MISSION-CRITICAL
INTERCONNECT SOLUTIONS

Glenair®

JTAC-TOUGH™

STAR-PAN™ Android Remote (SPAR) and Plug-In

QUICK-START USER'S GUIDE

SEPTEMBER 2021

STAR-PAN: The Battle-Tested, Multiport USB Hub, Cable, and Power Management Solution

STAR-PAN Android Remote and Plug-In Quick-Start User's Guide

Launching SPAR (Android Remote Power Management App)

SPAR Loading Screen

SPAR Basic Operation

Home Screen Operations:
- System Status
- AUX Power Status

AC Power Supply Status
- Enabling and Disabling Devices
- Enabled-Device Power Consumption

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- Accessing Detailed Data
- Changing Port Names

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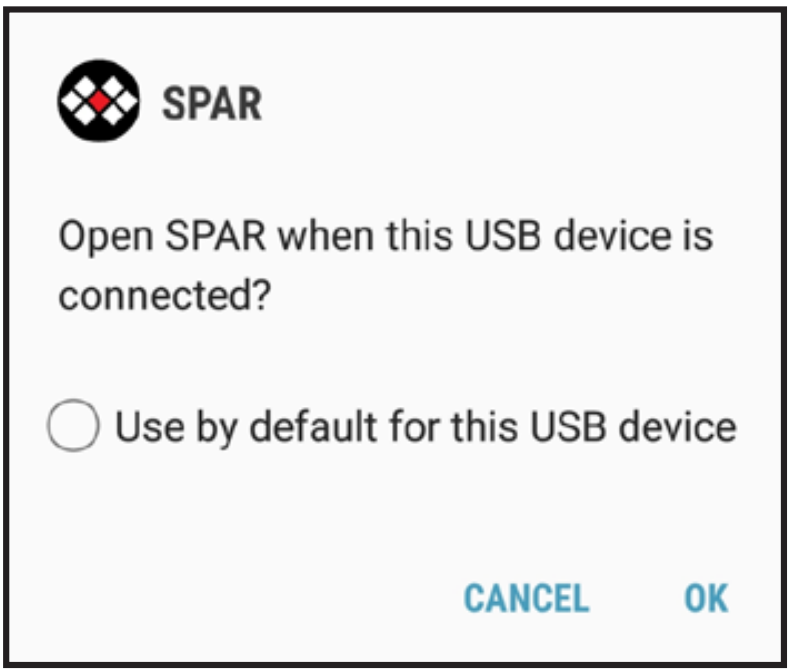
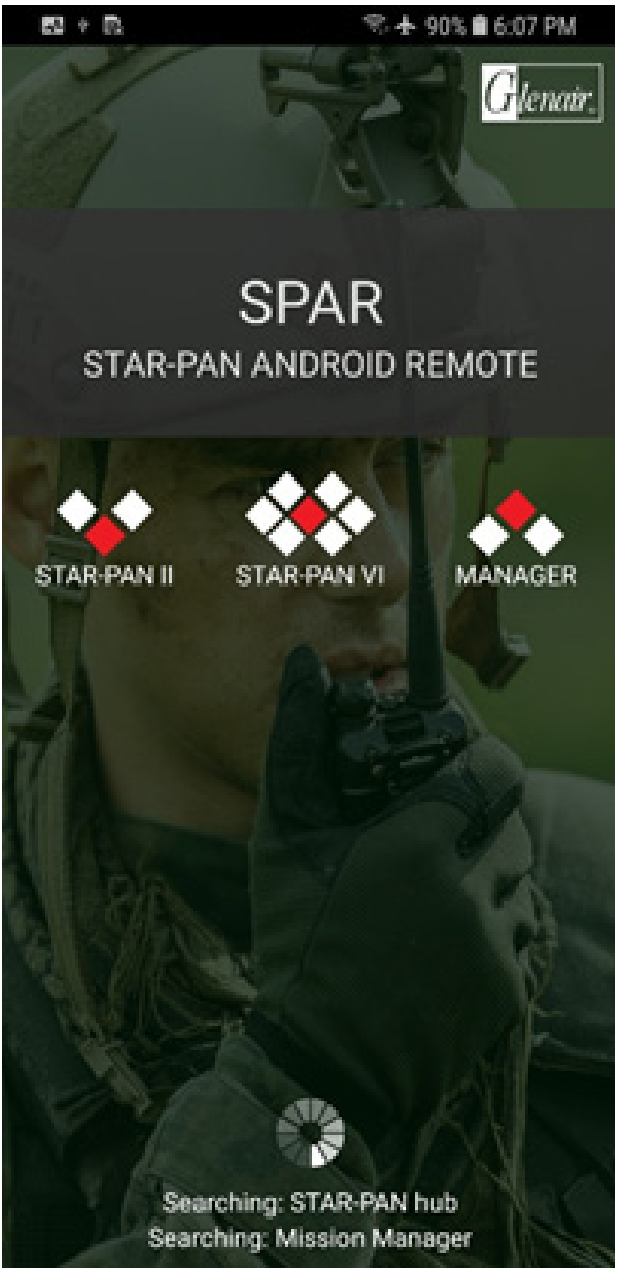
ATAK SPAR Plugin:
- Installation
- SPAR Loading Screen
- Home Screen
- Accessing Additional Data
- Launch SPAR

Launching SPAR (STAR-PAN Android Remote Power Management App)



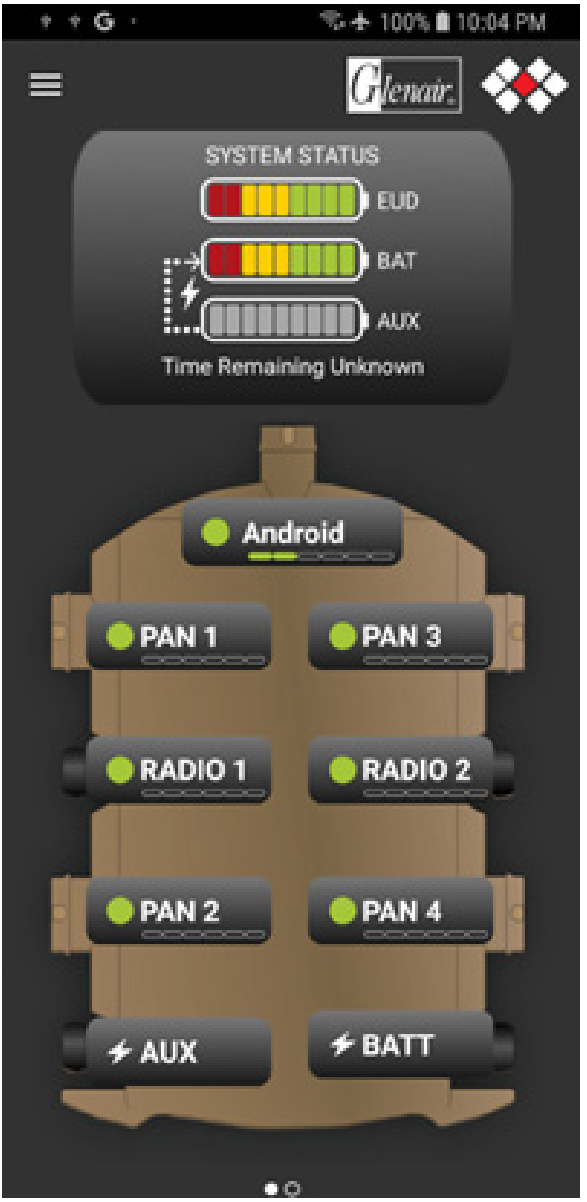
Once connected, the EUD Host will recognize the STAR-PAN VI connection and a prompt to “Open SPAR when this USB device is connected” will appear. Select “Use by default for this USB device” and tap “OK” for SPAR to automatically launch when connected to the STAR-PAN VI hub.

