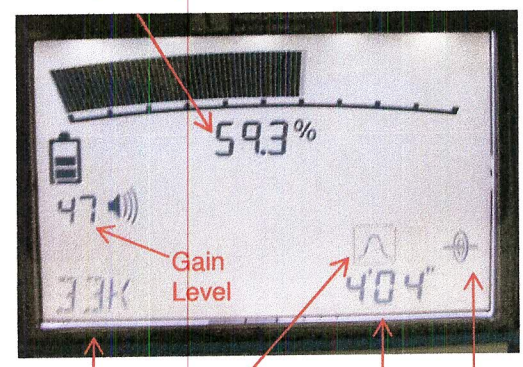
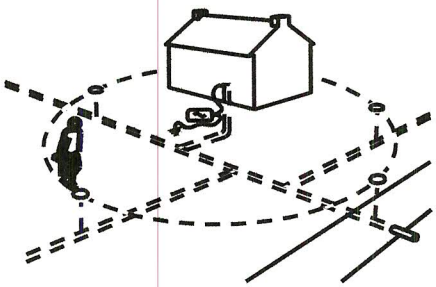
RD7000 QUICK START GUIDE

Active Locating – Receiver Operation



- Turn on receiver by pushing button.
- Set frequency to 33khz Line Mode, using button.
- Set antenna to peak mode using button.

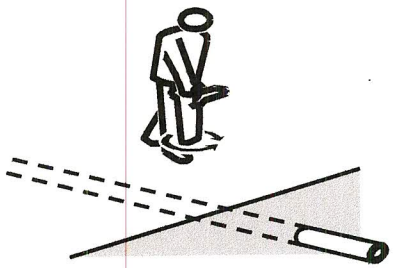
Receiver indicates position of underground conductor by showing highest bar graph and signal strength percentage.



SCAN for strongest signal.

- Circle around transmitter to detect strongest signal.
- Adjust gain using buttons.

For best response bar graph should reach maximum signal at approximately 60%.



PINPOINT exact location of conductor.

- Bar graph will rise and fall as blade is moved across conductor.
- Memory bar on graph shows strongest signal response.
- Once strongest signal is located . . .
Rotate receiver as shown. Bar graph will reach maximum signal when receiver is properly aligned over conductor.

Depth is displayed on screen automatically when receiver is properly aligned over conductor.

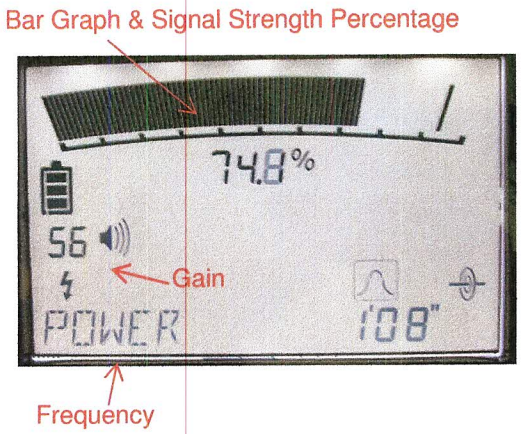
TRACE the path of conductor.

- Bar graph will rise and fall as blade is moved across conductor.
- Adjust gain using up & down arrows to have bar graph reach maximum signal at approx. 60%.

*Repeat **PINPOINT** & **TRACE** steps along path of conductor.*

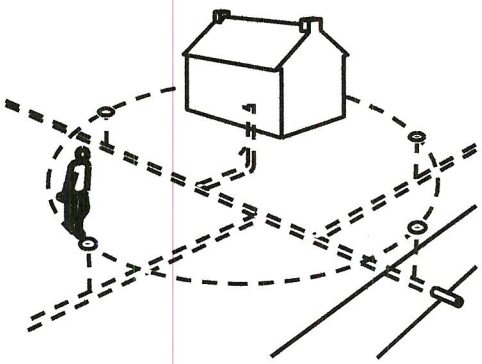
RD7000 QUICK START GUIDE

Passive Locating – Receiver Operation



- Turn on receiver by pushing  button.
- Using  button. Set frequency to *Power, Radio, or CPS*

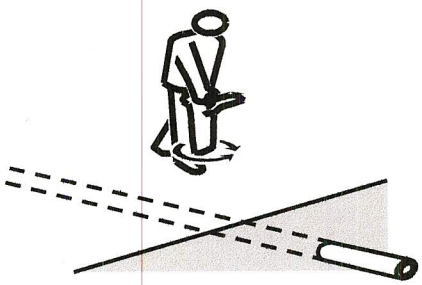
Receiver indicates position of underground conductor by showing highest bar graph and signal strength percentage.



SCAN for strongest signal.
Circle around area of search to detect strongest signal.

- Adjust gain using  buttons.

For best response bar graph should reach maximum signal at approximately 60%.



PINPOINT exact location of conductor.

- Bar graph will rise and fall as blade is moved across conductor.
- Memory bar on graph shows strongest signal response.
- Once strongest signal is located . . .
Rotate receiver as shown. Bar graph will reach maximum signal when receiver is properly aligned over conductor.

Depth is displayed on screen automatically when receiver is properly aligned over conductor. Exceptions . . .

