

# How to shoot...

The settings are recommended starting points for most DSLR or manually-controllable cameras. The best settings will differ by location, sky quality, and your photo goals.

	MOON	STAR TRAILS		MILKY WAY	
<b>SHUTTER SPEED</b> EXPOSURE LENGTH	1/160 TO 1/400 SEC	30 SECONDS		<b>10-20mm lens</b> 25-30 SEC	<b>20-30mm lens</b> 15-20 SEC
<b>ISO</b>	100 - 200	<b>URBAN</b> 400 - 800	<b>DARK SKY</b> 800 - 1600	<b>URBAN</b> 400 - 800	<b>DARK SKY</b> 1600 - 6400
<b>APERTURE</b>	F/6 - F/10	1-STOP HIGHER THAN WIDE OPEN		WIDE OPEN, AS LOW AS POSSIBLE	

## Essential settings

**LENS:** Image stabilisation off.  
Auto-focus off.

**CAMERA:** All auto-function should be disabled, settings to be set on manual.

**IN CAMERA NOISE REDUCTION:**  
Disabled for star trail shooting. Optional for Milky Way shooting. Post processing software can eliminate noise effectively.

**WHITE BALANCE:** Location dependent. In light polluted skies, 2900-3800K, in darker skies, 3500-4500K. Shooting RAW format allows you to change WB in post.

**STAR TRAILS:** Use continuous drive mode with a remote shutter release locked on.

**MILKY WAY:** Enable 2-sec delay shooting to minimise camera shake