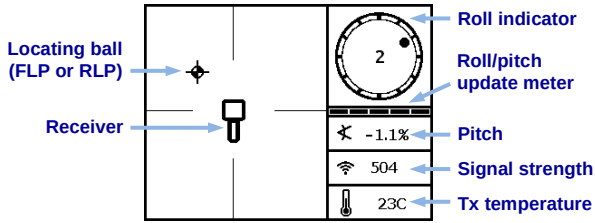
Power On Receiver

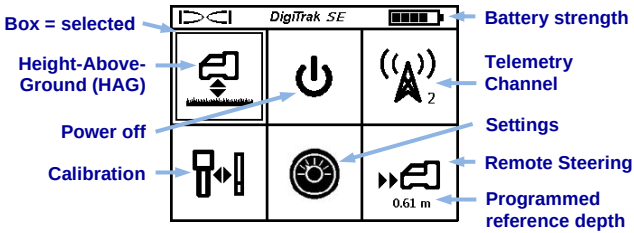
1. Install battery pack and hold trigger for one second.
2. Click to acknowledge the warning screen.
3. At startup screen, note region number in globe icon.
4. Click trigger to view Locate screen; click again to open Main menu.

Receiver Locate Screen



Receiver Main Menu

Click to open the Main menu. Click between menu options, hold briefly and release to select.



Power On the Transmitter

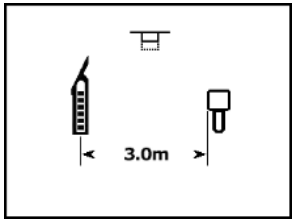
Ensure region number in globe icon on transmitter matches that on the receiver startup screen.

Install batteries in the SE 12 kHz transmitter.

Calibration Menu

Calibration is necessary prior to first-time use and before using a different transmitter, receiver, or drill head. Calibrate in an interference-free environment and with the transmitter in a housing. Use a tape measure to check calibration daily.

1. Place transmitter in a housing on level ground 3 m from receiver (measure from inside edge of receiver as shown).
2. Record signal strength for future use.
3. From the Main menu, select **Calibration**, **1PT CAL**, and click to calibrate.
4. Verify calibration by moving receiver ±1.5 m and holding trigger to take another depth/distance reading.



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Settings Menu

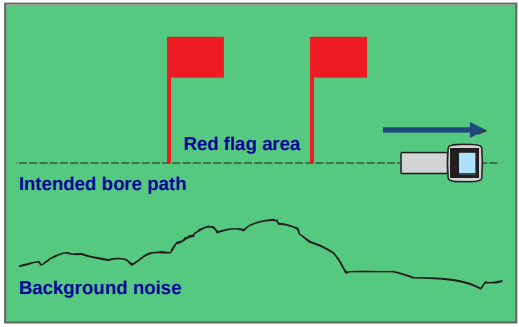
Use this menu to set the depth units, pitch units, and roll offset as needed. Set the remote display to match receiver depth and pitch settings.

Height-Above-Ground (HAG) Menu

HAG is the distance from the bottom of the receiver to the ground while holding the receiver. Selecting HAG on the Main menu lets you take accurate below-ground depth measurements without placing the receiver on the ground. HAG shuts off during calibration, after a power cycle, and when depth units are changed; it is ignored during Remote Steering and in AGR mode.

Background Interference Check

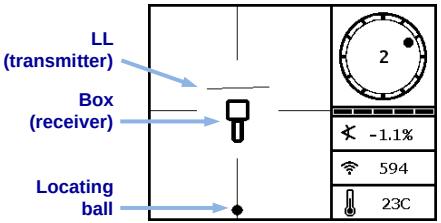
In Locate mode with no active transmitters in range, turn on the SE® receiver and walk the bore path while checking for background noise. Mark areas with increased background noise (red flags used below).



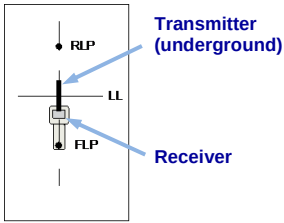
One-Person Background Signal Strength Check

When drilling, the signal from the transmitter must be at least 150 points above the ambient background noise level. Where noise is excessive, data signal may be temporarily random or unavailable.

