

## **OPTIX V5 AF-Confirm Chip**

Thank you for purchasing **OPTIX V5 AF-Confirm Chip** and associated adapter products. Our **OPTIX V5 AF-Confirm Chip** allows quick & easy reconfiguration of parameters by enduser. You may re-select your favourite Aperture value, Focal length and Focus shift compensation factor as many times as you wish.

Every brand new **OPTIX V5 AF-Confirm Chip** is factory initialized to Aperture f/2.0, Focal length 50mm and a middle Focus shift compensation factor of 50. You can change these values by the following steps:

### **Entering the Basic Setting Mode:**

- (1) Mount the **OPTIX V5 AF-Confirm chip** enabled camera adapters on a Canon EOS digital camera. Power it up and go into Aperture Priority shooting mode. A non-zero aperture value should now be shown on LCD. Change the Exposure Level Increments to 1/3-stop if it is not the default.
- (2) Press the Depth of Field (DOF) preview button 3 times in succession within a short duration (about 1 second) to go into our Basic Setting Mode. The aperture roller near the shutter release button will be enabled to select value in the f/1.0 – f/16 range if you succeed. Retry if not work yet.

### **Setting the Maximum Aperture:**

- (1) Once entering the Basic Setting Mode you may use the aperture roller to select a new maximum aperture value in the range f/1.0 – f/11. Values after f/11 has special functions to be elaborated in sections below. When you are done, press the DOF preview button once more to save it.
- (2) Please note some EOS cameras cannot save the f/1.0 value by DOF preview button. In this case you can use the shutter release instead. Also, most Canon EOS camera DOES NOT OFFER focus assist function for maximum aperture after f/5.6 so please do your focus at values f/1.0 – f/5.6 before changing to values after f/5.6 if you want to have both focus assist and actual aperture recording.

### **Setting the Focal Length and Review:**

- (1) Under Basic Setting Mode, choose f/16 and press DOF preview button to enter the Focal Length Setter Mode. The aperture roller is now limited to select in f/1.2 – f/9.0. Prepare to input the new focal length in a 4-digit manner with the help of aperture roller and DOF preview button. The conversion mapping from apertures to decimal digits is shown in this table:

Digit	0	1	2	3	4	5	6	7	8	9
Aperture	f/1.4	f/1.x	f/2.x	f/3.x	f/4.x	f/5.x	f/6.x	f/7.x	f/8.x	f/9.x

- (2) For compatibility and minimizing use of shutter release the **f/1.2 value is ignored**. Value f/1.4 takes digit 0. All other 1.x represents digit 1 and the same rule applies to higher digits. For example:

To set a focal length of 135mm the 4-digit code is 0 1 3 5. Both lines below are valid and correct input sequences:

DOF x 3	f/16	DOF	f/1.4	DOF	f/1.6	DOF	f/3.2	DOF	f/5.0	DOF
DOF x 3	f/16	DOF	f/1.4	DOF	f/1.8	DOF	f/3.5	DOF	f/5.6	DOF

- (3) You can also review the new focal length without taking any photo. Choose f/13 (then DOF) in the Basic Setting Mode to enter the Focal Length Review Mode. The saved focal length 4 digits will be shown on the LCD one-by-one as mapped aperture value as you press the DOF preview button repeatedly. The mapping rule is also very simple and is shown in the following table:

Digit	0	1	2	3	4	5	6	7	8	9
Aperture	f/1.0	f/1.x	f/2.x	f/3.x	f/4.x	f/5.x	f/6.x	f/7.x	f/8.x	f/9.x

### **Setting the Focus Shift Compensation:**

- (1) Under Basic Setting Mode, choose f/14 (then DOF) will enter the Focus Adjustment Mode. Focus shift compensation factor is a 2-digit value in 00 – 99. It is factory initialized to the middle value 50. The input method is exactly the same as Focal Length Setter Mode except you only need to input 2 digit for this mode. Try values other than 50 if you feel that your lens has focus shift issue.