

Sigma 876306

Sigma APO Teleconverter 2x EX DG for Nikon Mount Lenses

Model: 876306

1. INTRODUCTION

The Sigma APO Teleconverter 2x EX DG is designed to extend the focal length of compatible lenses by a factor of two. This accessory is mounted between the camera body and the lens, effectively doubling the lens's reach. It is particularly useful for nature, wildlife, and sports photography, allowing photographers to capture distant subjects without physically moving closer.

This teleconverter features a multi-layer lens coating to minimize flare and ghosting, common issues in digital photography, ensuring high image quality. While it doubles the focal length, it also results in a two-stop loss of aperture. For example, a 300mm f/2.8 lens becomes a 600mm f/5.6 when used with this 2x teleconverter.

It is important to note that this teleconverter is designed to work optimally with large aperture Sigma DG series lenses. Compatibility with specific lenses should always be verified on the manufacturer's official website.

2. WHAT'S IN THE BOX

Upon opening the package, ensure all components are present and in good condition:

- Sigma APO Teleconverter 2x EX DG
- Front Lens Cap
- Rear Lens Cap
- Soft Case

3. SETUP AND INSTALLATION

Follow these steps to correctly attach the teleconverter to your lens and camera:

1. **Prepare Your Equipment:** Turn off your camera. Remove the rear lens cap from your primary lens and the body cap from your camera. Remove both caps from the teleconverter.
2. **Attach Teleconverter to Lens:** Align the mounting index (usually a red dot or white line) on the teleconverter with the corresponding index on your lens. Gently push the teleconverter onto the lens mount and rotate it clockwise (or counter-clockwise, depending on the mount) until it clicks securely into place.
3. **Attach Lens/Teleconverter Assembly to Camera:** Align the mounting index on the teleconverter with the corresponding index on your camera body. Gently push the assembled unit onto the camera mount and rotate it until it clicks securely into place.
4. **Verify Connection:** Ensure both connections are firm and secure before turning on your camera.

Removal: To remove the teleconverter, reverse the installation steps. First, detach the entire lens/teleconverter assembly from the camera, then detach the teleconverter from the lens. Always replace lens caps and body caps when not in use to protect the optical elements.



The Sigma APO Teleconverter 2x EX DG for Nikon Mount Lenses. This compact device doubles the focal length of compatible lenses.

4. OPERATING INSTRUCTIONS

Using the Sigma APO Teleconverter 2x EX DG effectively requires understanding its optical properties:

- **Focal Length Multiplication:** The teleconverter doubles the focal length of the attached lens. For example, a 70-200mm lens becomes a 140-400mm lens.
- **Aperture Loss:** There is a two-stop loss of aperture when using this 2x teleconverter. This means an f/2.8 lens will effectively become an f/5.6 lens. Adjust your camera's ISO or shutter speed accordingly, especially in low-light conditions.
- **Autofocus Performance:** Autofocus speed and accuracy may be affected, particularly with lenses that have a slower maximum aperture or in challenging lighting conditions. Some camera bodies may lose autofocus capability if the effective maximum aperture becomes too slow (e.g., f/8 or higher). In such cases, manual focus may be necessary.
- **Image Stabilization:** If your lens features Optical Stabilization (OS), it will generally continue to function with the teleconverter, helping to reduce camera shake at longer focal lengths.
- **Optimal Use:** For best results, especially at extended focal lengths, using a sturdy tripod is highly recommended to minimize blur from camera movement.

Official manufacturer video demonstrating the features and use of the Sigma APO Teleconverter 2x EX DG. This video provides a visual guide to its application and benefits.

5. MAINTENANCE

Proper care and maintenance will ensure the longevity and optimal performance of your teleconverter:

- **Cleaning Lens Surfaces:** Use a soft, clean microfiber cloth specifically designed for optical lenses. For stubborn smudges, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens. Avoid touching the glass elements with your fingers.
- **Cleaning Body:** Wipe the exterior of the teleconverter with a dry, soft cloth. Do not use organic solvents or strong cleaning agents.
- **Storage:** Always attach the front and rear caps when the teleconverter is not in use. Store it in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, consider using a desiccant to prevent mold growth.
- **Avoid Impact:** Handle the teleconverter with care to prevent drops or impacts, which can damage the optical elements or internal mechanisms.

6. TROUBLESHOOTING

If you encounter issues while using your teleconverter, consider the following:

- **Teleconverter Not Attaching:** Ensure proper alignment of the mounting indexes on both the lens and camera. Verify that your lens is compatible with the teleconverter. Some lenses, particularly those with protruding rear elements, may not physically fit.
- **Autofocus Not Working or Slow:** This is a common effect of teleconverters due to the reduced effective aperture. Check your camera's manual for its autofocus sensitivity limits (e.g., many cameras struggle with

autofocus at f/8 or slower). In low light or with slower lenses, switch to manual focus.

- **Soft Images:** Reduced sharpness can occur due to the optical design of teleconverters, especially when used with non-optimal lenses or at wide apertures. Try stopping down the aperture (e.g., from f/5.6 to f/8) to improve sharpness. Ensure you are using a fast enough shutter speed or a tripod to prevent camera shake.
- **Exposure Issues:** The camera's metering system should automatically compensate for the two-stop light loss. If you experience consistent over or underexposure, check your camera's metering mode and exposure compensation settings.

7. SPECIFICATIONS

Feature	Detail
Brand	Sigma
Model Name	876306
Lens Type	Teleconverter
Compatible Mountings	Nikon AF
Focal Length Description	12 millimeters (effective)
Maximum Focal Length	6 millimeters (effective)
Minimum Focal Length	2 millimeters (effective)
Lens Design	Prime
Focus Type	Auto Focus (performance may vary)
Lens Coating Description	Multi-layer coating
Zoom Ratio	2:1
Image Stabilization	Digital (refers to camera body or lens OS)
Real Angle Of View	46.81 degrees
Color	Black
Item Weight	234 g
Water Resistance Level	Not Water Resistant

8. WARRANTY AND SUPPORT

This Sigma APO Teleconverter 2x EX DG comes with a 1 Year Limited Warranty from the manufacturer, Sigma Corporation of America. For specific warranty claims or technical support, please contact Sigma customer service.

Legal Disclaimer: SERIAL #4029669 FULL 14 DAY NO HASSLE SATISFACTION GUARANTEE. This statement refers to a specific seller's return policy and is separate from the manufacturer's warranty.

For the most up-to-date compatibility charts and additional product information, please visit the official Sigma website.