Bird's-Eye View on Locate Screen

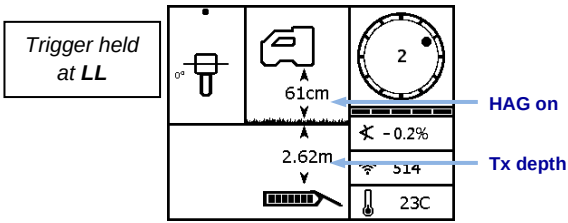


Receiver Locate Screen, Approaching LL

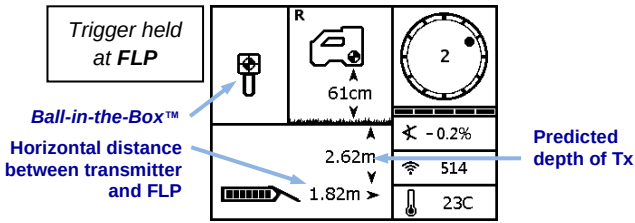


Actual Position of Receiver and Transmitter

Transmitter Depth and Predicted Depth



Depth Screen (Line-in-the-Box at LL)



Predicted Depth Screen (*Ball-in-the-Box*™ at FLP only)

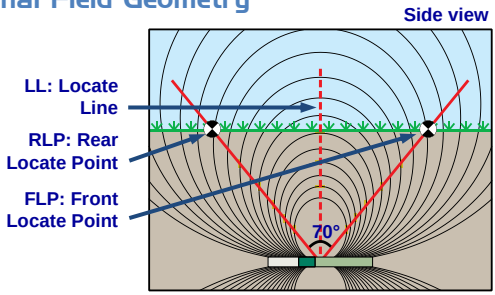
For detailed information, see the SE System Operator's Manual, available at www.DigiTrak.com. If you have questions, contact your regional DCI office or U.S. Customer Service at 1.425.251.0559 or 1.800.288.3610 US/CA.

Basic Locating

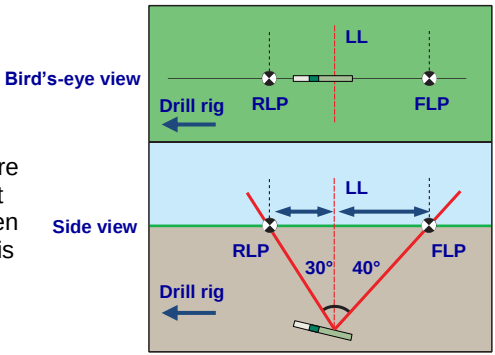
1. Find FLP and RLP by centering the target ball in the box.
2. At FLP, hold trigger for predicted depth reading.
3. Find LL by centering the line in the box between FLP and RLP (see Locate screen on page 4).
4. View depth by holding trigger at LL.

Transmitter Signal Field Geometry

» Level Transmitter



» Pitched Transmitter



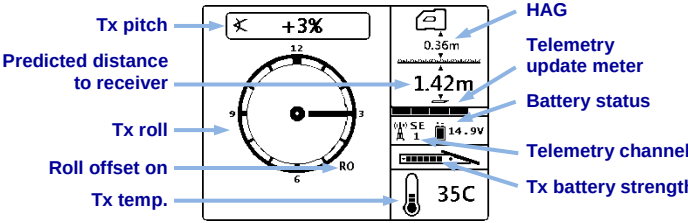
FLP and RLP are not equidistant from the LL when the transmitter is pitched.

SE Display (SED™)

1. Install battery pack.
2. Connect antenna.
3. Press the push button to power on; the display enters the **Remote Mode** locating screen.

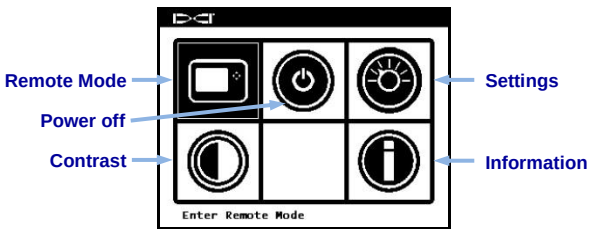
SED Remote Mode Locating Screen

This screen shows the data the Tx is sending to the receiver. Use this screen during drilling.



SED Main Menu

Press the push button to access the Main menu. Use the button to click through menu options, hold to select. To return to Remote Mode, select the first icon or wait three seconds.



SED Settings Menu

Use the Settings menu to set telemetry channel, receiver, or region to match the receiver.