriate? If you've connected the device to combo input jacks, try turning the OCTA-CAPTURE's input sensitivity knob toward the right to increase the input level.	p. 37
	Is the volume of the direct mixer set appropriately? Use the "Control Panel" (p. 43) to view and adjust the volume of the direct mixer	p. 43
	Could you be using a cable that contains a resistor? Make connections using a cable that does not contain an internal resistor.	-

Problem	What to check	Page
Distorted sound from a device connected to the input jack	<p>Could the clip indicator be lit?</p> <p>Try turning the OCTA-CAPTURE's [SENS] knob toward the left to reduce the input level.</p>	p. 37
	<p>Is the volume of the direct mixer set appropriately?</p> <p>Use the "Control Panel" (p. 43) to view and adjust the volume of the direct mixer.</p>	p. 43
	<p>Could you be recording a drum set?</p> <p>If you're recording a loud signal such as a bass drum, connect it to INPUT 7 or 8. INPUT 7 and 8 support high input levels (+16 dBu).</p>	-
Playback contains clicks, dropouts, or other problems	<p>Try adjusting the audio buffer size of your software</p> <p>If your software allows you to adjust the audio buffer size, try changing the setting. Normally, clicks and pops can be eliminated by increasing the buffer size.</p>	-
	<p>Try adjusting the audio buffer size of the driver</p> <p>If your software does not allow you to adjust the buffer size, or if adjusting the buffer size in your software does not solve the problem, you may be able to solve the problem by changing the driver's audio input/output buffer size. Normally, clicks and pops can be eliminated by increasing the buffer size.</p> <p>Try adjusting the buffer size as described in "Driver Settings" (p. 69).</p>	p. 69
	<p>Try increasing the "Recording margin" (Mac OS X)</p> <p>If there are still clicks and pops in the recorded audio data even after you've adjusted the audio buffer size, try increasing the "Recording margin" as described in "Viewing or changing the settings (Macintosh)" (p. 70).</p>	p. 70.
	<p>Check the power management settings</p> <p>You may be able to eliminate clicks and pops by changing your system's power management settings.</p> <p>-> "Power Management Settings" (p. 75)</p>	p. 75
	<p>Try updating the driver of your display adaptor (Windows)</p> <p>You may be able to eliminate clicks and pops by updating the driver for the display adaptor installed in your computer.</p>	-
	<p>Have you set the system's "Performance" setting? (Windows)</p> <p>You may be able to solve the problem by changing the "Performance" setting of the system.</p> <p>-> "System "Performance" Settings (Windows)" (p. 77)</p>	p. 77
	<p>Do the sample rate settings match?</p> <p>The sample rate setting of your software must match the sample rate setting of the OCTA-CAPTURE itself.</p> <p>* After setting the sample rate on the OCTA-CAPTURE itself, you must close all application software that is using the OCTA-CAPTURE, switch off the OCTA-CAPTURE's power, then turn it on again.</p>	p. 68
	<p>Could other software programs be running?</p> <p>Close software that you're not using.</p> <p>If the window of a Windows program has been closed but it is still shown in the taskbar, that program is still running. Close all unneeded software that's shown in the taskbar.</p>	-

