

# Equipment Instruction Manual Series

## AST 205: Planets in the Universe

Canon Rebel XT

V01, 2012 Oct 1



Figure 1: Turn the camera **on** with the switch on the top right. Set the mode to **manual (M)** using the dial.



Figure 2: Set focus to **manual** (not automatic), and set stabilizer to **off**.



Figure 3: You can adjust the **zoom** by turning the large grip on the lens.



Figure 4: After deciding on the zoom, set the **focus** by rotating the smaller grip.



Figure 5: Press the **Menu** button to access the menu. Navigate with the arrows to the right of the screen; select with the middle button. There are several tabs within the menu. The first should have the following settings: **Quality** raw + smooth large, **Red-eye** off, **AF mode** one shot, **Metering mode** dot with above- and below-symbols, **ISO speed** 1600.



Figure 6: When you select a field (such as **Quality** in this picture) to change it, you may be brought to a new screen, where you can use the arrows to navigate. Press **Menu** at any time to leave a field without changing it, or to leave the entire menu.



Figure 7: The settings for the second menu tab should be as follows: **AEB** and **Flash exposure compensation 0**, **White balance AWB**, **White balance shift 0**, **Color space sRGB**, **Parameters Parameter set 1** (first three parameters halfway between neutral and maximum, last parameter neutral)



Figure 8: The settings for the third menu tab should not matter much, except you can adjust the review time to your liking.



Figure 9: The important settings for the fourth menu tab are as follows: **LCD brightness** as dim as possible, **Date/Time** there's no harm in making sure these are correct, but it does not matter too much if you're careful to note when you took the images, **Shoot without card** off



Figure 10: The settings for the **fifth menu tab** should not need to be adjusted.



Figure 11: Use the wheel on the front right of the camera to adjust the **exposure time** (shown here as 3.2 seconds).



Figure 12: While pressing and holding the **Av** button just to the right of the top display, use the same wheel to change the **f-ratio**. The available range is dictated by the focus.



Figure 13: The **exposure time** and ***f*-ratio** settings you will probably want to use. The setting “bulb” means the exposure as an indefinite time. You will want to use this for long exposures. For focusing, you may want to set it to take fixed shorter lengths (e.g. 5 seconds). For anything longer than a second or two, you can always use “bulb,” unless you care about the exact timing of the exposure.



Figure 14: Plug the **shutter control** into the middle port on the left side of the camera.



Figure 15: Push the slider up on the **shutter control**, exposing the red strip. Use the button to take the image. If in “bulb” mode, press again to close the shutter and save the image.

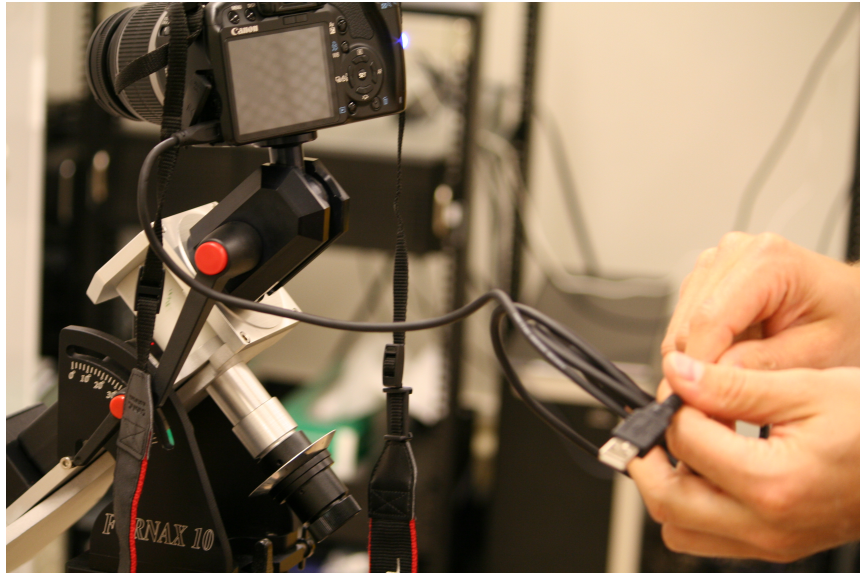


Figure 16: The lower port is for connecting to a computer via the **USB** cable.