RUPERT NEVE DESIGNS

Portico 5033 and 5043 plug-ins

based on VCM technology

steinberg

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Welcome

Congratulations and thank you for purchasing Rupert Neve Designs Portico plug-ins from Steinberg. The RND Portico plug-ins provide you the legendary sound of Rupert Neve's analog audio processors — paired with the digital elegance of a software plug-in.

For decades, the name Rupert Neve has been a synonym for high-quality analog sound, and some of the most important records in music history incorporate the unique sonic character of Rupert Neve's products. With the RND plug-ins, you can now access the landmark Rupert Neve sound on your digital audio workstation, including all the details and the analog warmth of the hardware counterparts.

To bring the analog characteristics into the digital domain, there was only one solution: Yamaha's VCM technology. VCM represents the most advanced modelling technology available today, allowing us to exactly reproduce the analog circuitry of the Portico hardware.

With more than 25 years experience in creating and distributing native audio solutions, Steinberg Media Technologies has taken over all final quality acceptance tests in order to guarantee the highest stability and compatibility with leading software applications such as Cubase, Nuendo and WaveLab. Combining Rupert Neve's knowledge in analog sound creation with Yamaha's excellence in digital engineering and Steinberg's long-term experience in software creation, the RND Portico plug-ins represent a milestone in analog sound modelling. They are perfectly tailored to professional producers, musicians and sound engineers who want to add the legendary warmth and richness of the original Rupert Neve sound to their productions.

Discover the legendary Rupert Neve sound! Don't forget to register at MySteinberg and get access to online support offers and additional exclusive services.

See you around! Your Steinberg Team

About the Portico Series

The Portico 5033 EQ is a five-band parametric equalizer, and the Portico 5043 Compressor is an analog compressor. Both hardware models are from Rupert Neve Designs (RND).

The Portico 5033 EQ has unique tone control characteristics and is heir to the rich history of the venerable 1073 EQ, which was developed by Rupert Neve. The input and output transformers were designed by Rupert Neve and enable this model to produce highly musical sound even when the EQ section is bypassed.

The Portico 5043 Compressor has the same input and output transformers designed by Rupert Neve as used in the Portico 5033 EQ. It has a natural, analog sound and feel and is suitable for everything from hard compression to natural sounds. It can handle a wide range of sources from drums to vocals. Its most unique feature is its gain reduction switching. You can switch between circuits for feed-forward gain reduction, the currently popular method of gain reduction, and feed-back gain reduction, the method of gain reduction used in vintage compressors. This allows you to produce different types of sounds for different situations.

To digitally emulate the Portico 5033 EQ /Portico 5043 Compressor, Yamaha received detailed technical documentation from RND, consulted directly with Rupert Neve, and used VCM technology to faithfully reproduce every characteristic.

About Virtual Circuitry Modeling (VCM)

VCM is a technology that enables you to model the elements of an analog circuit (such as resistors and capacitors). This technology was developed by the K's Lab engineering group at Yamaha, led by senior engineer Toshifumi Kunimoto, who also developed the first physical modeling synthesizers, VL1 and VP1.

Developers took the greatest care to reproduce not only the action of the circuitry correctly by modeling its elements, but also to create a true simulation of the analog sonic qualities of the original hardware.

Installation

In the following section, the installation process is described.

Minimum requirements

To use the RND Portico plug-ins, your computer must meet the following minimum requirements:

Windows

- Windows 7 (32-bit and 64-bit)
- 2 GHz processor (dual-core processor recommended)
- 1024 MB RAM
- 50 MB of free hard-disk space
- Windows-compatible audio hardware (ASIO-compatible audio hardware recommended for low-latency performance)
- Display resolution of 1280 x 800 pixels recommended
- VST 3 or VST 2.4 compatible host is required
- USB-eLicenser is required (not included)
- USB port for USB-eLicenser (license management)
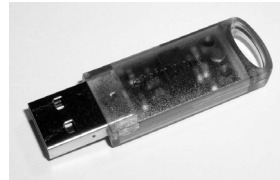- Internet connection required for license activation and registration

Mac OS X

- Mac OS X 10.6 (32-bit or 64-bit)
- Intel Core processor (Intel Core Duo recommended)
- 1024 MB RAM
- 50 MB of free hard-disk space
- CoreAudio-compatible audio hardware
- Display resolution of 1280 x 800 pixels recommended
- VST 3 or AU compatible host is required
- USB-eLicenser is required (not included)
- USB port for USB-eLicenser (license management)
- Internet connection required for license activation and registration

Copy protection

⚠ Please read the following section before installing your RND Portico plug-ins.

Many Steinberg products use the USB-eLicenser (also referred to as a "dongle"), a hardware copy protection device.

The USB-eLicenser is a USB device on which your Steinberg software licenses are stored. All hardware-protected Steinberg products use the same type of device, and you can store more than one license on one device. Also, licenses can (within certain limits) be transferred between USB-eLicensers – which is helpful, e. g., if you want to sell a piece of software.

In the eLicenser Control Center (which can be found on the Start menu on Windows systems or in the Applications folder on a Mac) you can check which licenses are installed on your USB-eLicenser.

