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 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 MALÅ HDR technology reduces random noise; providing deep penetration with an unparallel level of data quality.

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 even easier to use in confined spaces as well as irregular landscapes. Normal working range varies between 25-100 meters depending on the surroundings.

**Typical applications**

- Archaeology
- Geological Exploration
- Infrastructure & Construction
- Geotechnical & Environmental
- Military & Police
MALÅ GroundExplorer

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.

HDR Technology

- Significantly faster data acquisition rates
- Greater signal-to-noise ratio
- Increased bandwidth
- Unprecedented dynamic range and resolution
- Higher number of significant bits
- Greater depth penetration
- Better detection capabilities

Accessories

- GX Pulling Kit
- GX Measuring Wheel
- String Encoder
- Rough Terrain Cart (RTC)
- GX Battery Kit (5 hours)

Features

- Easy-to-use
- Flexible configuration for a wide range of applications
- Well designed, field-rugged enclosure
- In-the-field processing and interpretation
- Built-in DGPS
- WiFi option
- All antennas meet FCC, EC and IC regulatory limits on radio emissions
MALÅ GX is an integrated GPR solution with a wide range of antenna options and measuring devices. Through unique HDR technology, MALÅ GX offers significantly faster data acquisition rates, with outstanding signal-to-noise ratio and depth penetration. An easy-to-use GPR solution on a rugged platform with excellent detection capabilities for a wide range of applications.