RODENSTOCK

Rodenstock Photo Optics – a brand of the Qioptiq Photonics GmbH & Co. KG

Rodenstock eShutter
Instructions

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Contents

1. Introduction

Dear Customer,
By purchasing your lens in the Rodenstock eShutter you have chosen a modern, electronically controlled shutter solution that meets every requirement of modern view cameras in terms of preferences, ease of use and accuracy.

Whether working with a Mac or PC, the Rodenstock eShutter will in future represent an indispensable tool for every photographer. Download files are available for both operating systems on the website http://www.rodenstock-photo.com.

The Rodenstock eShutter offers all shutter preferences necessary for modern view cameras. Individual pre-setting of exposure bracketing in different exposure steps, pre-selection of the number and times of the exposures, and the pre-setting of delays makes the photographer's job considerably easier.

The Rodenstock eShutter is connected via cable to the eShutter control. Data transfer from the computer to the eShutter control is via USB cable, which also acts as a power supply for the shutter. An external power supply (external power supply unit or battery) is recommended for exposure rates of one image every 5 seconds or more. The shutter can be fully controlled from your computer, as well as by iPhone, iPod Touch or iPad via Wi-Fi the computer. (The App for this is available free of charge from the App Store.)

This offers the highest precision as well as ease of use, allowing the photographer to concentrate more on their creative output. Compared with mechanical shutters the Rodenstock eShutter offers considerably greater accuracy in exposure times and aperture, with clearly better results. The nearly circular aperture produces no irritating "lens flare" and thus significantly contributes to harmonious capture. Rodenstock Photo Optics offers all existing Rodenstock specialist lenses of shutter size 0 in eShutter.

Even used lenses (digital of analogue) can easily be converted for use with the eShutter. The Rodenstock eShutter is compatible with all commercially available digital backs, and can also control those that have to be initiated via an M-signal.

You can find detailed technical data on the Rodenstock eShutter on page 19 of these instructions.

2. eShutter System

2.1 Setting up

Connection:
Connect the eShutter control to the eShutter and to the computer via a USB cable.
As an option you can connect the power supply with the eShutter Control.

2.2 Plugs /connections I

A1 Connection for cable release
via Local Area Network (LAN)

A2 2,5mm jack for cable release, air/radio remote controling or other release tools.

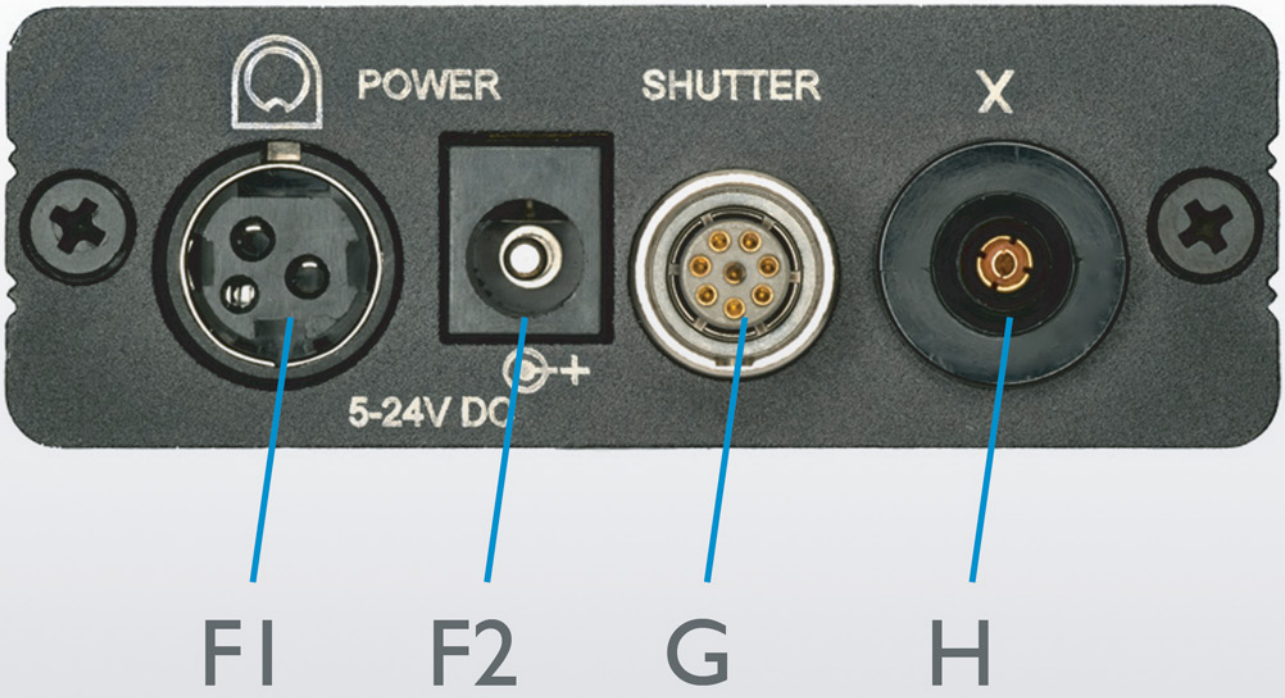
B Readiness indicator
green: the shutter is ready for action
red: if there is not enough power to make an exposure

