

Canon

EOS R3



SETUP GUIDE

Glenn Bartley and Jan Wegener

INTRODUCTION

Thank you for purchasing our setup guide and congratulations on the purchase of your new camera! We're sure it will help you to capture many thousands of wonderful images.

The purpose of this guide is to help you to set up and understand the features, functions and settings of your new Canon R3. We have tried our best to simplify things and make the choices clear. In some cases the best setting is an obvious one. Other times there are options based on personal preferences. In each case We have tried to make this clear and provide the information that you need in order to get the absolute most out of your new camera.

Throughout the guide you will see places where we have stated (P.P.). This stands for personal preference and means that there is no correct setting but rather a few options that are up to your own preferences.

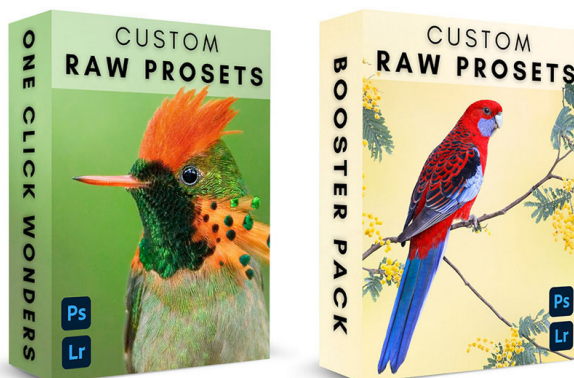
If you have any suggestions or find any typos please feel free to email me us – rgbartley@gmail.com

Thank you again and all the best!

Glenn and Jan

ADDITIONAL RESOURCES

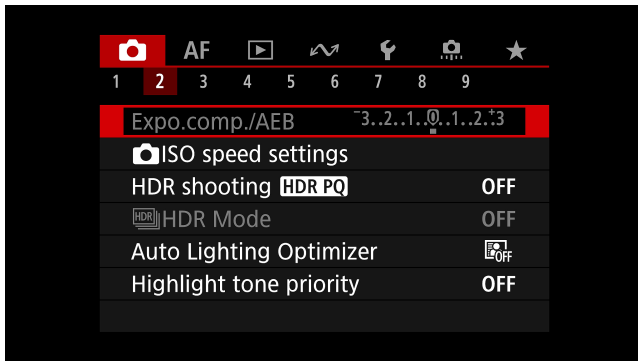
If you enjoy this guide you may want to check out our other guides on post processing and our PROSETS.



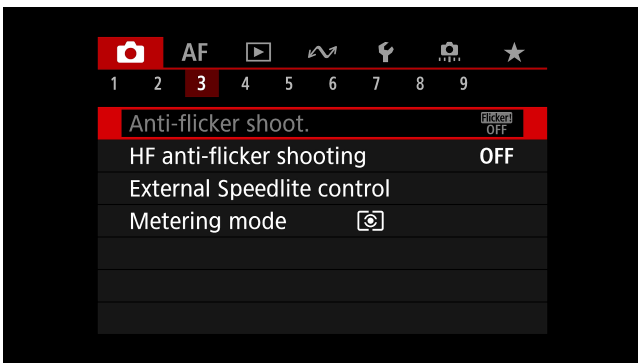
RED MENU



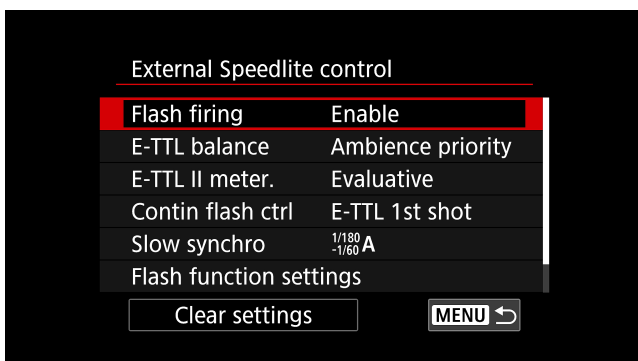
- **JPEG/HEIF Quality** - Highest quality (if you use jpg).
- **Image Type/size** - RAW or cRAW
- **Cropping Aspect ratio** - 3:2



- **Expo.comp** - Use back camera wheel to control this.
- **ISO speed** - Displays existing ISO
- **HDR PQ** - Left off as default. Adjust to suit your needs if shooting in HDR mode.
- **HDR Mode** - Enable when you want to shoot an HDR image (jpg only)
- **Auto Lighting Optimizer** - Off
- **Highlight tone priority** - Off (unless very contrasty subject)

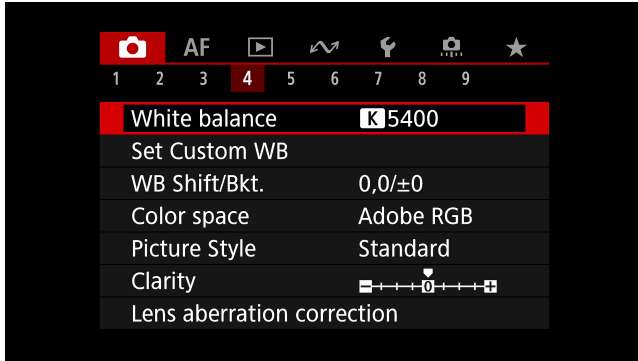


- **Anti Flicker Shoot** - Disable
- **HF Anti Flicker Shooting** - OFF
- **External Speedlight Control** - See below
- **Metering Mode** - Evaluative (P.P.)

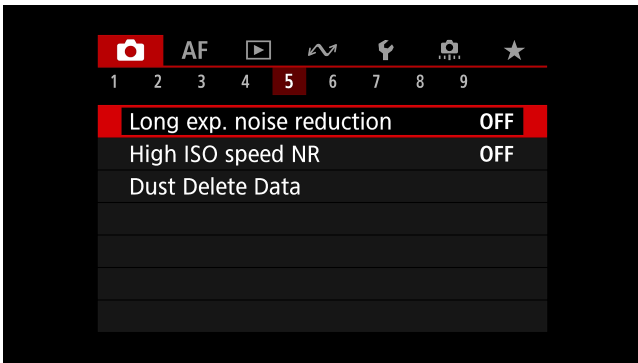


- **E-TTL II balance** - Ambience priority for a more natural look
- **E-TTL II meter** - Evaluative
- **Contin flash ctrl** - E-TTL 1st shot - speeds up continuous shooting with flash on
- **Slow synchro** - 1/320 - 30" A
- **Flash function settings** - E-TTL, high speed sync, FEC as needed
- **Flash C.Fn setting** - These settings vary based on the model of EX flash used. Consult your flash manual.

