

Garmin VIRB Elite Reconnaissance Mapping System

Settings and Data Download Procedure

AIRBORNE PHOTOGRAPHER'S OPERATING HANDBOOK CIVIL AIR PATROL

Advanced Digital Imagery System

18 September 2014

D. Downloading Image to Nikon ViewNX2

1. ___ Open and prepare Nikon ViewNX2 as per NX2 APOH.

Primary Destination folder:

YYYYMMDD_Primary Example: 20140803_Primary

Backup Destination folder:

YYYYMMDD_A### Example: 20140803_A008

2. ___ Connect GVE USB cable to the GVE USB port.
3. ___ Connect the USB cable to the computer.
4. ___ In NX2, the number of files appears in **Transfer Que**
5. ___ Click on NX2 **Start Transfer** button.

NOTE: **NX2 Proess** bar activates indicating number of images transferred.

NOTE: After images are transferred, NX2 ejects GVE. Upon removal of download cable from NX2 computer, GVE powers down automatically.

E. Preparing GVE For Next Sortie

1. ___ Power up GVE. (if battery is spent, do step 9 first).
2. ___ Press and release **Power/Mode** key until **SETUP** (Crossed Wrench and Screwdriver icon) highlights.
3. ___ WIFI indicates: **On**, press -- **OK** to turn **WIFI Off**.
4. ___ Press **Power/Mode**, then scroll to **CARD**, press -- **OK**.
5. ___ Scroll to **ERASE**, press -- **OK**. After erase, press -- **OK**.
6. ___ Scroll up to **WIFI**, press -- **OK**. Wifi now **on**. press -- **OK**.
7. ___ Press **Power/Mode** key, GVE defaults to **VIEWFINDER**. (GVE now remembers all settings).
8. ___ To power down, press and hold **Power/Mode** key until GVE powers down.
9. ___ Replace GVE battery with fully charged battery and begin recharging replaced battery.

A. Garmin VIRB Elite (GVE) Settings (Password: garminvirb)

Notes: The Garmin VIRB Elite (GVE) can only be programmed if WiFi is **off**. Ensure most recent **Software Version** installed. As of this date: 3.8; **WLAN** 1.20.

Ensure Del Droid App **VIRB Build Version** 1.3.0 installed.

1. ___ Ensure large video **REC** slide button is positioned away from lens on both the GVE and the Garmin Dive Case.
2. ___ Press and release **Power/Mode** key. (Indicator light near lens glows green to indicate power on. The time indicated in the viewfinder shows time remaining on the microSD card in the VIDEO mode only). The battery icon (upper right hand corner) shows battery charge remaining on GVE. Full icon indicates fully charged battery. The other icon when steady, indicates GPS satellite lock. Flashing icon: GPS search.
3. ___ Press and release **Power/Mode** key until **SETUP** (Crossed Wrench and Screwdriver icon) highlights.
4. ___ If WiFi indicates: **On**, press -- **OK** to turn **WiFi Off**. If WiFi was **Off**, GVE menu displays. Press **Power/Mode** key.
5. ___ Scroll up to **SYSTEM**, press -- **OK**.
6. ___ Scroll down to **Reset Settings**, press -- **OK**.
7. ___ Scroll to **YES**, press -- **OK** twice.
8. ___ Scroll to **Record Light**, press -- **OK**. (Now indicates: **off**)
9. ___ Scroll to **Time/Date**, press -- **OK**.
10. ___ **Time Format:** press -- **OK**. Scroll to **24-Hour**, press -- **OK**.
11. ___ Press **Power/Mode** button twice.
12. ___ Scroll to **PHOTOS**, press -- **OK**.
13. ___ Scroll to **Self Timer**, press -- **OK**.
14. ___ Scroll to desired interval, press -- **OK**.
15. ___ At **Repeat Off**, scroll to **Repeat On**. Press -- **OK**.
16. ___ Press **Power/Mode**, scroll to **ADVANCED**, press -- **OK**.
17. ___ At **Lens Correct**, press -- **OK**. (Now Indicates: **on**).

18. ___ At **Field of View: Ultra-Zoom**, press -- **OK**.
19. ___ Scroll to **Stabilizer**, press -- **OK**. (Now indicates: **on**).
20. ___ Press **Power/Mode**, then scroll to **CARD**, press -- **OK**.
21. ___ Scroll to **ERASE**, press -- **OK**. After erase, press -- **OK**.
22. ___ Scroll up to **WiFi**, press -- **OK**. Wifi now **on**. press -- **OK**.
23. ___ Press **Power/Mode** key, GVE defaults to **VIEWFINDER**. (GVE now remembers all settings).
24. ___ To power down, press and hold **Power/Mode** key until GVE powers down.

B. Pairing GVE with Dell Venue 7 (DV7) or Other Controller Device

1. ___ Ensure fully charged batter is installed in GVE. Ensure DV7 is charged. Power up GVE and ensure Wifi is **on**.
2. ___ Power up DV7 or other device with VIRB app installed.
3. ___ Select APPS page is selected and activate **Settings** on DV7.
4. ___ Select appropriate VIRB-(WXYZ) from Wifi list.
5. ___ Select **Connect**. Return to **APPS** page and select **VIRB** app.
6. ___ DV7 pairs with GVE and shows camera view.

C. Taking Single Images with GVE

1. ___ DV7, activate camera icon in lower left of page. Video View disappears while capturing images.
2. ___ **Capturing Images** appear on DV7 screen. Green activation light slowly blinks green off and on. Controller can be turned off and GVE continues to taking images. To end taking
NOTE: First image not taken until end of first interval.
3. ___ To stop taking images, press camera icon. Video view returns.
4. ___ To power down GVE, press and hold **Mode/Power** key until GVE powers down.
5. ___ Power down DV7 or controller.