

## ENGLISH

Thank you very much for purchasing a Sigma Lens. In order to get the maximum performance and enjoyment out of your Sigma lens, please read this instruction booklet thoroughly before you start to use the lens.

### DESCRIPTION OF THE PARTS (fig.1)

- Filter Attachment Thread
- Focus Ring
- Distance Scale
- Focus Index Line
- Zoom Ring
- ⓐ Focus Mode Switch
- ⓑ Mount
- ⓒ OS Switch
- ⓓ Lens Hood

### NIKON AF TYPE CAMERAS

This lens functions in the same way as a G Type auto-focus Nikon lens (without an aperture ring). Functions may be restricted depending on the lens/camera combination. For more details, please refer to the camera's instruction manual.

### PENTAX AF TYPE CAMERAS

This Lens functions same as a FAJ Type (type without Aperture) auto-focus Pentax lens. Depending on the combination with camera some restrictions with its functions may result. For more details, please refer to instruction manual of the camera in use etc.

### ATTACHING TO CAMERA BODY

When this lens is attached to the camera body it will automatically function in the same way as your normal lens. Please refer to the instruction booklet for your camera body.

- On the lens mount surface, there are a number of couplers and electrical contacts. Please keep them clean to ensure proper connection. To avoid damaging the lens, be especially sure to place the lens with its front end down while changing the lens.

### NOTICE

This lens is powered from the camera. The stabilizer unit will be placed to a specific position in the lens body and then shooting will be possible (stabilizer unit will switch to active status) regardless of the OS Switch position. The active status will take approximately a minute from turning the camera on or depressing the shutter button "half-way".

- The image in the viewfinder looks like it is vibrating after the camera is turned on or turned off. This is not a malfunction.
- If you fix the camera with the tripod or another method, please determine the composition when the stabilize unit is in the active status. The composition seen through the viewfinder will be different depending on the power status of the camera. If the active status is cancelled, please press the shutter button "half-way".

### SETTING THE EXPOSURE MODE

The sigma lens functions automatically after mounting to your camera. Please, refer to the camera instruction book.

### FOCUSING AND ZOOMING

For autofocus operation, set the focus mode switch on the lens to "AF" position.

If you wish to focus manually, set the focus mode switch on the lens to the "MF" position. You can adjust the focus by turning the focus ring.

- For Nikon, Pentax and Sony mounts, it is only possible to use AF with camera bodies which support built-in motors. AF will not function if the camera body does not support this type of motor.
- To avoid damaging AF mechanism, please do not turn the focus ring manually while in the autofocus mode.
- When operating this lens in manual focus mode, it is recommended that correct focus be confirmed visually in the viewfinder rather than relying on the distance scale. This is due to possible focus shift resulting from extreme changes in temperature which cause various components in the lens to expand and contract. Special allowance is made for this at the infinity setting.

### 《Zooming》

Rotate the Rubber grip on the zoom ring to the desired position.

### ABOUT OS (OPTICAL STABILIZER) FEATURES

This OS lens effectively compensates for image blurring caused by camera shake. Using the Optical Stabilizer function it is possible to get sharp results at shutter speeds approximately 4 stops slower than you could without using the OS function.

Set the OS switch to ON (fig.2). Press the shutter button halfway down, confirm the image in the viewfinder is stable then take the picture. (It takes approximately 1 second to produce a stable image from the time of depressing the shutter button halfway).

- Do not use the Optical Stabilizer in the following situations:
  - When the lens is mounted on a tripod.
  - When using the camera in Bulb mode.
- The Optical Stabilizer function is powered from the camera. If the OS lens is attached to your camera and activated, shooting capacity of your camera will be lower than with conventional lenses used with the same camera. If you are not using OS, please turn OFF the OS switch, in order to prevent unnecessary battery consumption.
- Be sure to turn the OS switch to the OFF position before attaching or detaching the lens to the camera.
- The OS continues to operate after you release your finger from the shutter button, as long as the exposure meter displays the exposure value. Never remove the lens or remove the camera's battery while the image stabilizer is operating as this could damage the lens.
- Although the viewfinder image may appear to shake immediately after shooting and/or at the start of the flash charge cycle of the camera's built-in flash, it will not cause any effect to the pictures.
- If the lens is detached from camera or the camera power is turned off while the OS function is in operation, the lens may emit a chattering noise, but this is not a malfunction.
- For Sony and Pentax mounts, it is only possible to use the OS function, incorporated in this lens, with camera bodies which support motors driven by ultrasonic waves such as HSM. When using the OS function, please turn off the optical stabilizer function of the camera body and set the OS switch of the lens to ON. When using the camera's optical stabilizer function, please set the OS switch of the lens to OFF and turn the camera's optical stabilizer function on.

### LENS HOOD

A bayonet type detachable hood is provided with the lens. This lens hood helps to prevent flare and ghosted images caused by bright illumination from outside the picture area. Attach the hood and turn clockwise until it stops rotation. (fig.3)

- When taking photographs using the built-in flash, it is advisable to remove the lens hood so as to avoid cutting off any of the flash output, which could cause a shadow in the picture.
- In order to place the lens and hood into the storage case, you must first remove the hood, then replace it on the lens in the reverse position. (fig.4)

### DEPTH OF FIELD SCALE

The depth of field scale helps you to check the depth of field (the zone of sharpness) of your composition. For example in figure (5), the depth of field zone is shown when the aperture F11 is used.

- The depth of field scale can be used at a focal length of 70mm only.

### FILTER

- Only one filter should be used at the time. Two or more filters and/or special thicker filters, like a polarizing filter, may cause vignetting.
- When using a polarizing filter with AF camera, use the "circular" type.

### BASIC CARE AND STORAGE

- Avoid any shocks or exposure to extreme high or low temperatures or to humidity.
- For extended storage, choose a cool and dry place, preferably with good ventilation. To avoid damage to the lens coating, keep away from mothballs or naphthalene gas.
- Do not use thinner, benzine or other organic cleaning agents to remove dirt or finger prints from the lens elements. Clean by using a soft, moistened lens cloth or lens tissue.
- This lens is not waterproof. When you use the lens in the rain or near water, keep it from getting wet. It is often impractical to repair the internal mechanism, lens elements and electric components damaged by water.
- Sudden temperature changes may cause condensation or fog to appear on the surface of the lens. When entering a warm room from the cold outdoors, it is advisable to keep the lens in the case until the temperature of the lens approaches room temperature.

### TECHNICAL SPECIFICATIONS

Lens construction	11 - 16	Magnification	1:3.9
Angle of View	34.3 - 8.2°	Filter Size	62mm
Minimum Aperture	22	Dimensions Dia. x Length	76.5 x 124mm (3.01 x 4.88 in)
Minimum Focusing Distance	1.5m (4.92ft)	Weight	610g (21.5oz)

Dimensions and weight include the SIGMA mount.