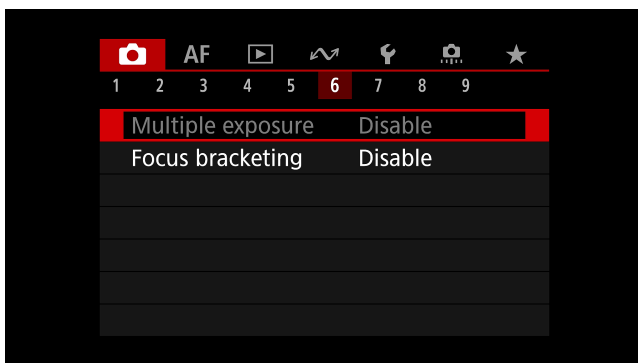
RED MENU



- **White balance** - We use kelvin and set according to conditions (usually 5200-5800)
- **Custom White balance** - Off
- **WB Shift** - Off
- **Color Space** - Adobe RGB
- **Picture Style** - Standard - edit to add sharpness if desired (JPG only)
- **Clarity** - Affects only jpg. Bump up if you want to see images sharper on LCD
- **Lens aberration correction** - Off

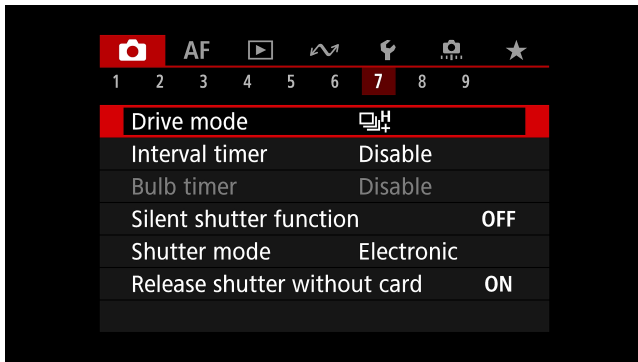


- **Long exp noise** - Off
- **High ISO speed NR** - Off
- **Dust Delete Data** - Set if dust becomes a problem

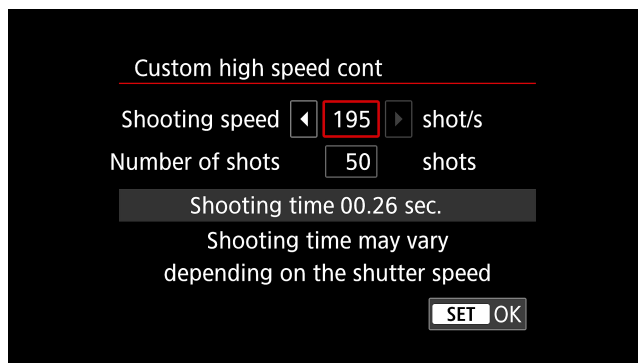


- **Multiple Exposure** - Disable
- **Focus bracketing** - Disable

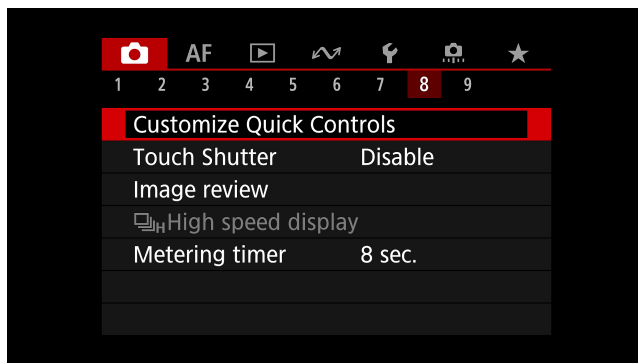
RED MENU



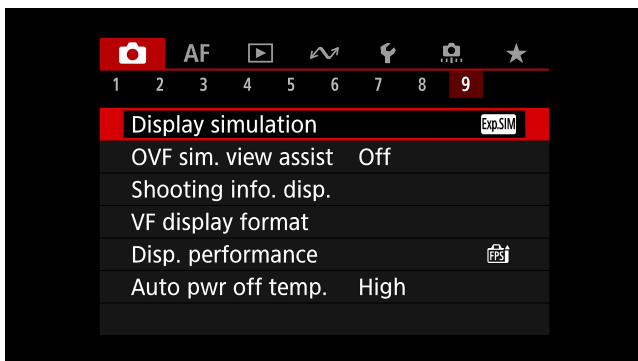
- **Drive mode** - H+ default - Select drive mode HC for super fast bursts up to 195 FPS (for 50 images). Can adjust settings - see next slide.
- **Interval Timer** - Disable
- **Bulb timer** - Disable
- **Silent Shutter** - Off
- **Shutter Mode** - Use electronic by default. Best for fast action scenarios and flight. Can dial back from 30 FPS if you want (add to Green user menu).
- **Release Shutter without Card** - Off unless you have a reason to leave it on.



- **Custom high speed count** - Note that you can dial in the settings when using custom high speed count (press info). Be aware that you will only get one quick burst and then will have to wait for the buffer to clear. Useful in only specific scenarios e.g. "blast off" shot.

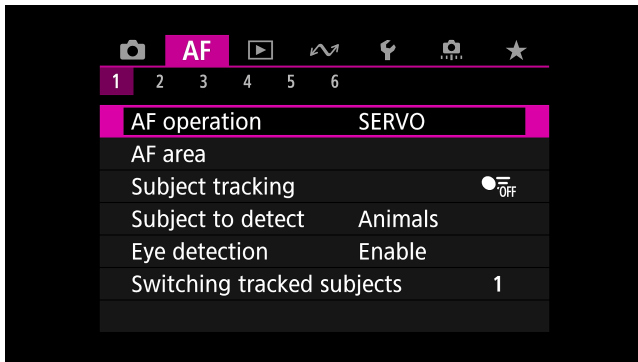


- **Customize Quick Controls** - If you want you can edit your Q menu here to suit your needs (P.P.)
- **Touch Shutter** - Disable
- **Image review** - Off / Disable.
- **High speed display** - Not enabled.
- **Metering timer** - mid range at 8 sec. Shorter may preserve battery life.

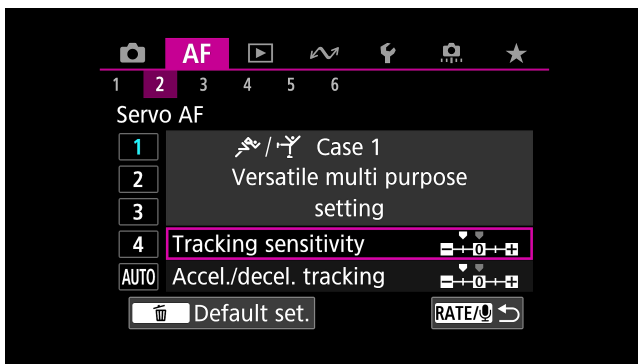


- **Display sim** - Exposure + DOF (P.P.)
- **OVF sim view** - Off
- **Shooting info disp** - See next menu
- **VF Display Format** - Option 1
- **Disp Performance** - Smooth
- **Auto pwr off temp** - High will enable longer video shooting before overheat.

PINK MENU - PHOTO



- **AF operation** - Servo
- **AF area** - Accurate single point
- **Subject tracking** - Off - otherwise the camera will have auto tracking in every focus mode if you want it or not (can be annoying).
- **Subject to detect** - Animals
- **Eye detection** - Disable (we will enable for one of our back buttons)
- **Switching tracked subjects** - Set to 1



Use case 1 or 2 with a few modifications. Using the focus point button switch both sliders to the left. This helps to hold on to birds in flight.

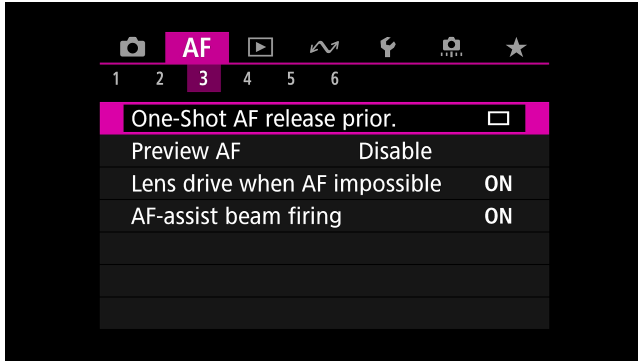
What is **MOST** important is to understand what each slider is doing:

- **Tracking sensitivity** - if the AF point is tracking a subject, and then “sees” a new subject, how will it respond? [-1 or -2 to stay locked on].
- **Accel / decel tracking** - Set to [0 or -1] for a steadily-moving subject, or to [1 or 2] for one with a stop-and-start character.