C Serial interface with adapter for PC synch terminal
For connection of digital camera backs. Please use the settings of your digital back from the back instructions.

D USB port for the connection to a computer
This connection transmits the settings from the computer to the interface lens, interface box and to the eShutter. This connection also works as a power supply with low power.

IMPORTANT: Whenever you use the USB port for power supply this reduces the exposure rate. An exposure sequence of one image per second can only be archieved by using an external power supply.

2.3 Plugs / connections II



F1 DIN plug connection for external power supply

F2 Connection for external power supply with 5.5 2.1 mm cavity plug

IMPORTANT: The power supply must have an output between 5 and 24 volt. Power with a different output may damage the interface box and the eShutter. That will automatically void all warranties and guarantees of the Rodenstock equipment.

G Connection plug to the eShutter/lens

H X-contact for flash synchronization

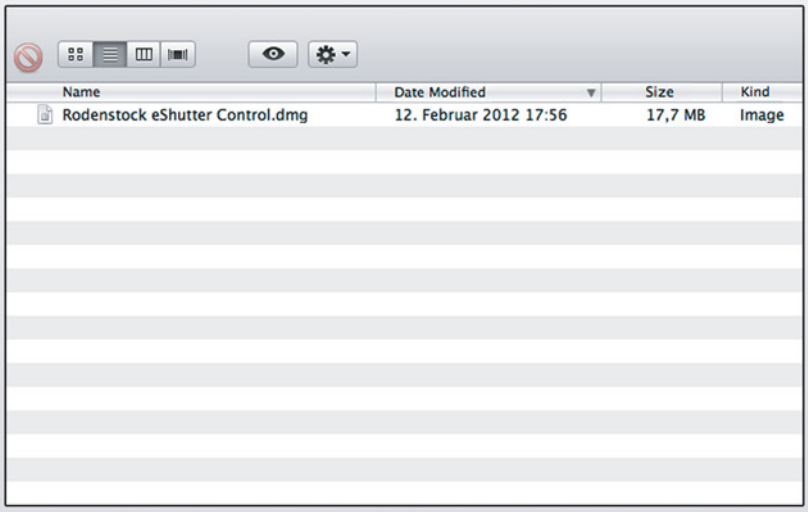
3. Installation

3.1 Installation Mac

For both Systems (Mac und Windows) you can download the files at the Rodenstock Website http://www.rodenstock-photo.com/en/main/download/professional-photography/

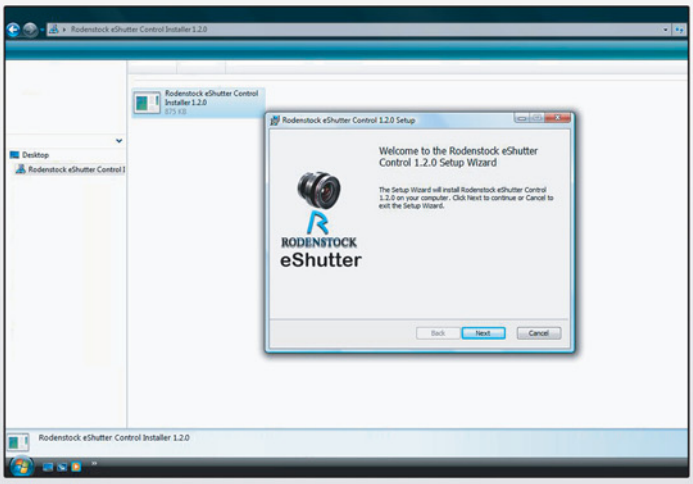
A

For the installation of the Rodenstock eShutter Control just double click on the Rodenstock eShutter Control.dmg



