

CANON EOS C70 Cinema Camera QUICK START GUIDE

① BUILD & POWER UP

- 1 **Build Sachtler tripod** — balance ball head, tighten pan/tilt friction for intentional movement
- 2 **Mount camera body to tripod plate, lock securely**
- 3 **Attach top handle + mic holder to accessory shoe**
- 4 **Insert charged BP-A30 battery** — keep a backup ready. AC power adapter is available, if stationary.
- 5 **Attach lens** — store lens cap & sensor cover in Pelican case
- 6 **Insert 128GB SD card in Slot A** — close media door.
- 7 **Power on** — note the lock switch will hold settings

② RECORDING SETUP (MENU → RECORDING / MEDIA SETUP, CP)

- 1 **Initialize media card (erases + makes compatible)**
- 2 **System Frequency: 24Hz** → **Frame Rate: 24.00P**
Camera reboots after frequency change — go back in and set FPS.
- 3 **Main Rec Format: XF-AVC YCC422 10-bit (.MXF)**
MP4/H.264 for fast turnaround; XF-AVC for heavy post-production.
- 4 **Main Resolution: 4096×2160 Intra-frame (preferred)**
1920×1080 loses quality on crop. Intra-frame = higher quality, larger files.
- 5 **Recording Mode: Normal (standard frame rate + audio)**
- 6 **CP / CUSTOM PICTURE – Set Color Profile: Standard BT.709 Wide DR for baked-in color**
Desaturated, washed out - Log (C-Log 2/3) for more editing flexibility — C-Log 3 is easier to grade.
*Engage LUT on LCD screen to see outcome: **MONITOR SETUP** → **LUT: LCD On** → BT.709 (if shooting Log)

③ AUDIO (MENU → AUDIO SETUP)

- 1 **Plug in headphones to monitor audio while recording**
- 2 **MKE600 shotgun mic** → **mic holder** → **mini XLR to INPUT 1**
Set INPUT 1 power to Mic +48V (phantom) if no internal battery.
- 3 **Sennheiser ew 100 G3 wireless** → **mini XLR to INPUT 2**
Set INPUT 2 power to MIC if using AA battery.
- 4 **Audio Input Selection: INPUT TERMINALS for both channels**
Use XLR inputs whenever possible — best recording quality.
- 5 **Switch to MANUAL gain — set levels to -12 to -6 dB**
Press AUDIO STATUS (13) for monitoring detailed sound levels.

④ EXPOSURE

Shutter: Set to Shutter Angle 180° (24fps = 1/48)
Aperture: Low f-stop = more light + background blur
ISO: 800 (native — cleanest image + dynamic range)
ND Filters: Use outside. Fondly called “sunglasses” for camera lenses — 2–4 stops overcast, 6–8 bright sun

Zebra (100): Stripes = clipped highlights
Waveform: 0-100 IRE. Top=highlights, bottom= shadows

⑤ FOCUS & WHITE BALANCE

Peaking: ON (Low) — red outline shows sharp focus
MAGN (8): Magnify screen to confirm critical focus
DPAF: Dual-pixel AF with face/eye tracking (80% frame)
White Balance: Avoid Auto WB — use preset, Custom (gray card), or manually set Kelvin color temperature

Focus Guide: Built-in guide for manual focus accuracy

★ *Enable Waveform + Zebra together — your eyes lie. These tools tell the truth.*