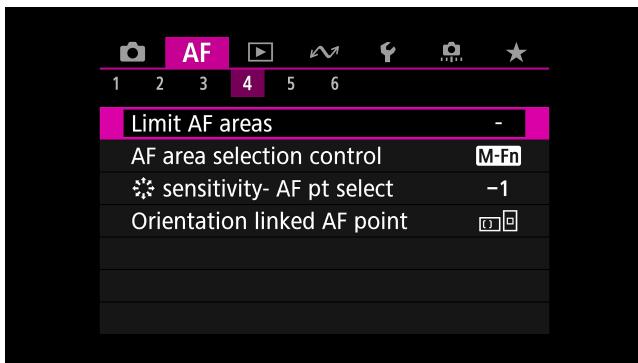
The “cases” presented mean little to wildlife photographers. Instead I suggest setting up custom settings for scenarios that you are most likely to encounter. For example:

- **Birds in flight** - The best strategy is always to lock on early and have the focus hold the subject as it approaches. [Set -2, -2].
- **Erratic, small & difficult birds** (e.g. swallows) - Those subjects that are very hard to keep the focus point one may require the focus to search quicker if the subject is lost [Set -1, 1].

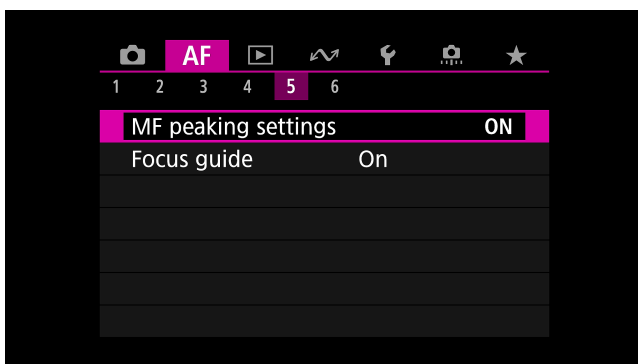
PINK MENU- PHOTO



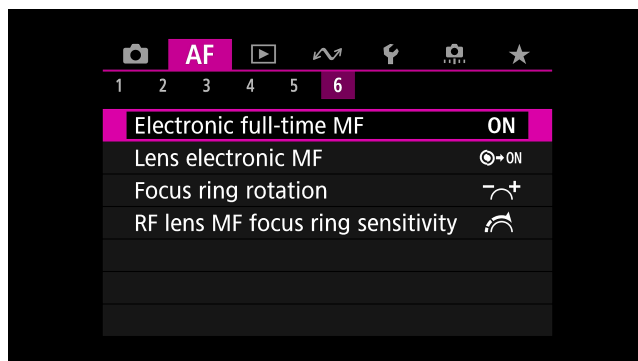
- **One shot af release prior** - Prioritize focus
- **Preview AF** - Disable
- **Lens drive when AF...** - ON
- **AF-assist beam** - LED



- **Limit AF areas** - Disable any you dont use.
- **AF area selection** - M-Fn (PP)
- **Sensitivity AF pt select** - Set to -1 (PP)
- **Orientation Linked pt** - Seperate points

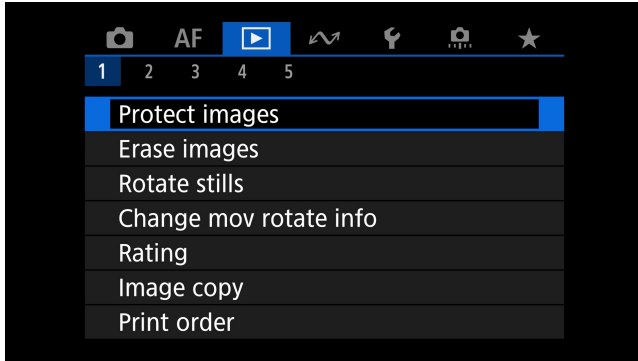


- **MF peaking** - On
- **Focus Guide** - On

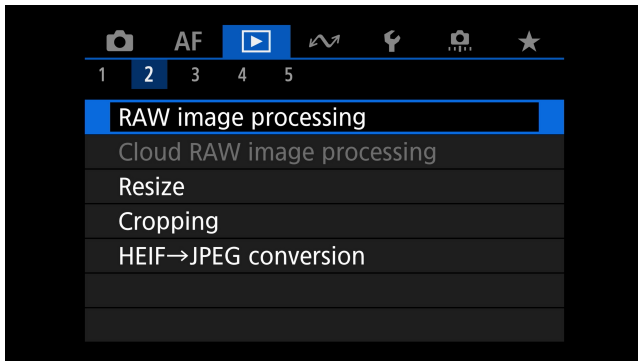


- **Electronic full time MF** - On
- **Lens electronic MF** - On - otherwise RF lenses will not manual focus
- **Focus ring rotation** - Default
- **RF lens MF focus** - Default

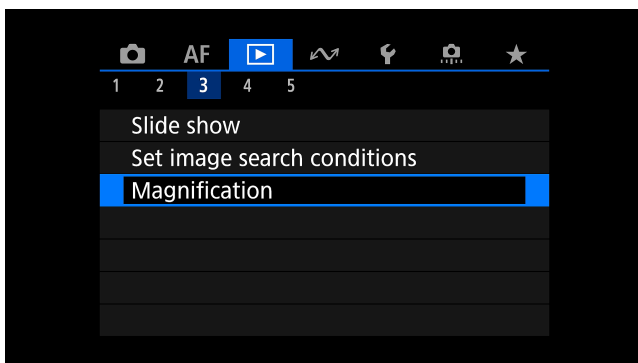
BLUE MENU



- **Protect images** - Use as needed.
- **Erase images** - I prefer to format card.
- **Rotate stills** - Not done on camera.
- **Change mov rotate info** - Default setting.
- **Rating** - Not done on camera.
- **Image copy** - If needed images can be copied from one card to another in camera.
- **Print order** - Only if printing directly.

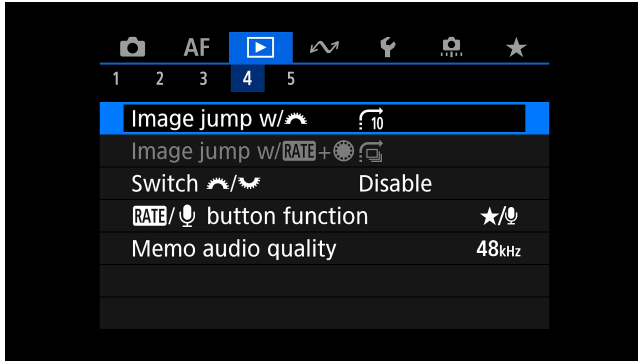


- **RAW processing** - Never used on camera
- **Cloud Processing** - Never used on camera
- **Resize** - Never used on camera
- **Cropping** - Never used on camera
- **HEIF - JPG** - Never used on camera

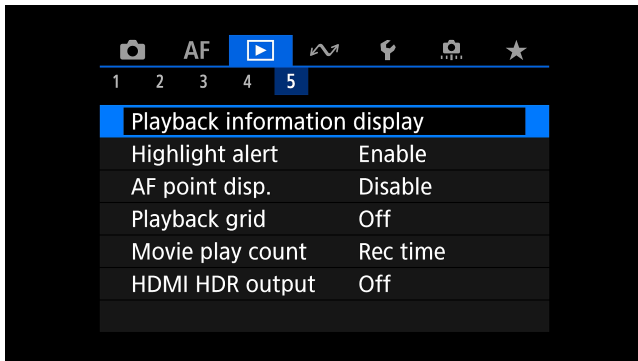


- **Slide show** - Never on camera.
- **Set Search Conditions** - Can limit search (e.g. only jpg, date, etc). Not very useful for most.
- **Magnification** - Actual size from selected pt (P.P.)