3.2 Installation Windows

For both Systems (Mac and Windows) you can download the files at the Rodenstock Website http://www.rodenstock-photo.com/en/main/download/professional-photography/

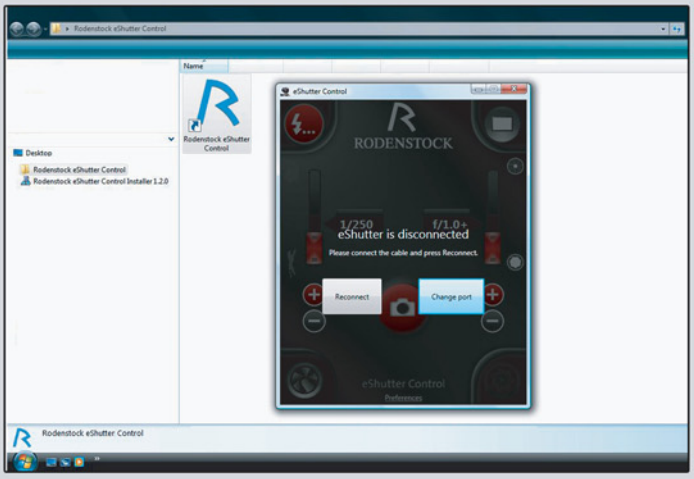


A

Open the Rodenstock eShutter Installer and follow the instructions.

B

To open the programm make a double click on the Rodenstock Icon. Connect the e-Shutter with your computer and install the driver.



C

The installation of the USB-driver starts automatically with the USB connection.

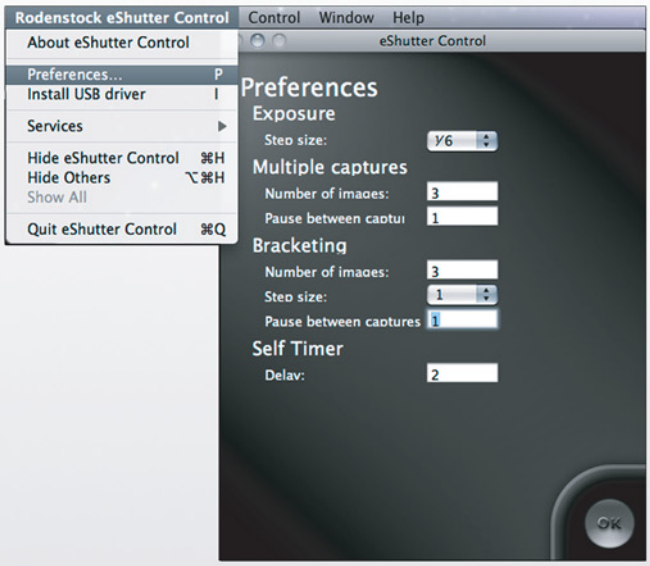
4. Software

4.1 Starting Software

The software automatically reads the corresponding specifications of the lens with the Rodenstock eShutter.

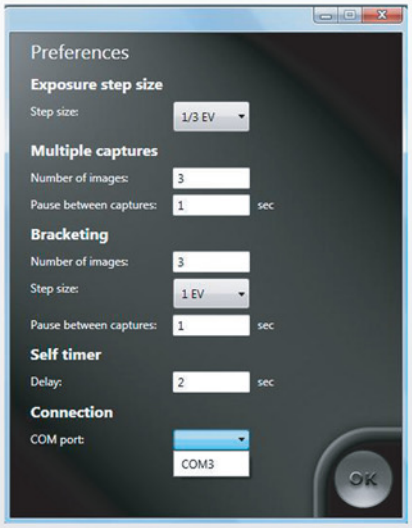
4.2 Software Preferences

MacMac



You can open the preferences via shortcut „p“ or via menu Rodenstock eShutter Control

Windows



You can open the preferences via shortcut „p“.

Exposure - Step Size

Exposure - Step Size Pre-setting the aperture steps on the shutter. The following aperture steps can be selected: 1/6, 1/3, 1/2, 1.

Multiple Exposures

Number of images:	Setting the number of exposures.
Pause between exposures:	Setting the length of the pause between each exposure. The pauses are calibrated in seconds.

Bracketing

Number of images:	Setting the number of exposures.
Step size:	Setting the steps for the exposure series. The following steps can be selected: 1/3, 1/2, 1, 2.
Pause between exposures:	Setting the pause between each exposure in seconds.

