

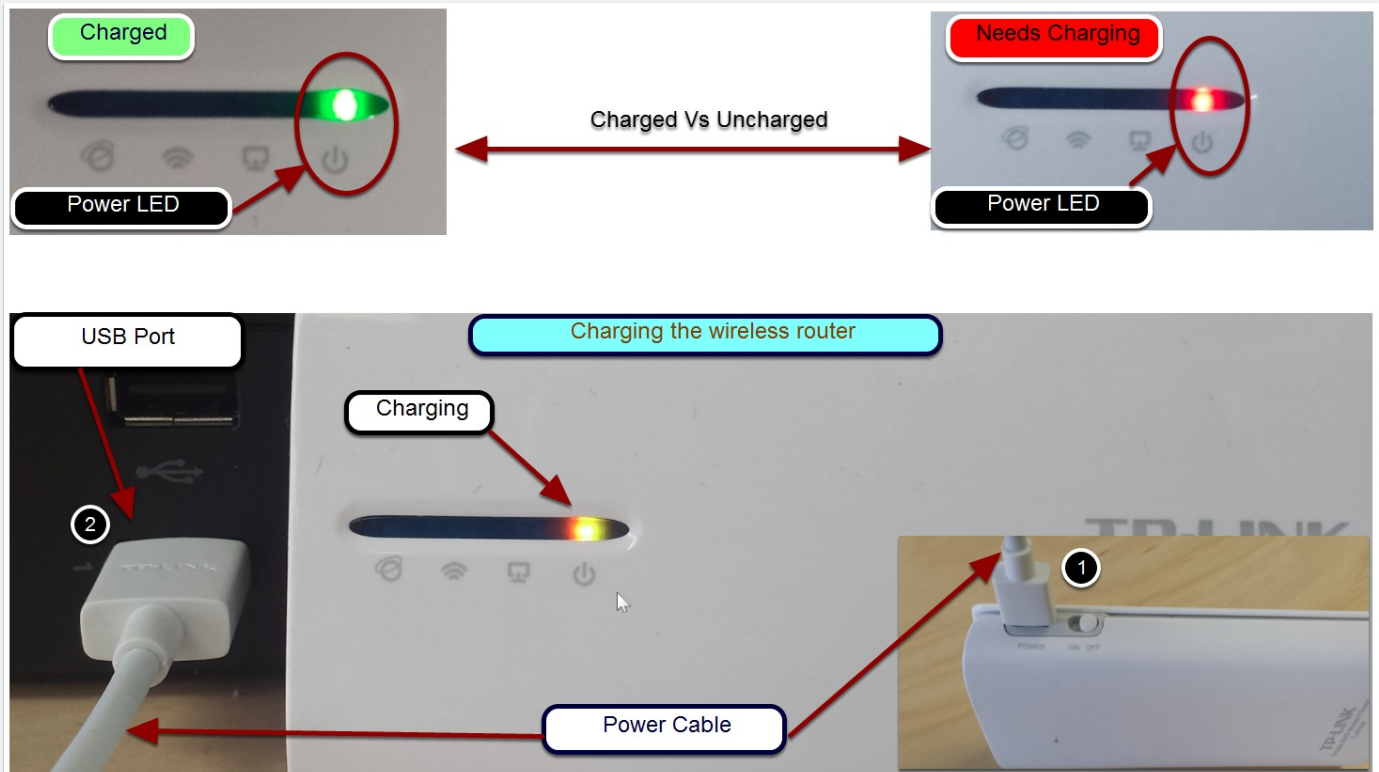
# PHOENIX GEOPHYSICS Ltd. - Manual for using the Live Monitoring tool

This manual will show you how to set up the Live Monitoring tool with the Wi-Fi router (TP-LINK™) provided by Phoenix Geophysics Ltd.

## STEP 1:

Make sure that wireless router has been charged. Check this by turning the power switch to 'ON' and see if power light is green or red.

