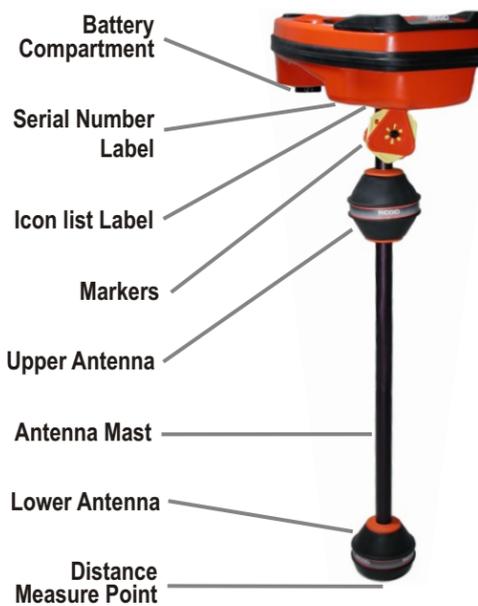
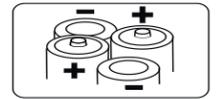


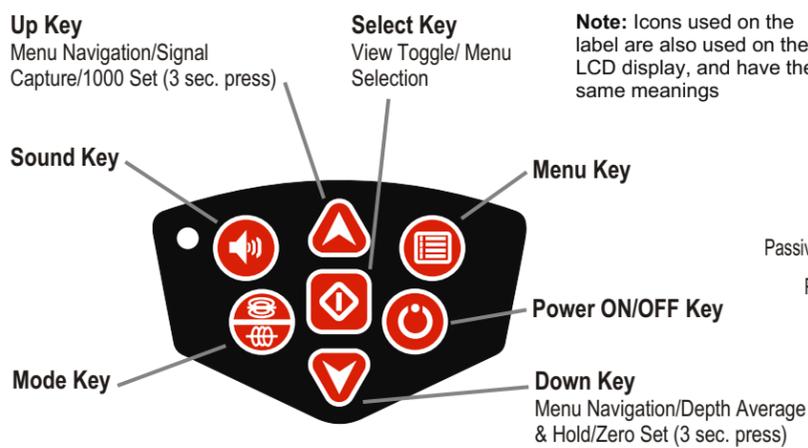
Identification & Setup



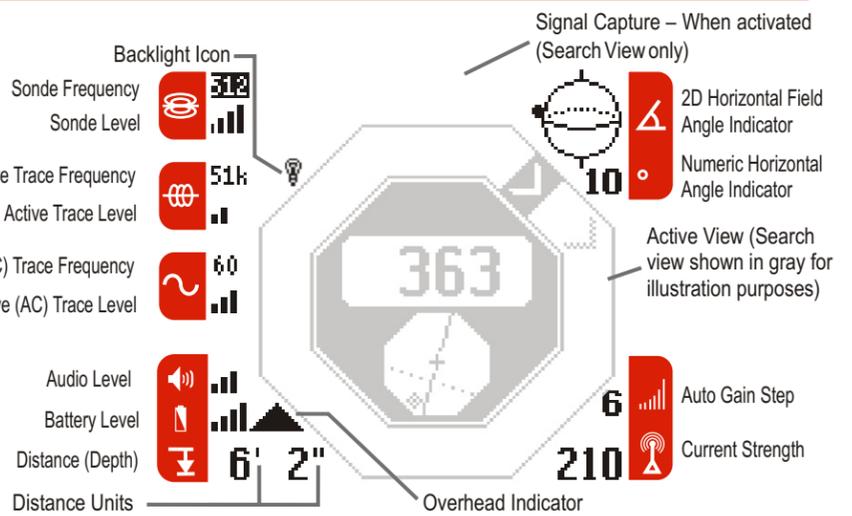
