

Read this first

1 Check the package

As soon as you open the package, check to make sure all items have been included. If any are missing, please contact your dealer.

□ PCR keyboard



* The photo shows the PCR-500.

□ CD-ROM

This contains the PCR driver, editor, and Cakewalk LE Suite.



□ USB cable

This is used to connect the PCR to your computer.



□ Setup guide (this document)

Read this first. It takes you through the steps for connecting the PCR to your computer, and playing sound from your computer.



□ Owner's manual

This explains all the functionality of the PCR.



□ Roland software license agreement

You must read this before you unseal the included CD-ROM.



* In the interest of improvement, the appearance of this product and the included items are subject to change without notice.
* The software owner's manual and CD-ROM are not available for sale or replacement should you lose them. Please take care to keep them safe.

2 Get ready to connect your computer

In order to connect the PCR-300/500/800 (subsequently referred to as the PCR) to your computer and use it, you'll need to install the driver and make settings. First, you need to get ready for installation of the driver.

1 Make preparations

- ! Disconnect your USB devices**
Disconnect all USB cables from your computer except for a USB keyboard and/or USB mouse (if used). Don't connect the PCR to your computer yet.
- Close all software**
Close all software that's running on your computer, including background programs such as antivirus software.
- Log on to your computer using a user account that has administrative privileges**
In order to install the included software, you'll need to log on with a user account that has administrative privileges.

2 Choose the following step according to the operating system you're using

Windows

3 Connections and installation (Windows XP/2000)

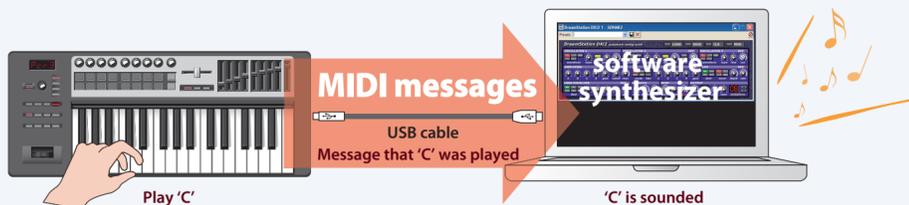
Mac

3 Connections and installation (Mac OS X)

What is MIDI?

MIDI (Musical Instrument Digital Interface) is a universal standard that allows electronic musical instruments and computers to exchange performance data.

MIDI makes it possible to convey, to another musical instrument, an ongoing description of exactly what's happening during a performance. For example, a C key on a keyboard has been pressed using a certain amount of velocity (volume), the instrument sound has been changed to "violin," the volume has been lowered, or the pitch has been raised and lowered. In other words, MIDI is a language that musical instruments can use to communicate with each other. Since MIDI messages are just signals that specify how a performance should occur, you'll need a MIDI sound generator (such as a software synthesizer) in order to produce sound in response to these messages.



In the illustration above, a MIDI message saying that "a 'C' note was played on the PCR" is transmitted via the USB cable to the software synthesizer running on the computer, and the software synthesizer responds by sounding the 'C' note.

Virtually all software synthesizers and DAW (Digital Audio Workstation) software in the world can use MIDI.
* DAW software collectively refers to music production software such as the included Cakewalk LE Suite.

You can use the PCR's keyboard to play software synthesizers, strike the pads to play a sampler, and use the sliders and knobs to control your DAW software as if you were using a mixer.

3 Connections and installation (Mac OS X)

In this step you'll install the PCR driver and PCR Editor into your Mac, and use GarageBand to check that installation was successful. PCR Editor is software that lets you use your Mac to create a control map (controller assignments) for the PCR.