SPAR Loading Screen



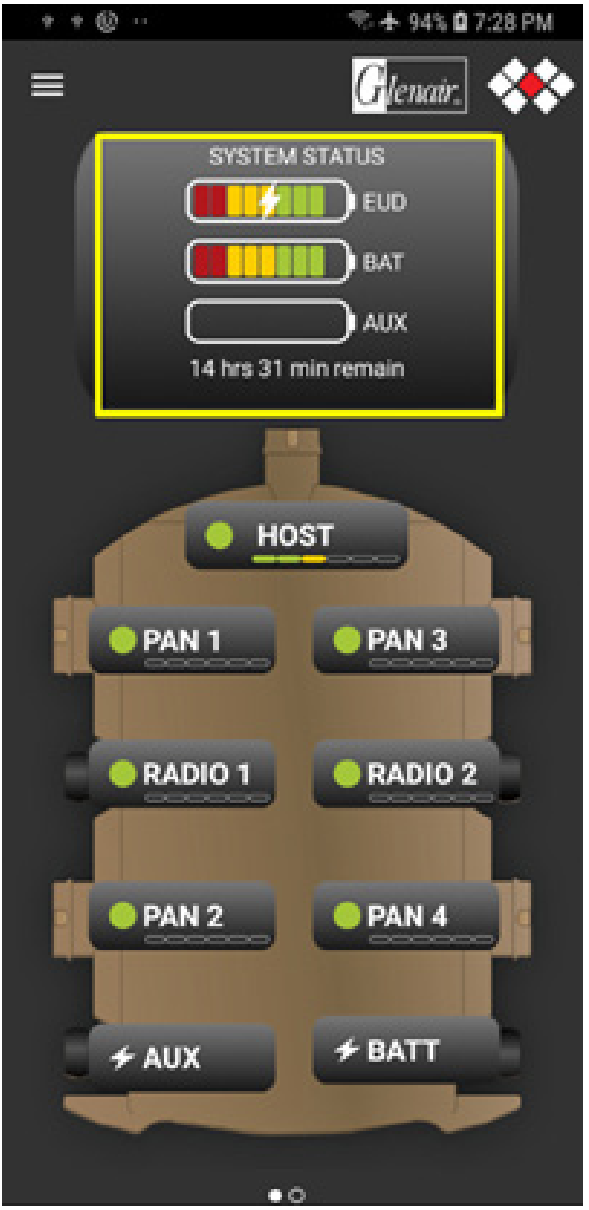
Always appears when first connecting to SPAR, or if the host becomes disconnected from STAR-PAN VI while SPAR is open

SPAR Basic Operation



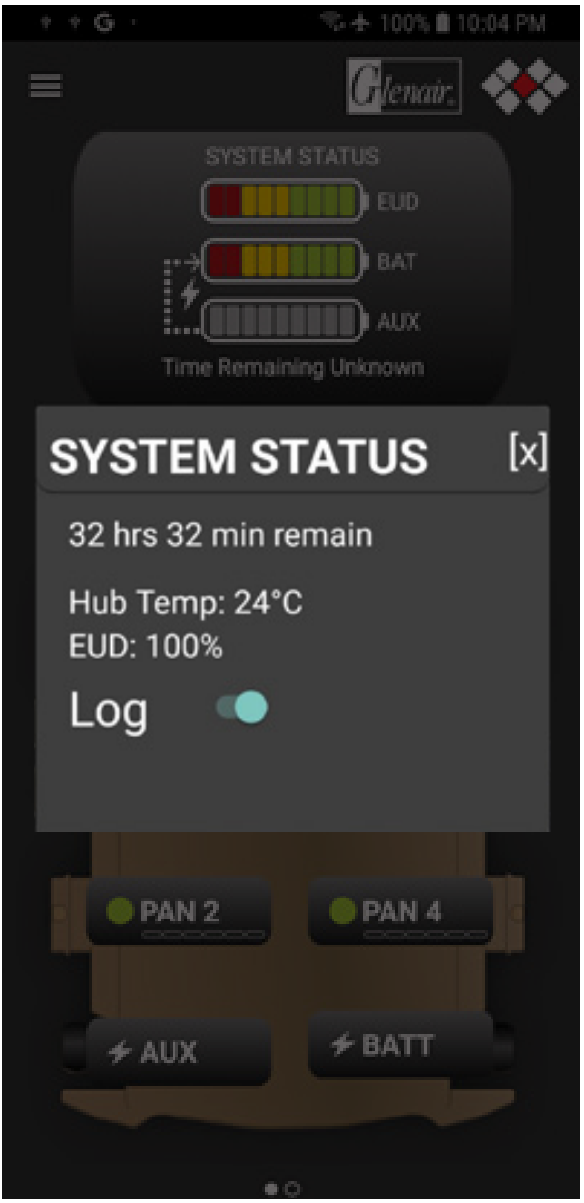
- Tap to select any item
- Swipe right or Tap ☰ for Menu
- Swipe left from any screen for *Detailed Home Screen* view
- Swipe up or down on *Detailed Home Screen* to scroll through port-detail screens
- Swipe right to return to the previous screen

Home Screen: System Status



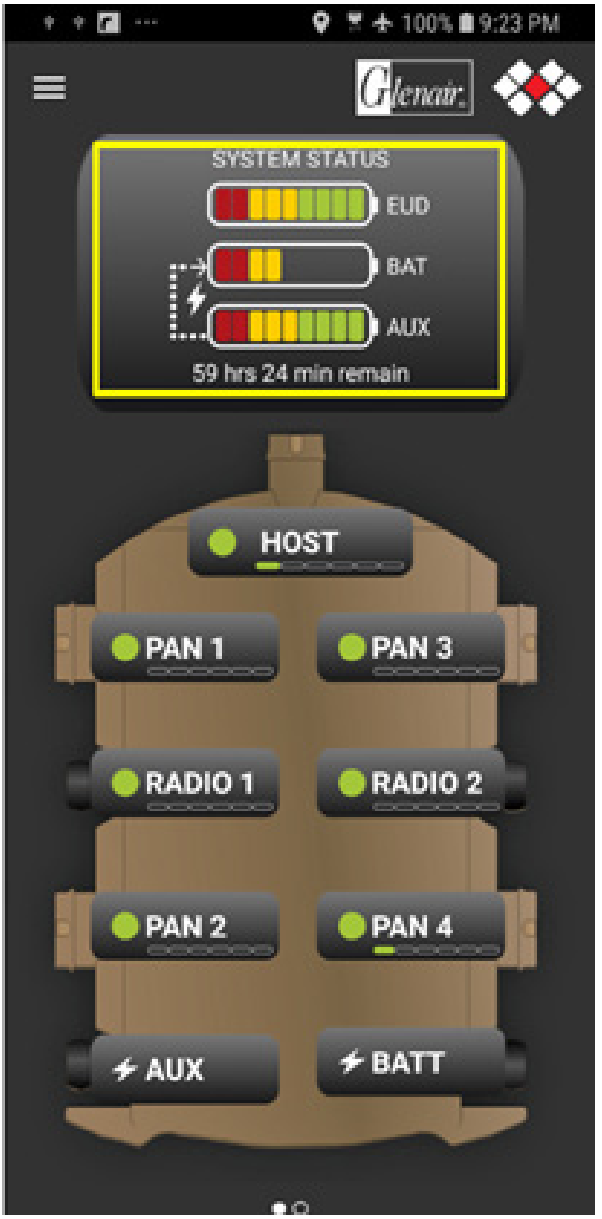
System Status Box shows charging hours and minutes remaining in EUD, and both BATTERY power supplies for use by all enabled devices attached to the hub (for SMBus-compatible batteries). Time will not consider peripheral device autonomy or radio battery sources connected w/ RPB.