Install four (4) C-cell batteries



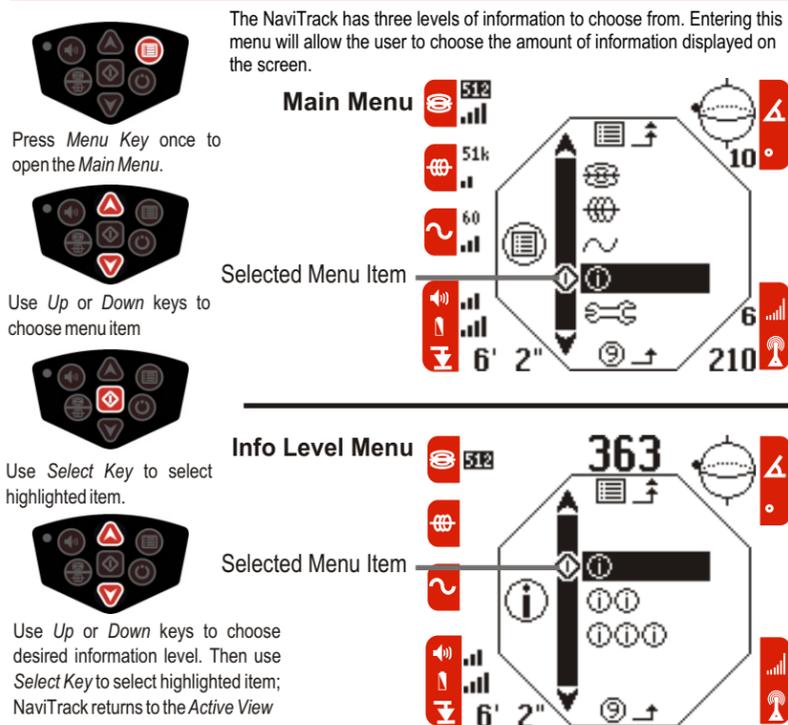
Keypad & Screen Reference



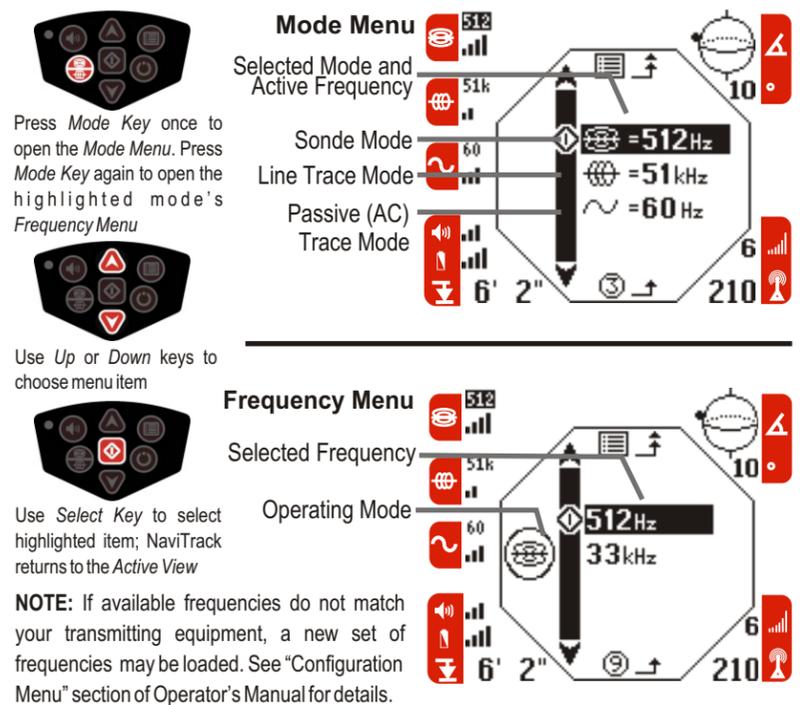
NOTE: Cycle power ON/OFF to reset 1000 Level and Zero Set to default levels.



