The operation, and interpretations made based on the use, of this product is the sole responsibility of the operator. Please make sure to read the full disclaimer in the user manual before operating the product.

Quick Guide MALÅ Ground Explorer

Connect and Start the GX Controller

Connect the GX Controller and the antenna by Wi-Fi or cable. Turn on the antenna and the GX Controller. When using Wi-Fi, make sure Wi-Fi is activated on the antenna and in the System Settings and that your antennas are paired with the controller. When starting the GX Controller, the Main menu, with options for different types of measurement projects, is displayed.
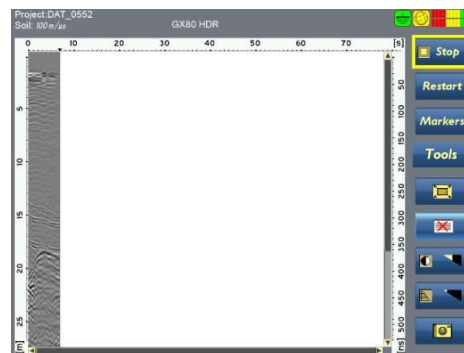
> **Note:** Wi-Fi enabled GX antennas can also be used together with MALÅ Controller App. See *MALÅ Controller App Quick Guide and MALÅ Controller App User Guide*.

The GX Controller is operated with a dual function Navigator for selecting options and functions. Menu items are selected by rotating the Navigator clockwise or anti-clockwise. The selected item is then executed by pushing the button. For fast scroll, press, hold and rotate.
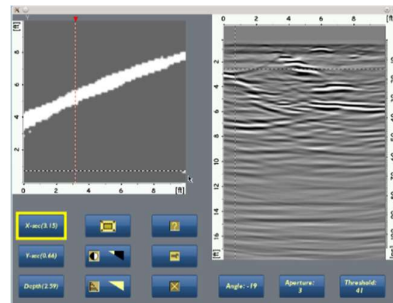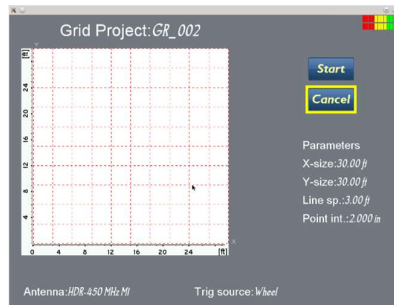
2D projects

In the 2D project single GPR profiles are collected. Use the menu to change the settings for measurement depth, velocity of the GPR wave, trigger (wheel/time/keyboard) and point interval. In you have the possibility to set different types of markers and do velocity checks by hyperbola fitting or migration to apply a correct velocity for your measurements.
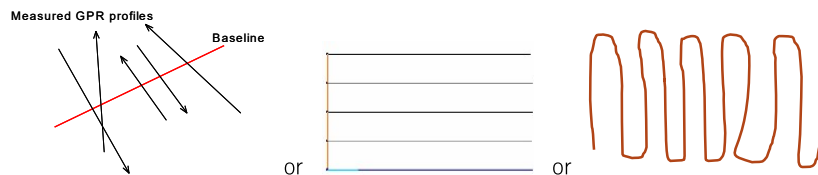
3D Grid Projects

In 3D Grid Projects data collection is made in a grid, in one or two directions. The resulting data can immediately be processed in the GX Controller into a 3D volume and time sliced. A 3D Grid project can also be directly imported to our cloud-based software MALÅ Vision
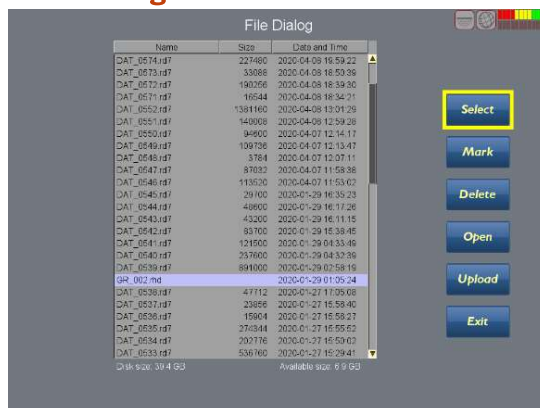

Object Mapper Projects

Object Mapper Projects aids in collecting GPR profiles connected to a common baseline. This is especially efficient when you have bad or no GNSS connection to enable a structured way of measurement, especially for utility detections. Object Mapper Project can also be collected with GNSS aid. Most often an external GNSS, as an RTK-GPS, is needed for best results. Object Mapper project can directly be imported to MALÅ Vision or MALÅ Object Mapper.

GNSS settings

With the GX system you can choose to use the internal GPS antenna or connect an external GNSS antenna. Settings for this is found in the second page of the System Settings . If the GNSSS is connected properly, the coordinates are also viewed in the menu.

File manager

In the File Manager menu all measured files and projects are found. Here you can select, mark several files, and delete or upload the same. Data is uploaded to a USB, for easy transfer to a computer.

2D files has the file extension *.rd7, Object-Mapper projects *.obm and 3D Grid *.rhd.

> **Note!** For the ObjectMapper and 3D Grid Projects all made files in one project are uploaded at the same time.