Home Screen: System Status



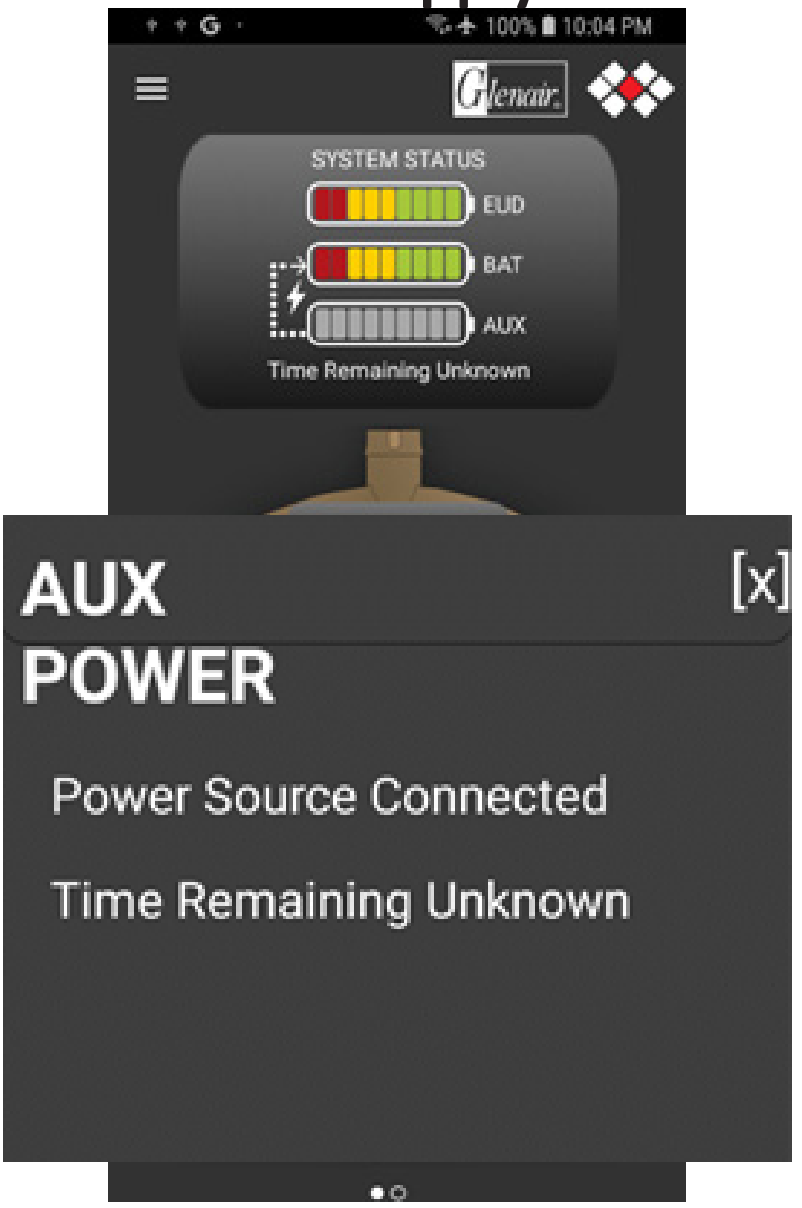
Tap the System Status Box and toggle the “Log” to allow for post mission analysis of power consumption. The “Log” will report the amount of power used enabling the proper battery choice for future missions.

Home Screen:
AUX Power Status



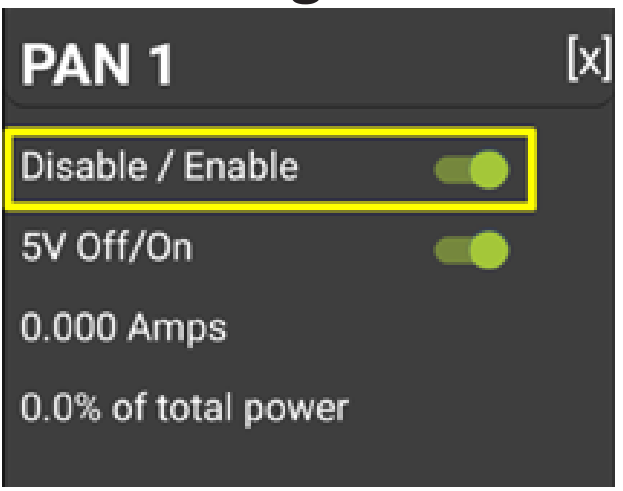
If an auxiliary power supply is connected to the STAR-PAN Hub, it is used by the system to charge the main battery, and individual port devices.

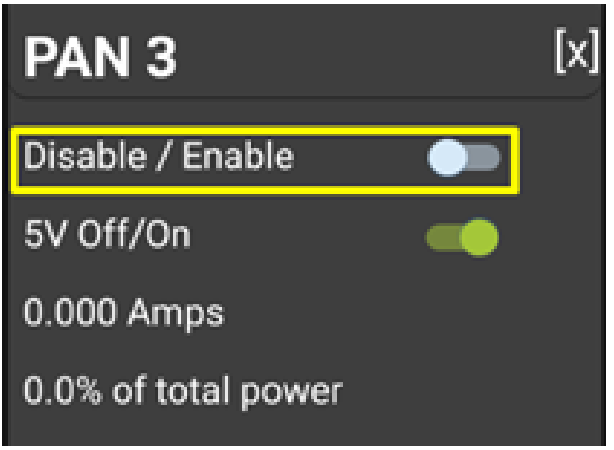
Home Screen:
AC Power Supply Status



If the AUX power port is plugged to an AC power supply, the AUX power status bar will appear light gray and state “Time Remaining Unknown,” since the source of the power supply is essentially unlimited.

