MALÅ GroundExplorer
GROUND PENETRATING RADAR
GPR with exceptional range and resolution
Outstanding data quality, exceptional performance and WiFi option

MALÅ GroundExplorer (GX) is based on innovative, patent-pending MALÅ High Dynamic Range (HDR) technology and represents a leap forward in Ground Penetrating Radar.

MALÅ GroundExplorer (GX) is an integrated GPR solution with four MALÅ GX antenna options: GX80, GX160, GX450, and GX750.

Built around a fast 1.6 GHz Intel Atom processor and using a high-resolution display to present the 32-bit data, the MALÅ GX Controller delivers excellent performance and outdoor visibility.

The easy-to-use controller has a built-in battery to simplify handling in the field.

MALÅ GX antennas feature an integrated DGPS for accurate positioning and the solution supports the use of external GPS.

MALÅ GX solutions support a wide range of distance measuring devices.

The new WiFi option enables wireless data collection, making it easier to use in confined spaces as well as in irregular landscapes. Normal working range varies between 25-100 meters dependent on the surroundings.
MALÅ GroundExplorer

**ADVANTAGES**

- Ease of use
- Exceptional detection capabilities
- Outstanding signal-to-noise ratio and depth penetration
- Significantly faster data acquisition rates
- High-resolution display with excellent outdoor visibility
- Built-in battery and WiFi option removes cables, simplifies fieldwork

**SYSTEM CONFIGURATION**

Every MALÅ GX solution contains two separate components: the GX Controller and the GX antenna. These are connected either through a single cable or WiFi. MALÅ GX is typically configured as either a push- or pull-system.

To configure a push-system, the MALÅ GX Controller and a MALÅ GX antenna are mounted on a Rough Terrain Cart.

To configure a pull-system, an encoder wheel is fitted to the mounting block on the back of the antenna. The GX Controller is then carried with the monitor holder and the antenna assembly can be pulled with a pulling handle or a strap.

**Typical applications**

- Archaeology
- Geology
- Infrastructure & Construction
- Geotechnical & Environmental
- Military & Police

**Features**

- Well designed, field-rugged enclosure
- Built-in DGPS
- Simplified graphical user interface
- In-the-field processing and interpretation
- WiFi option
- All antennas meet FCC, EC and IC regulatory limits on radio emissions

**ACCESSORIES**

- GX Pulling Kit
- GX Measuring Wheel
- String Encoder
- Rough Terrain Skid Plate
- Rough Terrain Cart with Encoder
- MALÅ Object Mapper Software
- 3D Vision Software
- Reflexw 2D/3D
- RadExplorer Software
- GX Battery Kit (5 hours)
- GX Shipping Case
- GX WiFi option
- Mounting bracket for external GPS
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MALÅ GroundExplorer is the first commercial GPR solution available that incorporates the advantages of modern real-time sampling. Through unique HDR technology, combined with vast experience of end-users’ needs, MALÅ GroundExplorer provides an easy-to-use GPR solution with exceptional detection capabilities on a rugged platform.