



**HDD LOCATING SYSTEMS**

# **SIMPLE POWERFUL AFFORDABLE**

- **NEW! SOLID CORE 3D ANTENNA CLUSTER**
  - » Extended Range for the Sub-kHz Frequencies
- **ECHO 75XF 19" TRANSMITTER**  
**Three Power Levels**
  - » Low: 114 Feet / 100 Hours
  - » Medium: 180 Feet / 60 Hours
  - » High: 278 Feet / 11 Hours
- **BUILT-IN DATA LOGGING**
  - » Simplified one-touch logging integrated into the remote drill display
  - » Rodwise and chart views with the ability to edit and add utility crossings
  - » Easily emailed directly from the display and synced to the UMmaps web portal

## **MAG X PRO**

The Mag X Pro is our most powerful HDD Locating System to date. Paired with the New Echo 75XF and even the toughest jobs will be done with ease.



**Underground Magnetics**

*simple. powerful. affordable.*

# Mag X PRO Specifications

# DRILL WITH EASE

## Receiver

System	Mag X PRO
System Frequency	16 Frequencies, .325kHz - 41kHz
Compatible Transmitter	Echo X-Mini / Echo 50 / Echo 50XF / Echo 60 / Echo 75XF / Echo 70 / Echo 90 / Echo 110
Temperature Range	-4 °F to 140 °F (-20 °C to 60 °C)
Radio Frequency	915 MHz
Telemetry	4 Radio Channels with range up to 3,000 ft. (900m)
Power	Rechargeable Lithium battery 12.5V
Battery Life	Up to 50 hours
Dimensions	29" x 9" x 13" (73.5 cm x 23 cm x 33 cm)
Weight	8.5 lbs. (3.85 kg)
Waterproof	IP65

## Display

Display	7-inch Color Touch Screen Android Operating System
Data-log	Built-in
Temperature Range	-4 °F to 140 °F (-20 °C to 60 °C)
Radio Frequency	915 MHz
Telemetry	4 Radio Channels with range up to 3,000 ft. (900m)
Power	Rechargeable Lithium battery 12.5V
Battery Life	Up to 50 hours
Dimensions	7.5" x 5.1" x 7.5" (19 cm x 13 cm x 19 cm)
Weight	3.3 lbs. (1.5 kg)
Waterproof	IP65

## Transmitter

	Echo X-Mini	Echo 50XF
Frequency	2 Frequencies, 19kHz, 30kHz	16 Frequencies, .325kHz - 41kHz
Battery Type	18650 x 1 Rechargeable Lithium Battery	21700 x 1 Rechargeable Lithium Battery 261020 x 1 Lithium Battery (Super Cell)
Battery Life	18650 (3.7v): 18 Hours - Normal Mode	21700 (4.2v): 50 Hours - Normal Mode 12 Hours - High Power Mode  261020 (3.7v): 60 Hours - Normal Mode 15 Hours - High Power Mode
Depth & Data Range	60 Ft. (18m) - Normal Mode	131 Ft. (40m) - Normal Mode 164 Ft. (50m) - High Power Mode
Dimensions	8" long x 1" diameter	15" long x 1.25" diameter

## Echo 75XF **NEW!**

Frequency	16 Frequencies, .325kHz - 41kHz
Battery Type	26650 x 2 Rechargeable Lithium Battery
Battery Life	26650 x 2: 100 Hours - Low Power Mode 60 Hours - Medium Power Mode 11 Hours - High Power Mode
Depth & Data Range	114 Ft. (35m) - Low Power Mode 180 Ft. (55m) - Medium Power Mode 278 Ft. (85m) - High Power Mode
Dimensions	19" long x 1.25" diameter

## Transmitter

	Echo 70	Echo 90	Echo 110
Frequency	12 Frequencies, 4kHz - 41kHz	12 Frequencies, 4kHz - 41kHz	12 Frequencies, 4kHz - 41kHz
Battery Type	18650 x 3 Rechargeable Lithium Battery	18650 B2 x 2 Rechargeable Lithium Battery	18650 B2 x 3 Rechargeable Lithium Battery
Battery Life	18650 (3.7v): 60 Hours - Normal Mode 15 Hours - High Power Mode	18650 B2 (3.7v): 80 Hours - Normal Mode 20 Hours - High Power Mode	18650 B2 (3.7v): 120 Hours - Normal Mode 30 Hours - High Power Mode
Depth & Data Range	164 Ft. (50m) - Normal Mode 230 Ft. (70m) - High Power Mode	230 Ft. (70m) - Normal Mode 295 Ft. (90m) - High Power Mode	295 Ft. (90m) - Normal Mode 361 Ft. (110m) - High Power Mode
Dimensions	15.9" long x 1.42" diameter	18" long x 1.42" diameter	24" long x 1.42" diameter