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› Sigma 2.0x Teleconverter TC-2001 User Manual

Sigma 870955

Sigma 2.0x Teleconverter TC-2001 User Manual

Model: 870955

Brand: Sigma

PRODUCT OVERVIEW

The Sigma 2.0x Teleconverter TC-2001 is an optical accessory designed to extend the focal length of compatible Sigma lenses by a factor of 2.0x. This teleconverter is specifically engineered for Nikon DX, FX, and F mounts, providing enhanced reach for distant subjects while maintaining high image quality.



Image: The Sigma 2.0x Teleconverter TC-2001, a compact black cylindrical device with mounting rings visible. It features "TELE CONVERTER 2x TC-2001" text on its side.

KEY FEATURES

- **2.0x Magnification:** Doubles the effective focal length of the attached lens.
- **SLD Glass Elements:** Incorporates Special Low Dispersion (SLD) glass to minimize chromatic aberrations and ensure high optical performance.
- **Dust and Splash-Proof Construction:** Designed for durability and reliability in various shooting conditions.
- **Compact and Lightweight Design:** Easy to carry and integrate into your camera kit.
- **Precise Aperture Markings:** Allows for accurate control over exposure settings.
- **Smooth Focus Scale:** Aids in precise manual focusing.

SETUP AND INSTALLATION

To attach the Sigma 2.0x Teleconverter TC-2001 to your camera and lens, follow these steps:

1. Ensure both your camera and lens are powered off.
2. Remove the rear lens cap from your primary lens and the front cap from the teleconverter.
3. Align the mounting index marks (usually a white dot or red dot) on the teleconverter with those on your lens.
4. Gently attach the teleconverter to the lens, twisting it clockwise until it clicks securely into place.
5. Remove the rear cap from the teleconverter.
6. Align the mounting index marks on the teleconverter with those on your camera body.
7. Gently attach the teleconverter and lens assembly to the camera body, twisting it clockwise until it clicks securely into place.
8. To detach, reverse the process, pressing the lens release button on the camera body first, then the teleconverter release button on the lens.



Image: The Sigma 2.0x Teleconverter TC-2001 stored inside its black, zippered protective case, highlighting its compact design and portability.

OPERATING INSTRUCTIONS

The TC-2001 effectively doubles the focal length of the attached lens. For example, a 300mm lens will become a 600mm lens when used with this teleconverter.

Aperture Considerations

When using the 2.0x teleconverter, the effective aperture of your lens will be reduced by two stops. For instance, a lens with a maximum aperture of $f/2.8$ will become $f/5.6$. This reduction in light gathering capability should be considered when shooting in low-light conditions or when a fast shutter speed is required.

Autofocus Performance

Autofocus performance may be affected, especially with lenses that have a slower maximum aperture. In some cases, manual focus may be necessary to achieve precise focus. Refer to your lens and camera manuals for specific compatibility and performance details.

Image Quality

While designed to maintain high image quality, the addition of a teleconverter can sometimes introduce minor optical imperfections. For optimal results, use the teleconverter with high-quality, compatible Sigma lenses.

Product Overview Video

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Video: A product overview video demonstrating the unboxing and key features of the Sigma 2.0x Teleconverter TC-2001, including its compact design, SLD glass, and dust/splash-proof construction.

MAINTENANCE AND CARE

- Keep the teleconverter caps on when not in use to protect the optical elements from dust and scratches.
- Use a soft, lint-free cloth to clean the exterior of the teleconverter.
- For lens elements, use a lens cleaning solution and a microfiber cloth specifically designed for optics. Avoid touching the glass surfaces with bare hands.
- Store the teleconverter in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid exposing the teleconverter to excessive moisture or dust.

TROUBLESHOOTING

Poor Image Quality

- **Check Compatibility:** Ensure your lens is compatible with the TC-2001.
- **Clean Elements:** Dust or smudges on the teleconverter or lens elements can degrade image quality. Clean them carefully.
- **Lighting Conditions:** Teleconverters reduce effective aperture, requiring more light. Shoot in well-lit conditions or adjust ISO/shutter speed accordingly.
- **Tripod Use:** For maximum sharpness, especially at longer focal lengths, use a sturdy tripod.

Autofocus Issues

- **Insufficient Light:** Low light conditions can hinder autofocus performance, especially with the reduced effective aperture.
- **Lens Aperture:** Some lenses may not support autofocus with a 2.0x teleconverter if their maximum aperture becomes too slow (e.g., slower than f/8).
- **Switch to Manual Focus:** If autofocus struggles, switch to manual focus for precise control.

SPECIFICATIONS

Feature	Detail
Model	TC-2001 (870955)

Magnification	2.0x
Compatible Mountings	Nikon F (Nikon DX, FX, and F mounts)
Optical Construction	Features SLD Glass
Dimensions (L x W x H)	2.75 x 2.75 x 1.93 inches
Weight	10.2 ounces
Environmental Resistance	Dust and Splash-Proof

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Sigma website or the comprehensive user manual provided with your product.

An electronic version of the user manual is available for download:[Sigma TC-2001 User Manual \(PDF\)](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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