

Day-to-Night Auto Bulb Ramp with the Timelapse+

Before Beginning

- ✓ Be sure the camera battery is fully charged
- ✓ Memory card with plenty of space in the camera
- ✓ Be sure the Timelapse+ is fully charged (for a 5-hour time-lapse, it should have at least 50% battery)
- ✓ The camera's parameters must be adjustable in 1/3 stops (not half)
- ✓ Ideally, use a PC-sync cable and set Settings->Auxiliary->AUX Port to 'PC Sync In'
- ✓ If using a PC-sync cable, make sure Autoconfig has been run with that camera

Setting up the camera

- ✓ Begin sometime before sunset
- ✓ Pick a location and frame the shot
- ✓ Set the lens to Manual Focus
- ✓ Set Camera to Manual exposure mode
- ✓ Set the Shutter Speed to equal the Minimum Bulb duration (typically 1/20s, set by Autoconfig program)
- ✓ Set the ISO to the minimum possible on the camera (use expanded ISO if possible)
- ✓ Adjust the Aperture or add an ND filter or polarizer in order to achieve a good exposure for the current conditions without increasing the shutter speed
- ✓ If you've chosen an aperture smaller than wide-open, it's recommended to use the lens-twist technique to lock the aperture and avoid flicker (alternatively, the aperture can also be controlled by the Timelapse+ if Settings->Camera->Bramp Mode is set to 'Bulb,A,ISO')
- ✓ Take a few test photos and verify the scene looks good
- ✓ IMPORTANT: Switch the camera mode to Bulb
- ✓ Confirm that the ISO and Aperture are still set correctly

Setting up the Timelapse+

- ✓ Turn on the Timelapse+ and navigate to the Timelapse menu
- ✓ Press the right button to edit the mode and set it to Bulb Ramp
- ✓ The next item down on the Timelapse should be set to Automatic
- ✓ Choose the Intrvl Mode: Fixed for a constant interval, and Auto to automatically increase as the bulb exposure time increases. If in auto mode, the Min Intrvl is the pre-sunset interval, and Max Intrvl is the post-sunset interval
- ✓ Set the Interval (or Max Intvl if in auto mode) between 15 and 45 seconds for best results (the interval will limit the maximum bulb exposure, so a short interval will force the ISO higher to compensate)
- ✓ Set the Start Tv to the minimum (same as the camera's shutter speed was set to for testing)
- ✓ Mount the Timelapse+ so the top faces the scene (a hotshoe to 1/4-20 adaptor is recommended)
- ✓ Connect the Timelapse+ to the camera via USB using an OTG adaptor cable (or if bulb is not supported via USB, use a shutter adaptor cable + the USB OTG)
- ✓ Set the Night Target: if you know your night exposure, choose Custom Exp and set the exposure values via Custom Exp in the previous screen (with the camera connected), otherwise choose a preset that matches the expected ending scene.

Running the Timelapse+

- ✓ Press Start (upper-right button) on the Timelapse+
- ✓ Be aware that the Timelapse+ will keep the shutter speed as slow as possible for best results, so it may change increase the shutter time if it can lower the ISO or raise the aperture and maintain the same exposure (you can limit the aperture range in Settings->Camera->Aperture Max/Min)
- ✓ Check the first couple frames and make sure everything still looks good
- ✓ Don't change any camera parameters while it's running or it will confuse the Timelapse+
- ✓ Pressing any button will turn on the backlight temporarily. The next button press while the backlight is on will then perform the intended function. The upper-right button opens a menu with options for canceling the time-lapse, switching to guided mode (disables light sensor and enables manual steering of the exposure).