Problem	What to check	Page
Playback contains clicks, dropouts, or other problems	Have you tried Windows Update or Microsoft Update? (Windows) Try using Windows Update or Microsoft Update (provided by the Microsoft Corporation) to update your system to the latest version.	-
	Try disabling the LAN In your computer's Device Manager, try disabling LAN (wired/ wireless). If this eliminates the clicks and pops, it may be that updating your LAN driver or BIOS may solve the problem. Check whether updated software is available.	-
	Could you have connected the OCTA-CAPTURE to a USB hub? Try connecting the OCTA-CAPTURE directly to a USB connector on your computer.	-
	Are you using the included USB cable? You must use the included USB cable when using the OCTA-CAPTURE. Some commercially available USB cables do not meet the requirements of the USB standard, and this may prevent the OCTA-CAPTURE from operating correctly.	-
	Could you have updated the Mac OS X software while OCTA-CAPTURE was connected? It has been found that clicks or pops can occur if you performed a Mac OS X software update while the OCTA-CAPTURE was connected. If so, install the driver once again (p. 73).	p. 73
	Could the monitoring function of Windows be enabled? (Windows 7) If the monitoring function of Windows is enabled, the input sound might be heard in duplicate (doubled) or as a loop (feedback). In this case, disable the monitor function of Windows. -> "Windows Monitoring Function Settings (Windows 7)" (p. 80)	p. 80
	Click or pops may occur in the playback/recording immediately after you start up your computer, or immediately after it has been waken from sleep Please wait for a while before you play back or record.	-
	Does your computer meet the operating requirements?	-
	Try adjusting "Hardware Acceleration" in the advanced display properties (Windows XP) In some cases, adjusting your graphics acceleration settings may solve problems with noise during audio playback. -> "Hardware Acceleration Settings (Windows XP)" (p. 72)	p. 72
Noise or distortion occurs elsewhere than in the playback from your computer	Is a guitar connected? If the noise decreases when you lower your guitar's volume, it may be that your guitar's pickups are being affected by noise from your computer or display. Move the guitar as far away from your computer as possible.	-
	Could you have left an unused microphone or guitar connected? If an unused microphone or guitar is connected to the OCTA-CAPTURE, disconnect the microphone or guitar, and turn the [SENS] knob to MIN in order to lower the input level.	-

Problem	What to check	Page
Noise or distortion occurs elsewhere than in the playback from your computer	<p>Could two or more audio devices such as the OCTA-CAPTURE or a mixer be connected to your computer?</p> <p>If you've connected a MIDI sound module via USB to the same computer as the OCTA-CAPTURE, and connected the MIDI sound module's output to the OCTA-CAPTURE's combo input jacks, noise from the computer may be heard from the OCTA-CAPTURE.</p> <p>Try connecting your MIDI sound module and the OCTA-CAPTURE to a self-powered USB hub (a USB hub that has an internal power supply or that uses an AC adaptor), or connect your MIDI sound module via a serial connection or via a MIDI interface.</p>	-
	<p>Have you connected the ground terminal?</p> <p>You may be able to solve the problem by grounding a metal component of your computer or the ground pin of your computer's AC adaptor. Also check whether there might be a device nearby that is emitting a strong electromagnetic field, such as a television or microwave oven.</p>	-
Recorded sound is too loud or too soft	<p>Is the input level appropriate?</p> <p>Use the OCTA-CAPTURE's [SENS] knob to adjust the input level. If your software is able to adjust the input level, check its input level setting.</p>	p. 37
Can't play or record	<p>Was the driver installed correctly?</p> <p>Driver installation may have failed. Reinstall the driver.</p> <p>-> "Reinstalling the Driver" (p. 73)</p>	p. 73
	<p>Do the sample rate settings match?</p> <p>The sample rate setting of your software must match the sample rate setting of the OCTA-CAPTURE itself.</p> <p>* After changing the sample rate setting of the OCTA-CAPTURE itself, you must close all software that uses the OCTA-CAPTURE and cycle the power to the OCTA-CAPTURE.</p>	p. 68
	<p>Is the OCTA-CAPTURE's sample rate set to a rate other than 192 kHz?</p> <p>If the OCTA-CAPTURE's sampling frequency is set to 192 kHz, the digital input/output connectors, INPUT 5–8, and OUTPUT 5–8 cannot be used.</p>	p. 68
	<p>Did you make input/output device settings for your software?</p> <p>Refer to the owner's manual of your software and to the following pages, and select the OCTA-CAPTURE as the input/output device.</p> <p>Windows 7/Windows Vista: "Input/Output Device Settings" p. 17</p> <p>Windows XP: "Input/Output Device Settings" p. 21</p> <p>Mac OSX: "Audio Input/Output Device Settings" p. 24</p> <p> "MIDI Input/Output Device Settings" p. 25</p>	
	<p>Could the OCTA-CAPTURE be in use by other software?</p> <p>Close all software that's currently running, disconnect the OCTA-CAPTURE's USB cable, and then reconnect it.</p> <p>If this does not solve the problem, reinstall the driver.</p> <p>-> "Reinstalling the Driver" (p. 73)</p>	p. 73