Home Screen: Enabling and Disabling Devices





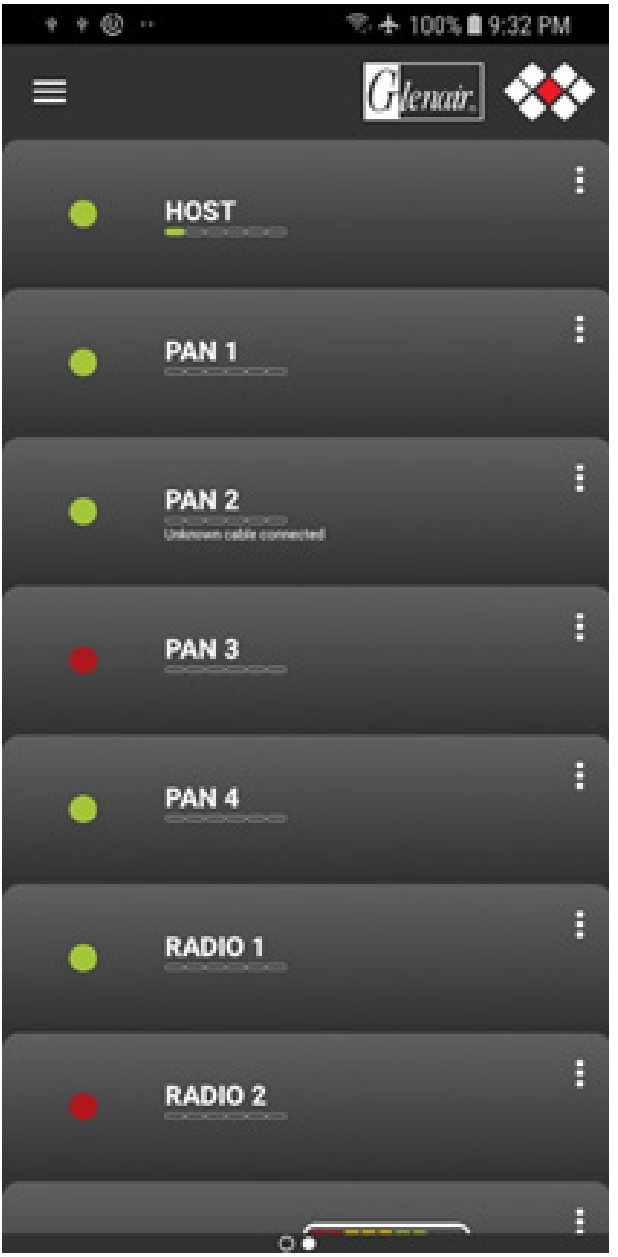
Disable/Enable function allows user to save power by Disabling battery power supply to peripherals without cutting data communication. Tap on port device name and use the toggle to Disable / Enable the port.

- *Red dots* 19v line is disabled and not drawing power on that line
- *Green dots* indicate 19v line is enabled and drawing power on that line

Home Screen: Enabled-Device Power Consumption

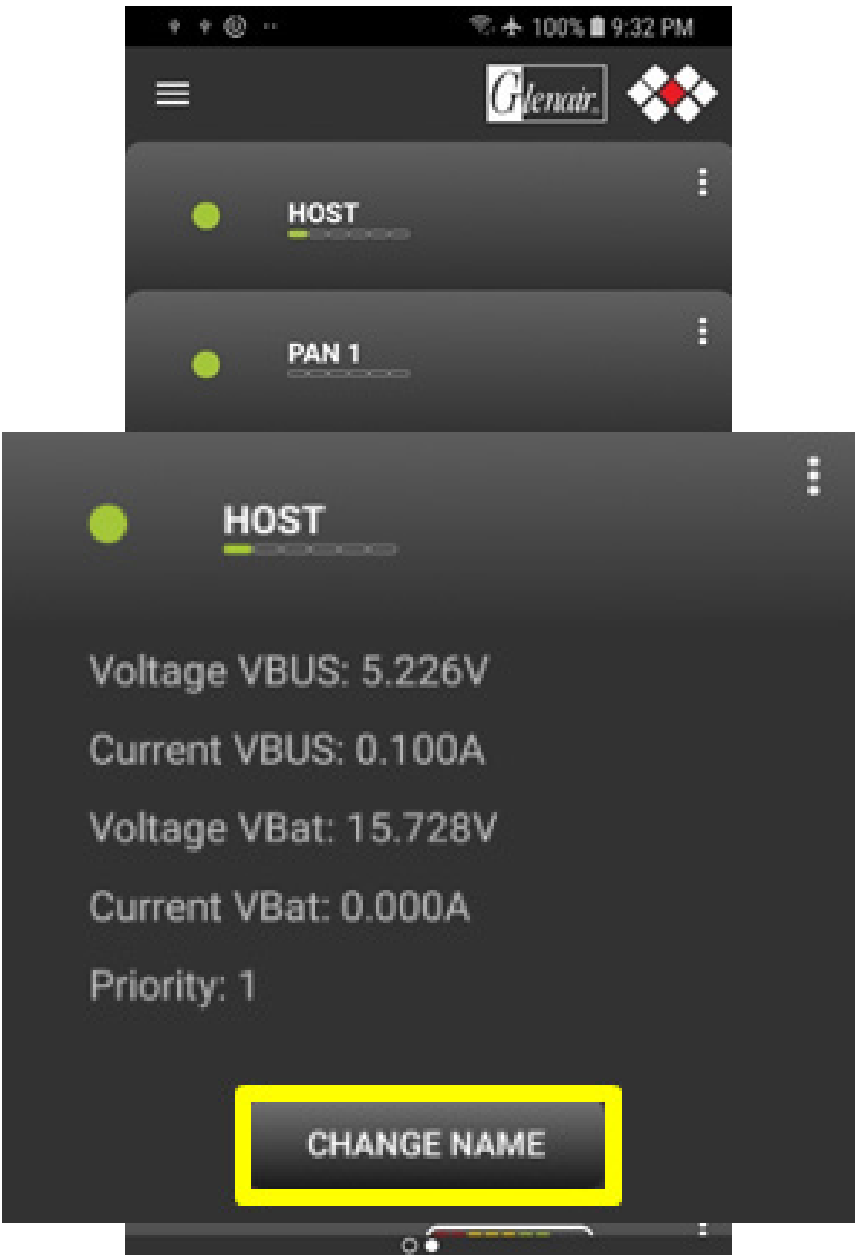
Enabled devices draw power. The amount is shown visually in a power load status bar directly under the port name.