Self Timer

Pre-setting the delay between the activation of the shutter release button and the actual exposure.

5. Operation Elements

5.1 Flash Synchronization

The flash is triggered at the start of the exposure.

The flash is triggered at the end of the exposure.

With this setting the flash synchronization is switched off.

5.2 Exposure mode

Single exposure

Multiple exposures
Frequency and the delay time you can set up in the pre-ferences.

Bracketing
In the prefercences you can select the number of images and the bracketing range in f-stops.

Self Timer
The delay time you can set up in the preferences.

5.3 Aperture settings

Aperture full open for focusing

Working aperture to control the depth of field

Open the shutter

Close the shutter

Release button

5.4 Exposure Time

You can set the exposure time with the red slider or with + and - button.

The exposure time range is from 1/125 seconds to 32 seconds.

Slider for exposure time

exposure time up

exposure time down

5.5 Aperture values

The aperture values are set with the red slider or via the + and - button.

Slider for aperture setting

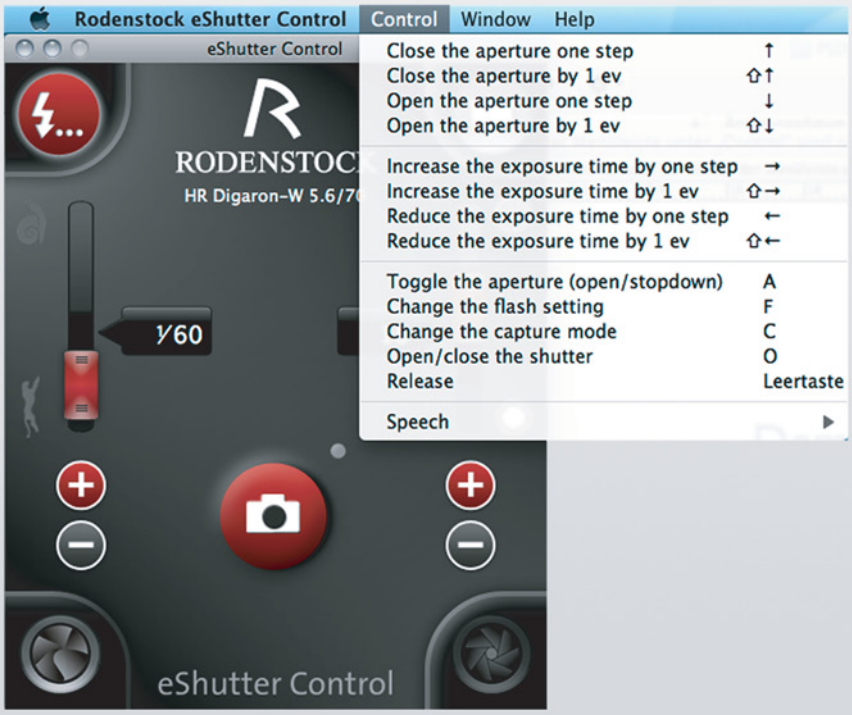
Aperture up

Aperture down

5.6 Shortcut Keys

All the 'Shortcut Keys' are listed under "CONTROL" in the menu.

These shortcut keys allow quick access to the functions, thus providing easy and efficient operation of the Rodenstock eShutter.



A	Toggle the aperture (open/stopdown)
F	Change the flash setting
C	Change the capture mode
O	Open/close the shutter
Leertaste: (Space)	Release
P	Open the preferences

Aperture

↑	Close the aperture one step
⇧↑	Close the aperture by 1 ev
↓	Open the aperture one step
⇧↓	Open the aperture by 1 ev

Exposure time

→	Increase the exposure time by one step
⇧→	Increase the exposure time by 1 ev
←	Reduce the exposure time by one step
⇧←	Reduce the exposure time by 1 ev

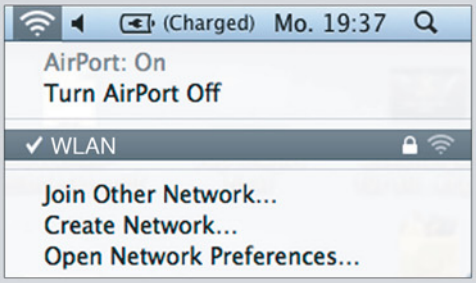
6. Operation via an Apple iPhone, iPad, iPod Touch

6.1 Connection to Mac

The successful App for operating the Rodenstock eShutter via an iPhone or an iPad is available free of charge in iTunes. The connection to the computer is to be established via a network setting, as follows:

A When a local network is available from the router:

Select the desired network under "Settings - Wi-Fi" on the iPhone or iPad. That will connect your iPhone or iPad with your local network. Control of the Rodenstock eShutter via the iPhone or iPad is now activated. IMPORTANT: The software in the computer must be activated first.

