Area 10 Camera / Video

Goal: Capture the in-person experience and broadcast on the internet… to the world.

Times: Arrive at 7:30a, wrap-up around 11:45p
Come to the back door of the Byrd

Sunday Morning Process:
1. Get cameras and tripods from the Production Shelf backstage at the Byrd
2. Setup Main tripod (centered in Tech Area)
    a. This is pivotal for the rest of the tech area to be set properly.
3. Camera 2 (Front)
    a. JVC Camcorder
    b. This camera is setup on the orchestra pit (House Left)
    c. One leg sits on the top of the orchestra pit, the other two legs go on the floor
    d. Connect the power adapter (Unifive branded) to the quad box in the orchestra pit next to the Byrd's soundboard
    e. There is a blue SDI cable that connects to the SDI output on the camera. This blue cable is connected to a black cable that runs under the floor to the tech area. PLEASE leave these two connected and only interact with the blue cable.
    f. Confirm the camera is set to manual focus
    g. Zoom all the way into a background, set focus, zoom out to compose your shot
4. Camera 1 (Back)
    a. White Canon PTZ
    b. This camera is setup as the center item in the tech area
    c. Connect the power adapter (Canon Branded) to the 3-way extension cord under the projector
    d. The SDI cable from Input 1 on the video switcher will connect to the 3G-SDI output of the camera
5. Canon PTZ Controller
    a. Connect the power adapter (Unifive branded) to the power conditioner inside the Gator Case at the top
    b. Connect the Cat 5 included cable from the LAN slot on the controller to the LAN port on the Canon camera
6. Video Switcher Case
    a. The switcher lives in the black road case in the side-stage closet
    b. Flip on the power conditioner and this powers up everything
    c. Connect black Cat5 internet cable to the floor box.
    d. Canon Camera connects to Camera 1
    e. JVC Camera connects to Camera 2
    f. Camera 3 & 4 connect to a Blackmagic Box that goes over to the ProPresenter laptop with its' Thunderbolt cable
    g. One Cat5 internet cable goes over to the Propresenter laptop
    h. The mounted monitor connects with SDI to Output 1 on the video switcher
    i. The two XLR cables connect to the back of the soundboard into OUTPUTS 11/12

7. During Practice
   a. Confirm you have slides coming from input 3 & 4 from ProPresenter (lower thirds, full screen images and videos)
   b. Set your side camera view to focus mainly on the front two people on stage. This will cover the large carpet. Keep in mind some space for lower thirds to be displayed, but do not try to grab the entire stage in your shot
   c. Use the camera controller to set pre-set shots to your liking
      i. Delete all old Presets
      ii. ==Go to VIEW > CAMERA CONTROL==
      iii. Turn OFF Auto for White Balance and ISO
      iv. White balance = 4000k
      v. ISO = 17.5dB (as a starting place)
         This adjusts brightness of your image so turn up or down according to your needs PER PRESET
   d. Pay attention to who is leading songs, any solo items that you might want to highlight as well as any transitions
8. Start of Countdown
   a. Click the "On Air" button on the right side to send video to YouTube.
   b. Let the ProPresenter person know when this is pushed
9. End of Service
   a. Push "OFF" to stop streaming
      i. Once you see the Thanks for Coming video on the screen you can push the Off Button to stop streaming
   b. Front Camera (JVC)
      i. Power Off, close viewing screen, replace lens cap
      ii. Place the power adapter and camera into the case properly
      iii. Wrap the SDI cable in the orchestra pit to leave it tidy for the next person
      iv. Place on backstage shelf
   c. Canon PTZ Controller
      i. Power Off
      ii. Unplug Cat5 cable from the Canon Camera
      iii. Unplug the power adapter from the power conditioner
      iv. Place the Cat5 cable, Power conditioner and controller inside the case
      v. Place on backstage shelf
   d. Canon Camera
      i. Disconnect power adapter from the power conditioner
      ii. Remove camera from tripod
      iii. Place camera and power adapter inside the case
      iv. Place on backstage shelf
   e. Tripods
      i. Fold both tripods and replace them on the backstage shelf

      f.   Video Switcher Case
          i.   Power Off the power conditioner
         ii.   Disconnect the two XLR cables that are connected to the soundboard
       iii.   Wrap the XLR cables, SDI cables with BlackMagix box (from ProPresenter laptop) and place them neatly inside this case
       iv.   Place the front and back covers on the case and carefully clasp them closed
        v.   Place this case in the side-stage closet on top of one of the subwoofers

Helpful Details:

CAMERA
       Canon CR-N500
       U: admin
       P: area10church
       IP: 192.168.1.20

CONTROLLER
       Canon RC-IP100
       IP: 192.168.1.19

ATEM BACKUP
       If the Livestream doesn't work, you can hit "REC" next to the On Air button and it will record to an SD card attached to the unit

Backstage Shelf   Side-Stage Closet