BLUE MENU

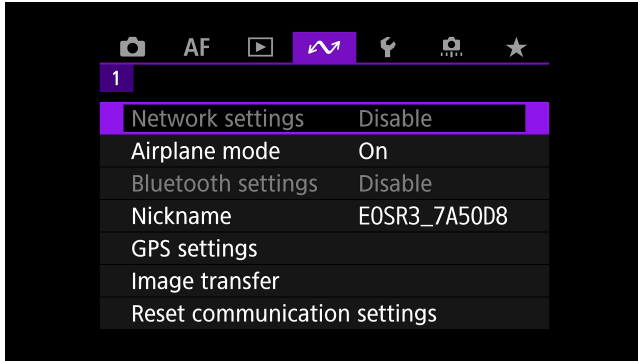


- **Image jump** - 10 pics at a time (P.P.)
- **Image jump w rate** - Default settings (P.P.)
- **Switch** - Disable
- **Rate button** - Default settings (P.P.)
- **Memo quality** - 48kHz



- **Playback Info Display** - (P.P.)
- **Highlight alert** - Enable
- **AF point disp** - Enable (P.P.)
- **Playback grid** - Various grids to check level and composition (P.P.)
- **Movie play count** - What to display during movie playback (P.P.)
- **HDMI HDR Output** - Off

PURPLE MENU

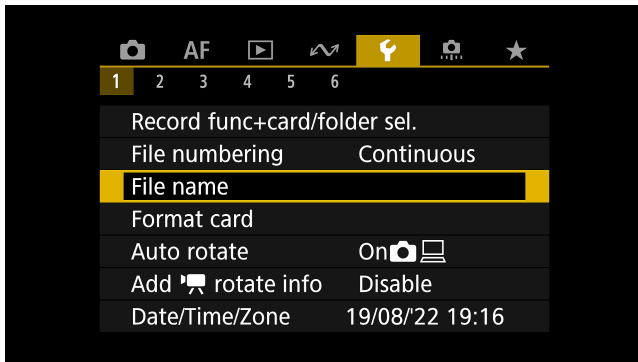


- **Network Settings** - Disable (PP)
- **Airplane Mode** - On (PP) I dont use any of the wifi settings to save battery life
- **Bluetooth Settings** - Disable
- **Nickname** - Change if you like (PP)
- **GPS Settings** - I prefer not to use as it drains battery. (PP)
- **Image transfer** - Settings to wifi file transfer.
- **Reset** - If you need to start fresh

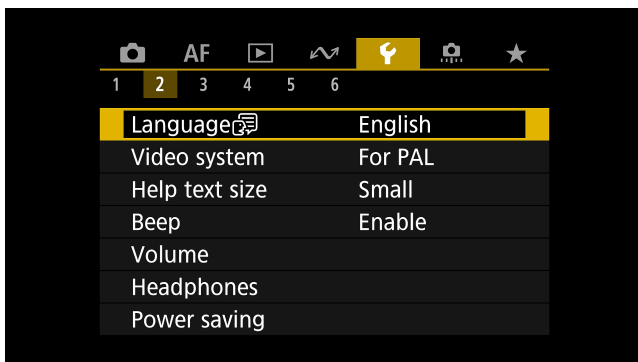
** NOTE - This menu and these settings are more targetted at photojournalists. Most nature photographers have no need for such image transfer capabilities.

These settings can be useful if you want to connect your camera to your phone and do remote shooting using the Canon Camera Connect app.

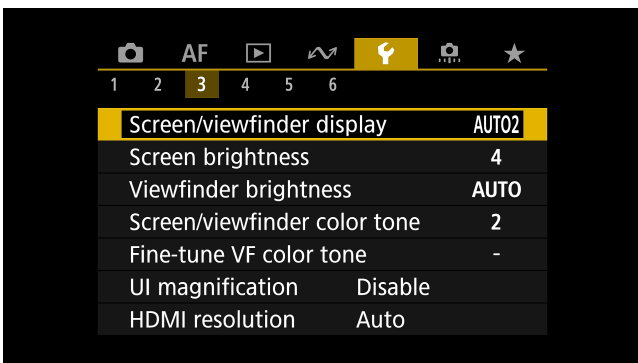
YELLOW MENU



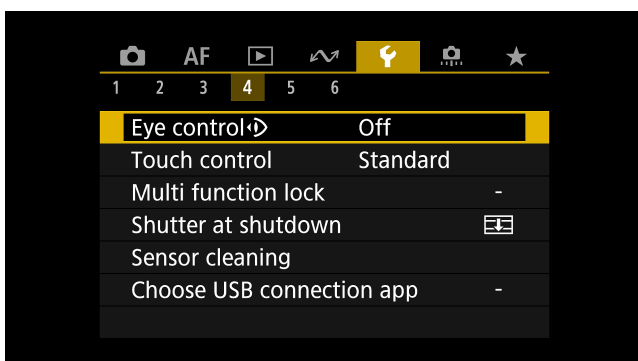
- **Record func +** - Can customize to P.P.
- **File numbering** - Continuous (P.P.)
- **File name** - Default (P.P.)
- **Format card** - I format each time I use a card
- **Auto rotate** - On (middle setting) (P.P.)
- **Add movie rotate info** - Disable
- **Date/Time** - Set accordingly



- **Language** - Set accordingly
- **Video System** - For NTSC (North America) PAL for Australia
- **Help Text Size** - Small
- **Beep** - Enable (P.P.)
- **Volume** - Note that you can adjust the volume of the various sounds on the R3
- **Headphones** - Default
- **Power saving** - 15,15,3,1 PP.

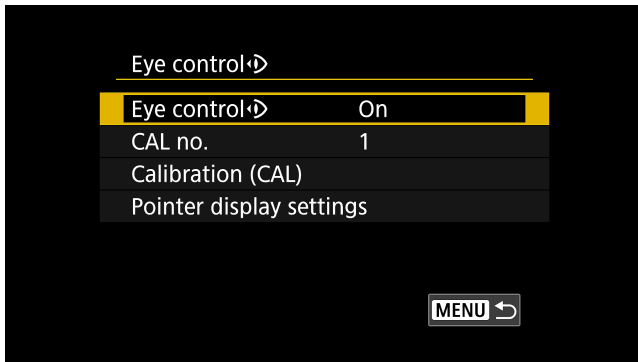


- **Screen Display** - Auto 2
- **Screen Brightness** - 4 (PP)
- **Viewfinder Brightness** - Auto
- **Screen / View Color** - 2
- **Fine-tune VF color** - Default
- **UI magnification** - Disable
- **HDMI Rez** - Auto



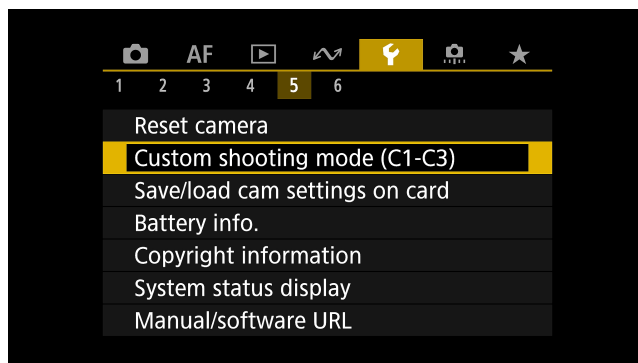
- **Eye Control** - Turn on if desired to try eye control function. Must also calibrate each time you use it.
- **Touch Control** - Standard
- **Multi Func Lock** - Default
- **Shutter at shutdown** - Default (down)
- **Sensor Cleaner** - Default
- **Choose USB connect app** - Default

YELLOW MENU

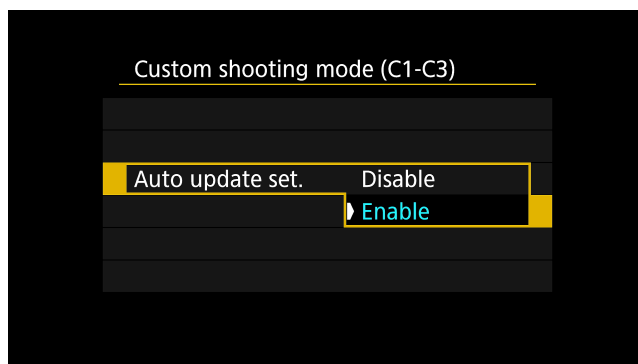


If you want to try the eye control function you will need to calibrate it here.

