VILTROX C-AF 2X II

VILTROX C-AF 2X II Teleplus Auto Focus 2.0X Teleconverter User Manual

Model: C-AF 2X II

1. INTRODUCTION

The VILTROX C-AF 2X II Teleplus Auto Focus 2.0X Teleconverter is designed to extend the focal length of compatible Canon EF mount lenses by a factor of 2.0x. This accessory allows photographers to achieve greater magnification for distant subjects while maintaining auto-focus functionality and optical quality. It features a robust design with multi-coated optical elements to minimize aberrations and an integrated USB port for firmware updates.

2. PRODUCT OVERVIEW

The C-AF 2X II Teleplus incorporates 4 groups and 7 optical elements to ensure high image quality. Its design supports the lens's auto-focus function, allowing for flexible and accurate subject tracking. Optimized lens coatings help to minimize ghosting and flare, enhancing image clarity.

2.1 Components

This diagram labels the key components: Camera Mount Index, Optical Glass, Contactor (camera end), USB Upgrade Port, Lens Release Button, Contactor (lens end), and Lens Mount Index.

Camera Mount Index

Optical Glass

Contactor(camera end)

Optical Glass

USB Upgrade Port

Lens Release Button

Contactor(len end)

Lens Mount Index

A side view of the teleconverter, showing the model designation 'C-AF 2XII TELEPLUS' and a red alignment dot.

The front view of the teleconverter, illustrating the camera-side mount with its electronic contacts for communication with the camera body.

The rear view of the teleconverter, displaying the lens-side mount, the internal optical elements, and the electronic contacts for connection to the lens.

2.2 Key Features

- **2.0X Focal Length Magnification:** Increases the focal length of compatible Canon EF lenses by two times.
- **Auto Focus Support:** Maintains auto-focus functionality for precise and rapid focusing.
- **Optimized Optics:** Features 4 groups and 7 elements with multi-coatings to reduce ghosting and flare.
- **USB Firmware Upgrade:** Equipped with a Micro USB port for future firmware updates, ensuring compatibility and performance improvements.
- **Aperture Adjustment:** Includes an aperture adjustment lever for quick control.

3. Setup and Installation

3.1 Compatibility

This teleconverter is compatible with Canon EF mount lenses. Please note that it is primarily designed for fixed focal length L-series lenses 100mm and over, as well as specific zoom lenses:

- EF 70-200mm f/2.8L
- EF 70-200mm f/2.8L IS
- EF 70-200mm f/4L
- EF 100-400mm f/4.5-5.6L

Ensure your lens is listed or meets the general criteria for optimal performance.

3.2 Attaching the Teleconverter

1. Ensure your camera is powered off.
2. Remove the lens from your camera body.
3. Align the red dot on the teleconverter with the red dot on your camera body. Attach the teleconverter to the camera body by twisting it clockwise until it clicks into place.
4. Align the red dot on your compatible lens with the red dot on the teleconverter. Attach the lens to the teleconverter by twisting it clockwise until it clicks into place.
5. Power on your camera.

An illustration of the teleconverter mounted between a Canon DSLR camera and a telephoto lens, demonstrating the

4. OPERATING INSTRUCTIONS

4.1 Auto Focus Functionality

The VILTROX C-AF 2X II Teleplus supports the auto-focus function of your Canon EF lens. This allows the camera to automatically focus on subjects, even with the increased focal length. The teleconverter is designed to provide fast and accurate auto-focus performance, enabling effective tracking of moving subjects.

4.2 Aperture and Exposure

When using the 2.0x teleconverter, the effective aperture of your lens will be reduced by two stops. For example, an f/2.8 lens will become an f/5.6 lens. The exposure factor is approximately 4 times. You can adjust the aperture using the dedicated lever on the teleconverter or through your camera's controls, depending on your lens and camera model.

4.3 Magnification with Multiple Teleconverters

For advanced users, it is possible to stack two C-AF 2X II Teleplus adapters to achieve a 4x magnification. This will further reduce the effective aperture and may impact auto-focus performance. Experimentation is recommended for this configuration.

An illustration demonstrating the possibility of stacking two teleconverters for a combined 4x magnification.