Detailed Home Screen: Power Usage Stats



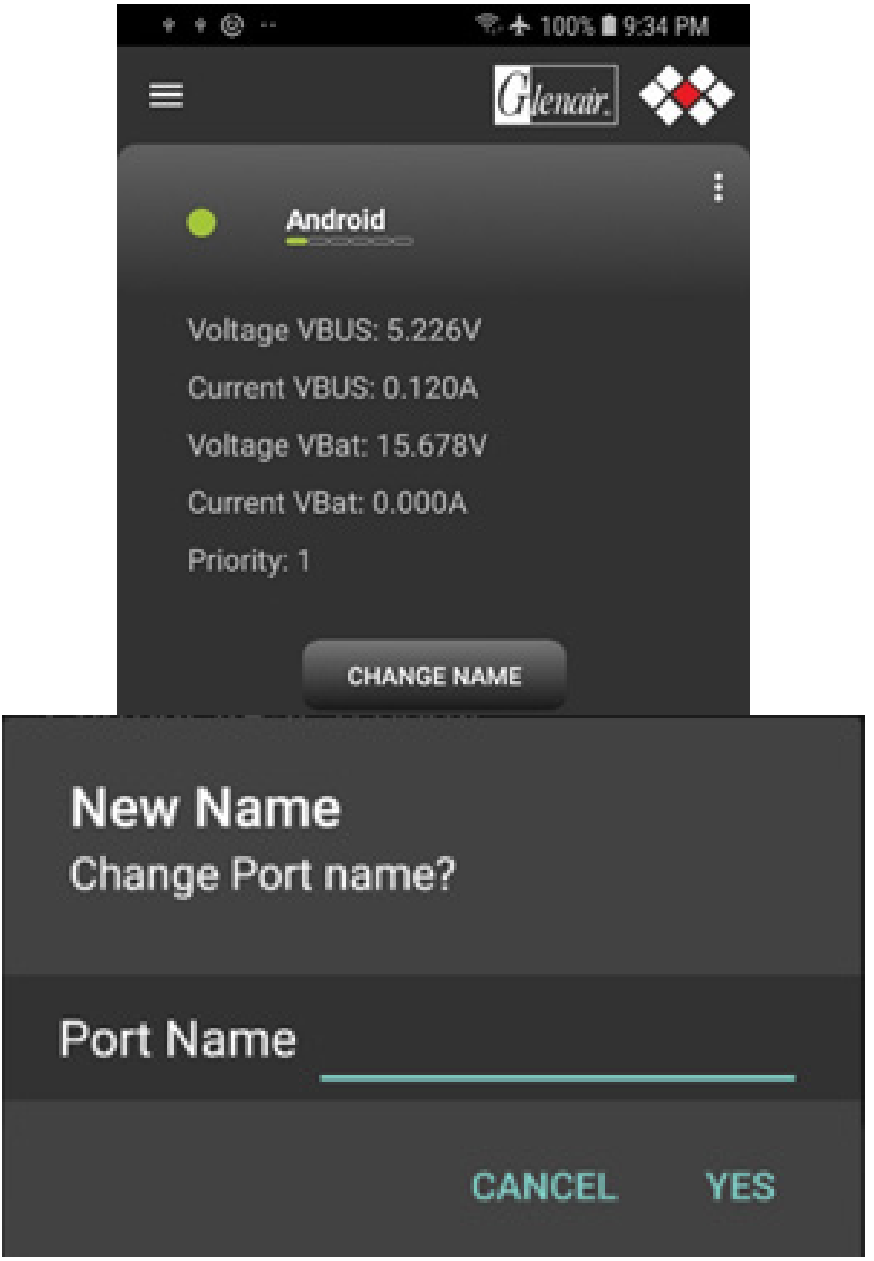
A second port-status “home screen” lists detailed battery power usage stats for all devices on the system. Note that you will only receive SMBus data if connected to a smart battery

Detailed Home Screen: Accessing Detailed Data



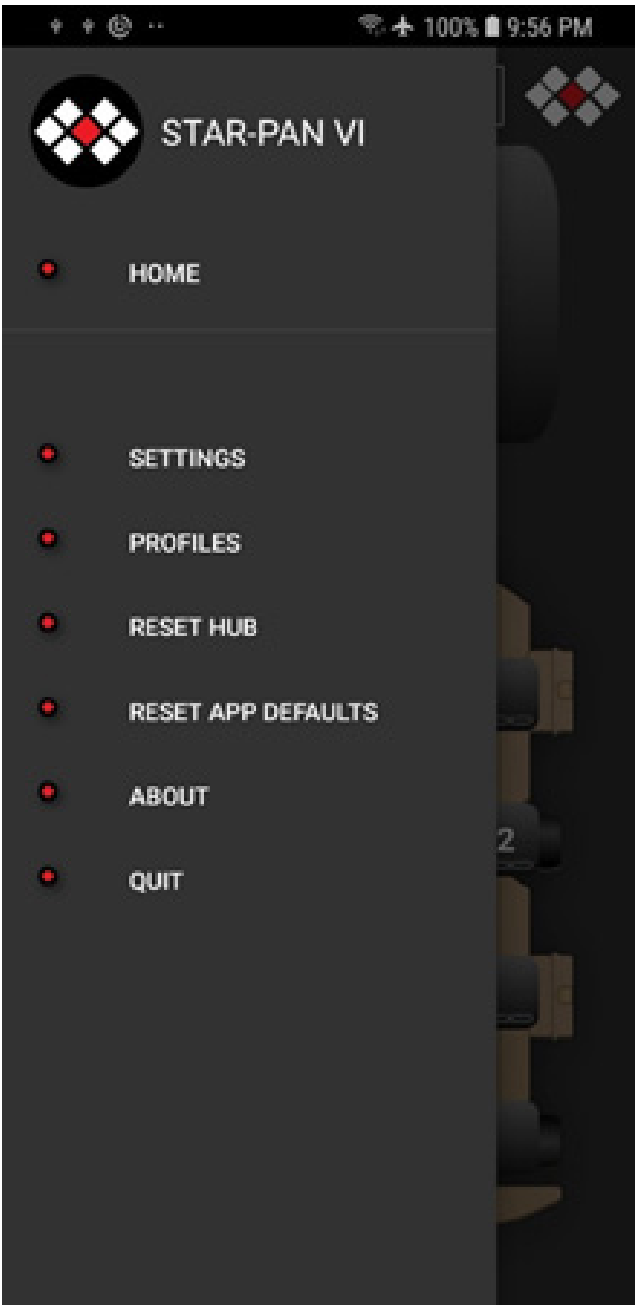
Tap on the port name to expand the power usage and port priority assignment details.

Detailed Home Screen: Changing Port Names



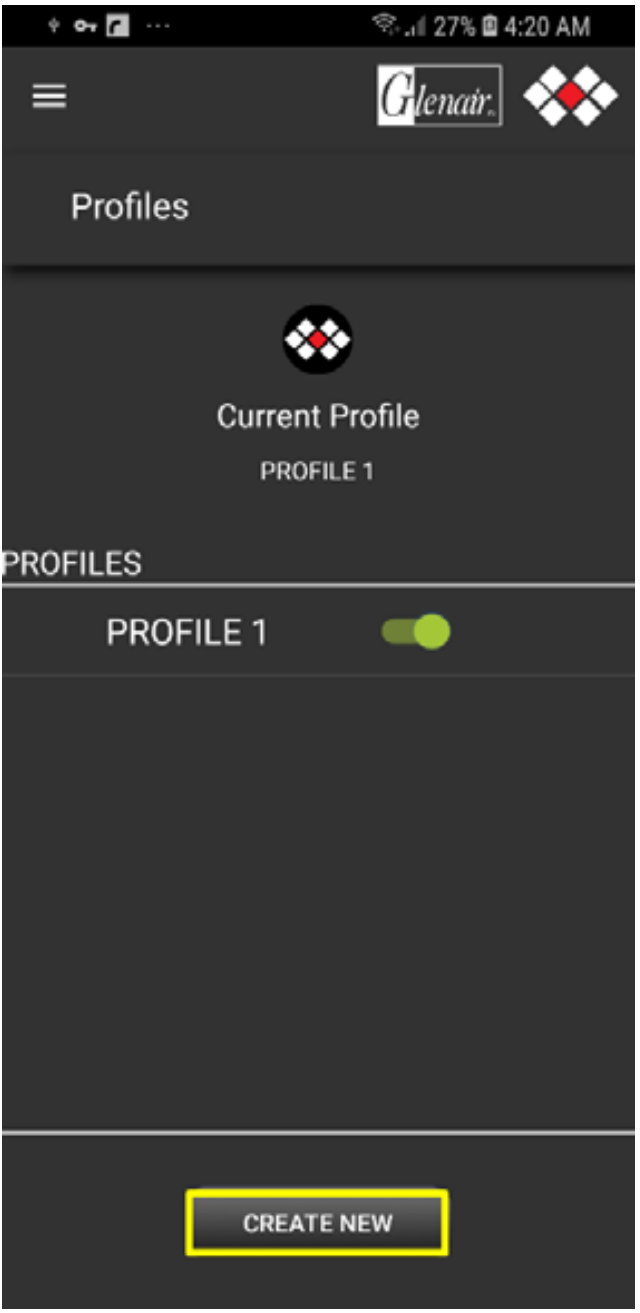
To change any port name, tap its name and select “Change Name.” In the pop-up screen, enter new name and tap “Yes.” The Port Name will now be updated on all screens.

