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)

1. Filter Attachment Thread
2. Focus Ring
3. Distance Scale
4. Focus Index Line
5. Zoom Ring
6. Focus Mode Switch (except Nikon mount)
7. Mount
8. Lens Hood

DC LENS

These are special lenses that are designated for digital cameras because the lens image circle is designated to correspond to the size of the image sensors of most digital SLR cameras. The specialized design gives these lenses the ideal properties for digital cameras.

- An image sensor element larger than those corresponding to APS-C cannot be used in digital cameras or 35mm SLR cameras. If such an element is used vignetting will occur on the picture surface.
- If you use SD9, SD10 or SD14 digital cameras, corresponding angle of view will be 85-255mm.

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.

SETTING THE EXPOSURE MODE

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

FOCUSING AND ZOOMING

This lens features Sigma's built-in Hyper Sonic Motor (HSM). The HSM enables quick and quiet autofocusing.

《SIGMA AF and CANON AF》

For autofocus operation, set the focus mode switch on the lens to the "**AF**" position (fig.2). If you wish to focus manually, set the focus mode switch on the lens to the "**M**" position. You can adjust the focus by turning the focus ring.

《PENTAX AF and SONY》

For autofocus operation, set the camera to AF mode and set the focus mode switch on the lens to the "**AF**" position (fig.2). If you wish to focus manually, set the focus mode switch on the lens to the "**M**" position. You can adjust the focus by turning the focus ring.

《NIKON AF》

For autofocus operation, set the camera's focus mode to AF. If you wish to focus manually, set the camera's focus mode to "M" and adjust the focus by turning the focus ring.

- Please refer to camera's instruction manual for details on changing the camera's focusing mode.
- For Nikon, Pentax and Sony mounts, it is only possible to use AF with camera bodies which support motors driven by ultrasonic waves such as HSM. AF will not function if the camera body does not support this type of motor.
- This lens also permits manual focusing even in the autofocus mode. With the camera set to the One-Shot AF (AF-S) mode, it is possible to manually override the autofocus while the shutter release button is pressed halfway.
- 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.

FLASH PHOTOGRAPHY

The camera's built-in flash will cause barrel shadow if used with this lens. For best results, please only use an external flash unit.

ABOUT TELE CONVERTERS

The lens can be used with Sigma's 1.4x EX or 2.0x EX Apo Tele Converters (optional), becoming a 70-210mm F4 Autofocus telephoto zoom lens or a 100-300mm F5.6 Autofocus telephoto zoom lens respectively.

- Do not use other manufacturers' teleconverter's, only those listed above are compatible.
- We recommend the DG APO Tele-Converters when using with DSLR cameras.
- The Pentax mount Tele Converter is not compatible with this particular lens.
- In case of Sony AF mount, it is possible to use AF when attaching tele converters with a serial number above 5000001. AF will not work if the tele converter's serial number is lower than 5000001.

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)

- 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)

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	14 – 18
Angle of View	27.9 – 9.5°
Minimum Aperture	22
Minimum Focusing Distance	1m (3.28 ft)
Magnification	1:5.3
Filter Size	67mm
Dimensions Dia.×Length	76.5×140.2mm (3×5.52 in)
Weight	780g (27.5 oz)

Dimensions and weight include the SIGMA mount.