

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 utilizes hyperstacking to reduce random noise; providing an unparalleled 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



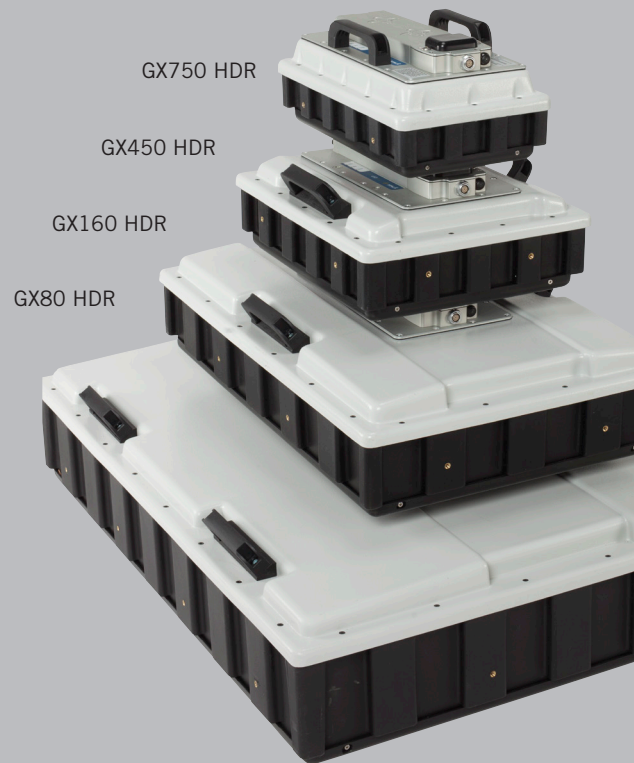
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SYSTEM CONFIGURATION

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.



Accessories

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

Features

- ▷ Easy-to-use
- ▷ 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
- ▷ Ultra high stacking to reduce random noise

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MALÅ GX is the first commercial GPR solution available that incorporates the advantages of modern real-time sampling. With unique HDR technology, combined with vast experience of end-users' needs, the MALÅ GX provides an easy-to-use GPR solution on a rugged platform with significantly faster data acquisition rates, outstanding signal-to-noise ratio and depth penetration through ultra high stacking.

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Guideline Geo is a world-leader in geophysics and geo-technology offering sensors, software, services and support necessary to map and visualize the subsurface. Guideline Geo operates in four international market areas: Infrastructure – examination at start-up and maintenance of infrastructure, Environment – survey of environmental risks and geological hazards, Water – mapping and survey of water supplies and Minerals – efficient exploration. Our offices and regional partners serve clients in 121 countries. The Guideline Geo AB share (GGEO) is listed on NGM Equity.

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