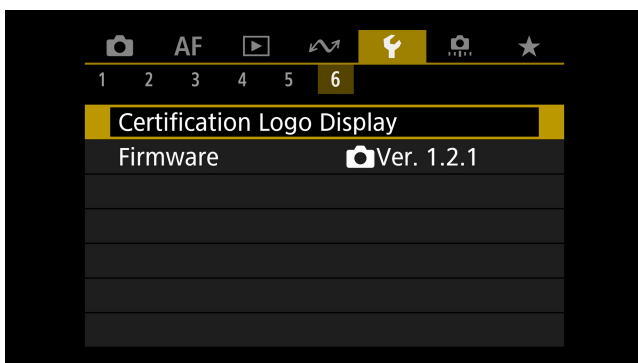
- **Calibrating Eye Control** - Please follow Canon instructions.



- **Reset Camera** - Resets everything
- **Custom shooting modes** - I don't use for still shooting (PP). But I do set a custom setting (C3) here for when shooting videos. This is what the red record button will default to.
- **Battery Info** - Displays battery level and performance
- **Copyright** - Add your copyright info (PP)
- **Manual URL** - links to manual web URL
- **Logo Display** - Displays Logo
- **Firmware** - Displays Firmware

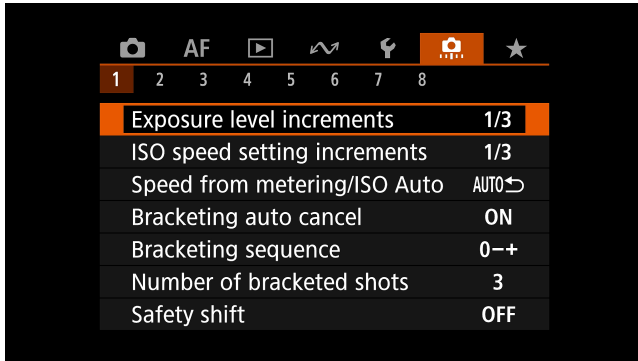


- **Auto update set** - Enable so that changes to custom function settings will be saved automatically (PP).

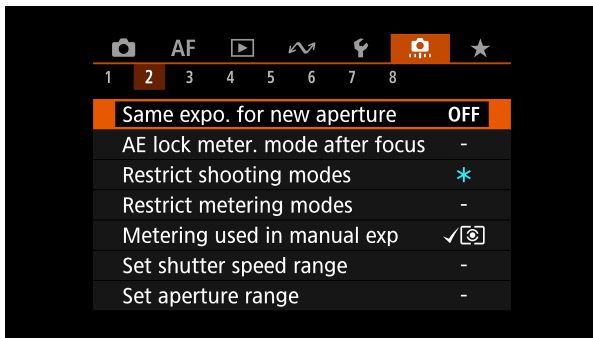


- **Certification Logo** - Logo
- **Firmware** - This is where you can update firmware as needed.

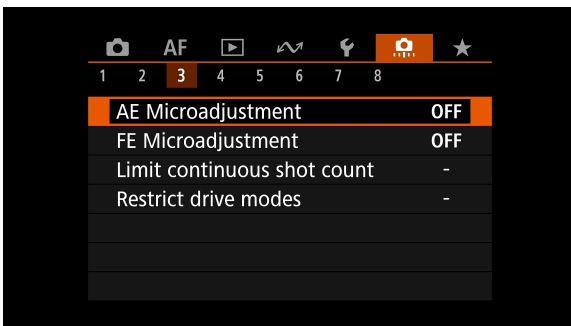
ORANGE MENU



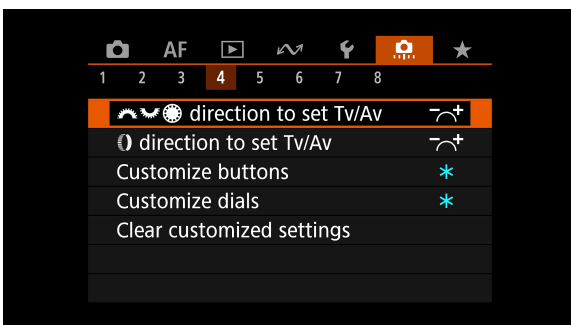
- **Exposure level increments** - 1/3
- **ISO setting increments** - 1/3
- **Speed from metering** - Auto
- **Bracketing auto cancel** - ON - shuts off EXP / WB bracketing after camera turned off. (P.P.)
- **Bracketing sequence** - P.P.
- **Number of bracketed shots** - 3 or 5 (P.P.)
- **Safety Shift** - OFF



- **Same expo for new aperture** - Off
- **AE lock meter** - I enable for all metering modes.
- **Restrict shooting Modes** - Customize desired shooting modes to those you use (PP)
- **Restrict metering modes** - Default
- **Metering used in manual** - Default (PP)
- **Set shutter speed range** - Full range
- **Set aperture range** - Full range

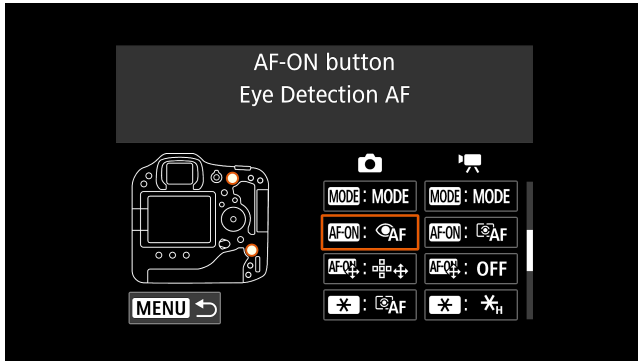


- **AE Microadjust** - Off
- **FE Microadjust** - Off
- **Limit continuous shot count** - Disable (PP)
- **Restrict Drive Modes** - Be sure that High Speed Continuous (HC) is enabled if you want to shoot in this fastest burst mode (up to 195 shots/sec). (PP)



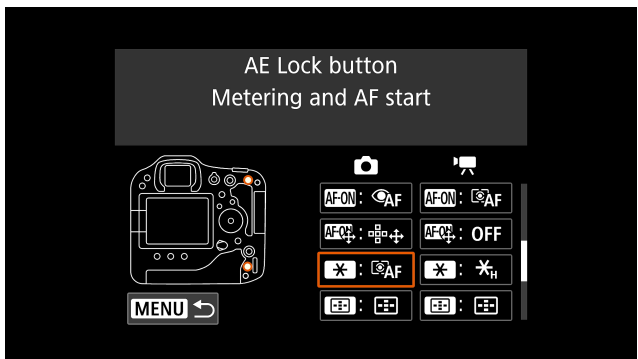
- **Direction to set TV/AV** - Default
- **Direction to set TV/AV** - Default
- **Custom Controls** - Many camera buttons can be customized to user P.P. (e.g. assigning back button focus). See below for how I set up my camera.
- **Custom dials** - Set according to P.P
- **Clear custom** - To reset

