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Dipolo



Affordable



Reliable



Cutting-Edge

The Dipolo is an Ultra-Wideband (UWB) pulsed dipole Ground Probing Radar (GPR) for non-destructive imaging of subsurface structures. It comprises of a transmitter and receiver boards and antennae and a controller board.



Every explorer's tool

Indispensable tool for every researcher, archaeologist, geengineer or hobbyist.

Quick assembly & startup

No fuss assembly and startup in less than 10 minutes.

Versatile & robust

Made for the harsh outdoors - waterproof, rock friendly, made to endure.

Noise reduction technology

PCBs designed with low noise topologies producing state of the art tech.

Cheap controller in your pocket

Connect to your Android device, press start and you are now surveying.

Lightweight & easy carry

Packaged neatly in a lightweight backpack, the whole system is under 3kg.

Live data, no latency

Live feed of what is under your feet - no delays, no confusions.



Pastoral Land

6.24m

Silt

7.12m

Limestone

8.50m

Sandstone

9.19m

Granite

10.06m

Coal

11.25m

Pure Ice

12.58m

Sand

12.99m

Polar Snow

19.02m

—● Mining

Mine site evaluation ensures health & safety
Rock mass stability & overburden determination
Mineral exploration & tunneling design

—● The Research Community

Stratigraphy & strata mapping and definition
Water & gas pockets detection, study landslide-prone areas
Glaciology & ice thickness determination

—● Archaeologists

Locate lost cities, burial sites and places of worship
Find pottery, weaponry or other tools of communities past

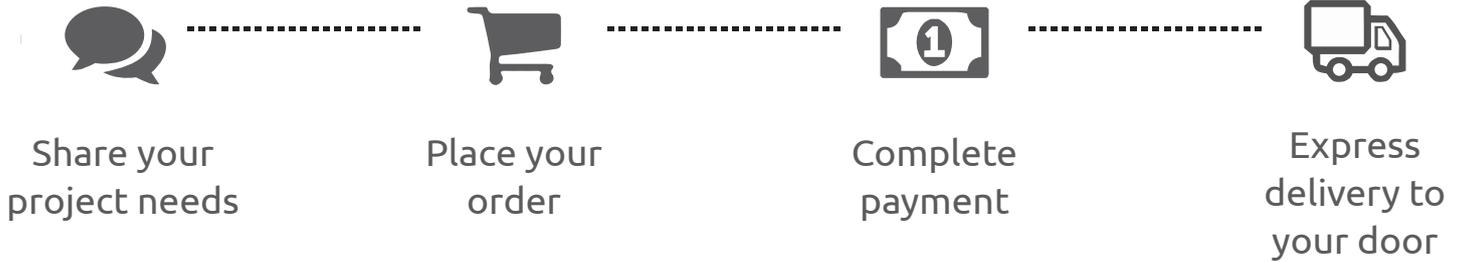
—● Infrastructure Planning & Construction

Evaluate construction site stability
Detect sinkhole areas and prevent damage



Fast & Easy Process

3 - 7 business days



What You Get

Full System

- Dipolo GPR main module
- Antenna set 100 MHz
- Antenna set 300 MHz
- Antenna set 500 MHz
- Battery pack 10 x 1.2 V 2400 mAh NiMH
- Battery charger
- Assembly tools
- USB OTG
- USB data cables
- Oerad data acquisition software
- All needed documentation
- Backpack
- 2-year warranty

Accessories Pack

- Battery pack 20 x 1.2 V 2400mAh NiMH
- Android tablet
- Tablet support



Technical Specifications

Frequency Bandwidth	10 MHz - 800 MHz
Central Frequency	100 MHz / 300 MHz / 500 MHz
Time Windows	75 ns / 150 ns
Dynamic Range	min 120 dB
Battery Autonomy	7 h / 14 h
Min Vertical Resolution	0.2 m
Min Horizontal Resolution	0.2 m
ADC Range	8 bit
Size	75 / 110 / (78 35 25) cm
Weight	2.5 kg





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