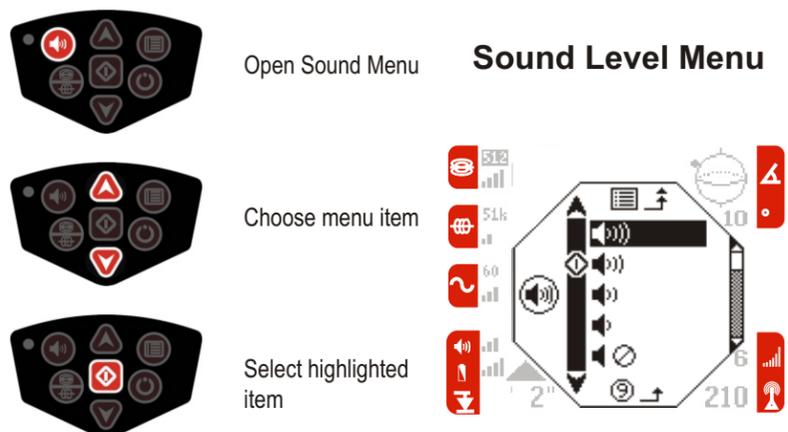
Setting Information Level



Selecting Operating Mode & Frequency

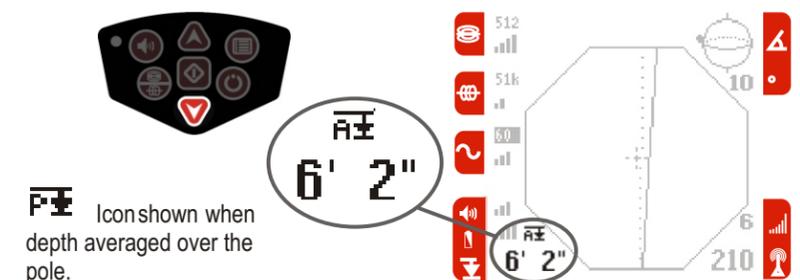


Setting Sound Level



Depth Average & Hold

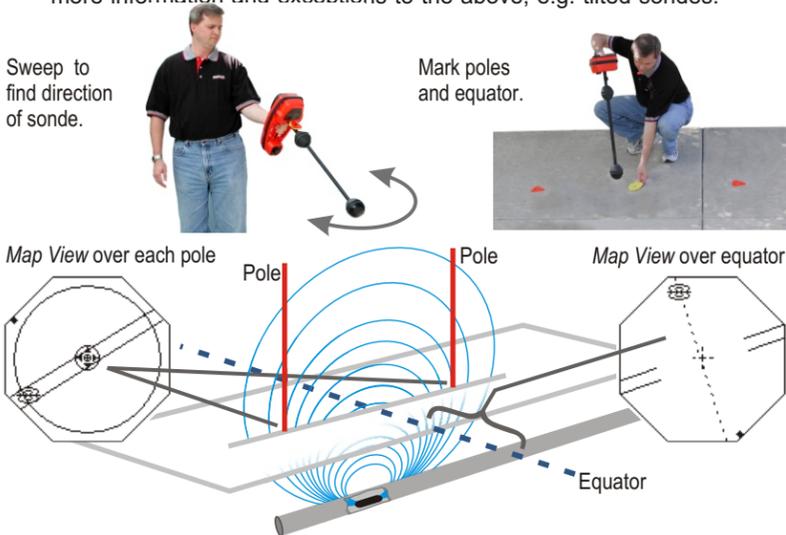
Averages the depth reading over a four (4) second interval and holds the reading on the display. Press once to take reading, press again to return to real time depth display. $\overline{\text{FE}}$ Icon shown when depth held. Depth readings are available in feet and inches (xx' xx"), decimal feet (xx.xx'), and meters (xx.xx m).