Problem	What to check	Page
Can't play or record	<p>Could the computer to which the OCTA-CAPTURE is connected have entered standby (suspend) mode, hibernate mode, or sleep mode?</p> <p>Close all software that uses the OCTA-CAPTURE, disconnect the OCTA-CAPTURE's USB cable, and then reconnect it.</p> <p>If this does not solve the problem, restart your computer.</p>	-
	<p>Could you have disconnected and reconnected the USB cable while using the OCTA-CAPTURE?</p> <p>Close all software that uses the OCTA-CAPTURE, disconnect the OCTA-CAPTURE's USB cable, and then reconnect it.</p> <p>If this does not solve the problem, restart your computer.</p>	-
	<p>Could you have connected or disconnected the USB cable during playback or recording, or switched off the OCTA-CAPTURE, then turned it back on again?</p> <p>If you disconnect and reconnect the USB cable during playback or recording, or switch off the OCTA-CAPTURE, then turn it back on again, the OCTA-CAPTURE may become unable to play back or record. Stop playback or recording, and then perform playback and recording again.</p> <p>If you are still unable to play back or record, close all applications that are using the OCTA-CAPTURE, and then turn the OCTA-CAPTURE's power off, then on again.</p>	-
	<p>Could the OCTA-CAPTURE have been connected when the computer started up?</p> <p>On some computers, the OCTA-CAPTURE may be unusable if it is already connected when the computer starts up.</p> <p>Start up your computer, and then connect the OCTA-CAPTURE.</p>	-
	<p>Try adjusting the audio buffer size of the driver</p> <p>If the size of the driver's audio buffer is too small, sound may not be produced, or it may be impossible to carry out normal playback and recording.</p> <p>In such cases, you should refer to "Driver Settings" (p. 69), and increase the size of the buffer.</p>	p. 69
Can't play or record 24-bit audio data	<p>Does your software support 24-bit audio data?</p> <p>Check whether the software you're using supports playback and recording of 24-bit audio data.</p>	-
	<p>Is your software set correctly?</p> <p>Make sure that your software is set to play and record 24-bit audio data.</p>	-

Problem	What to check	Page
Can't record via a digital connection / Something is wrong with the recorded sound	Is the digital input switch turned "on"? If you want to digitally capture audio data from a CD or MD into your computer, turn on the digital input switch to select digital input mode (p. 60).	p. 60
	Does the OCTA-CAPTURE's sample rate setting match the sample rate setting of the digital device from which you're trying to record? Set the OCTA-CAPTURE to the same sample rate as the device from which you're recording. If you switch the OCTA-CAPTURE's sample rate, you must cycle the power to the OCTA-CAPTURE in order to make the new setting take effect.	p. 68
	Is the OCTA-CAPTURE's system setting "DIGITAL" set correctly? If the OCTA-CAPTURE is not correctly synchronized with the digital signal that's being input to the digital input connector, the sync indicator will indicate "INT." In the Utility section, make sure that the "DIGITAL" setting is "AUTO." Also make sure that your digital device is correctly connected to the digital input connector, and that a digital signal is being input.	p. 60