Depth in Power – Only available on PL
Depth in CPS – Only available on DL
Depth in Radio – Not Available

TRACE the path of conductor.

- Bar graph will rise and fall as blade is moved across conductor.
- Adjust gain using up & down arrows to have bar graph reach maximum signal at approx. 60%.

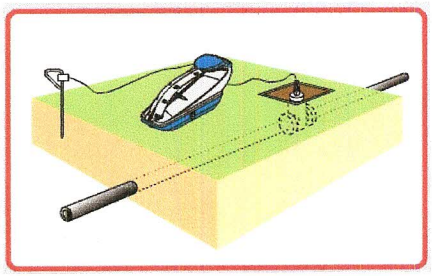
*Repeat **PINPOINT** & **TRACE** steps along path of conductor.*

RD7000 QUICK START GUIDE

This guide provides the most basic procedures for using the RD7000 Locator. Additional information on utility locating and equipment operation is found in the User Guide and Operations Manual.

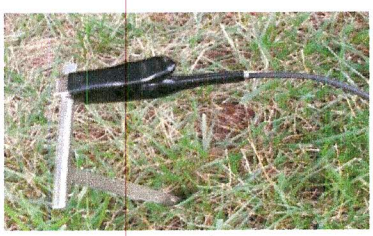
Transmitter – Direct Connection

Plug red & black leads into connection socket on transmitter.



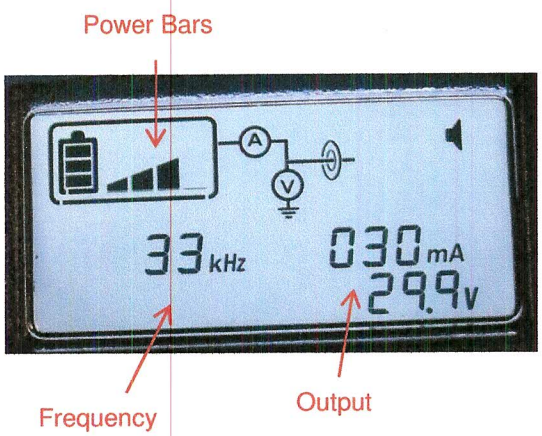
Connect red lead to conductor. Make metal to metal contact with red lead and target utility.

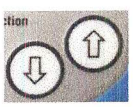
Not to be used with live electrical wires.



Drive the ground spike into the earth and connect black lead to ground spike.

It is best to place the ground away from the connection point at a right angle to the conductor path.

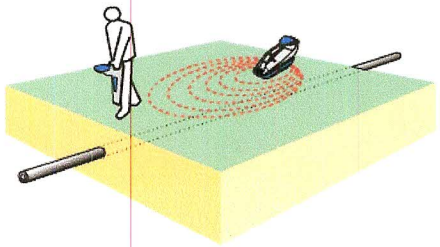


- Turn on transmitter by pushing  button.
- Set frequency to 33khz, pushing  button.
- Set power to 3 bars by pushing  buttons.
- Verify output by checking mA reading.

20 mA or more indicates good signal output.

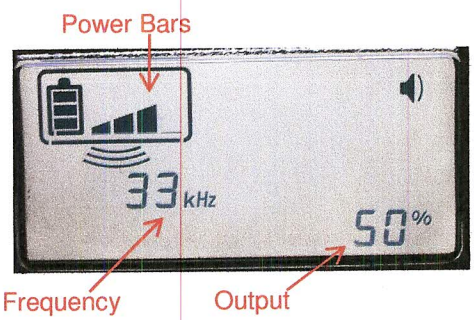
RD7000 QUICK START GUIDE

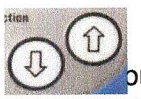
Transmitter – Induction



Inductive locating must be done at least 15 paces from transmitter to avoid air-coupling.

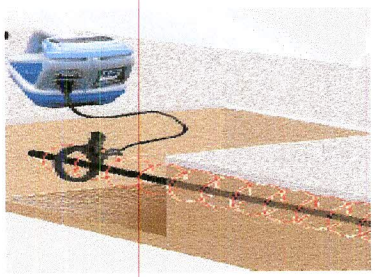
Place transmitter on ground over expected path of conductor with handle in line with path of conductor.



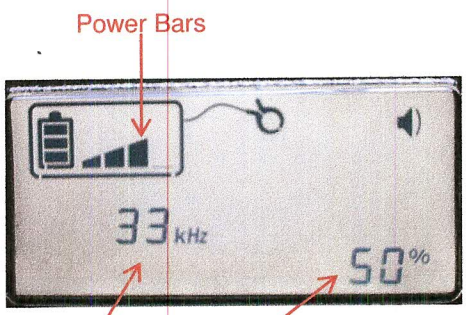
- Turn on transmitter by pushing  button.
- Set frequency to 33khz, pushing  button.
- Set power to 3 bars (50% Output) pushing  buttons.

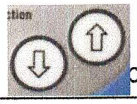
Transmitter – Signal Clamp

Plug clamp into connection socket on transmitter.



Place clamp around target conductor.
For best output ensure clamp completely closes around conductor.



- Turn on transmitter by pushing  button.
- Set frequency to 33khz, pushing  button.
- Set power to 3 bars (50% Output) pushing  buttons.