ORANGE MENU



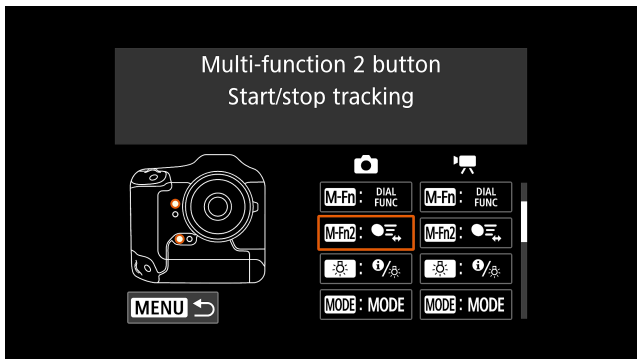
DOUBLE BACK BUTTON AUTOFOCUS & HOW WE SET OUR CUSTOM BUTTONS

- **Shutter** - Metering start (Does not autofocus)
- **AF ON** - Eye Detection Autofocus (details on customization below)
- *** Button** - Metering and AF Start - Single Servo Point (details on customization below)
- **Mfn2** - Start Stop subject tracking to enable or to stop subject tracking in every focus mode.
- **Smart Controller** (AF ON Button) - Can be set to only be one of the autofocus buttons. You can also enable it to move the AF points.



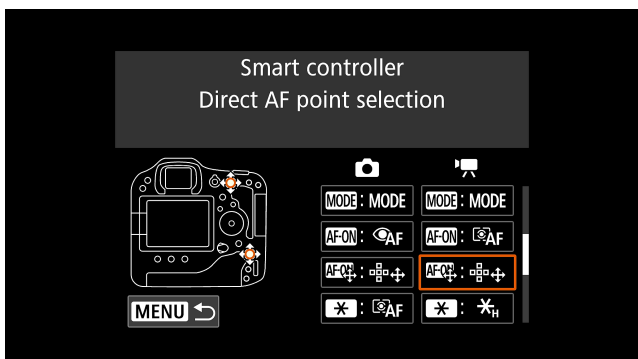
ADDITIONAL CUSTOMIZATION OPTIONS

Note that you can set up your back button focus options specifically to suit your needs. To customize either button hit INFO to access the **Detail Set**.



EXAMPLE - GLENN DOES THE FOLLOWING

Glenn likes to have the star button use the single detail AF point in one shot mode and the AF ON button set to use the animal eye detect. He sets the Servo AF characteristics to maintain current setting (the case we set up in the Purple 2 menu).

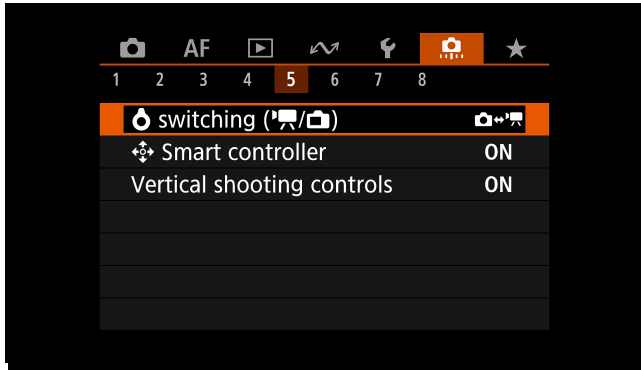


For the Servo eye detect button you will want to use the whole AF area. Subject tracking should be off (although you can turn it on with a separate custom button assigned to the Mfn button).

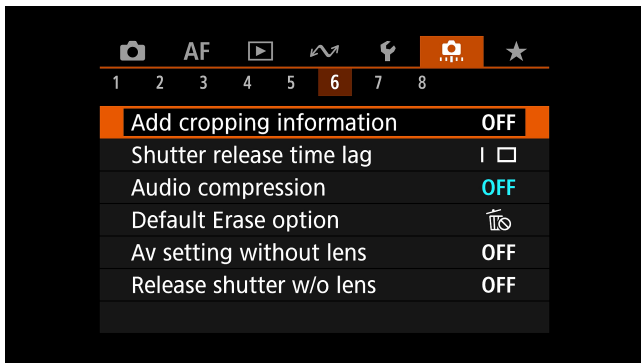
Subject to detect should be animals.

Spot detection and eye detection can be left on.

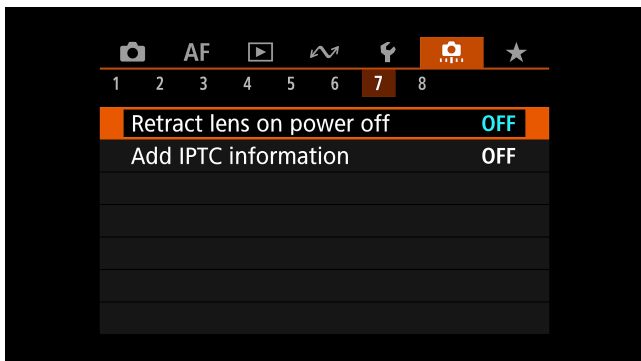
ORANGE MENU



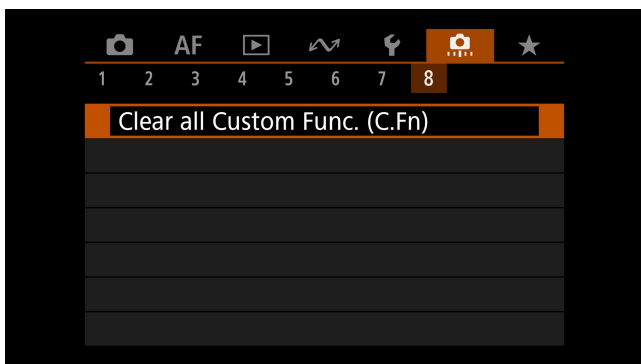
- **Switching** - Default
- **Smart controller** - ON if you want to use the smart controller to move your focus point.
- **Vertical shooting controls** - ON



- **Add cropping info** - Better done in Photoshop
- **Shutter release time lag** - Default
- **Audio compression** - Disable for max audio quality in video.
- **Default Erase** - Erase selected
- **AV setting without lens**- OFF
- **Release shutter w/o lens** - OFF

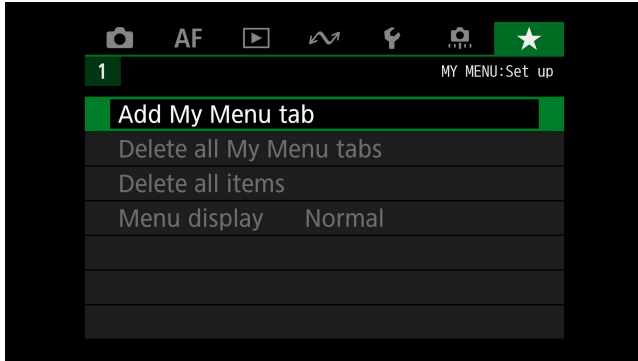


- **Retract lens** - OFF
- **Add IPTC Info** - OFF



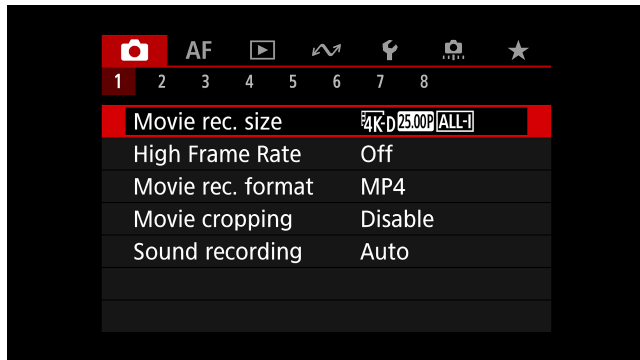
- **Clear Custom func** - To reset all custom functions

