

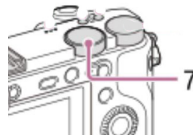
# Night Sky Cheat Sheet

## SONY

### 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 Stabilisation
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



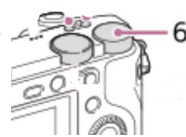
ISO (ISO on the control wheel) → select desired setting.  
 • You can also select MENU → [Camera Settings1] → [ISO Setting] → [ISO].  
 • You can change the value by 1/3 EV steps by turning the control wheel. You can change the value by 1 EV steps by turning the control dial.

4 Press the Menu button - camera settings - ISO button, to change the ISO

7 Press MENU - Camera Settings High ISO NR to turn off High ISO NR

9 Skip this step as this is mirrorless

2 Use the rear top dial to change the shutter speed



1 MENU → [Camera Settings1] → [White Balance] → desired setting.

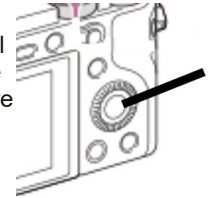
5 Press Menu - Camera settings to change white balance

7 Press MENU - Camera Settings long exposure NR to turn off Long EXP NR

10 Press the drive mode button of control wheel to set timer

Press [Drive Mode] of the control wheel → [Self-timer].  
 • You can also set the drive mode by selecting MENU → [Camera Settings1] → [Drive Mode].

3 Use the rear wheel to change the aperture



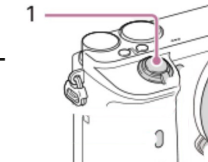
6 Press Menu - setup - PC Settings to set as RAW

MENU → [Setup] → [PC Remote Settings] → [RAW+J PC Save Img] → desired setting.

8 Use MF Assist, Menu - Camera Settings - MF Assist to ON to help MF in live view

MF Assist (still image)  
 Enlarges the image on the screen automatically to make manual focusing easier.  
 1 MENU → [Camera Settings1] → [MF Assist] → [On].  
 2 Turn the focus ring to adjust the focus.  
 3 The image is enlarged. You can magnify images further by pressing the center of the control wheel

## 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

$$\text{EG: } 500 / 17\text{mm} = 29.4 \text{ seconds}$$

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

$$\text{EG: } 500 / (17\text{mm} \times 1.6 \text{ eq } 27.2) = 18.4 \text{ seconds}$$

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

$$\text{EG: } 500 / (17\text{mm} \times 1.5 \text{ eq } 25.5) = 19.6 \text{ seconds}$$

On **Micro 4/3rd** sensors calculate 500 divided by (focal length x 2)

$$\text{eg: } 500 / (17\text{mm} \times 2 \text{ eq } 34) = 14 \text{ seconds}$$

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

