

## **Intermediate Equipment Training:**

*If a member feels confident about this equipment, just lightly quiz them on the processes they should follow and watch them complete the set-up procedures in front of you. If they have zero knowledge of the topic, then run through everything start to finish.*

### **Zoom Recorder (H4 & H5):**

- What they do?
  - Allow you to record audio onto a secondary device that has greater control over the gain/sensitivity of the mic.
- Components to understand?
  - The SD Card
    - How to format the SD card?
    - Zoom's only accept a 32GB or less
  - How to raise and lower the gain
  - Record Button
  - Pause Button
  - Play Button
- How to use it?
  - Set the levels to around -6
  - Press the record button to begin the recording process, then press the play button to begin recording a track.
  - Press the pause button to pause the recording of a track
  - Press the STOP button to end the track and allow you to begin recording a new audio track.

### **Lav Mics:**

- What they do?
  - Allow you to record audio without a boom mic by attaching the mic onto the collar of an individual's clothing
- Components to understand?
  - The microphone
  - The clip
  - The adapter
- How to use it?
  - Attach the clip to the microphone, then attach the clipped microphone to the collar of the individual's shirt aimed towards their face
  - The power adapter has three slider positions:
    - Off
    - On

- On and low cut
        - This function tries to remove some of the room noise in the room
- Attach the adapter to an XLR, then plug the XLR into the recording device and you're good to go!

## Canon 60D + 70D DSLR

- What they do?
  - DSLR camera for recording video.
- Components to understand
  - The Battery
  - The SD Card
    - How to format an SD card?
  - The Focus Adjuster
    - The Zoom Function
  - The Aperture/Shutter Speed Control
    - If you slide the wheel on the top of the camera, you will adjust the shutter speed. If you slide the wheel while holding the asterisk button, you will change the f-stop.
  - The White Balance Control
  - The ISO Control
- How to use it?
  - Place a charged battery in the bottom end
  - Enter an SD card into the side, and format the card
  - Set your shot, and change the White Balance, Exposure, Shutter Speed, and ISO
  - When focusing the camera, zoom in on your subject (using the digital zoom button, best if zoom in on eyes or facial hair) and focus as best you can and then unzoom.
  - Press the record button
  - Make sure you sync the audio and video when recording on separate devices. A simple clap in front of the camera will solve the problem.

## Rokinon Lens Kit

- What Do They Do?
  - Attachable higher quality lenses onto the base DSLR's we currently have (60d and 70d)
- Components to understand?
  - Prime Lens
    - These are prime lenses, which means they cannot zoom, but they have exposure controls on the lens itself and not the base camera.
  - Focus
  - Interior Sensors

- How to use it?
  - When transferring lenses, you must be INCREDIBLY careful and delicate. The interior sensors on the lense and the camera cannot get any fingerprints, dust, dirt, or anything.
  - Remove the caps from both the camera and the lense, then line up the red circle/white square, insert, and then twist clockwise until you hear the click. To remove the lense, press the button on the camera and twist counterclockwise.
  - There are three lenses in the kit:
    - 24mm
      - Wide angle lense. Allows everything to be in focus, and shows more of the space you're in
    - 85mm
      - Telephoto lense. Has very shallow focus (only one thing can be in focus at a time) and is very zoomed in.
    - 35mm
      - A happy medium between the 24mm and 85mm. Close to what the human eye sees.

### **Sony PXW-x70**

- Nearly Identical to the XA10. Just remember:
  - Controls for gain, shutter speed, and exposure are all on the wheel right to the left of the lense.
  - The PXW-x70 has different batteries than the XA10, which can be found in the orange case we keep the PXW-w70 in
  - There is currently no charger for the batteries, so you must put the battery in the camera then plug the camera into an outlet.

### **C-Stands/GC Stands**

- What does it do?
  - Provides stability and support for many items on a film set, but most often than that the Arri lights.
- How to use it?
  - Separate the legs so they are all equidistant from one another.
  - Place a shot bag down on the tallest leg
  - Use the knobs on the pole to extend/retract the stand's height

### **ARRI lights**

- What does it do?
  - Provide light to a shot, through a tungsten lamp.
- How to use it?

- Place the light on a C-stand, screwing in the base of the light so that it is tight and secure
- Remove the blue rope from the side hook so as to uncoil the cable. Plug the cable into the nearest wall outlet.
- Whenever turning on the light, always yell “STRIKING” and using your hand to cover the light so as not to blind anyone’s eyes.
- Make sure the barn doors are secure on the front of the glass, allowing you to control where the light is going.
- There is a knob on the back of the light that can be turned into the “Flood” or “Spot” position. This controls how spread out the light goes towards your subject.
- Make sure to ALWAYS use the blue rope to hang the power cable onto, so as not to ruin the cable from excessive weight and tugging towards the ground.

Thank you for completing the Intermediate training for GVTV