⇨ If you are using other copy-protected Steinberg products, you may want to transfer all licenses for your applications to only one USB-eLicenser, thus using up only one USB port of your computer.

Steinberg software products always come with a license activation code, but not always with a USB-eLicenser:

- To activate a license for such a Steinberg software and store this license on a USB-eLicenser, click the "Enter Activation Code" button in the eLicenser Control Center and follow the instructions.

More information on the transfer or activation of licenses can be found in the help for the eLicenser Control Center.

Installing the software

Your product is supplied either on DVD or as a download.

▪ If you received your software on DVD, inserting the DVD will launch the Start Center automatically.
If no interactive Start Center appears, browse the DVD contents and double-click the file "Start_Center.exe" (Win) or "Start Center.app" (Mac).

▪ If you received your software as a download, double-click the downloaded file to unpack it.
Browse the downloaded contents and double-click the file "Start_Center.exe" (Win) or "Start Center.app" (Mac).

From the Start Center you can initiate the installation of the RND Portico plug-ins and browse through the additional options and information presented there.

The installation procedure puts all files in the right places, automatically.

In case you do not want to install your RND Portico plug-ins via the interactive Start Center, follow the procedure below.

Windows

1. Double-click the file "Setup.exe".

2. Follow the instructions on screen.

Macintosh

1. Double-click the file "Setup.mpkg".

2. Follow the instructions on screen.

License activation

Whether you received a 30-day trial version of the RND Portico plug-ins, or bought the full version: in both cases you must activate your license using the license activation code that you received with your version.

Proceed as follows:

1. After installation, make sure that your USB-eLicenser is connected to a USB port on your computer.

2. Open the eLicenser Control Center.
The eLicenser Control Center can be found on the Start menu on Windows systems or in the Applications folder on a Mac.

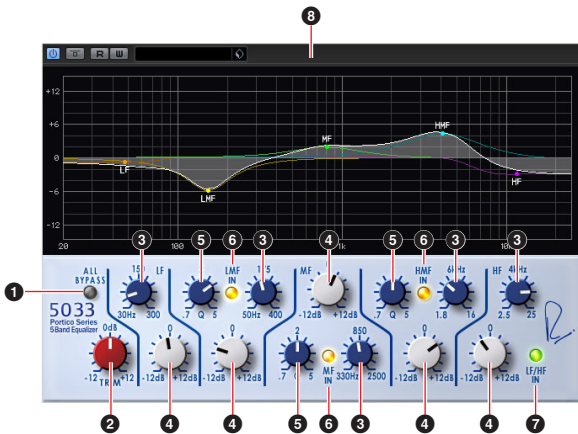3. Click the "Enter Activation Code" button.
A dialog opens, allowing you to enter your activation code and download your license.

Register your software

We encourage you to register your software! By doing so you are entitled to technical support and kept aware of updates and other news regarding Steinberg products.

To register your software, go to www.steinberg.net/mysteinberg, log in to the exclusive MySteinberg online customer portal and register your product by following the instructions on screen.

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Plug-in parameters

RND Portico 5033

Parameter	Description
❶ ALL BYPASS	Turns ON/OFF the EQ bypass.
❷ TRIM	Adjusts the input gain.
❸ LF/LMF/MF/HMF/ HF Frequency	Adjusts the frequency of each band.
❹ LF/LMF/MF/HMF/ HF Gain	Adjusts the gain of each band.
❺ LMF/MF/HMF Q	Adjusts the Q of each band.
❻ LMF/MF/HMF IN	Turns ON/OFF the EQ for LMF, MF, and HMF separately.
❼ LF/HF IN	Turns ON/OFF the EQ for LF and HF.
❽ Graphical Display	Displays the EQ characteristics visually. Drag the node of each band to control the frequency and gain. Drag with the [Alt]/[Option] button to control only the frequency, drag with the [Ctrl]/[Command] button to control only the gain, and drag with the [Shift] button to control the Q.

▪ When bypassing the Portico 5033/Portico 5043, the signal still passes through the virtual input/output transformers and the virtual amplifier circuits.

RND Portico 5043

Stereo

Mono

Parameter	Description
❶ IN	Turns ON/OFF the Compressor bypass.
❷ INPUT Meter	Displays the level of the input signal. When a mono track is assigned, a single meter is displayed. When a stereo track is assigned, two meters are displayed.
❸ FB	Switches the gain reduction system between the FF (Feed Forward) compression mode and the FB (Feed Back) compression mode. When FB mode is selected, the button is lit. FF compression mode is the popular compression method for modern compressors. Use this mode when you want to minimize changes in tone while firmly compressing the sound. FB compression mode is used in vintage compressors. Use this mode when you want to color sounds with the unique tone of the compressor while smoothly compressing them.
❹ GAIN REDUCTION Meter	Indicates the amount of gain reduction.
❺ THRESHOLD	Adjusts the threshold.
❻ RATIO	Adjusts the ratio.
❼ ATTACK	Adjusts the attack time.
❽ RELEASE	Adjusts the release time.
❾ GAIN	Adjusts the output gain.