Quick Guide
MALÅ Easy Locator Lite

Assembly and Start-up

The Easy Locator Lite is delivered partly assembled, just carry out the following steps before measurements:

- Mount the RTC Mini handle on the cart.
- Attach the tablet for data acquisition on the RTC Mini handle.
- Make sure the MALÅ Lite Controller app is installed on the tablet. If you have purchased the system with a turnkey configuration, this is already made.
- The rear left wheel has an encoder for data triggering and precise distance measurements. Make sure the cable is connected between the antenna box and the RTC Mini.



Before measurements make sure the batteries are charged.

The batteries are inserted at delivery, otherwise, open the battery compartment and insert the batteries.

Press the ON/OFF button to start the Easy Locator Lite.

Please note! Press and hold the ON/OFF button when powering OFF.



The batteries are found under the black lid. It is possible to hot-swap, one battery at a time, during measurements.

Start measurements

Make sure that MALÅ Lite Controller app is installed on your mobile device.

MALÅ Lite Controller app can be downloaded from https://guidelinegeo.com/products/software/mala-lite-controller or by using the QR code.

Set up a mobile hotspot for communication between your mobile device and the Easy Locator Lite.

Change the network name (SSID) to MALAxxxxxxxx, where xxxxxxxx will be replaced with the antenna serial number.

Change the password for the mobile hotspot to mala0123.

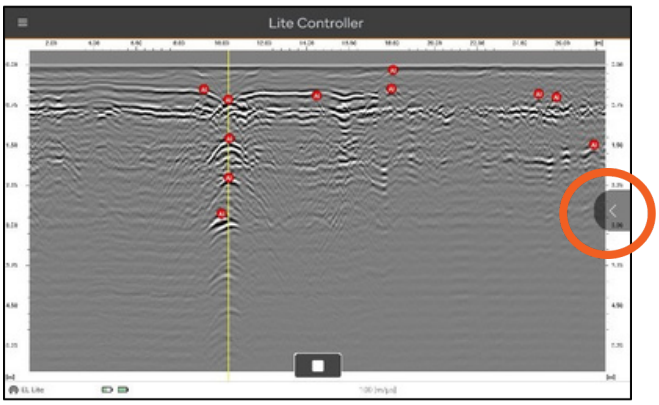


Label with information on serial number and QR code.

Open MALÅ Lite Controller app and start measuring.

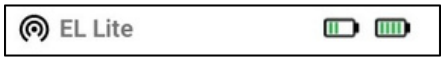
Use the floating menus on the right-hand side for hyperbola fitting, MALÅ AI and filters. Press directly on the screen to set black markers.

Please note! Use the MALÅ AI for easy real-time identification of hyperbolas.

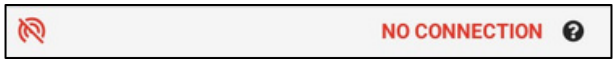


Wireless connection

To communicate between the GPR antenna and MALÅ Lite Controller app, Wi-Fi (mobile hotspot) is used. When communication is working, the antenna model is displayed to the left in the status bar in Lite Controller app together with battery and GNSS status.



Successful connection



No connection

It is important to have a stable Wi-Fi connection between the mobile device and GPR antenna for effortless data collection. The Lite Controller app has advanced features to minimize the impact of difficult Wi-Fi conditions while you measure such as automatic sync to recover data from interruptions.

Unstable Wi-Fi connections are typically caused by wireless interference. This can occur in apartment complexes or other dense areas, where several Wi-Fi networks are active nearby.

Troubleshooting connectivity issues

We recommend the following when troubleshooting connectivity:

If you can't connect to the antenna at all make sure you follow the workflow described in the section *Start measurement* in the beginning of this Quick Guide or check the *MALÅ EL Lite User Guide*.

1. If you can't connect to the antenna at all, make sure that mobile hotspot is configured exactly as described:

    For the mobile hotspot set up, you will need the serial number (S/N) of the antenna to connect. You'll find the serial number printed on the antenna.
    Change the network name (SSID) to **MALAxxxxxxxx**, where xxxxxxxx refers to the serial number.
    Change the password for the mobile hotspot to **mala0123**.
    Enable the mobile hotspot to allow this specific antenna to connect to your mobile device.

2. Ideally set up your system in an **area with minimal Wi-Fi interference** to reduce potential problems.

3. Make sure that there is **no other hotspot** with the same network name (SSID) running on another mobile device. Do this by disabling the hotspot and searching for Wi-Fi networks. Make sure there is no other Wi-Fi network with the same SSID as you have set up.

4. **Disable Wi-Fi** on your mobile device and then **turn off and turn on the hotspot. Verify SSID and password.** Do not use VPN.

5. Make sure that the antenna **batteries are charged**. For Easy Locator Lite, the indicator on the batteries should have at least two bars. The LED may be on even though there is not enough battery power to initiate connection to Lite Controller.

6. If that doesn't work, **restart the Lite Controller** on your mobile device and wait for at least 30 seconds. To do this, open the Recent Apps view (accessed by pressing the button with three lines or a square), and swipe the app off screen to close it.

7. If it's still not possible to connect to the antenna, **restart your mobile device** and try again.

8. If you still cannot get connection, or if you for some reason would lose connection to the antenna, press the ON/OFF button on the antenna **5 times within 5 seconds**. This will reinitialize the antenna and reset the connection. Please note that this may take up to 2 minutes.

9. If that doesn't work press and **hold the ON/OFF button** to turn the antenna off and **restart your mobile device**. Then power on the antenna and try again.

10. If the above doesn't work contact us at support@guidelinegeo.com or use the built-in Help and Support.