

# NIKON D7200 “SIMPLIFIED” SETUP CHECKLIST



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The following SIMPLIFIED sequential setup checklist is appropriate for Civil Air Patrol daytime aerial photos using the Nikon D7200 DSLR with a Sigma (or Nikon) 200mm zoom lens and a Solmeta GMAX GPS. [Aircraft track in NMEA format is captured by the Solmeta]. Items noted as **[OPTIONAL]** are recommended if setup time allows.

## 1-CHARGE AND/OR CHANGE THE BATTERIES FOR

- Camera-EN-EL15 Battery
- Battery Pack MB D-15-EN-EL15 Battery and/or AA Alkaline (if used)-[See **Note 1** if non-Alkaline batteries are used]
- GMAX GPS (Internal battery)
- Bad Elf GPS (Internal battery), if used

## 2-ASSEMBLE (AND CLEAN IF REQUIRED) ALL THE PARTS

- Camera Body
- Neck strap
- MB-D15 Multi Power Battery Pack (if used)
- Lens (or lenses)
- Lens UV Filter
- Lens Cap(s)
- SD Media Cards-1 for each slot (2 total)
- Solmeta GMAX GPS
- GPS to Camera Cable (secure with **blue tape** if required)
- NO** lens hood (For aerial work)
- GMAX GPS (Internal battery)

## 3-SET THE SWITCHES ON CAMERA BODY AND LENS

- A) Set Camera Body switches including
  - Focus selector lock**-White dot on **L**
  - Live view selector**-White dot on **still camera** position
  - Focus Mode selector**-White line on **AF** position (front body)
- B) Set Lens Switches
  - Lock switch** to **Unlock**
  - AF/M switch** to **AF** (autofocus)
  - OS switch** to **ON** (vibration reduction)
  - Normal/Active switch** to **Active** (if Nikon lens)

## 4-TURN CAMERA POWER SWITCH TO **ON**

## 5-SET UP CAMERA VIEWFINDER (DIOPTER)

- A) Use **diopter adjustment control** for your eye

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## 6-SET CAMERA ITEMS NOT AFFECTED BY DEFAULTS – Use **A** and **B** or **C, D** and **E**

- A) Rotate **Exposure Mode Dial** to **Automatic NoFlash**
- B) Rotate **Release Mode Dial** to **S** (single frame). For continuous release see **Note 2**.

**[OPTIONAL]** For higher shutter speeds to mitigate motion and vibration blur, the **Scene** Mode can be utilized in place of **Automatic NoFlash**.

- C) Rotate **Exposure Mode Dial** to **Scene**
- D) Rotate **Main Command Dial** to show **Sport (Running Man)** on the INFO screen. **[OPTIONAL]** Put **blue tape** over dial to hold dial in place.
- E) Rotate **Release Mode Dial** to **S** (single frame). For continuous release see **Note 2**.

## 7-SET CAMERA DEFAULTS (3 TOTAL)

- A)-Set Two Button Defaults  
[Simultaneously press and hold **Two Green Buttons** until control panel (top) flashes]
- B) Set Shooting Menu Defaults  
[Menu→Shooting Menu→**Reset Shooting Menu**→OK→Yes→OK]
- C) Set Custom Settings Defaults  
[Menu→Custom Settings Menu→**Reset Custom Settings** →OK→Yes→OK]

## 8-CHANGE CERTAIN CAMERA DEFAULTS

- A) Change Image Quality to JPEG Fine  
[Menu→Shooting Menu→Image Quality→OK→**JPEG Fine**→OK]

## 9-FORMAT THE CAMERA MEDIA CARDS (2 TOTAL)

- A) Format Card #1  
[Menu→Setup Menu→Format Memory Card→OK→Slot 1→OK→**Yes**→OK]
- B) Ditto for Card #2

## 10-SET SOLMETA GMAX GPS DEFAULTS/TURN ON/OFF

**Solmeta should not be attached to the camera at this time.**

- A) Restore factory settings  
Press **Power/Home Key** for 3 seconds, scroll down 1 time to **SET?**, press **Enter**.  
Scroll down 1 time to **SET RESTORE?**, Press **Enter**, Press **Enter** (again).  
Unit will shut down automatically **[See Note 3]**.

- B) To turn ON  
Press **Power/Home Key** for 3 seconds. Keep on during entire flight.

- C) To turn OFF  
Press **Power/Home Key** for 6 seconds, **OFF?** will be displayed.  
Press **Enter Key** and unit will power off.

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## 11-BAD ELF SETTINGS AND CALIBRATION (IF REQUIRED)

[See Note 4]

## 12-CHECK SETTINGS AND OPERATIONS/TEST SHOTS

- A) Ensure camera is off.
- B) Mount GPS to camera hot shoe and attach cables.
- C) Go outside, turn camera on, **Menu→Setup Menu→Location data→Position.**
- D) Verify GPS is recording.

**IF OK, SETUP IS COMPLETE**

## NOTES

**NOTE 1**-If using non-Alkaline batteries with the MB-D15 Battery Pack, the following setting changes are required.

- 1) Change Custom Setting D12 to **HR6** (AA Ni-MH) or **FR6** (AA Lithium) as applicable. Change as part of Section 8 of the checklist.

**NOTE 2**-Continuous release **CL or CH** may be appropriate for certain targets. OK to adjust in flight.

**NOTE 3**-Refer to the User Manual for procedure to change defaults and to calibrate the internal compass.

**NOTE 4** Refer to user manual for operation. There is an APP for the Bad Elf. Use of the Bad Elf is not necessary if the Solmeta track is used for FEMA uploading.

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