1 Install the driver



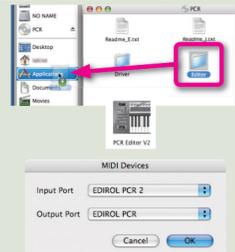
- 1 Insert the included CD-ROM into your Mac.
 - 2 Start up the installer for the Mac driver.
 1. On the desktop, double-click "PCR."
 2. Double-click the "Driver" folder.
 3. Double-click "PCRUSBDriver.pkg."
 - 3 Click [Continue] as directed in the "Install EDIROL PCR Driver" window.
 1. The "Install EDIROL PCR Driver" window will appear. Click [Continue] as directed in the window.
 2. When "Select a Destination" appears, select your boot partition and click [Continue].
 3. When "Easy Install on Macintosh HD" appears, click [Install] (or [Upgrade]).
If a confirmation dialog box appears, enter the password for your computer and click [OK].
 4. When the message "When you install this software ..." appears, click [Continue Installation].
 5. When the message "The software was successfully installed" appears, click [Restart] to restart your Mac.
- This completes installation of the driver.

2 Connect the PCR to your Mac



- 1 Connect the PCR to your Mac using the USB cable.
 1. Set the PCR's power switch (POWER) to the "OFF" position.
 2. Use the USB cable to connect the PCR to your Mac.
You must connect the PCR to a USB connector on the Mac itself. (Don't connect the PCR to the USB connector of your computer keyboard.)
 - 2 Turn on the power of the PCR.
 1. Set the PCR's power switch (POWER) to the "USB" position.
- The PCR is now connected to your Mac.

3 Install PCR Editor



- 1 From the CD-ROM, drag and drop the [PCR Editor V2] folder within the [Editor] folder into the [Applications] folder.
This completes installation of the PCR Editor.
 - 2 Start up PCR Editor.
 1. From the Mac Finder, navigate to the [Applications] — [PCR Editor V2] folder, and double-click PCR Editor V2.
 - 3 Make MIDI device settings.
 1. In PCR Editor, select the [Options] menu item [MIDI Devices...].
 2. In the MIDI Devices dialog box, make the settings shown in the illustration and then click [OK].
 - 4 Exit PCR Editor.
 1. From the [PCR Editor] menu, choose [Quit PCR Editor].
- This completes settings for PCR Editor.
For details on how to use PCR Editor, refer to "Using PCR Editor" in the owner's manual.

4 Use GarageBand to play sounds

! GarageBand is software included with Apple Computer Corporation's "iLife." If your application folder does not contain GarageBand, you'll need to purchase "iLife" separately.
In this guide, we'll use GarageBand 3 for our explanations. The procedure or screens may differ for other versions.

- 1 Start up GarageBand.
 1. From the Mac Finder, double-click [Applications] — [GarageBand].
 2. When GarageBand starts up, select the [File] menu command [New].
 3. Click "New music project."
 4. In the window for creating a "New project," type a name and click [Create].
 - 2 Play the keyboard of the PCR.
 1. When you play the keyboard of the PCR, you'll hear the Grand Piano sound that is assigned to the track in GarageBand.
- If you hear sound, the PCR and Mac are connected correctly.

4 Using the PCR in the way you want

? If you experience problems

If your system does not work as you expect, or if you don't hear sound, check the following items.

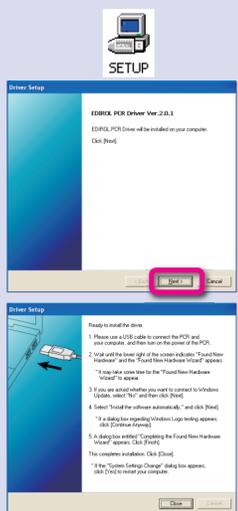
- No sound!**
 - **Is the PCR connected correctly?**
Re-connect the PCR's USB cable to your computer.
 - **Is the PCR's power switch set correctly?**
Make sure that the PCR's power switch is set to the USB position.
 - **Could the main volume of your Mac be turned down or muted?**
In "System Settings," choose Sound Output and increase the main volume or default muting.
 - **Is the sound output port set correctly on your Mac?**
In "System Settings," choose Sound Output and then select Internal Audio.
 - **Are you using headphones?**
Make sure that your headphones are correctly connected to the headphone jack of your Mac.
 - **Is an audio interface connected to your Mac?**
Refer to the owner's manual for your equipment to check whether the audio interface is set correctly.
- **There's no sound in applications other than GarageBand.**
Depending on the application you're using, you may need to specify MIDI and audio input/output settings. For MIDI input/output, select the PCR's MIDI device (port 1).
- **Try installing the most recent version of the driver.**
If the Roland website (<http://www.EDIROL.net>) has a more recent version of the driver, use the most recent version.
- Can't install the driver!**
 - **Could another USB device be connected?**
Be sure to disconnect all USB devices (other than a mouse and/or keyboard) when you perform the installation. When you connect the PCR, connect it directly to a USB connector located on the computer itself.
 - **Could other software or background software (such as antivirus programs) be running?**
The installation may not occur correctly if other programs are running. Be sure to exit all other programs before you perform the installation.

