Nikon G > Canon EF Adaptor V3

This adaptor enables all Nikon G Series lenses (14-24mm, 16-35mm, 24-70mm, 10.5mm fisheye, 200-400mm, 70-300mm VR, etc) to be used on all Canon EF and EF-S mount bodies. As well as being a mount interface, it permits mechanical control of the lens' aperture diaphragm by means of the lever located above the stop-down button. The current version, manufactured to our exacting specification by Novoflex, is the culmination of several years' research: we believe it is the highest quality adaptor money can buy.

Installation

• Remove the weatherproofing from the lens, as shown (right), by pulling it gently from its constraining channel. The gasket is affixed by compression in a groove, and is not attached with adhesive or fixings. Alternatively, the gasket can be trimmed so that it lies flush with the mounting face. It is possible to use the V3 adaptor without removing the gasket, but operation of the lever will have an uncomfortably high degree of resistance.

• Mount the adaptor to the lens by aligning the adaptor's red indicator to the lens' white dot and rotate until the catch engages. Do not mount the adaptor on the body and try to attach the lens to the adaptor. The Nikon lens can now be used just like a manual focus Canon lens.

Operation

The desired aperture is selected by adjusting the lever. All apertures (diaphragm positions) can be set steplessly. Please note that stop-down metering operation is required, preferably in Av Mode.

AF Confirmation / Comms Chip Programming

The V3.1 adaptor features a programmable contact board that allows electronic communication between the camera and the lens. Strictly, it satisfies error checking routines that permit the Canon body to behave as it would with a Canon lens: autofocus confirmation is verified through the lens by in-body sensors, and information about the lens is embedded in EXIF.

With a Canon lens, complex systems report distance, aperture and focal length data. Translation of all this data from a Nikon lens to a Canon body is beyond the remit of this product. However, the chip is programmable with a single focal length and aperture setting to enable accurate metering, lens-by-lens micro-adjustment with appropriately specified cameras, and easy identification of captures in post-production. The chip is 'programmed' by entering data using aperture settings and the shutter button.

First make sure that your camera is set to 1/3 stop increments for exposure adjustment, set the camera to 'M' (manual aperture mode) and dial the shutter speed to 1/60th second.

Attach the adapted lens to the Canon body and **enter the chip's programming mode with the following four-step sequence:**

    1 • Set aperture to f64 + fire shutter
    2 • Set aperture to f57 + fire shutter
    3 • Set aperture to f64 + fire shutter
    4 • Set aperture to f1.0 + fire shutter

To specify the focal length, set the aperture to f2.2 + fire shutter. Now enter a five-digit number – for instance, you might represent the 14-24mm f2.8 G lens with a median value such as '00019' (19mm). Or, you could enter the number '01424', which is unlikely to be mistaken for anything else in your kit bag, and would report in EXIF as '1424mm'. Numbers are entered individually by dialling an aperture value and confirming it by pressing the shutter button, according to the following table:

f2	f2.2	f2.5	f2.8	f3.2	f3.5	f4.0	f4.5	f5.0	f5.6
0	1	2	3	4	5	6	7	8	9

After entering a five digit number (don't forget to pad the relevant number with leading zeros), store the value in the chip with this **three-step save/exit sequence:**

    1 • Set aperture to f57 + fire shutter
    2 • Set aperture to f64 + fire shutter
    3 • Set aperture to f57 + fire shutter

To set the aperture value, enter the programming mode again with the four step sequence above, then **set the aperture to f2.0 + fire shutter.** Now enter the aperture to be recorded by the chip and fire the shutter. Save and exit using the three-sequence above.

If you want to set an AF micro-adjustment value, enter the programming mode, **set the aperture to f3.5 + fire shutter**. Enter a value and save/exit.

f2.8   f8   f22

FAQ

Q. I'm concerned about removing the weatherproofing. Should I be?
A. No adapted lens retains its weather sealing, so if you shoot in harsh environments, or are unusually reckless with your kit, you might be better with a nicely sealed Canon L lens. In reality, much like a cycling helmet, the weathersealing will not save you in a severe accident. Store the removed gasket in case you need to sell the lens in the future, and don't want it to appear 'Canonised'. The gasket will press back in with the aid of a thin-edged tool. Customers have reported that their local Nikon servce agent has reinstalled the gasket without charge.

Q. Can I use this adaptor with manual-aperture Nikon F mount lenses and Nikon-mount third party lenses?
A. Yes.

Q. Can I focus to infinity?
A. Yes: our bespoke adaptors provide perfect infinity focus by exactly calibrated registration and the highest standard of machining accuracy.

Q. What are the advantages of the V3.1 (chipped version)?
A. The AF confirm chips enables through-the-lens auto-focus confirmation, and encodes two pieces of data in EXIF to aid identification in post production. Please note that, even when using Canon lenses, AF-confirmation is considerably less reliable and accurate than LiveView.

Q. Can I set any aperture, or just f2.8, f8 and f22?
A. Literally any aperture can be set: the lever does not have detents corresponding to given f-stops.