GREEN MENU

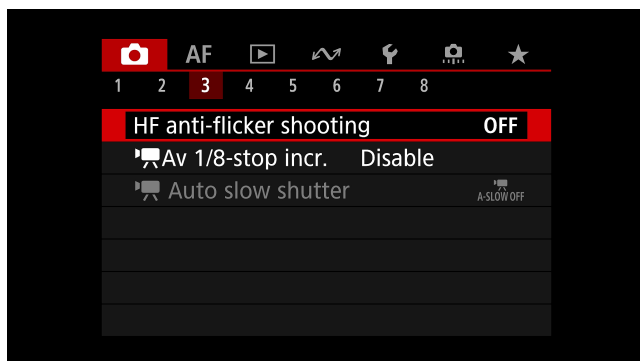
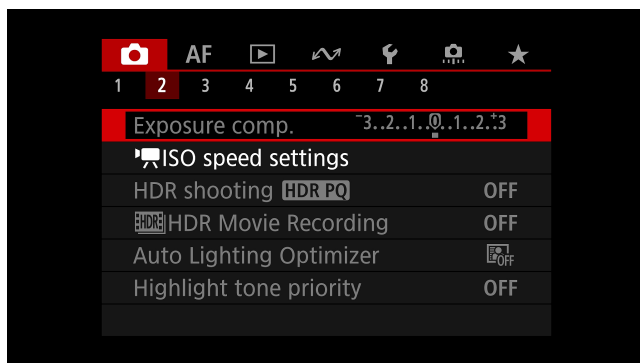
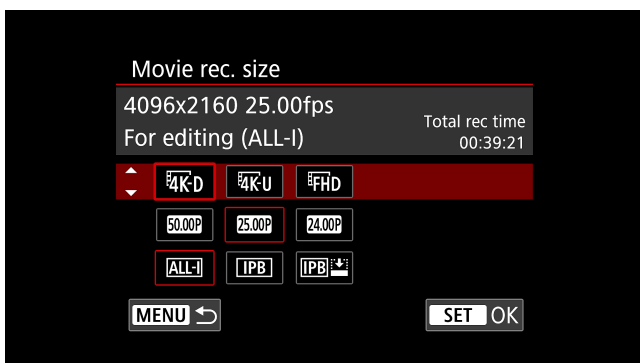


- **Add My Menu tab** - Up to 5 custom menus can be created, named and sorted according to P.P. This is a handy place to store menu settings that you may wish to access quickly such as mirror lockup, the 2 AF parameters of Tracking Sensitivity, Accel/Decel? Shutter Mode? Expo Simulation?, etc.
- **Delete all tabs** - Removes tabs you have added
- **Delete all items** - Removes items you have added
- **Menu display** - Can be personalized so that the menu button takes you straight to the “My Menu” or ONLY shows “My Menu” items.

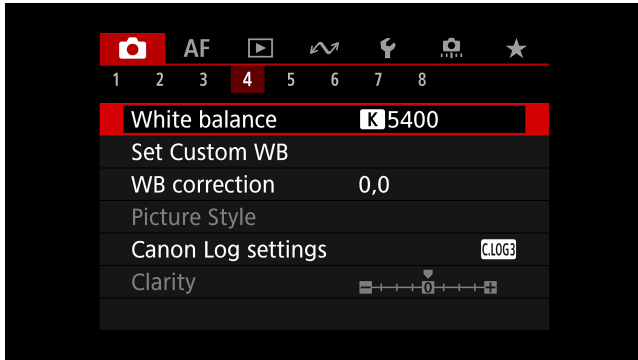
RED MENU- VIDEO SETTINGS OF NOTE



- **Movie Rec Size** - 4kD 25 (PAL) or 29.97 (NTSC) ALL-I
- **High frame Rate** - Off - on if you want to film slow motion video
- **Movie Rec Format** - Select MP4 for 4K recording or select RAW for 6K RAW and RAW light recording. If you activate RAW you will see options to change settings for RAW footage sizes in the movie rec size menu.
- **Movie cropping** - Optional 1.6 crop to get closer.
- **Sound recording** - Auto

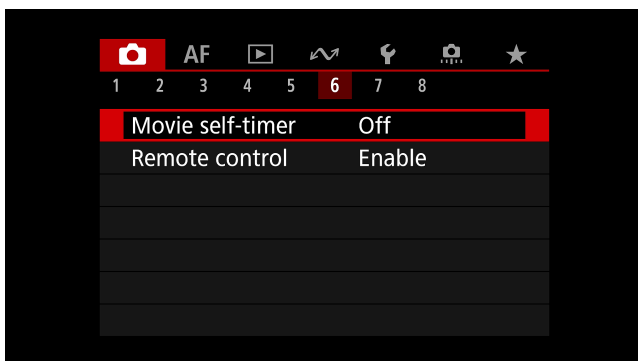
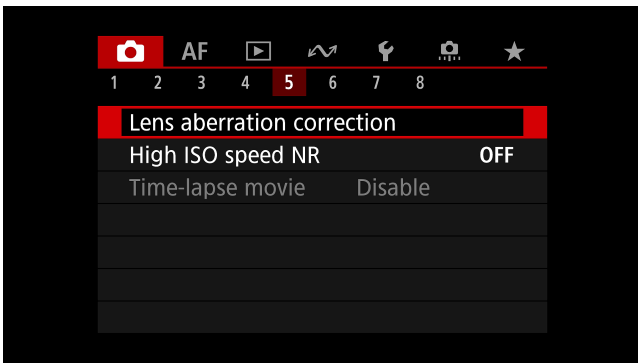
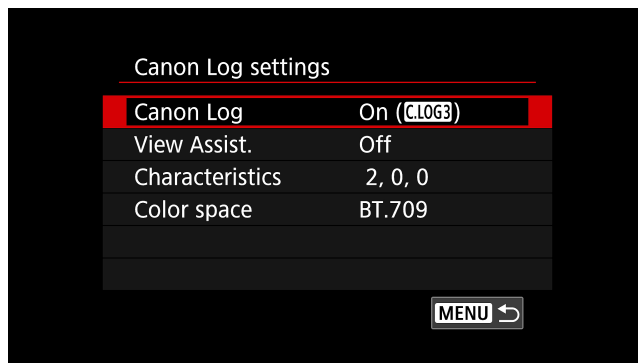


RED MENU- VIDEO SETTINGS OF NOTE

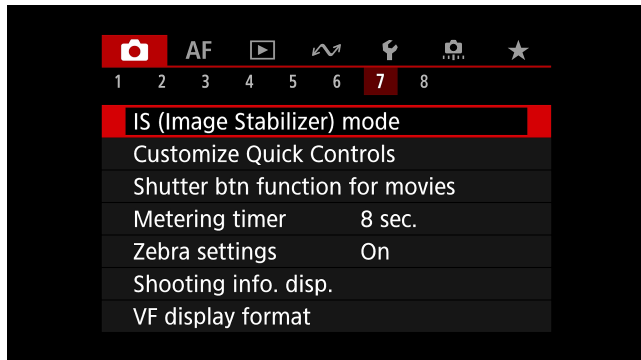


We prefer to select kelvin for white balance to keep a consistent look.

