Sewer Line Rapid Assessment Tool (SL-RAT[®])

Quick Start Guide

(Refer to Owner's Manual for detailed instructions)

Important Notes

- 1. You MUST download measurements when RX unit reaches storage capacity at 500 measurements (see SL-DOG Quick Start Guide).
- 2. If TX states "RX/TX Synch Required," sync devices (STEP 1) by turning both TX and RX off and on.
- 3. Do not knowingly skip manholes.
- 4. Start TX before RX. "Yell" before you "Listen."
- 5. View uploaded measurements at <u>www.sl-dog.com</u>

TX (Transmitter) RX (Receiver) Image: Constraint of the second second

STEP 1 Sync Devices and Acquire GPS

Turn on TX & RX Units



Turn on TX and RX units to automatically start initialization. This should ideally be done outdoors with a clear view of the sky. Initialization is complete once units sync and acquire GPS coordinates. Once initializing is complete, you should see the following start up screens:

RX Start Up Screen:



MEMORY Indicates how many acoustic measurements are stored on the device. The RX will require that records be uploaded to a computer when it reaches storage capacity at 500 measurements.

We highly recommend routinely uploading measurements as part of the acoustic inspection process to avoid reaching memory capacity. Once uploaded, the counter will restart at zero. Please reference SL-DOG Quick Start Guide for uploading instructions.

TX Start Up Screen:

Battery Level 092% Rx/Tx Synch None Menu START TEST PG1/2

RX/TX Synch indicates synch status of RX and TX devices. Please note, the TX and RX automatically synch every time they are turned on. <u>The TX will</u> require synch if it reaches 200 records.

RX/TX Synch None: All measurements have been synched **RX/TX Synch Ready:** 1-150 measurements waiting to synch **RX/TX Synch Warning:** 150-199 measurements waiting to synch

RX/TX Synch Required: Data must be synced to continue operation. Devices have reached capacity at 200 unsynchronized measurements (See Step 1).



STEP 2 Place RX and TX over manholes

Remove consecutive manhole lids (connecting one pipe segment). Do not skip manholes. Place the RX unit over the manhole at one end, and the TX unit over the other end.



Start TX unit then start RX unit STEP 4



D: Press START TEST on TX unit.

E: Press START again to begin test. TX will begin series of tones. Signal to operator with the RX unit to begin test on RX.

F: On the RX, push START RX to begin listening.

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Testing Stages

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Complete Test STEP 5

The TX will go through a series of tones 6 to 12 times. The test is complete once the RX provides an acoustic blockage assessment score (GOOD, FAIR, POOR, BLOCK).



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