**AUDA203 Production Sound**

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**BASIC INSTRUCTIONS ON SET UP OF THE**

**PANASONIC HMC150 HD VIDEO CAMERA**

**(full manual here:** [**http://faculty.uncsa.edu/film/manuals/AG-HMC150\_OI.pdf**](http://faculty.uncsa.edu/film/manuals/AG-HMC150_OI.pdf)**)**

**1. Insert fully charged battery. Should hear it click into place.**

**2. Format SD card. Use at least an 8gb SD card for the camera.**

* Insert SD card under camera viewfinder.
* Set the camera’s red power switch to ON.
* Press the MENU button found on top left of camera.
* Select CARD FUNCTIONS-CARD FORMAT from the menu
* Select Yes if you want to format the card.
* Press the MENU button to close the menu display when formatting is completed.
* When a memory card is formatted, ALL DATA RECORDED ON THE CARD WILL BE ERASED and will not be restorable. Save all important data to your computer (and a backup drive as well if you can).
* You can move the write-protect switch on the SD Memory Card to the LOCK position to prevent recorded contents being accidentally erased from the card.
* A 16GB SD Memory card capacity will give you about 120 minutes record time at high quality mode (HA) 1920 x 1080 pixels. 90 minutes at PH, highest quality mode.

**3. Set up camera on tripod or dolly (can also do this before formatting SD card.**

* Level and Balance Camera

**4. Connect any necessary cables. (Adapters for Timecode external recorders, external mics, live camera screens for director, etc.)**

**5. Choose Manual instead of Auto. If in Auto a Green “A” appears on the screen.**

* You can then use The Focus Ring, and the Focus Switch to focus the image. Leave the switch on Focus for class.
* While still in Manual mode, you can hold down Push Auto to get auto focus on your image. Also you can hold down Iris button for auto iris adjustment. The iris adjusts the aperature of the camera lens., the F-Stop.

**6. Adjust the gain switch to brighten the display. L is set under normal conditions 0db.**

**7. Light intensity adjustments**

* ND Filter for changing light intensity. ¼ cuts it by 1/4th

**8. Adjusting the white balance to reproduce the white accurately. Helps adjust the ratio between the three RGB primary colors. If white balance is not adjusted properly, not only will the white be reproduced poorly, but the color tones of the entire screen will also be downgraded. In Manual mode, readjust the white balance WHENEVER LIGHTING CONDITIONS CHANGE.**

* You can save adjustments and reselect them by setting the WHITE BAL switch to A or B. Set it to A for class.
* You can also use the preset values in the settings menu.
* Point lens at White Card or White Object in Scene.
* While looking in Viewfinder, push AWB Button on Front of Camera. Message on viewfinder should read “AWB Ach OK” or “AWB Bch Ok” if B

**9. Record Color Bars. Press BARS button and Color Bars should appear. When you have color bars on screen, record the bars for about 30 seconds.**

**10. Check your SD card before shooting to be sure that you have picture.**

* Check SD card after shooting your first shot to be sure that you have picture.

**11. ND filter Off, Shutter Off, OIS On, Zebra Off.**

**12. The native recording format for the camera is 1080/24P. In Menu go to Recording Setup to make sure that this is selected.**

**13. AUDIO: (see full manual page 48 for using external mic.)**

**For class we will use the Built-in microphone:**

* Move the CH1 SELECT switch to INT (L). Audio from the built-in microphone Lch is recorded to audio channel 1.
* Switch the CH2 SELECT switch to INT(R) so audio from the built-in microphone Rch is recorded to audio channel 2.
* Use the AUDIO control knobs at the bottom of the camera on the Left.
* Audio monitor is in viewfinder.

 **14. Go to Scene File on lower left of camera and choose F1 for normal shooting.**

**15. Get boom-op and sound mixer ready to record.**

**16. All on set get ready for SLATE. The point of slating is to give a visual and aural starting mark to the camera and sound recorder. To make sure that everyone is on the same page, a simple set of call-outs are given.**

* 1st AD says: Quiet on Set, Roll Sound
* Sound Mixer says: Sound Speeding (have record button lit)
* 1st AD says: Roll Camera
* 1st AC says: Camera Rolling
* 2nd AC says: Scene 1A, Take 1. Marker (then claps the slate in front of the camera while the boom-op picks up the sound.)
* Camera Operator says: Set
* Director says: Action

**Without a slate, syncing sound to picture becomes a nightmare!**

**17. BASIC PLAYBACK in HMC150 camera:**

* With camera ON, go to MODE button and press it until PB is lit up instead of Cam.