Menu Options: Settings, Quitting Application



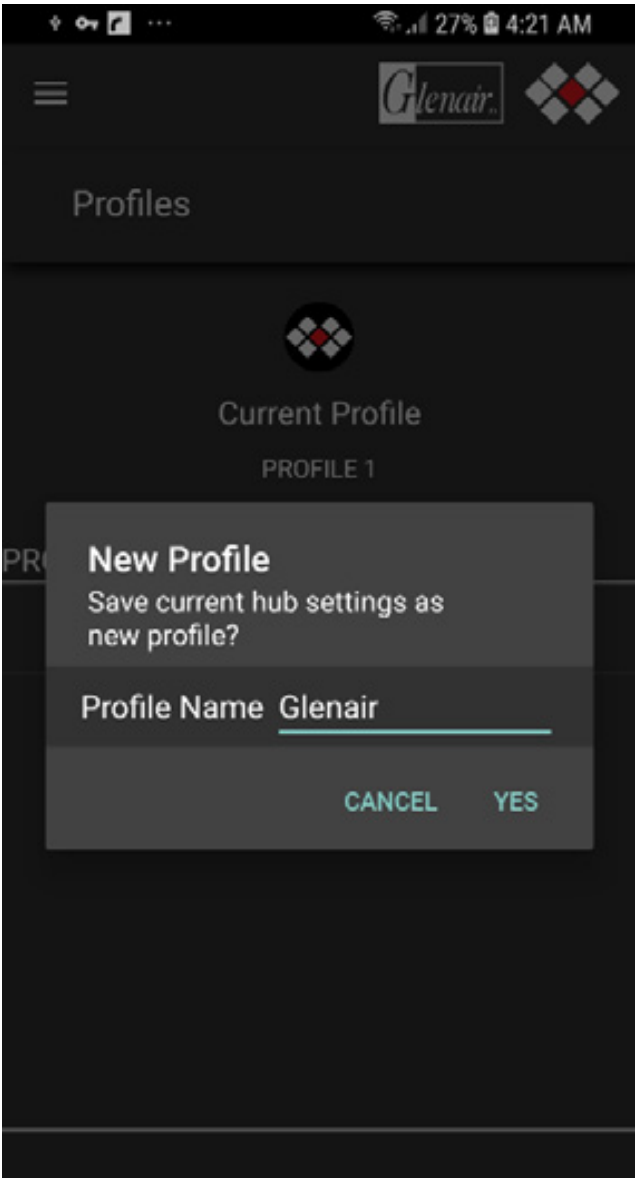
Open menu to adjust system and application settings, add or personalize profiles, reset hub and app defaults, or quit the app.

Menu Options: Profiles



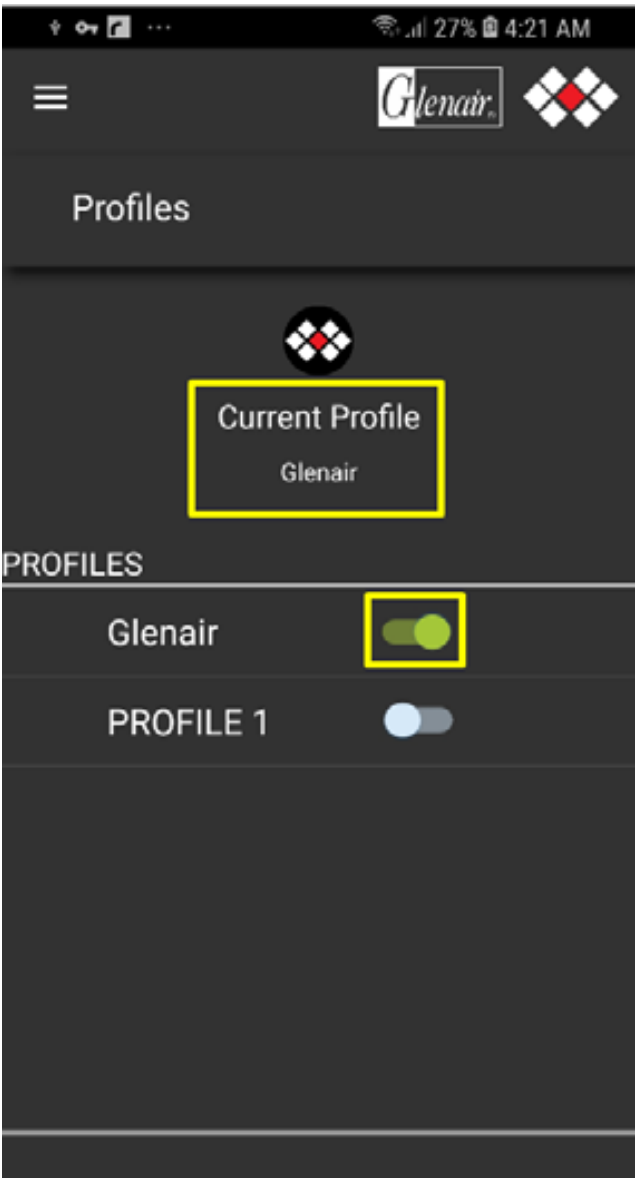
After tapping “Profiles” from the menu options screen the detailed profiles screen will appear. Select the “Create New” button to add a new profile.

Menu Options: Profiles



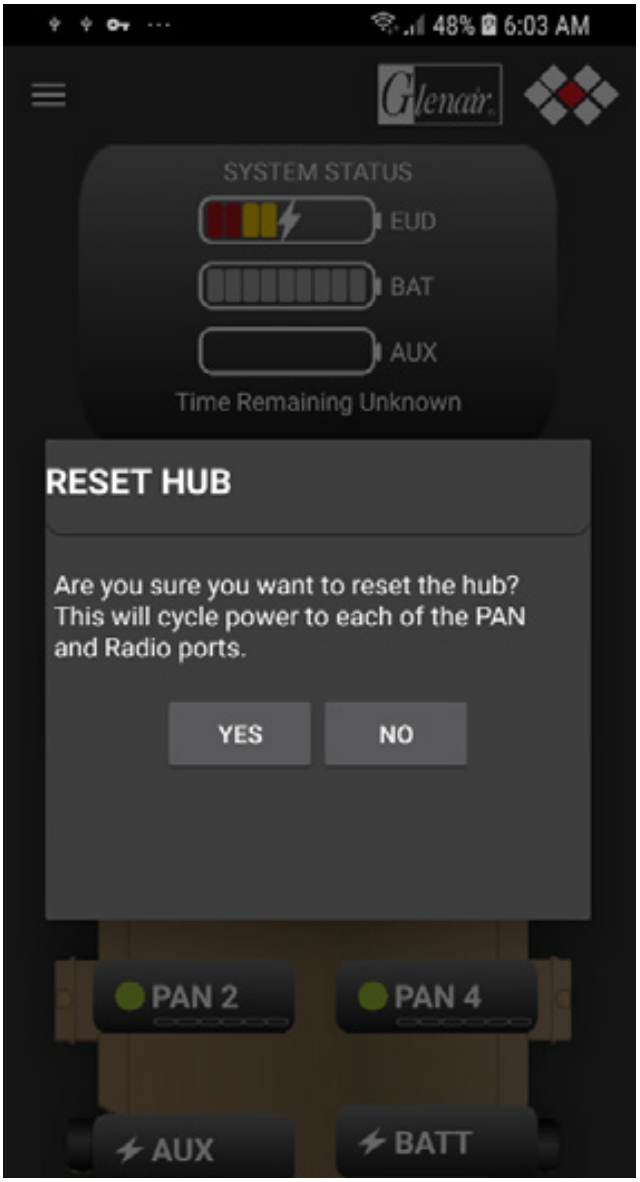
A pop-up screen to add a “Profile Name” and save the current hub settings to the “New Profile” will appear. Type a custom “Profile Name” and select “Yes.”

