



**‘Delivering Effective Capability’**



**‘Grizzly’ 10MD  
Improvised Explosive Device Detector**

## Lightweight, Ergonomic, Versatile, Unique, Functional.

The Grizzly 10MD combines powerful reliable trusted NLJD technology with a sophisticated Metal Detector to offer a unique and rapid search capability that simultaneously detects and alerts the operator to the presence of a wide range of electronic components, metal/low metal content targets and corroded or dissimilar metals that are commonly found in Improvised Explosive Devices of all types, often at significant stand off distances (upto 7 metres).

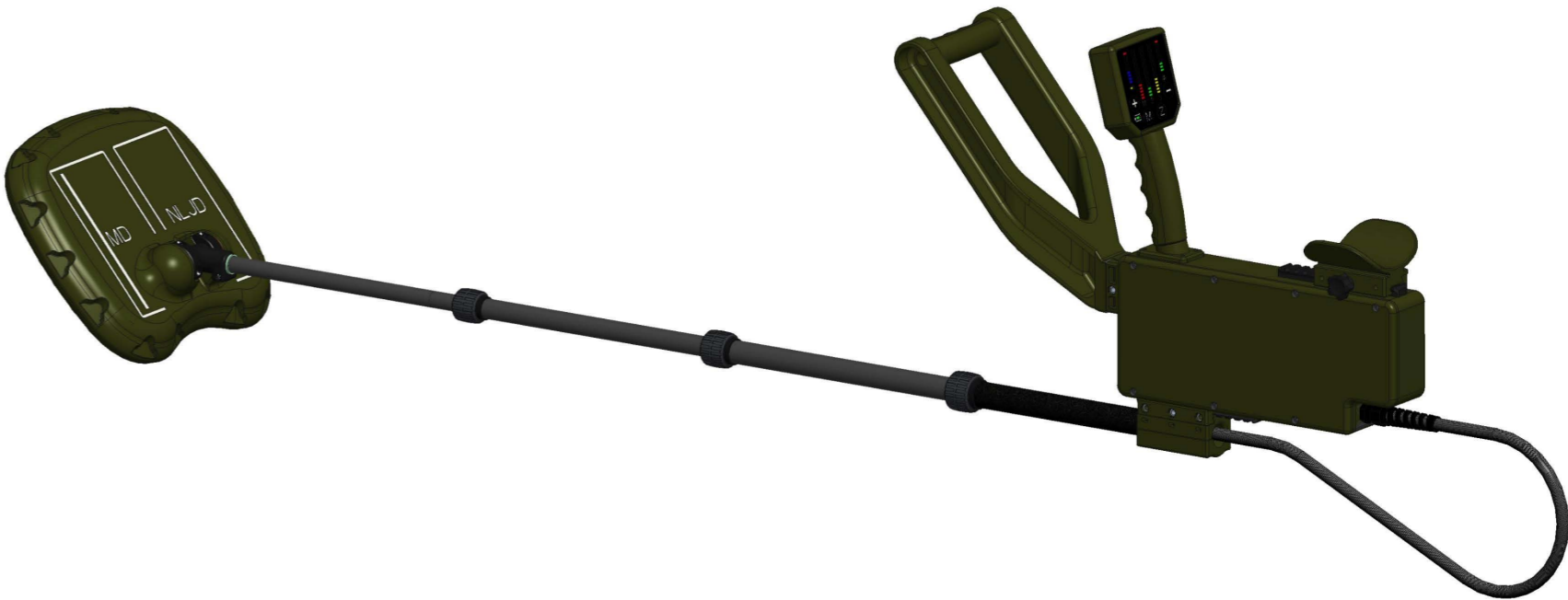
Based on proven technology the Grizzly 10MD has been designed to be used in a variety of applications where power, reliability and quality are required.

The Grizzly offers EOD Operators and All Arms personnel a stand and sweep detector that will detect and locate a wide range of conventional munitions as well as the component parts of Improvised Explosive Devices.

The capability has been developed through working closely with EOD teams and operators. Comprehensive third party involvement has ensured that the detector is rugged, reliable and consistent in all operational scenarios.

### Detection Capability

- Hidden electronics either screened or unscreened, passive or active
- All metal types including aluminium foil
- High Metal Content devices (anti-personnel mines)
- High and Low metal content Victim Operated IED Pressure Plates
- Radio remote control devices at significant stand-off distance (mobile phones,radio remote control servos)
- Electronic trigger mechanisms (timing devices, active or inactive electronics)



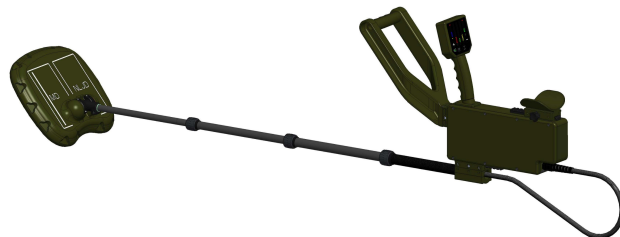
### Features and Benefits

- Simple to use with clear Audio, Visual and Haptic Alerts
- Low false alarm rates (independent of terrain or substrate)
- High performance detection
- Detects powered and unpowered electronic devices
- Detects radio remote controlled devices at stand off
- Patented detection control algorithm that protects against accidental initiation
- Anti-jamming protection
- Protects against accidental or malicious attempts to counter the capability
- Has a low training burden
- Allows a fast rate of advance
- Lightweight so minimises operator burden and fatigue



# Features

- Detects electronic devices when active, dormant or switched off
- Controllable output power to meet a range of target threat
- Fully integrated metal detector
- Easy to use for quick deployment
- Selectable audio and visual warning of threat
- Extendable search head
- Long battery life with optional extra battery
- Output frequency proven to maximize detection of IED threats
- Minimal training burden
- 4 to 20 hour battery life



## Technical Specification

Country of Manufacture	United Kingdom
Transmit Frequency	867 MHz to 872 MHz
Transmit Channels	21
Transmit Power	10W (40+dBm)
Modulation	Pulsed
Transmit Antenna	Circularly Polarised Patch, 4 dBi
Receiver Frequency	2 <sup>nd</sup> Harmonic – 1734 MHz to 1744 MHz. 3 <sup>rd</sup> Harmonic – 2601 MHz to 2616 MHz
Sensitivity	-130 dBm (both harmonics)
Receive Antennas	Circularly Polarised Patches, 3 dBi
Display	2.4" Colour LCD, Bar Graphs, Antenna Mounted Display
Audio	Integral Loudspeaker, Headphone Output, Geiger Click
Battery	Removable Li-ion Battery Pack, 5 to 20 Hours Usage
Operating Temperature	-20°C to +60°C
Metal Detector	10 KHz, CW, Induction Balance.
Weight	4kg with Battery and Armrest Fitted

### Warranty

Every Grizzly 10 MD comes with a full one year warranty against defective materials and workmanship which can be extended if the unit receives regular maintenance and recalibration.

### Training

Hyperion Defence Solutions offers full training in using all of our products as well as complete Counter Improvised Explosive Device and Explosive Ordnance Disposal training solutions.

### Please call for details

**For more information or a demonstration please contact us on the following:**

**Telephone: +971 (0)50 731 2476**

**info@hyperion-defence.com**  
**www.hyperion-defence.com**



Hyperion Defence Solutions Limited, 71-75 Shelton Street, Covent Garden, London, WC2H 9JQ, United Kingdom

Tel: +971 (0)50 731 2476

Email: [info@hyperion-defence.com](mailto:info@hyperion-defence.com)

[www.hyperion-defence.com](http://www.hyperion-defence.com)