For more detailed information, refer to Troubleshooting in the owner's manual.

3 Connections and installation (Windows XP/2000)

In this step you'll install the PCR driver, PCR Editor, and SONAR LE into your Windows XP/2000 computer, then use SONAR LE to check that the installation was successful. PCR Editor is software that lets you use your computer to create a control map (controller assignments) for the PCR.

1 Prepare for the installation



- 1 Insert the included CD-ROM into your computer.
- 2 Start up the installer for the Windows driver.
 1. Choose [start] — [My Computer].
 2. Double-click "DVD/CD-ROM drive."
 3. Double-click the "DRIVER" folder.
 4. Double-click the "SETUP" icon within the "XP2K" folder.
- 3 Click [Next] as directed by the "Driver Setup" dialog box.
 1. The "Driver Setup" dialog box will open; click [Next] as directed in the screen.
 2. To begin the installation, click [Next] once again.

XP If a dialog box regarding Windows logo testing appears, click [Continue Anyway].

2000 If a dialog box with the message "Digital signature Not Found" appears, click [Yes].

If you are unable to continue, click the [OK] button, and then make driver signing settings (reference) and perform the installation once again.
3. A dialog box with the message "Ready to install the driver" will appear.

You are now ready to install the driver.

2 Install the driver and make connections



- 1 Connect the PCR to your computer using the USB cable.
 1. Set the PCR's power switch (POWER) to the "OFF" position.
 2. Use the USB cable to connect the PCR to your computer.
- 2 Turn on the power of the PCR.
 1. Set the PCR's power switch (POWER) to the "USB" position.
 2. The message "Found New Hardware" will appear near the taskbar, then the "Found New Hardware Wizard" will open.

XP If the Found New Hardware Wizard asks whether you want to connect to Windows Update, choose "No, ..." and then click [Next].

2000 If a dialog box with the message "Digital signature Not Found" appears, click [Yes].
- 3 Choose the installation method.
 1. Choose "Install the software automatically (Recommended)," and click [Next].

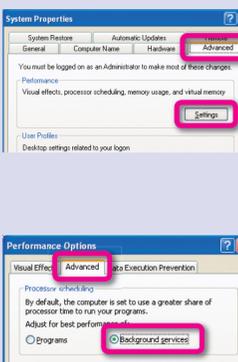
XP If a dialog box regarding Windows logo testing appears, click [Continue Anyway].
- 4 Click [Finish] to complete the installation.
 1. Make sure that "EDIROL PCR" is shown, and click [Finish].
 2. In the "Driver Setup" dialog box, click [Close].
 3. If the "Change System Settings" dialog box appears, click [Yes].
 4. Restart Windows.

This completes installation of the driver.

3 Make settings for background processing

To ensure that MIDI processing occurs smoothly, you'll need to make settings as follows so that background processing is given priority.

