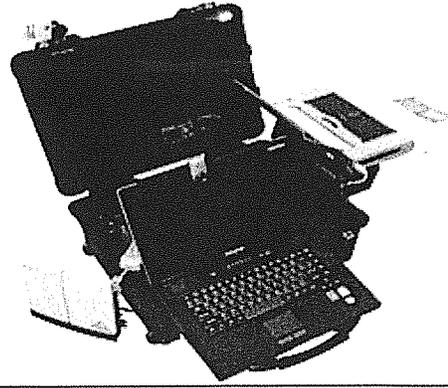




# Virginia Defense Force TAC-PAK Quick Start Guide

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(excerpted from Army National Guard TAC-PAK Training Manual V 8.29.11)



## FIELD OPERATION REFERENCE (Local Mode)

### TACPAK SETUP

- Connect to AC or DC power or, run off battery
- Fold out printer
- Turn on Master Power switch
- Turn on Component switches as desired (Note - run laptop off it's battery until drained, then turn on TACPAK Computer switch)
- Monitor internal battery charge via LEDs

### PRINTER

- Insert USB cables into laptop
- Turn on Printer power switches (Control Panel and on Printer body)
- Move paper thickness lever on printer to "Paper" icon
- Select Canon ip100 from laptop and print
- Change cartridges by opening printer cover, waiting for carriage to center, and snapping out/in replacement cartridges

### COPIER / SCANNER

- Insert USB cables into laptop
- Turn on Printer power switches (Control Panel and on Printer body)
- Move printer paper thickness lever on printer to "Paper" Icon
- Insert paper face down into scanner
- Scanned image will automatically be displayed on laptop
- Print multiple copies as desired
- Note: if scanned document is poor quality, recalibrate scanner by selecting Start/Devices and Printers. Then right click on XP100 and select calibrate. Next insert a white sheet of paper into the scanner and let the process finish.

### GPS

- Turn on and select ground/air mode from screen
- Create routes using screen icons
- Charge GPS by removing battery cover and inserting 12v USB cable into USB port. NOTE - USB port visible on back of GPS is for an external antenna connection and WILL NOT charge the battery.

### ROUTER

- Connect up to 3 aircards to USB ports/miniPC port, or, connect satellite terminal to BLUE RJ45 WAN port
- Wait 2 minutes for aircard connection, or deploy satellite, acquire signal, disconnect and reconnect RJ45 cable from BLUE WAN port
- *Wired operation:* Connect laptops to yellow LAN ports
- *Wireless operation:* Ensure "Radio" switch is ON on top of router
- Ensure laptop wireless switch is ON
- Open "View Wireless Networks" in laptop System Tray
- Select TACPAK wireless network, enter password and connect

### VIDEO CAMERA

- Insert SD card
- Create and review video
- Video transfer to TAC-PAK by removing SD card from camera and inserting into laptop SD card reader slot
- Charge Video Camera battery by plugging AC charger between TACPAK and Video Camera or obtaining separate(optiona1) AC battery charging cradle

### EXLIM CAMERA

- Charge Battery via USB cable behind side cover
- Insert micro SD card by turning chrome knob on side of EXLIM to open cover
- Power on
- Take photo
- Photo transfer to TAC-PAK via USB cable or inserting MicroSD card into SD card carrier and inserting into laptop

## FIELD OPERATION REFERENCE (Reachback Mode)

### RADIO INTEROP

#### **Radio Connect:**

- Establish Internet connection
- Insert xmt cables 1 and 2 into respective laptop USB port and Radio 10 box port
- Start DUO1 and DUO2 (if needed) software
- Connect Link radios 1 and 2 to respective cables and insert RJ45 connector into respective xmt port
- Set link radio to 50% volume, and place 6ft away from TACPAK
- Press "Apply" on DUOI software to check for Morse code out of handheld radio
- Select desired Talk Group and click "Connect"
- Start talking to others in Talk Group

#### **Laptop Connect:**

- Establish Internet connection
- Start VBS software
- Select desired Talk Group
- Click "Connect"
- Speak with others in the Talk Group by pressing PTT button

### SKYPE

- Establish Internet connection
- Open Skype and sign in
- Plug in VoIP phone
- Dial using laptop keypad
- Note - calls to non-Skype numbers require purchase of Skype Credit

### POLYCOM VIDEOCONFERENCE

- Establish Internet connection directly to laptop (do not use router)
- Start Polycom PVX
- Obtain IP address of videoconference party to be called
- Enter IP address into Polycom window
- Click "Call" to initiate videoconference

### VERIZON AIRCARD

- Insert into router for shared Internet connection, wait 2 minutes for signal acquisition
- Or, open laptop VZAccess Manager and insert USB into laptop for individual connection
- Click "Connect" and surf Internet

### BGAN SATELLITE TERMINAL

- Place BGAN INMARSAT satellite terminal outside in an area with no overhead obstructions
- Press and hold satellite terminal Power button to turn on
- For initial satellite acquisition, angle terminal approximately 45 Degrees and face towards equator
- Move satellite terminal until highest strength signal is obtained as indicated by signal strength LEDs or beeping
- Set terminal down and push the "Audio" icon button for 20seconds, then release to initiate satellite voice/data connection. The terminal may take up to 3 minutes to acquire a satellite connection.
- Once satellite signal is obtained (as indicated by signal strength lights changing to single lit LED), disconnect the RJ45 cable from the blue router port, wait 30 seconds, and re-connect it. This provides the router with appropriate satellite terminal DNS. Now, wait 30sec and connect to router wirelessly by selecting wireless from "View Available Wireless Connections" icon in laptop System Tray and entering WiFi password for multi-user Internet.
- Alternately, connect BGAN directly to TACPAK laptop RJ45 port for individual Internet connection.
- Alternately, directly connect to BGAN wirelessly by selecting BGAN wireless from "View Available Wireless Connections" icon in laptop System Tray and entering WiFi password.