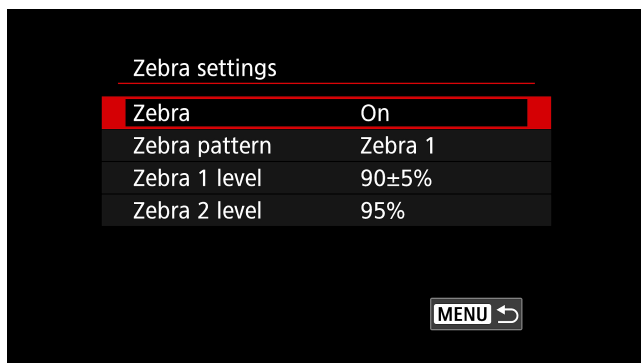
You can select Canon Log 3 if you want a flat neutral profile with maximum dynamic range. This footage will require video editing and the codec for this file type is more difficult to edit.



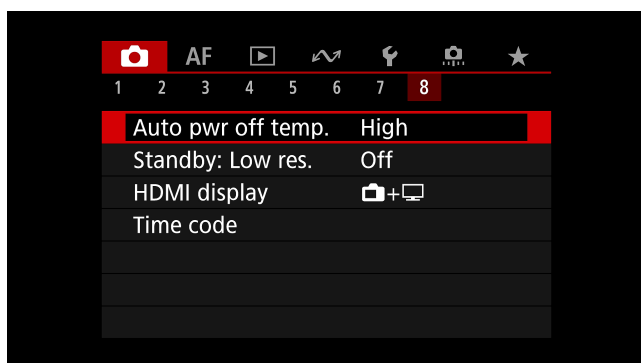
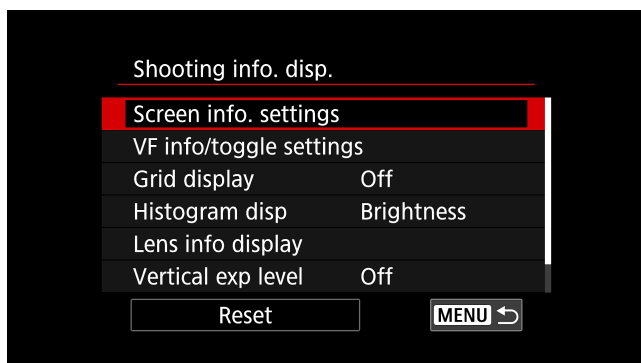
RED MENU- VIDEO SETTINGS OF NOTE



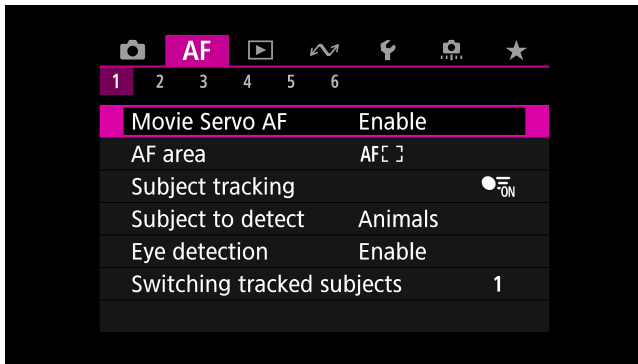
Turn zebra settings on to show highlights that may be too bright.



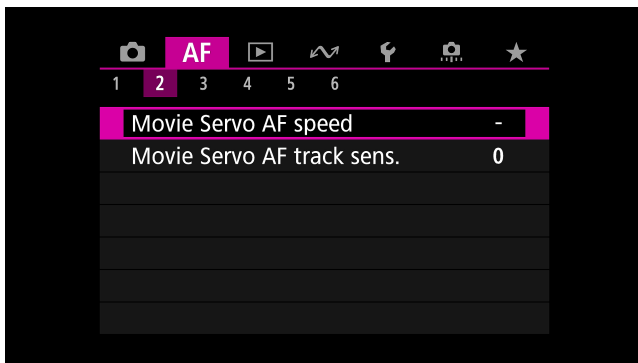
Use the zebra settings here to start and adjust to your needs.



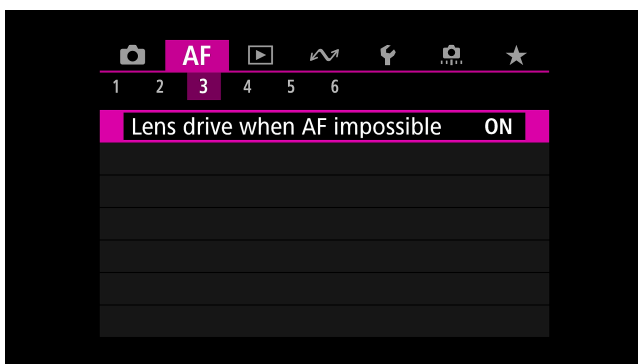
PINK MENU- VIDEO



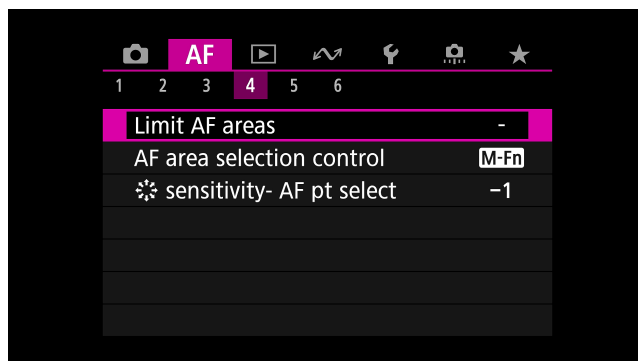
- **Movie Servo AF** - Enable
- **AF area** - Select desired AF area. We recommend a zone with subject tracking on.
- **Subject Tracking** - On - More helpful in video mode than in still mode.
- **Subject to Detect** - Animals
- **Eye Detection** - Enable
- **Switching Subjects** - 1



- **Movie Servo AF Speed** - Default setting
- **Movie Servo AF Track Sens** - 0

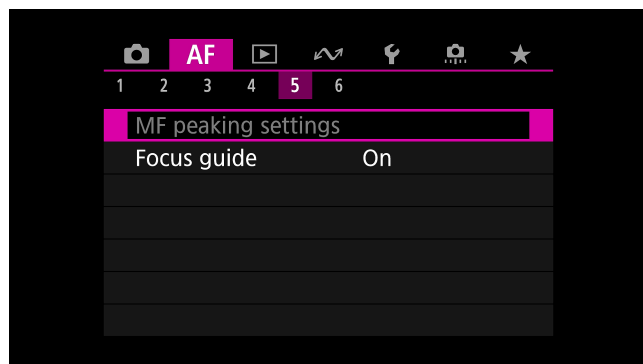


- **Lens Drive with AF impossible** - On

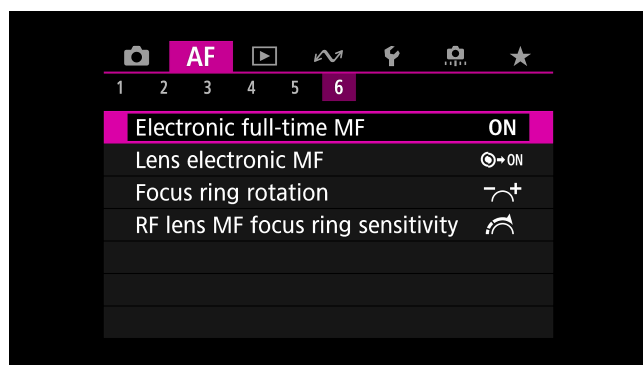


- **Limit AF areas** - Disable any you dont use.
- **AF area selection control** - M-Fn (PP)
- **Sensitivity AF pt select** - -1 for more control of the joystick (PP)

PINK MENU- VIDEO



- **MF Peaking Settings** - Turn On for manual AF assist (use default settings)
- **Focus Guide** - On



- **Electronic full time MF** - On
- **Lens electronic MF** - On - otherwise RF lenses will not manual focus
- **Focus ring rotation** - Default setting (PP)
- **RF lens MF focus ring** - Default setting (PP)