Menu Options: Profiles



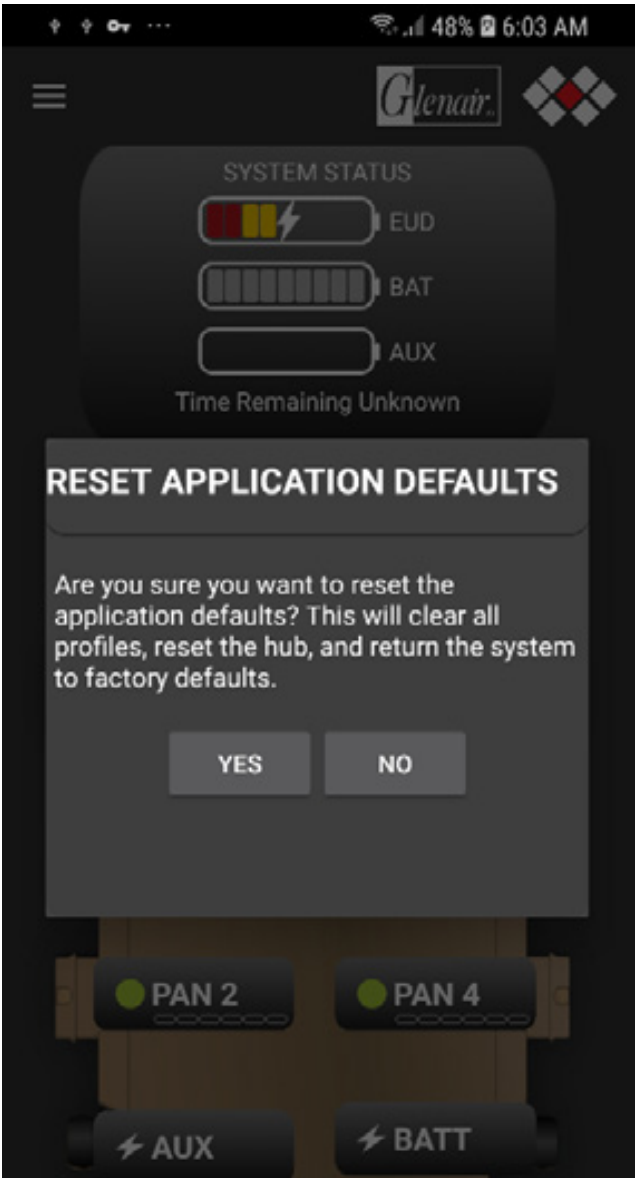
By default, the new profile will simultaneously become the “Current Profile,” and be added to the list of available profiles. To change the “Current Profile” tap the corresponding profile toggle.

Menu Options: Reset Hub



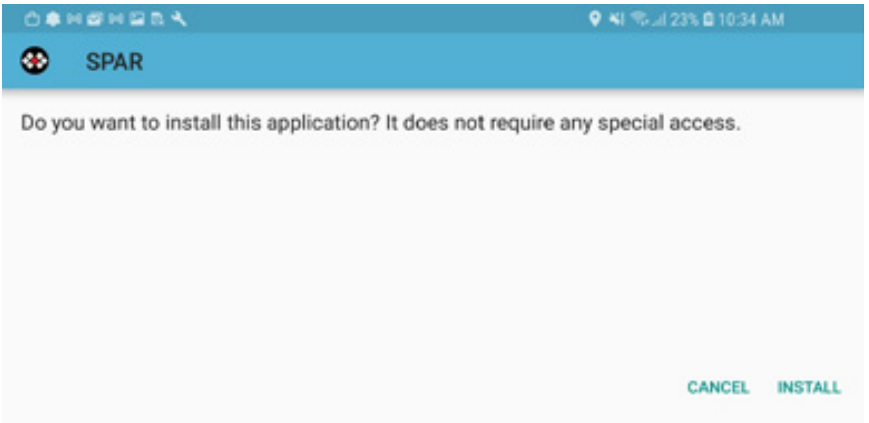
After tapping “Reset Hub” from the menu options screen, a pop-up alert confirming to restart the hub will appear. Select “Yes” if a reset is wanted.

Menu Options: Reset Application Defaults



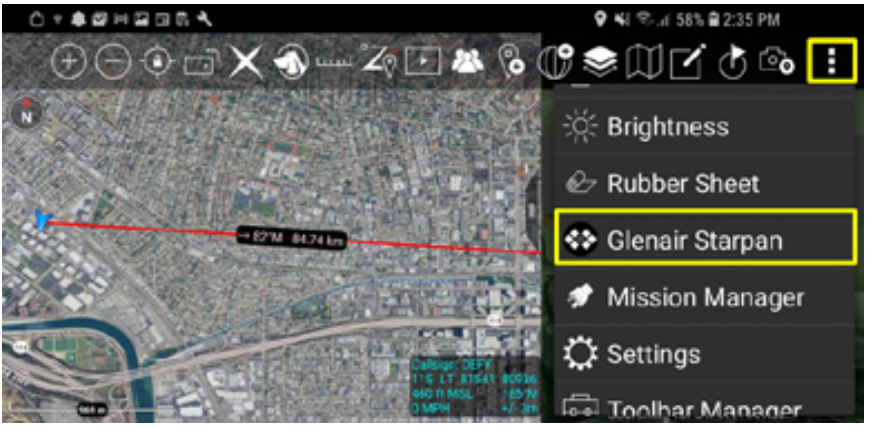
Upon tapping “Reset App Defaults” from the menu options screen, a pop-up alert confirming to clear all profiles, reset the hub, and return the system to factory defaults will appear. Select “Yes” to wipe all saved information and reset the hub.

ATAK SPAR Plugin: Installation



After loading the SPAR Plugin, a confirmation prompt will appear. Tap “Install.”

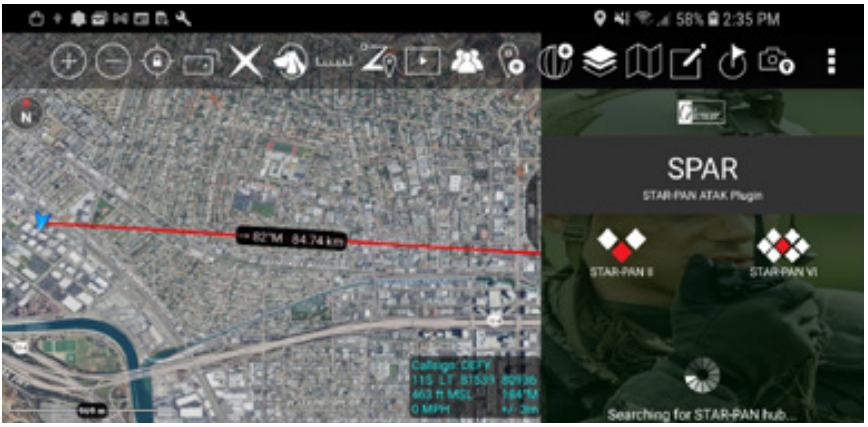
ATAK SPAR Plugin:



ATAK SPAR PLUGIN gives the user the ability to access SPAR within ATAK.

