

# Line Health Recorder (LHR)



The Line Health Recorder (LHR) retrieves the status from GSX/GSR recorders via radio with no user interface, allowing for efficient quality control of the spread without assigning dedicated personnel for this operation.

When connected to a computer via a USB cable, the LHR will appear as a removable USB memory device where configuration files and software updates can be uploaded.

Status data may be downloaded from the LHR through the USB cable, or in Bluetooth mode for viewing on a phone or tablet running Android mobile OS.

The LHR can operate 12–14 hours on a fully charged battery, which can be replaced in the field if longer operation is required.

## FEATURES:

- Micro-USB port for uploading, downloading data and charging battery.
- 4 LEDs show radio transmission, reception of status, health of USB connection, and charging process.
- Removable battery (Lithium Ion 3.7 Volts 1000 mAh).
- RF transceiver module.
- Removable 16 GB microSDHC flash memory.

## PHYSICAL DIMENSIONS:

- 3.3 x 2.0 x 0.6 inches (8.5 x 5.2 x 1.5 centimeters)

## QUICK STATUS INFORMATION GATHERED:

- Case Serial Number
- Device Type
- No. Active Channels
- Channel
- Deployment Time
- Deployment Time UTC
- Scan Time
- Scan Time UTC
- Boot Version
- APP Version
- FPGA Version
- Latitude
- Longitude
- X
- Y
- Available Data (MB)
- Hours Until Full
- Temperature
- No. Satellites
- Battery Serial Number
- Battery Type
- Battery Label
- Battery Capacity
- Battery Voltage
- Impedance (Ohms)
- RMS Noise (µVolts)
- CMRR (dB)
- Xfeed (dB)
- THD (%)
- LHR Serial Number
- Flag Originator
- Condition Flags
- Error Flags
- Scan Contents
- Status

7007 Pinemont Drive • Houston, Texas 77040 USA  
[www.geospace.com](http://www.geospace.com) • T: 713-986-4444 • F: 713-986-4445

**Geospace Technologies, Canada**  
 2735 - 37th Avenue N.E.  
 Calgary, Alberta,  
 T1Y 5R8 Canada  
 403 250-9600

**Geospace Technologies, China**  
 Room 700, 7th Floor  
 Lido Office Tower, Lido Place  
 Jichang Road, Jiang Tai Road  
 Beijing, 100004, P.R.China  
 011 (86) 10 6437 8768

**Geospace Technologies**  
 Sucursal Sudamericana  
 Carrera 127-22 G 28 Int. 30  
 Agrupación Industrial La Esperanza  
 Bogotá, Colombia  
 011-57-1-742-7414

**Geospace Technologies, Eurasia**  
 Kirovogradskaya, 36  
 Ufa, Baskortostan  
 Russia 450001  
 011 (7) 3472 25 39 73

**Geospace UK**  
 F3 Bramingham Business Park,  
 Enterprise Way, Luton  
 Bedfordshire LU3 4BU, England  
 011 44 (0) 7775 688 467