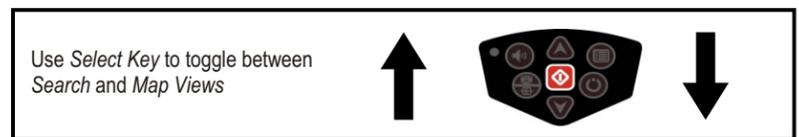
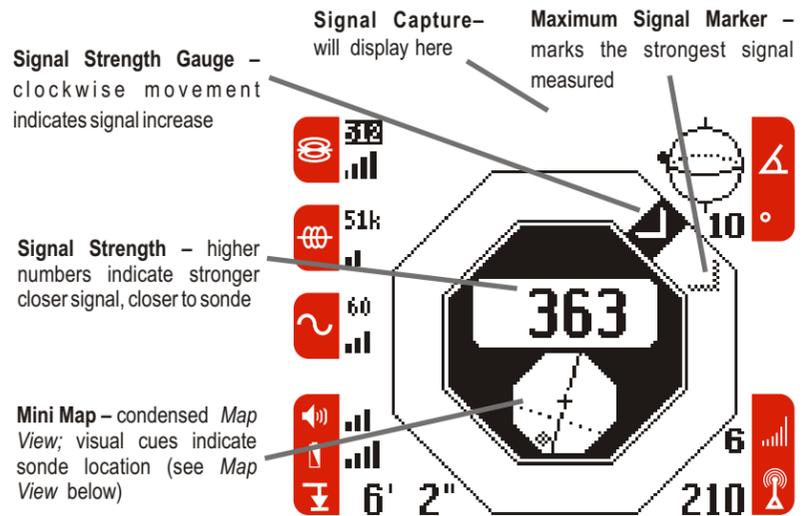
See User Manual for details

Sonde Mode

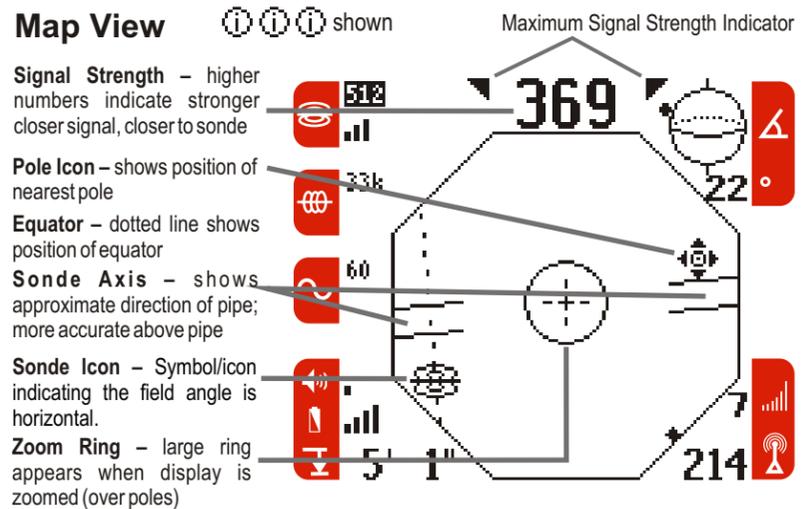
1. Select the *Sonde* operating mode and select the frequency that matches your sonde (most cameras are 512Hz).
2. With the sonde turned off, zero the display by pressing the *Down* key until the unit "dings" (~3 sec). (Optional; eliminates stray electrical signals to make detection easier).
3. Starting with the NaviTrack in *Search View* and near the suspected sonde location, hold NaviTrack so the mast is horizontal and extend your arm. Make a slow circle (see illustration below) while observing the signal strength; it will be highest when the mast is pointed in the sonde's direction.
4. Lower NaviTrack to its normal operating position (mast vertical) and walk in the direction of the sonde. As you approach the sonde, the signal strength will increase. When it begins to decrease, stop walking and switch to *Map View* (to switch press the *Select* key).
5. Locate the Pole icon on the display (see *Map View* illustration). With the mast vertical, move NaviTrack until the Pole icon is centered on the crosshairs. Place one of the orange markers on the ground at this spot.
6. Locate the Sonde icon on the display (see *Map View* illustration) move toward Sonde icon along the estimated pipe axis (double line). After you cross over the Equator (dotted line), the second Pole will appear. Center the pole on the crosshairs and mark its position as before.
7. Move back toward the Equator. With the mast vertical and the lower antenna ball in line with the Pole markers, center the dashed Equator line on the crosshairs. Place the yellow marker at this spot.
8. Verify the locate: all three markers aligned, signal strength highest and depth lowest directly over the yellow marker. See the user manual for more information and exceptions to the above, e.g. tilted sondes.