Problems when Two Units are Connected

Problem	What to check	Page
ASIO or CoreAudio does not show the audio ports of the two units	Could a USB device other than the OCTA-CAPTURE units, a mouse, and a keyboard be connected? Make sure that all USB devices other than the OCTA-CAPTURE units, mouse, and keyboard are disconnected from your computer.	–
	Are both OCTA-CAPTURE units connected?	–
	Are the OCTA-CAPTURE's "VS EXPAND" settings correct? Set the first OCTA-CAPTURE unit's "VS EXPAND" to "OFF," and the second unit to "ON."	p. 60
	Have you used a coaxial cable to connect the second unit's OUT (9/10) to the first unit's IN (9/10)?	p. 63
	Is the OCTA-CAPTURE's system setting "DIGITAL" set to "AUTO"?	p. 60
	In the OCTA-CAPTURE control panel's "Driver Settings," check the "VS EXPAND" item. Check the connections as described in step 7 of "Connecting Two OCTA-CAPTURE Units" (p. 63).	p. 63
	Check the device set settings (Mac OS X). Check the Mac OS X settings as described in step 7 of "Connecting Two OCTA-CAPTURE Units" (p. 63).	p. 63
	Have you selected "OCTA-CAPTURES" as the audio setting in your DAW software? (Mac OS X)	p. 65

Problem	What to check	Page
Can't hear the monitor sound of the second unit	Could your headphones or monitor speakers be connected to the first OCTA-CAPTURE unit?	p. 63
	Could you have connected a coaxial cable from the second unit's OUT (9/10) to the first unit's IN (9/10)?	p. 63
	In the second unit's "PATCH BAY," is "DIRECT MIXER A" selected for "OUTPUT 9-10"?	p. 63
	In the second unit's "MIXER A," is the "MASTER VOLUME" slider for "INPUT MIXER/ OUTPUT MIXER" raised?	p. 63
	In the first unit's "PATCH BAY," is "DIRECT MIXER A" selected for "OUTPUT 1-2"?	p. 63
	In the first unit's "MIXER A," is the 9-10 slider raised? Is "PAN" set to 100%L for channel 9 and 100%R for channel 10?	p. 63
	Check the settings as described in "Settings for monitoring through headphones" (p. 66).	p. 66
Interruptions, dropouts, or other problems occur during the performance	Have you used a coaxial cable to connect the second unit's OUT (9/10) to the first unit's IN (9/10)? Dropouts and other problems will occur if the two units are not digitally synchronized. Check the connections as described in "Connecting Two OCTA-CAPTURE Units" (p. 63).	p. 63
	Try adjusting the driver's audio buffer size. If the driver's audio buffer size is too small, there might not be any sound, or playback/recording might not occur correctly. Try increasing the buffer size as described in "Driver Settings" (p. 69).	p. 69
	Could a USB device other than the OCTA-CAPTURE, a mouse, and a keyboard be connected? Disconnect all USB devices other than the OCTA-CAPTURE, a mouse, and a keyboard from your computer.	-
Can't change the sampling rate	Change the sampling rate using the procedure described in "Setting the sampling frequency" (p. 67).	p. 67
The message "MISMATCH CLOCK" appears in the OCTA-CAPTURE's display	The sampling frequency settings of the two OCTA-CAPTURE units do not match. Set the two units to the same sampling frequency, as described in "Setting the sampling frequency" (p. 67).	p. 67

Problems with SONAR LE

Problem	What to check	Page
Can't simultaneously record nine or more channels of audio	<p>In SONAR LE, the maximum number of channels that can be recorded simultaneously is limited to eight channels (four stereo pairs).</p> <p>If you want to record nine or more channels of audio simultaneously, you'll need to use a higher-level version of SONAR.</p>	–
Can't record or play back at 192 kHz	<p>SONAR LE is limited to a maximum sample rate of 96 kHz.</p> <p>If you want to record and play back at 192 kHz, you'll need to use a higher-level version of SONAR.</p>	–