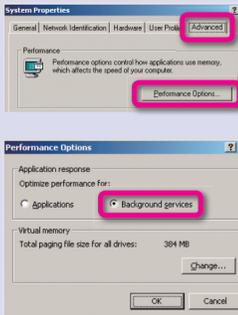
XP Windows XP users



- 1 Open the System Properties dialog box.
 1. Choose [start] — [Control Panel]. The "Control Panel" will open.
 2. If the screen indicates "Pick a category," click [Performance and Maintenance].
 3. From "or pick a Control Panel icon," click the [System] icon.
- 2 Open the System Properties dialog box.
 1. Click the "Advanced" tab, and in the "Performance" field, click [Settings].
- 3 Enable "Background services."
 1. Click the "Advanced" tab.
 2. In the "Processor scheduling" field, select the "Background services" option and click [OK].
 3. Click [OK] in the System Properties dialog box.

This completes settings for background processing.

2000 Windows 2000 users



- 1 Open the System Properties dialog box.
 1. Select [Start] — [Settings] — [Control Panel]. The control panel will appear.
 2. In "Control Panel," double-click the [System] icon.
- 2 Open the Performance Options dialog box.
 1. Click the "Advanced" tab, and in the "Performance" field, click [Performance Options].
- 3 Enable "Background Services."
 1. In the "Application response" field, add a check mark to [Background services], and click [OK].
 2. In the "System Properties" dialog box, click [OK].

This completes settings for background processing.

4 Install PCR Editor



- 1 In the [EDITOR] folder of the CD-ROM, double-click "SETUP."
 - 2 Click [Next] as instructed by the InstallShield wizard.
 1. When the "Read this" screen appears, read the contents, and if you consent, click [Yes] to indicate your agreement. If you do not consent, you will not be able to install the software.
 - 3 Choose destination location.
 1. If you are satisfied with the default location, click [Next]. If you want to install the software in a different location, click [Browse] and specify the desired location.
 2. In the "Confirmation of installation" screen, click [Next].
 - 4 Click [Finish] to complete the installation.
- This completes installation of PCR Editor.
- 5 Start up PCR Editor.
 1. In Windows, choose [start] — [All Programs] — [PCR Editor V2] — [PCR Editor V2].
 - 6 Make MIDI device settings.
 1. From PCR Editor's [Options] menu, choose [MIDI Devices...].
 2. In the MIDI Devices dialog box, make the settings shown in the illustration and click [OK].
 - 7 Exit PCR Editor.
 1. From the [File] menu, choose [Exit].
- This completes settings for PCR Editor.
For details on using PCR Editor, refer to "Using PCR Editor" in the owner's manual.

5 Install SONAR LE (for Windows XP users)

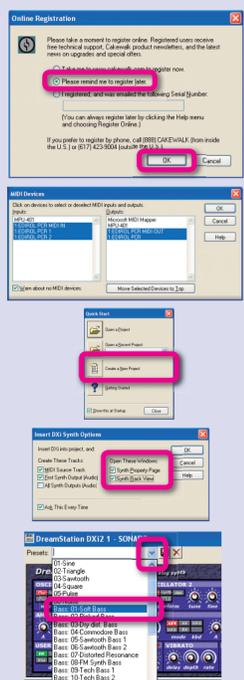


- 1 Within the CD-ROM, navigate to the [CAKEWALK] — [SONAR_LE] folder, and double-click "SETUP."
- 2 Proceed with the installation as instructed in the screen.
 1. In the "SONAR Multi-Language Installer" dialog box, choose [U.S. English] and click [OK].
 2. Click [Next] as instructed in the screen. In the "Register VST Plug-ins" screen, select "No, ..." and click [Next]. In the "Optional Installations" screen, check only "Windows Media Format ..." and click [Next].
- 3 Click [Finish] to complete the installation. When the installation is completed, SONAR LE will start up automatically.

6 Use SONAR LE to play sounds



If "Check audio devices (WDM Kernel Streaming)" occurs automatically the first time you start up, click [Yes]. If checking of audio devices was successful, click [Close]. For details, refer to the owner's manual of the audio device you're using.



