

# RD1000™ Utility GPR

PORTABLE GROUND PENETRATING RADAR SYSTEM





### EASY OPERATION

High contrast color LCD and intuitive keypad-driven operation.

### POWERFUL UNDERGROUND MAPPING

DSP based ground penetrating radar that delivers a clear and accurate picture.

### UNIQUE LOCATE MODE

Easily identify the location and depth of buried utilities.

### RUGGED DESIGN

Built from durable, weatherproof materials for all-terrain operation.

### DIGITAL ENHANCEMENT

Use digital gain, filters and color adjustment to clarify location readings and filter out unwanted signals.

## Radiodetection's portable GPR system for survey professionals

In the congested landscape of today's increasingly complex utility infrastructure, the technician can be overwhelmed with the multitude of interwoven metallic and non-metallic utilities. Wouldn't it be easier to see what's underground without the cost and disruption of exploratory excavation? Radiodetection is proud to introduce the RD1000, a truly portable and cost-effective ground penetrating radar (GPR) system that gives cable and pipe surveyors worldwide the ability to see what's underground.

The RD1000 is an exciting and powerful addition to the utility surveyor's toolkit. Using radar technology, the RD1000 displays an image map of underground features. With the RD1000, the technician can see a pipe or cable in its topographical context making it ideal for locating and excavating utilities. The advantage over a traditional, electromagnetic locator is that the RD1000 can see non-conductive materials including plastic pipes.

Built from durable, weatherproof materials, the RD1000 offers users a comfortable and easy-to-steer product that can operate in almost any terrain. The RD1000 ships in a single container and weighs less than 23kgs (50lbs). The RD1000 can be assembled on site in less than two minutes and can be dismantled with ease for compact storage and safe transportation. The modular design makes the RD1000 easy to service and repair.

The RD1000 offers outstanding locate performance. The RD1000's powerful DSP core displays the sub-surface map in real-time on a high-contrast LCD. RD1000 features integrated digital color and gain enhancements that let the operator maximize locate quality and performance. Advanced digital filtering helps the operator to eliminate unwanted signals and provide greater accuracy.

Operating the RD1000 is simple. The LCD features an integrated and intuitive keypad and menu system that offers the operator easy access to the advanced digital features offered by the RD1000's DSP core. Another easy-to-use feature is Locate Mode. Unique to the RD1000, Locate Mode, is activated simply by reversing the cart. Locate Mode provides an accurate snapshot of underground conditions and uses a cursor to indicate the depth and location of a buried utility.

RD1000 features one-touch image recording to help the technician document their findings. Images are saved to durable Compact Flash cards, which can be copied to a PC using inexpensive third-party card readers. The Compact Flash card interface also allows the user to update the RD1000 firmware when upgrades are made available.

## RD1000 GPR system

**Display unit:** large, high visibility screen with intuitive one-touch controls

**Sensor box:** Light-weight design houses powerful GPR transceiver and digital processor

**Ergonomic handle:** comfortable grip and well balanced control to assist in maneuverability

**All-terrain wheels:** agile and durable for easy operation across any surface

**Battery Pack:** portable and weatherproof construction. Easy to swap in the field for extended hours of operation



### COMPACT DESIGN

Weighs less than 23kg (50lbs) and easily disassembled for convenient transportation and storage.

### INTEGRATED ODOMETER

Track your progress and map utilities with ease.

### SELECTABLE DEPTH

Accurately survey utilities buried up to 8 meters/26.5 feet.

### USER UPGRADABLE FIRMWARE

Easily upgrade the RD1000 firmware using a Compact Flash card.



RD1000 SPECIFICATIONS	
Screen:	7.25" color LCD
Storage:	Compact Flash card for recording snapshots and software upgrades
Dimensions:	97 x 110 x 70cm 38 x 43 x 27in
Weight:	23kg (50lbs)

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RADAR SYSTEM



## Global locations

### USA

#### SPX Global Headquarters

13515 Ballantyne Corporate Place  
Charlotte, NC 28277, USA  
Tel: +1 704 752 4400  
www.spx.com

#### Radiodetection

28 Tower Road, Raymond, Maine 04071, USA  
Tel: +1 (207) 655 8525  
Toll Free: +1 (877) 247 3797  
Fax: +1 (207) 655 8535  
rd.sales.us@spx.com  
www.radiodetection.com

#### Pearpoint

39-740 Garand Lane, Unit B  
Palm Desert, CA 92211, USA  
Tel: +1 800 688 8094  
Tel: +1 760 343 7350  
Fax: +1 760 343 7351  
pearpoint.sales.us@spx.com  
www.radiodetection.com

#### Radiodetection (Canada)

344 Edgeley Boulevard, Unit 34  
Concord, Ontario L4K 4B7, Canada  
Tel: +1 (905) 660 9995  
Toll Free: +1 (800) 665 7953  
Fax: +1 (905) 660 9579  
rd.sales.ca@spx.com  
www.radiodetection.com

### EUROPE

#### Radiodetection Ltd. (UK)

Western Drive, Bristol BS14 0AF, UK  
Tel: +44 (0) 117 976 7776  
Fax: +44 (0) 117 976 7775  
rd.sales.uk@spx.com  
www.radiodetection.com

#### Radiodetection (France)

13 Grande Rue, 76220, Neuf Marché, France  
Tel: +33 (0) 2 32 89 93 60  
Fax: +33 (0) 2 35 90 95 58  
rd.sales.fr@spx.com  
http://fr.radiodetection.com

#### Radiodetection (Benelux)

Industriestraat 11  
7041 GD 's-Heerenberg, Netherlands  
Tel: +31 (0) 314 66 47 00  
Fax: +31 (0) 314 66 41 30  
rd.sales.nl@spx.com  
http://nl.radiodetection.com

#### Radiodetection (Germany)

Groendahlscher Weg 118  
46446 Emmerich am Rhein, Germany  
Tel: +49 (0) 28 51 92 37 20  
Fax: +49 (0) 28 51 92 37 520  
rd.sales.de@spx.com  
http://de.radiodetection.com

### ASIA-PACIFIC

#### Radiodetection (Asia-Pacific)

Room 708, CC Wu Building  
302-308 Hennessy Road, Wan Chai  
Hong Kong SAR, China  
Tel: +852 2110 8160  
Fax: +852 2110 9681  
rd.sales.cn@spx.com  
www.radiodetection.com

#### Radiodetection (China)

Hongfu Mansion, Room 61622  
Zheng Ge Zhuang, Bei Qi Jia Town  
Chang Ping District  
Beijing 102209, China  
Tel: +86 (0) 10 8178 5652  
Fax: +86 (0) 10 8178 5662  
rd.service.cn@spx.com  
http://cn.radiodetection.com

#### Radiodetection (Australia)

Unit H11, 101 Rookwood Road,  
Yagoona NSW 2199, Australia  
Tel: +61 (0) 2 9707 3222  
Fax: +61 (0) 2 9707 3788  
rd.sales.au@spx.com  
www.radiodetection.com

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