Equipment Instruction Manual Series

AST 205:
Planets in the Universe

Canon Rebel XSi

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

Figure 3: After deciding on the zoom, set the **focus** by rotating the smaller grip.

Figure 4: Press the **Menu** button to change most of the settings. Navigate with the arrows to the right of the screen; select with the middle button. Important settings are the following: **Quality** raw + smooth large, **Red-eye** off, **Shoot without card** off, **AEB** and **Flash exposure compensation** 0, **White balance shift** 0, **Color space** sRGB, **Picture style** standard, **Auto rotate** off, **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

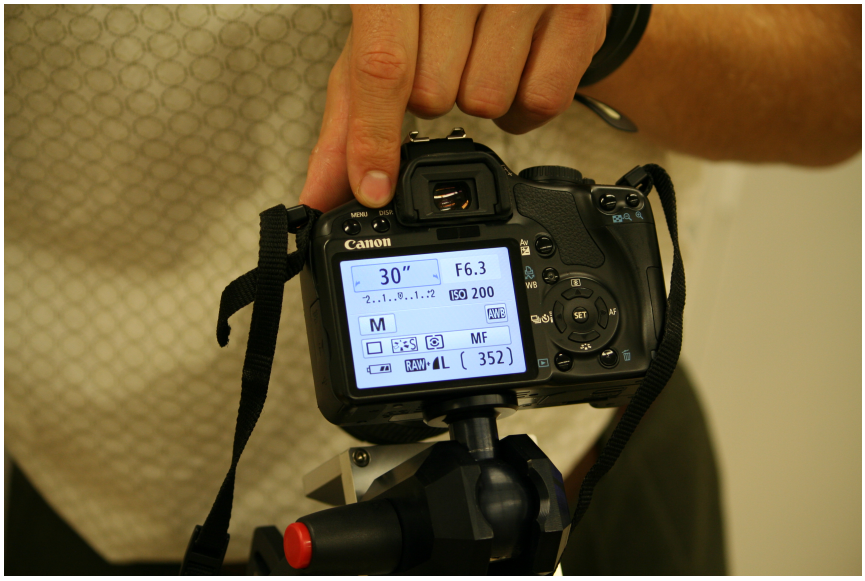

Figure 5: Several other settings are accessed by pressing the **Display** button.

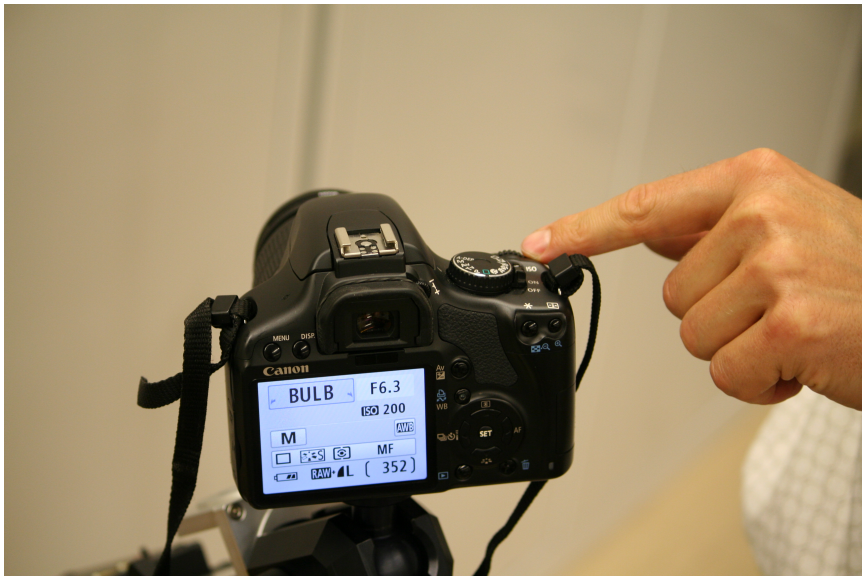

Figure 6: While in the display settings, use the wheel on the front right of the camera to adjust the **exposure time** (shown here as "BULB." The setting "BULB" means the exposure as an indefinite time. You will want to use this for long exposures. For focusing, you may want to set it to take fixed 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 7: 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. This must be done from the display screen.

Figure 8: While in the display settings, press the **ISO** button on the top right of the camera. This allows you to use the arrows to select an ISO setting.

Figure 9: Select 1600 for ISO.

Figure 10: Plug the **shutter control** into the middle port on the left side of the camera.

Figure 11: 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.

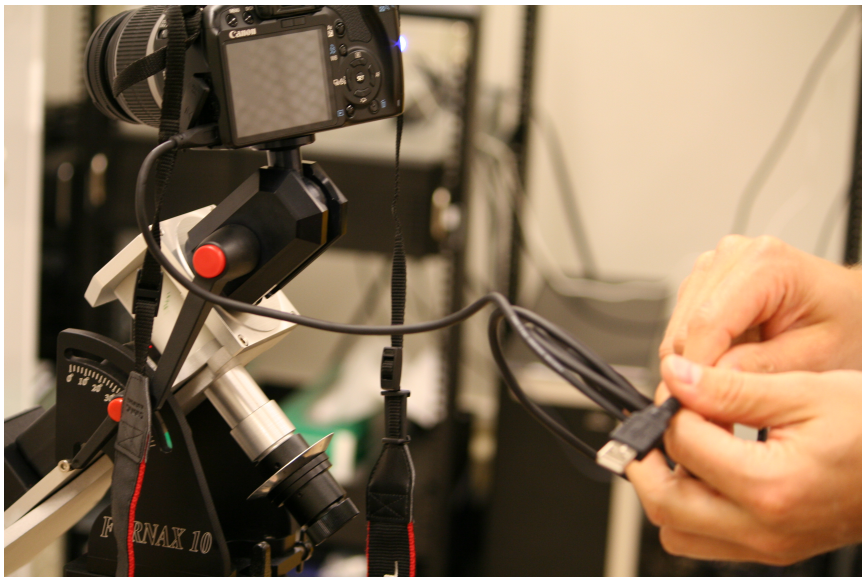

Figure 12: The lower port is for connecting to a computer via the **USB** cable.