- 1 Make settings at the first startup.
 1. Check the online activation.
 1. The "Online Registration" dialog box will appear. For this example, choose "Please remind me to register later," and click [OK]. You'll need to obtain a registration code within 30 days of installing SONAR LE.
 2. "Tip of the Day" will appear; click [Close].
 3. Make MIDI device settings.
 1. A dialog box with the message "No MIDI Outputs Selected" will appear, so click [Choose MIDI Outputs Now].
 2. In the "Inputs" field and "Outputs" field of the "MIDI Devices" dialog box, select the MIDI devices shown in the illustration.
 3. Click [OK] to close the "MIDI Devices" dialog box.
- 2 Create a new project.
 1. In the "Quick Start" dialog box, click [Create a New Project].
 2. In the "New Project File" dialog box, choose [Normal] and click [OK].
- 3 Insert a DXi synth.
 1. From the [Insert] menu, choose [DXi synth] — [DreamStation DXi2].
 2. In the "Insert DXi Synth Options" window, check the items shown in the illustration, and click [OK].
 3. If the "DreamStation DXi2—End User License Agreement" screen appears, click [Understood].
 4. In the "DreamStation DXi2" screen, click ▼ located beside Presets, and choose [Bass: 01-Soft Bass].
- 4 Play the keyboard of the PCR.
 1. When you play the keyboard of the PCR, you'll hear a bass sound. If you hear sound, the PCR is correctly connected to your computer.

? If you experience problems

If your system does not work as you expect, or if you don't hear sound, check the following items.

No sound!

- **Is the PCR connected correctly?**
Re-connect the PCR's USB cable to your computer.
- **Is the PCR's power switch set correctly?**
Make sure that the PCR's power switch is set to the USB position.
- **Could the volume of your computer be turned down or muted?**
In "Control Panel," choose "Sounds and Audio Devices" to open "Sounds and Audio Devices Properties." Select the "Volume" tab and adjust the "Device volume." If "Mute" is checked, uncheck it.

Are you using headphones?
Make sure that your headphones are correctly connected to the headphone jack of your computer.

Is an audio interface connected to your computer?
Refer to the owner's manual for your equipment to check whether the audio interface is set correctly.

You can play sounds, but something's wrong?

- **Is there a delay from when you play the note until you hear sound?**
From SONAR LE's [Options] menu, choose [Audio], and in the [Audio Options] window, adjust the [Mixing Latency] buffer size. Decreasing the buffer size (moving toward response speed) will shorten the time lag, but noise or crackles may occur if the buffer size is too small. Set this as low as possible without causing problems with the sound.
If you're using an external audio interface rather than the built-in sound functionality of your computer, refer to the owner's manual of the equipment you're using.

4 Using the PCR in the way you want

Read this section of the owner's manual!

Use control maps!

The PCR provides fifty controllers, and you can freely assign different MIDI messages to each controller. The MIDI settings you assign to these controllers are collectively called a "control map." You can use control maps to quickly and easily switch between settings that are suitable for a wide variety of software or settings you've made to perfectly match your own setup.



For details, refer to "Using control maps" in the owner's manual.

You can download the latest additional control maps from the following website.

Visit us online at www.EDIROL.net

Use PCR Editor!

PCR Editor makes it easy to assign messages to create a control map that's perfect for your own setup.

For details, refer to "Using PCR Editor" in the owner's manual.

Perform!

When you're playing the PCR as a keyboard, you can use numerous functions, such as layering two sounds (Dual), playing two different sounds (Split), or adjusting the strength (velocity) at which you strike the keys.

For details, refer to "Performing (PLAY mode)" in the owner's manual.

Use Cakewalk LE Suite!

In addition to the DAW software SONAR LE, the included CD-ROM also contains the Project 5 LE performance workstation, and the D-Pro LE software synthesizer (Windows versions only).

For details on using these, refer to the Help for each application.

Can't install the driver!

- **Could another USB device be connected?**
Be sure to disconnect all USB devices (other than a mouse and/or keyboard) when you perform the installation. When you connect the PCR, connect it directly to a USB connector located on the computer itself; don't connect it to a USB hub.
- **Could other software or background software (such as antivirus programs) be running?**
The installation may not occur correctly if other programs are running. Be sure to exit all other programs before you perform the installation.

For more detailed information, refer to Troubleshooting in the owner's manual.