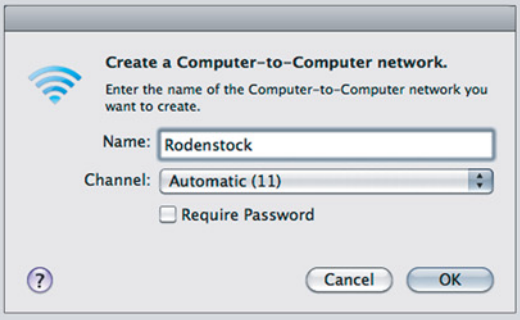


B Direct via WLAN, when a local network is not available.

1. In the menu, activate "Air Port", then select "set up new network."

2. Assign a name to the network that is to be set up and confirm it with "OK".

3. On the iPhone or iPad, under "General Settings – + Wi-Fi", call up the network that has just been set up.



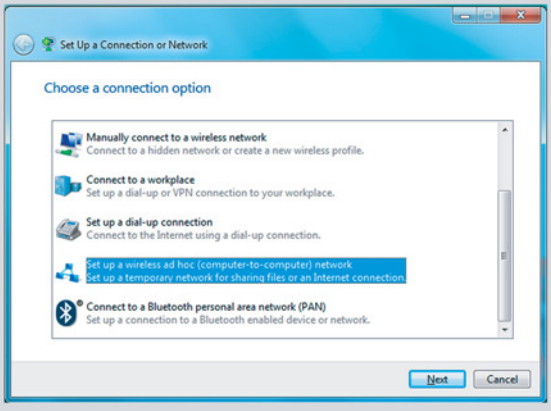
6. Operation via an Apple iPhone, iPad, iPod Touch

6.2 Connection to Computer

The successful App for operating the Rodenstock eShutter via an iPhone or an iPad is available free of charge in iTunes. The connection to the computer is to be established via a network setting, as follows:

A When a local network is available from the router:

Select the desired network under "Settings - Wi-Fi" on the iPhone or iPad. That will connect your iPhone or iPad with your local network. Control of the Rodenstock eShutter via the iPhone or iPad is now activated. IMPORTANT: The software in the computer must be activated first.



B Direct via WLAN, when a local network is not available.

1. In the menu, activate "Air Port", then select "set up new network."

2. Assign a name to the network that is to be set up and confirm it with "OK".

3. On the iPhone or iPad, under "General Settings – + Wi-Fi", call up the network that has just been set up.

6.3 The Rodenstock App

The App for operating the the Rodenstock eShutter via an iPhone is available free of charge in iTunes.

The link can also be found here.

The functions of the Rodenstock software are identical to the operation with your computer. The connection to the computer should be made via the network setting.

1. Set the computer for WLAN;
2. Start the software on the Computer (it may be activated in the background)

The Preferences are called up via this button. The settings are identical to those described in the software under Point 4.2

7. Technical Data

Exposure time	1/125 second to 32 seconds
Shutter Size	Size 0
Aperture/.f-stop steps	1/6, 1/3, 1/2, 1 f-stop steps
Shutter Activations	100‘000
Exposure Sequences	Max. 1,5 Exposure per second
Flash Synchronisation	X Contact, Early Synch., Late Synch., M Signal
Power Supply Studio	Main Power Supply 5-24 Volt DC
Power Supply Outdoors	via USB Cable or external
Shutter Control	Mac Computer / PC, iPhone, iPod Touch or iPad
Computer Connection	USB 2.0 Full Speed
Operating Temperatures	0-45 °C / 32-113 °F
Dimensions / Weight eShutter	Diameter 76 mm, /3 inch, Height 17 mm, 11/16 inch 270 grams / 7 ounces
Dimensions and Weight eShutter Control	15 mm, 69 mm, 25 mm, 270 grams / 9 1/2 ounces

8. Rodenstock eShutter Accessories:

Rodenstock eShutter	1029-001-000-20
Interface Box	1029-004-000-20
x-Adapter cable	1029-005-000-20
USB cable (5m)	1029-006-000-20

Contact:

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