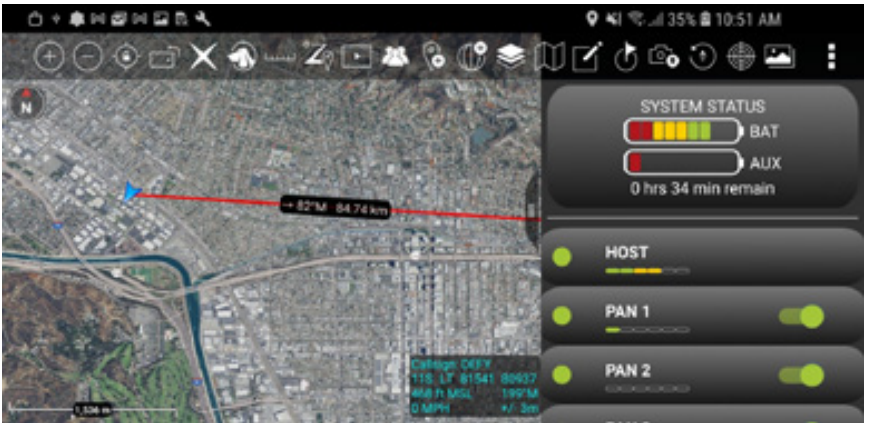
Select the ellipsis and scroll until “Glenair Starpan” appears in the list of options.

ATAK SPAR Plugin:
SPAR Loading Screen



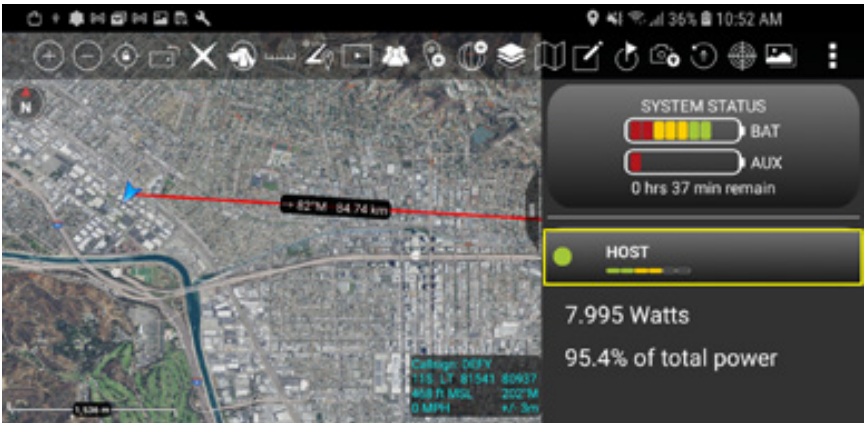
Will appear in the same way it would when launching the app directly.

ATAK SPAR Plugin: Home Screen



The System Status Box and power consumption of connected devices are visible within ATAK. Scroll to see all ports.

ATAK SPAR Plugin: Accessing Additional Data



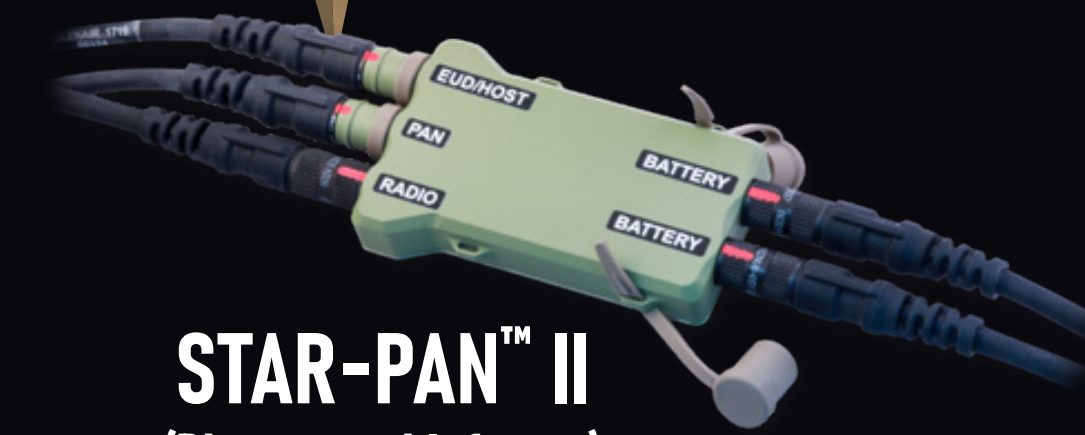
Tap on the port name to expand the power usage details. These details are an abridged version of what is available in the SPAR app.

ATAK SPAR Plugin: Launch SPAR

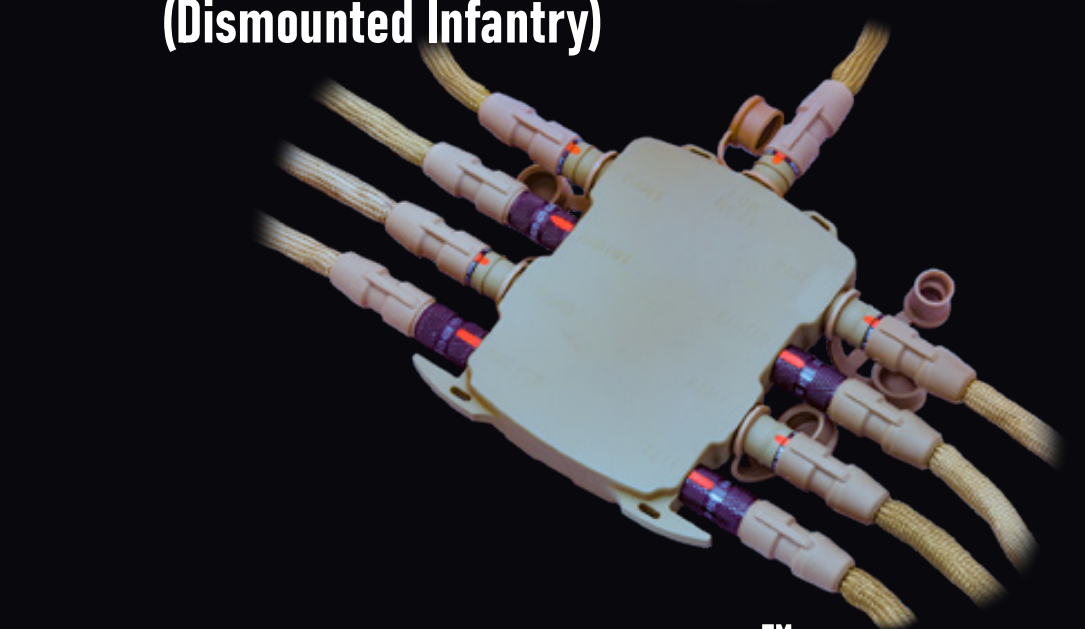
To leave ATAK and launch SPAR separately, scroll to the bottom of the port list and tap the Glenair SPAR logo.

STAR-PAN™

SCALABLE SOLDIER NETWORKS



STAR-PAN™ II
(Dismounted Infantry)



STAR-PAN™ VI
(JTAC / Mission Commander)

Glenair®

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