Main Specifications

OCTA-CAPTURE : 10 × 10 Audio Interface

Number of Audio Record/ Playback Channels	Sampling Frequency = 44.1 kHz, 48 kHz, 96 kHz Record: 12 channels Playback: 10 channels
	Sampling Frequency = 192 kHz Record: 4 channels Playback: 4 channels
Signal Processing	PC interface: 24 bits
	AD/DA Conversion: 24 bits
	Internal: 40 bits
Sampling Frequency	AD/DA Conversion: 44.1 kHz, 48 kHz, 96 kHz, 192 kHz
	DIGITAL (IN/OUT): 44.1 kHz, 48 kHz, 96 kHz
Nominal Input Level	Combo input jacks 1–6 (XLR type): -56 to -6 dBu
	Combo input jacks 7–8 (XLR type): -50 to +0 dBu
	Combo input jacks 1–8 (1/4 inch TRS phone type): -46 to +4 dBu
Nominal Output Level	OUTPUT 1–8: +0 dBu (balanced)
Head Room	16 dB
Input Impedance	Combo input jacks 1–6 (XLR type): 5 k ohms (balanced)
	Combo input jacks 7–8 (XLR type): 10 k ohms (balanced)
	Combo input jacks 1–8 (1/4 inch TRS phone type): 17 k ohms (balanced)
	Combo input jacks 1–2 (1/4 inch TRS phone type, Hi-Z): 740 k ohms (unbalanced)
Output Impedance	OUTPUT 1–8: 1.8 k ohms (balanced)
	PHONES: 47 ohms
Frequency Response	192.0 kHz: 60 kHz to 90 kHz (+0/-8 dB)
	192.0 kHz: 20 Hz to 60 kHz (+0/-2 dB)
	96.0 kHz: 20 Hz to 40 kHz (+0/-2 dB)
	48.0 kHz: 20 Hz to 22 kHz (+0/-2 dB)
	44.1 kHz: 20 Hz to 20 kHz (+0/-2 dB)
Residual Noise Level	INPUT 1–2 → OUTPUT 1–2: -87 dBu typ. (GAIN: min., 600 ohms terminated, IHF-A) * Internal Direct mixer setting Stereo Link: ON, Input channel fader: Unity
Dynamic Range	AD block INPUT 1–8: 104 dB typ. (GAIN: min.)
	DA block OUTPUT 1–8: 113 dB typ.

Connectors	Combo input jacks 1–8	XLR type (balanced / phantom power +48 V) 1/4 inch TRS phone type (balanced) * INPUT 1 and 2 support high impedance
	COAXIAL IN (9/10) jack	
	COAXIAL OUT (9/10) jack	
	Headphones jack (Stereo 1/4 inch phone type)	
	OUTPUT jacks 1–8 (1/4 inch TRS phone type (balanced))	
	MIDI connectors (In, Out)	
	USB connector	
Interface	USB 2.0 (Hi-Speed)	
	Digital input/output	Coaxial type (conforms to IEC60958)
	MIDI IN/OUT	
Display	128 x 64 dots Graphic LCD (backlit LCD)	
Power Supply	DC 9 V (AC adaptor)	
Current Draw	1.45 A	
Dimensions	283.8 (W) x 157.9 (D) x 50.4 (H) mm 11-3/16 (W) x 6-1/4 (D) x 2 (H) inches	
Weight	1.32 kg / 2 lbs 15 oz	
Accessories	Owner's Manual Driver CD-ROM USB cable AC Adaptor Rack Mount Angle x 2 Cakewalk Production Plus Pack DVD-ROM	

* 0 dBu = 0.775 Vrms

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

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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 merkitä ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteenä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteen mukana.
- HU** Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjteni. Az ezzel a szimbómmal ellátott termékek 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. Produkty opatrzone tym symbolem nie można utylizować razem z odpadami domowymi.
- CZ** Tento symbol udává, že v zemích EU musí být tento výrobek sbíráán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhazovat spolu s domácími 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 vyhazovať spolu s domovým odpadom.
- EE** See sümbol näitab, et EL-i maades tuleb see toode olempriigist 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 jāievāc atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produkta ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.
- SI** Ta simbol označuje, da je treba proizvod v državi 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数。所谓环保使用期限是指在自制造日起的规定的期限内，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。

For the USA

DECLARATION OF CONFORMITY Compliance Information Statement

Model Name : UA-1010
Type of Equipment : USB Audio Interface
Responsible Party : Roland Corporation U.S.
Address : 5100 S. Eastarn Avenue, Los Angeles, CA 90040-2938
Telephone : (323) 890-3700

For the U.K.

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

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 C.A. US (Proposition 65)

WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.

