

# MALÅ GROUND EXPLORER

Integrated GPR solutions





Unique GPR products with outstanding data quality and exceptional performance.

# MALÅ HDR technology – a giant leap for GPR

**MALÅ HDR (High Dynamic Range) technology** is the result of unique development that represents a giant leap forward for GPR products and solutions.

**MALÅ PRODUCTS BUILT WITH HDR TECHNOLOGY** deliver unprecedented data quality and performance. Due to the exceptional bandwidth and the high dynamic range, MALÅ GroundExplorer and other HDR enabled products will deliver far better results than conventional GPR solutions. In most media, HDR enabled GPR solutions deliver deeper

penetration without compromising surface resolution. Users will appreciate the high signal-to-noise ratio (S/N) of the MALÅ GroundExplorer. The low noise, 32-bit, output brings clarity to GPR data never seen before.

The MALÅ GroundExplorer is the latest addition to MALÅ's versatile range of GPR

solutions. To date, the MALÅ GroundExplorer is the first commercial GPR solution available that incorporates the advantages of modern real-time sampling. The unique HDR technology combined with a vast experience of end-users' needs incorporated into the MALÅ GroundExplorer offers easy-to-use GPR solutions built into field rugged platform.



Built-in DGPS



32 bit data output



HDR enabled

## MALÅ GroundExplorer – new standard for GPR solutions

The powerful **MALÅ HDR technology** provides the user with unmatched versatility and performance. Integration, ease of use and flexible configurations are just a few of the features in the **MALÅ GroundExplorer**. Add to this the superior data quality, the resolution, and performance in **MALÅ GroundExplorer** over conventional GPR.

### Advantages compared to conventional GPR 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

THE MALÅ GX CONTROLLER WITH HIGH RESOLUTION DISPLAY



HIGH DYNAMIC RANGE ANTENNA



## The MALÅ GroundExplorer FEATURES:

- ▷ Well designed, field-rugged enclosure
- ▷ Built-in power supply and DGPS
- ▷ Reduced footprint and weight
- ▷ Simplified graphical user interface
- ▷ In-the-field processing and interpretation
- ▷ Visible cables reduced to a minimum
- ▷ High resolution HDR controller display
- ▷ Two component system with one cable
- ▷ All antennas meet FCC, EC and IC regulatory limits on radio emissions



There are currently four different MALÅ GroundExplorer solutions; GX80 HDR, GX160 HDR, GX450 HDR and GX750 HDR.



Optional accessories include external batteries for extended operation, MALÅ HDR forest kit, and the MALÅ Rough Terrain Cart.

## The MALÅ GX Controller

Each MALÅ GroundExplorer solution includes the **MALÅ GX Controller** for data acquisition and management. The MALÅ GX Controller includes an easy-to-use interface presented on a **high-resolution display** (1024x768) encased in a tough aluminum shell and operated by a clever navigator.

## MALÅ GROUNDEXPLORER



THE MALÅ HDR PRODUCTS GIVE THE GPR COMMUNITY ACCESS TO EASY-TO-USE SYSTEMS WITH SIGNIFICANTLY HIGHER DEPTH PENETRATION AS WELL AS BETTER DETECTION CAPABILITIES.

GPR WITH EXCEPTIONAL RANGE AND RESOLUTION.

**MALÅ GEOSCIENCE** is the global leader in Ground Penetrating Radar (GPR) with users in 113 countries and more than 60 distributors. With offices in Sweden, USA, China, Malaysia and Australia, and service centers in 3 continents, MALÅ offers an outstanding level of service to customers and business partners worldwide.

**MALÅ GEOSCIENCE** is a part of the Guideline Geo Group, a global leader in geophysics and geo technology.



**CORPORATE HEADQUARTERS:**

**MALÅ Geoscience**  
Skolgatan 11,  
SE-930 70 Malå,  
Sweden  
PHONE: +46 953 345 50  
FAX: +46 953 345 67  
E-MAIL: [sales@malags.com](mailto:sales@malags.com)

**OFFICES:**

**USA**  
MALÅ Geoscience USA, Inc.,  
465 Deanna Lane,  
Charleston, SC 29492  
PHONE: +1 843 852 5021  
FAX: +1 843 284 0684  
E-MAIL: [sales.usa@malags.com](mailto:sales.usa@malags.com)

**CHINA**  
MALÅ Geoscience (China)  
Room 2604, Yuan Chen Xin BLDG, No.12  
Yu Min Road Chao Yang District,  
Beijing 100029  
PHONE: +86 108 225 0728,  
FAX: +86 108 225 0815  
E-MAIL: [sales@malags.com](mailto:sales@malags.com)

**MALAYSIA**  
MALÅ Geoscience (South East Asia)  
9-B, Jalan Prima 9,  
Metro Prima, Kepong, 52100,  
Kuala Lumpur, Malaysia  
PHONE: +60 (0)3 6250 7351  
FAX: +60 (0)3 6250 2072  
E-MAIL: [sales@malags.com](mailto:sales@malags.com)

**AUSTRALIA**  
MALÅ Geoscience (Oceania)  
Unit 26, 10-18 Orchard Road  
Brookvale, NSW 2100, Australia  
PHONE: +61 438 278 902  
FAX: +61 2 9908 1484  
E-MAIL: [sales@malags.com](mailto:sales@malags.com)