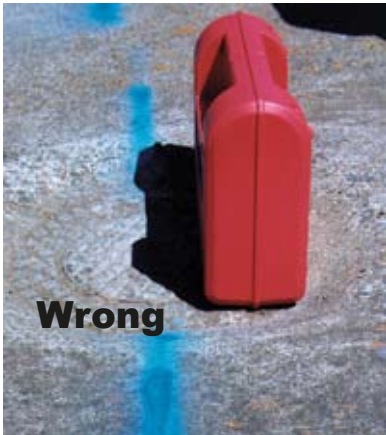


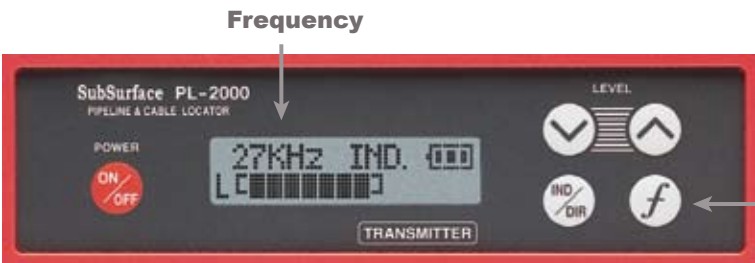
Inductive Mode



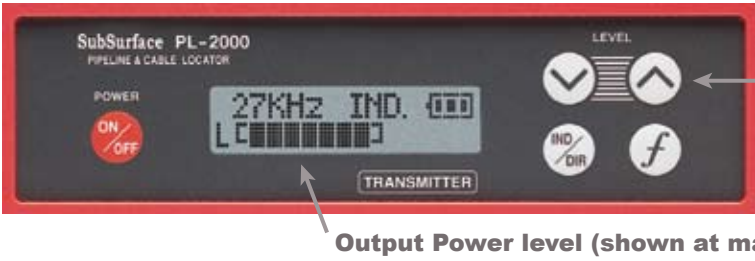
a. Position the transmitter on the ground over the pipe or cable:



b. Choose either 27kHz or 8kHz frequency:



c. Adjust the Output Power for either long distance (maximum power) or for short distance (save battery life):



Direct Connection Mode

a. Connect the Direct Mode cables to the transmitter, Ground stake, and the metal conductor to be located:

Connect to transmitter



Connect Red cable to conductor



Attach the clamp for the Red cable at a clean spot on conductor.

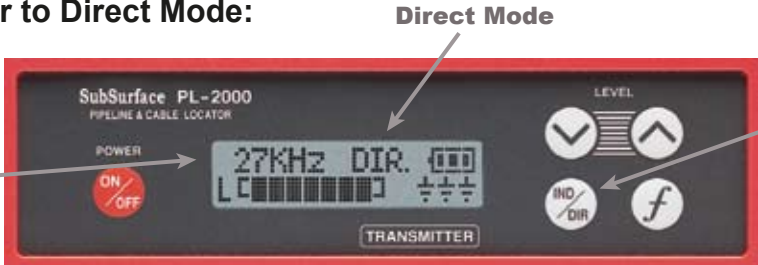
Connect Black cable to the Ground stake



Attach the clamp for the Black cable to the Ground stake. Position the Ground stake 5-15 feet from side of conductor.

b. Switch the transmitter to Direct Mode:

Displays 27kHz, 8kHz, 0.5kHz, or MIX



c. Choose a frequency, or “MIX” for all 3 frequencies at once:

.5 kHz (512 Hz) or 8 kHz go the longest distances. .5 kHz requires a continuous, grounded conductor.



d. Confirm that Ground connection is good:

Check the Red (pos.) cable for good contact too.



e. If the Ground connection is poor, re-position the Ground stake and check both the Red cable and the Black cable for good contact. Turn OFF power before touching metal stake or metal clamps!







1. The Receiver must be operated facing in the direction of the pipeline or cable.

Turned 90 degrees from the pipeline or cable, there is no response at all.

2. When the receiver is turned ON, the Sensitivity is automatically adjusted depending upon the signal detected from the transmitter.



3. Select the same frequency as selected at the transmitter for “active” locating, or select “Radio” or “50/60 Hz” for “passive” locating (no transmitter).



4. Select the Operating Mode depending whether you wish to locate a line with highest accuracy or longest distance, or you are locating a Sonde inside a pipe.

Peak mode has the highest accuracy locates, and DIST allows even longer distance locates. Null allows fast tracking.



5. The receiver only locates the line in Peak Mode and DIST Mode when the bar graph is climbing on the sloped sections.

If the words “Excess Sens.” appear, turn down the Sensitivity. If the bar graph is not climbing the sloped section at all, turn up the Sensitivity. Sensitivity must be increased as you walk further from the transmitter.



6. The depth of the line or a sonde can be measured in the Peak Mode or the Sonde Mode only.

7. The receiver turns OFF automatically when no key has been touched for 5 minutes. The audio sound can be adjusted at the Speaker Key (right side) for louder, quieter, or no sound.

