



POWER USAGE APP

ENHANCED FEATURE AVAILABLE WITH GALVION'S NERV CENTR POWER & DATA HUB (PDH-2)

The Nerv Centr **POWER USAGE APP** is an integrated capability for the Galvion Power & Data Hub (PDH-2) that helps operators and tactical leaders monitor and manage their mission power demands in real time. It also lets them plan for more efficient and agile future missions by knowing how many batteries are required to complete the tasks. Every battery, charger and cable that can be eliminated from physical load because of data gathered, analyzed, and modeled means a more successful mission.

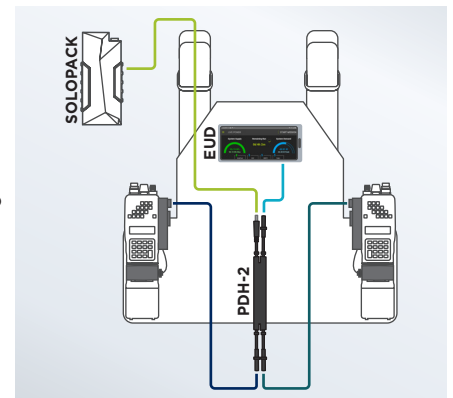


Android and ATAK compatible



KEY FEATURES

- Displays **LIVE POWER** per port, providing data on peaks, averages, and power use.
 - The app detects what device is plugged in and adjust ports and options accordingly.
 - A PDH-2 hub port can be disabled from the app; this feature provides assurance that no phantom power is drawn by a device.
- View **POWER ANALYSIS** by mission or date for detailed understanding of power usage.
 - View aggregated data over time-period or mission duration.
 - View prior data as time-based charts to analyze correlation across devices.
 - Import power logs from devices post-mission if EUD was not used.
 - Simplified access to system info
- Use **POWER MODELING** to predict power needs and choose battery types based on mission parameters.
 - Collects power logs as user-defined missions
 - Plan quantity/types of batteries needed
 - Estimates remaining run time based on attached power and devices.



COMPATIBILITY

- Compatible with the latest Samsung® and Samsung® Tactical Edition devices
- Any device operating on Android Version 8.0 or higher OS can use the app.
- Available as an ATAK Plug-In* and stand-alone Android application.

Download at **NERV CENTR® APPS ON GOOGLE PLAY**

**Contact Sales Support for the latest set of compatible ATAK versions*

LIVE POWER

57 minutes

- START / STOP MISSION**
- Collect data as named sets to simplify analysis
 - Export data to analyze offline
 - Transfer device power profiles to another device

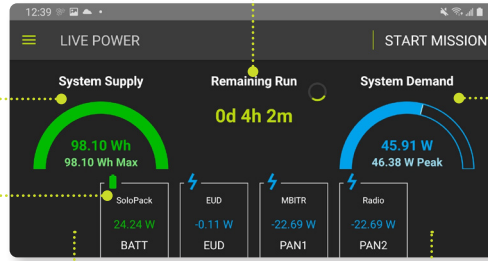
ESTIMATED REMAINING RUN TIME
Customize Low Power Alert setting to suit mission needs

SYSTEM SUPPLY
Total battery capacity and current battery level of SMBus battery



VOLTMETER

Live voltmeter on Power port to assist when positioning solar blanket - voltage increases as solar blanket is better angled towards sun



PORT INFORMATION
Tap on individual port for more detailed information

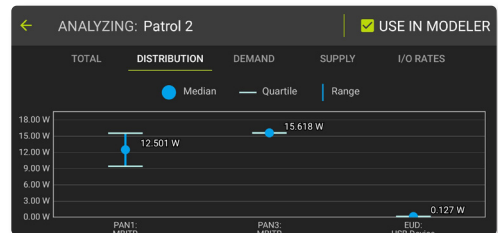
SYSTEM DEMAND
Combined average and peak power usage of all connected devices

ANALYZE POWER

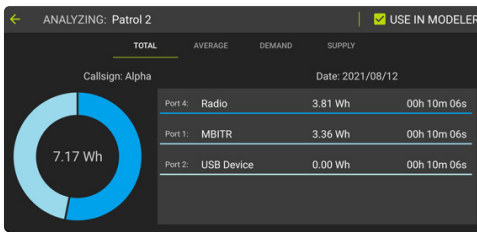
Manage mission data (data sets organized by date and name)

Mission	Callsign	Date	Delete
Patrol 2	Alpha	2021/08/12 04:01 - 04:11	
Recon	Alpha	2021/08/10 11:58 - 15:04	
Patrol 1	Alpha	2021/08/10 11:54 - 11:58	

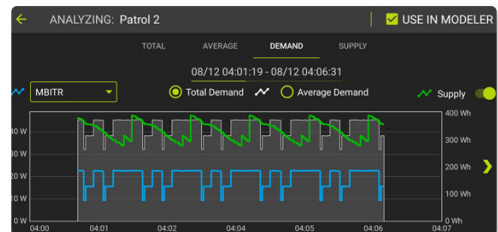
Analyze range of power usage by device (bars show quartiles)



Analyze total power usage by device



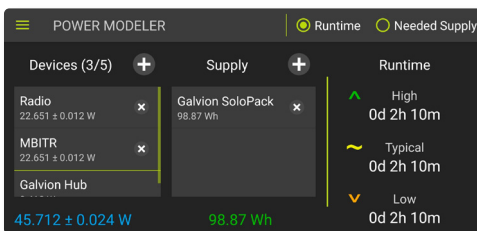
Analyze power supply over time, including charge cycles



Option to include Mission data in Modeler predictions of future power needs

POWER MODELER

Model kit devices and supplies to estimate runtime



Model kit devices and runtime to estimate supplies needed

