



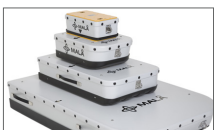
Locking screws when mounting on the antenna



Hi-speed Ethernet communication



Mounts directly onto the antenna



Fits the 100-800MHz MALÅ shielded antennas

1. Field rugged IP65 housing
2. Compact, slim line design
3. Ethernet communication
4. Integrated electronics
5. Single 12V input for X3M and connected antenna



## MALÅ X3M™

### The Integrated Radar Control Unit

The MALÅ X3M integrated control unit is compatible with the 100, 250, 500 and 800 MHz MALÅ shielded antennas and designed to fit directly onto the antenna. This combined with the built-in electronic design, low weight and compact size make the MALÅ X3M one of the most compact GPR systems available.

An Ethernet link between the MALÅ X3M and the MALÅ XV Monitor, or Notebook PC<sup>1</sup>, offers high speed point to point communication for reliable and high quality data transfer. The built-in auto stacking feature ensures optimum data quality at maximum survey speed.

The low power consumption offers in excess of six hours measuring time with a standard battery.

The convenience of this flexible and modular design means that an MALÅ X3M based GPR system can be quickly and easily configured for use across a wide range of applications, simply by changing the antenna. This flexible approach offers you an affordable choice to system configuration.

You only need to invest in what you need today; however, as your needs change, so can your MALÅ X3M system.

## Main Applications

As the MALÅ X3M is compatible with the range of MALÅ Shielded Antennas, the application spectrum is very broad, covering areas such as:

- Archeology
- Civil Engineering
- Environmental
- Geological
- Snow Measurements
- Road & Transportation
- Utility Detection & Mapping

## Specific Features

The product's compact size, field rugged design and easy connection to the antenna make this the ideal choice for applications that require the dedicated use of shielded antennas.

- Operates with MALÅ Shielded Antennas (100, 250, 500 and 800 MHz)
- Built-in electronics
- High speed communications (Ethernet) with MALÅ XV Monitor / notebook PC<sup>1</sup>
- Compact, lightweight, portable and field rugged design IP65
- Auto stacking for highest data quality and optimized speed performance
- Low power consumption for extended operation



## System Configuration

Depending on the application, the MALÅ X3M system is typically configured as either a pushing or pulling system. As a pushing system the MALÅ X3M control unit is connected to either a 250, 500 or 800 MHz antenna which is mounted into the MALÅ Rough Terrain Cart (RTC).

As a pulling system, a measuring wheel is fitted to the mounting block on the back of the shielded antenna, and then the antenna with MALÅ X3M control unit fitted is pulled across the survey areas by means of a handle or strap. In this set-up, the user wears the MALÅ XV Monitor or notebook PC on a shoulder / chest harness holder for portability and ease of viewing.

## Technical Specification

**Power supply:** Li-ion battery pack 12V

**Operating time:** >6h with standard battery pack

**Operating temp:** -20° to +50°C/ 0° to 120 °F

**Environmental:** IP65

**Dimensions:** 310 x 180 x 30 mm/ 12.2 x 7 x 1.2 in

**Weight:** 1.7 kg/ 3.7 lb

**Antennas:** The MALÅ X3M fully supports the range of MALÅ Shielded Antennas (100, 250, 500 & 800 MHz).

See MALÅ Shielded Antennas sales sheet.

<sup>1</sup>Running MALÅ GroundVision 2 Software.

**See our webpage for latest information**

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