5. MAINTENANCE

5.1 Cleaning

To clean the optical elements, use a soft, lint-free cloth specifically designed for camera lenses. Gently wipe away dust or smudges. Avoid using harsh chemicals or abrasive materials that could damage the coatings. For the exterior, a dry, soft cloth is sufficient.

5.2 Firmware Updates

The teleconverter features a Micro USB port for firmware updates. Periodically check the VILTROX official website for the latest firmware versions. Updating the firmware can improve compatibility, enhance performance, and fix

potential bugs.

A close-up view of the Micro USB port, used for connecting the teleconverter to a computer for firmware updates.

6. TROUBLESHOOTING

- **Auto Focus Issues:** If auto-focus is slow or inconsistent, first verify that your lens is compatible with the teleconverter (refer to Section 3.1). Ensure all contacts on both the teleconverter and your lens/camera are clean and free of dust or debris. A firmware update may also resolve compatibility issues.

- **Image Quality Concerns:** If images appear soft or lack sharpness, ensure proper focus. Remember that a 2.0x teleconverter will magnify any existing optical imperfections of the primary lens. Using a tripod and appropriate shutter speeds can help mitigate blur.

- **Battery Drain:** Some users have reported that the teleconverter may consume power even when the camera is turned off. To prevent potential battery drain, it is recommended to detach the teleconverter from the camera body when not in use for extended periods.

- **Mounting Problems:** If the teleconverter does not attach smoothly, ensure correct alignment of the red dots and avoid forcing the connection. Check for any obstructions or damage to the mounts.

7. SPECIFICATIONS

Model	C-AF 2X II Teleplus
Focal Length Multiplier	2.0x
Optical Construction	7 elements in 4 groups
Exposure Factor	Approx. 4 (equivalent to 2 aperture stops)
Compatible Mountings	Canon EF
Auto Focus	Supported
Firmware Upgrade Port	Micro USB
Product Dimensions	2.01 x 2.68 x 2.68 inches (5.1 x 6.8 x 6.8 cm)
Item Weight	7 ounces (198 grams)

8. WARRANTY AND SUPPORT

VILTROX is committed to providing quality products and customer satisfaction. For warranty information, technical support, or service inquiries, please refer to the official VILTROX website or contact their customer service department. Regular firmware updates are released to enhance product performance and compatibility, which can be accessed via the product's USB port.

Related Documents - C-AF 2X II

VILTROX **AF 135/1.8 LAB Z** Z-mount	[VILTROX AF 135/1.8 LAB Z Lens: Features, Specifications, and Manual](#) Comprehensive guide to the VILTROX AF 135/1.8 LAB Z Z-mount camera lens, covering features, identification of parts, functions, handling, safety, and technical specifications.
VILTROX **AF 135/1.8 LAB Z** Z-mount	[Viltrox AF 135/1.8 LAB Z Lens: Manual and Specifications](#) Comprehensive guide to the Viltrox AF 135/1.8 LAB Z Z-mount camera lens, covering features, operation, safety, and technical specifications.
VILTROX **AF 135/1.8 LAB FE** E-mount	[Viltrox AF 135/1.8 LAB FE E-mount Lens - User Manual](#) User manual for the Viltrox AF 135/1.8 LAB FE E-mount lens, detailing features, specifications, usage instructions, and safety notes.
	[Viltrox AF 23mm f/1.4 XF and Z Mount Camera Lens Specifications](#) Comprehensive technical specifications, features, and performance data for the Viltrox AF 23mm f/1.4 camera lenses designed for Fujifilm X and Nikon Z mounts, including MTF charts and optical design details.
	[VILTROX EF-FX1 Pro Auto Focus Mount Adapter for Canon EF to Fuji X Cameras](#) The VILTROX EF-FX1 Pro is an auto-focus mount adapter designed to connect Canon EF/EF-S lenses to Fuji X-mount mirrorless cameras, expanding lens compatibility. Features include aperture control, firmware updates, and electronic contacts for seamless operation.

[Viltrox AF 50/2.0 Z Lens Manual and Specifications](#)
Comprehensive guide for the Viltrox AF 50/2.0 Z lens, covering features, attachment, detachment, lens hood usage, construction, MTF graphs, safety notes, tips, cleaning, and detailed specifications for Z-mount cameras.