Night Sky Cheat Sheet

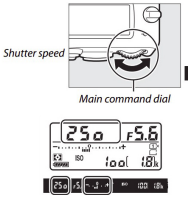
Nikon

Common Steps:

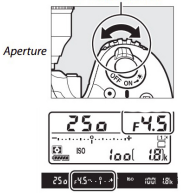
1. Camera in Manual Mode
2. Set Shutter to 20 seconds
3. Set Aperture to smallest number (eg: f/2.8, f4)
4. Set ISO to 3200 (1600 to reduce or 6400 to increase exposure)
5. Set white balance to Fluorescent (or between 3800-4800k)
6. Set to shoot in RAW
7. Disable high iso & long exposure noise reduction
8. Focus your lens and switch to manual and Image Stabalisation
9. Enable mirror lockup (not required on mirrorless)
10. Set a 5 - 10 second shutter timer

1 Turn the wheel until you get to M - manual mode

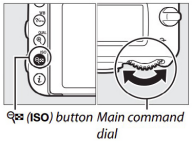
2 Use the wheels and change the shutter speed



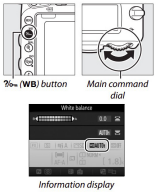
3 Use the wheels to change the aperture



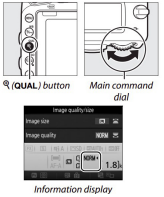
4 Press the ISO button, to change the ISO



5 Press the WB button and change the white balance

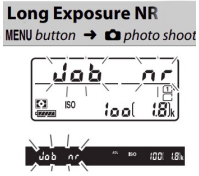


6 Press the Qual button and change the images to RAW

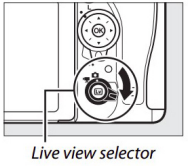


7 Press MENU and go to photo shooting menu to disable high iso NR

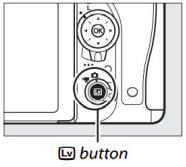
7 Press MENU go to photo shooting menu to disable long exposure NR



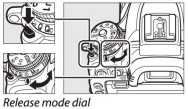
8 Use live view and press the magnifier or + & - to zoom, use focus ring on lens to focus



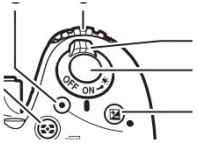
9 Press LV button to raise mirror



10 Use the dial to set a timer



SHOOT



Night Sky Cheat Sheet

500 Rule – Camera must be set to 3200 or 6400 ISO, aperture f/2.8 (or faster).

See: https://www.lightstalking.com/500-rule/

On **full frame** sensors calculate 500 divided by your focal length

EG: 500 / 17mm = 29.4 seconds

On **Canon** or 1.6x crop sensors calculate 500 divided by (focal length x1.6)

EG: 500 / (17mm x 1.6 eq 27.2) = 18.4 seconds

On **Nikon** or 1.5x crop sensors calculate 500 divided by (focal length x 1.5)

EG: 500 / (17mm x1.5 eq 25.5) = 19.6 seconds

600 Rule - Same as above but use 600 instead of 500.