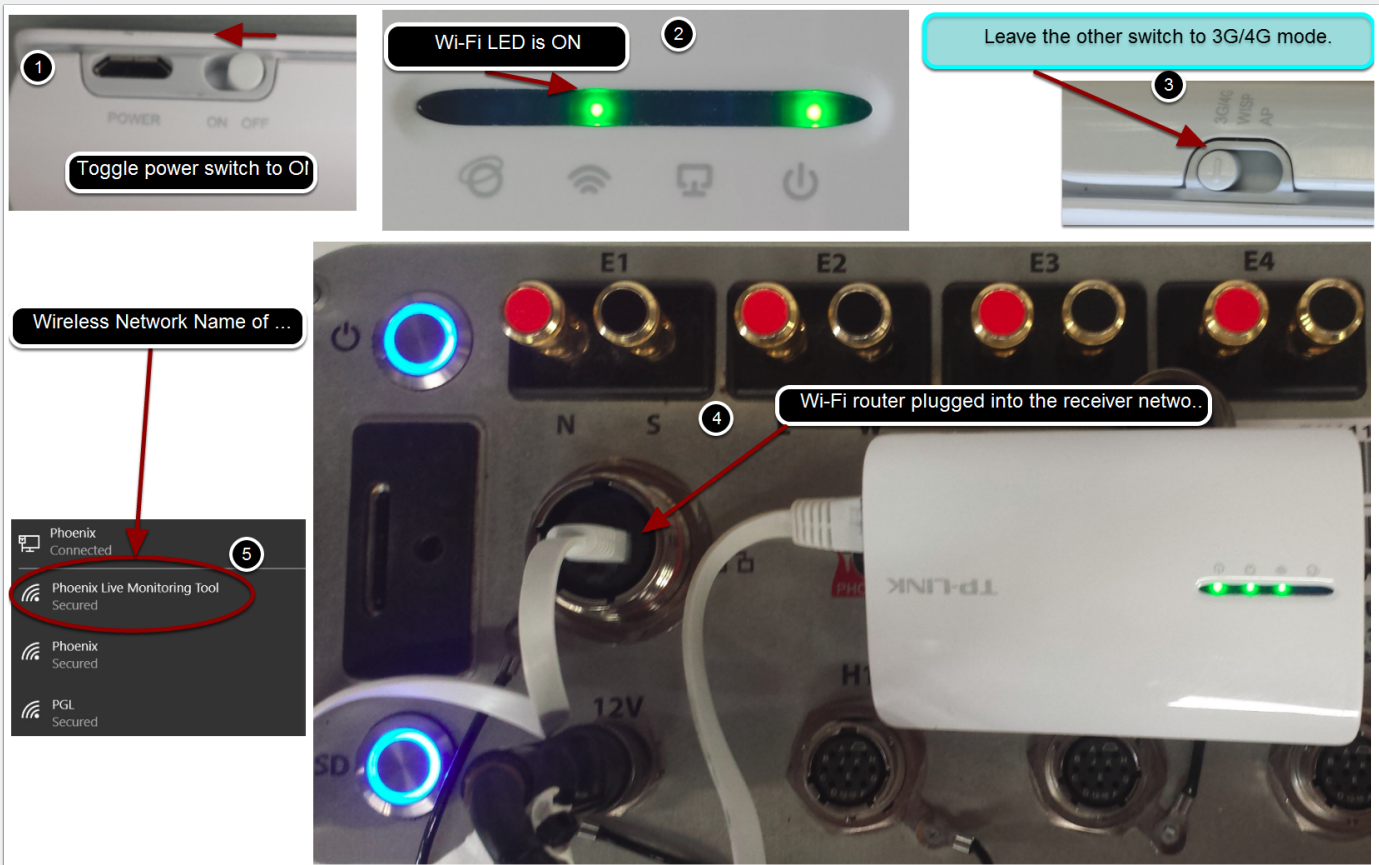
If the wireless router's power LED is red, connect its power cable to a usb port in your computer or to a power outlet using the power plug adaptor. It will change to orange, indicating that it is charging.



# PHOENIX GEOPHYSICS Ltd. - Manual for using the Live Monitoring tool

## STEP 2:

- Turn on the wireless router by toggling the power switch to 'ON' and wait for its Wi-Fi light turn on to green. Leave the other switch to **3G/4G** mode only.
- Have the receiver you want to monitor turned on and plug network cable of Wi-Fi router to the receiver.
- Open up your laptop Wireless Network Connections and look for **Phoenix Live Monitoring Tool** (name of Wi-Fi router network after successful configuration).
- Click **Phoenix Live Monitoring Tool** and enter **phoenixgeo** as password.



# PHOENIX GEOPHYSICS Ltd. - Manual for using the Live Monitoring tool

## STEP 3:

After successfully connecting to the Wi-Fi router, launch EMpower. Follow the steps below to open the Live Monitoring tool.

Wait for EMpower to connect and it will then show a dialog with information about the receiver state. This dialog automatically updates the *Aquisition status and levels* component every second during aquisition and the other components every ten seconds.

The first screenshot shows a 'Prepare' dialog with the following options:

- Prepare
- Create instrument configuration files
- View and edit
- Check data quality
- View time series and spectra
- View noise test results
- View quick-estimate apparent resistivity

The 'Evaluate' button is circled in red, and a callout box says 'Click Evaluate'.

The second screenshot shows an 'Evaluate - Selection - EMpower' dialog with the following options:

- View data
- Check quality of acquired data
- View calibration
- Generate and view calibrations
- Monitor receiver
- Monitor receiver status in real-time
- View self-test results
- Check results of receiver channel tests

The 'Monitor receiver' button is circled in red, and a callout box says 'Click Monitor receiver'.

The third screenshot shows the 'Monitoring Instrument 10068 (RXU-8) - EMpower' main window. It displays the following information:

**Instrument status**

- Error conditions: None ✓
- Battery level: 12.83 V ✓
- Internal temperature: 29 °C ✓

**Time and satellites**

- Position: Lat(43.8093), Long(-79.3377), Alt(159.412)
- # of satellites: 11 ✓
- Time ready: ✓
- Clock deviation: 1 (20thMhz)
- Sample drift: ✓

**SD card**

- Present: ✓
- Config loaded at start: ✓
- Used 42.22 GB of 63.86 GB. 66%

**Acquisition status and Levels**

- Instrument is: In idle state
- Saturation value / total frames

	Sat	DC	AC
E1:	---	---	---
E2:	---	---	---
E3:	---	---	---
E4:	---	---	---
E5:	---	---	---
H1:	---	---	---
H2:	---	---	---
H3:	---	---	---

**Self test**

Measured Resistance (Ω)	Sensor Detected
E1: ---	H1 ---
E2: ---	H2 ---
E3: ---	H3 ---
E4: ---	
E5: ---	

A callout box says 'EMpower successfully monitoring RXU-8 10043'.