

GETTING STARTED WITH MODEL 9602-LP

Version 1.0

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RECOMMENDED READING MATERIALS IN THE FOLLOWING ORDER:

1. General Description of Model 9602-LP (TN2011-001-V1.0)
2. Getting Started with Model 9602-LP (TN2011-003-V1.0)
3. SatTerm Software Manual (TN2011-004-V8.0)
4. AT Commands for Model 9602-LP (TN2011-002-V1.0)
5. Server for Trackers Manual (TN2011-005-V8.3.0)

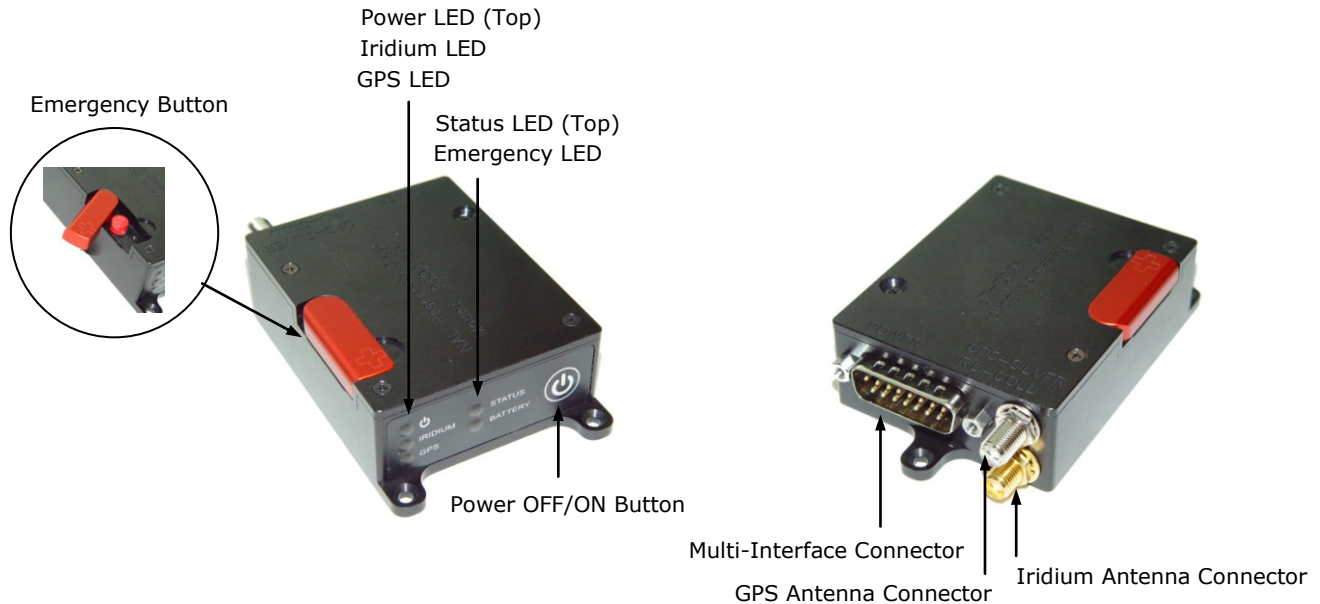


Figure 1. Iridium Satellite Tracker Model 9602-LP.

HOW TO USE MODEL 9602-LP TRACKER:

The 9602-LP supports a 3-wire serial data interface to a computer allowing the computer running SatTerm software (or any terminal emulator software) to configure its operating profile using NAL Research's defined AT commands. These AT commands can be found in the manual "AT Commands for Model 9602-LP". The 9602-LP does not support auto-baud and the default baud rate is factory set at 19.2 kbits/sec but can be changed to other baud rates with the +IPR command.

Required hardware and software for the configuration of the 9602-LP include:

1. A desktop or laptop computer (not provided).
2. A 3-wire RS232 cable (not provided).
3. A DC power source (not provided).
4. SatTerm software or any terminal emulator software (SatTerm is provided by NAL Research as part of the hardware package).

STEP 1:

Fabricate a power/RS232 cable with information provided in Sections 4.1 and 4.2 of the General Description of Model 9602-LP manual. NAL Research offers RS232/power cable assembly model HRC-24-12 that can be purchased separately or model HRC-24-12A to include both the RS232 cable and AC-DC power supply.

STEP 2:

Install SatTerm software on a computer. Connect the power/RS232 cable to the computer and to the 9602-LP. Neither the Iridium antenna nor the GPS antenna is needed for the configuration of the 9602-LP.

STEP 3:

Apply appropriate DC power to the 9602-LP. The 9602-LP is default to power on when DC power is first applied. It is not necessary to push the ON/OFF button. An NAL Research message will appear along with firmware version to indicate proper serial communications and power input.

STEP 4:

Use SatTerm (or any terminal emulator) installed on the computer to set the 9602-LP's operating parameters. With the unit turned off, connect an Iridium antenna and a GPS antenna to the 9602-LP. Make sure the antennas have full view of the sky and the cable loss between the tracker and antenna is less than 2 dB. Supply appropriate DC power to the 9602-LP. The 9602-LP can begin tracking.

IMPORTANT: EMSS-enabled 9602-LP must first be provisioned (signed up for airtime) with EMSS SBD Service before testing or field use. Accessing the DoD EMSS Gateway is not authorized until the 9602-LP is provisioned. Unauthorized attempts to access the DoD EMSS Gateway will result in immediate disabling of the offending device, which must then be returned to NAL Research for repair. See <https://sbd.pac.disa.mil> for more information regarding EMSS service provisioning.

TECHNICAL SUPPORT INFORMATION

For technical support, please contact us at:
Phone: 703-392-1136 Ext. 203 or
E-mail: contact@nalresearch.com

Technical documents are also available to download on NAL Research's website
www.nalresearch.com