Search View (default) shown



Map View shown

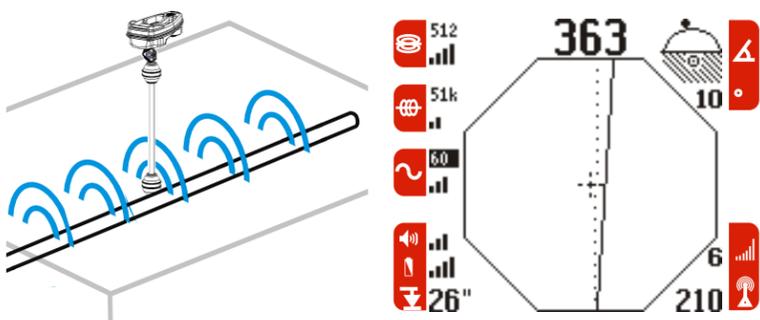


Line & Passive (AC) Trace Modes

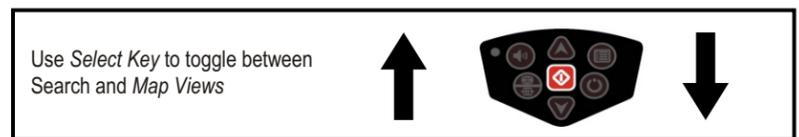
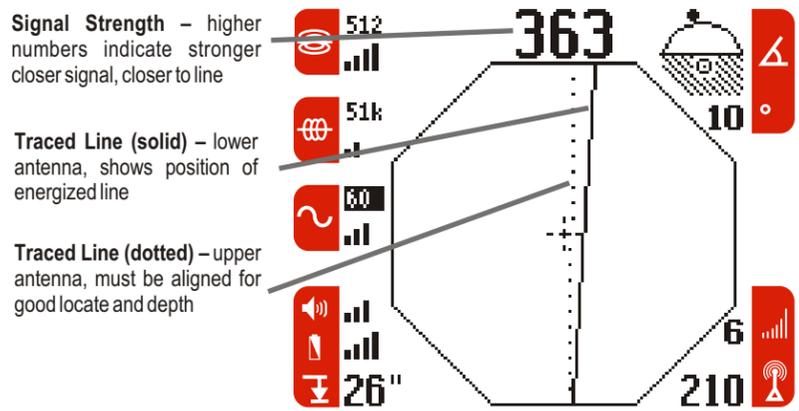
1. Determine the frequency of your Line Transmitter.
2. Select the NaviTrack Trace operating Mode and select the frequency you plan to use.
3. Use the *Select* Key to Toggle to the *Map View* (if needed).
4. (Optional) Zero Set: With the Line Transmitter turned off, press the *Down* Key for 3 sec to set the "Transmitter Off" Signal Strength Baseline to 0.0 to make detection easier.
5. Energize the line to be traced. Verify that the indicated signal strength increases significantly if you are near the transmitter. Place the lower antenna near either the ground wire (black) or the direct connection (red) wire and confirm you have a steady solid tracing line on the display. If the Line Transmitter is in inductive mode you should see a very large signal anywhere near the Transmitter.
6. Trace the line.
7. (Optional) 1000 Set: Centered over the line, with a strong signal present, press the *Up* Key for 3 sec to set the Signal Strength and Current Level reading both to a "normalized" value of 1000.

When the Lower Antenna Signal (solid line) is centered on the Map View, you are above the energized line. If the Upper Antenna Signal (dotted line) is significantly aligned with Lower Antenna Signal the field is undistorted.

See the user manual for more information and exceptions to the above.



Map View (default) shown



Search View shown

