

The Original



# SOS<sup>®</sup>

Siren-Operated Sensor

Access Control and Emergency Access

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## SOS-TUNE Quick Setup Guide

[Install the USB Cable Adapter Driver BEFORE connecting the USB Cable to your Laptop!](#)

This Setup Guide is designed to guide installers to quickly setup your new RFID Reader to make read range adjustments to your SOS Silent or SOS Gate Trigger.

You will need the following:

- SOS-PL-2000 CD-ROM disc and USB/Serial Cable to connect a reader to your laptop.
- POWER SOURCE (12VDC output transformer or 12V Battery) for the reader
- LAPTOP running windows-based operating system to run the setup software
- RFID tags to learn how to interpret actual tag reads in the setup software
- SOS GATE TRIGGER or SOS SILENT to connect your laptop to it



1. Insert the SOS-PL-2000 CD-ROM disc into your laptop and open the folder named USB Serial Adapter Driver Installer. Open the correct folder for your laptops operating systems. Run the driver installation program and follow the on screen instructions until it finishes installing the USB cable driver.
2. Connect the USB serial adapter cable to your laptop and open *Device Manager > Ports (COM & LPT)*. Make sure that under the ports menu you see Profile USB-to-Serial Comm Port (COMx), where “x” is – that is your USB cable’s COM port number. Remember this COM port number, you will need it later for the Software. Connect the USB cable to the serial port on the SOS Silent or SOS Gate Trigger and then connect power to the unit. You should see LEDs 1 and 4 ON. LEDs 2 and 3 flash on tag reads.
3. From the SOS-PL-2000 CD-ROM, open the folder named Reader Setup Utility Program Installer. Run the file named PtiReaderSetupUtilityInstall Vx.xx.exe. Close all opened windows.
4. Within the *All Programs* list, open the *Protrac iD* folder and run the *Protac iD Setup Utility*.
5. Enter the COM port number for your USB cable port, click the *OPEN* button to open the COM port. Click the *START* button to run the program’s routine. You should see Tag Data populate the main window. Select the Display Options that you want displayed on the Main Window, such as *Wiegand Tag* and *RSSI (Signal Strength)*.
6. Below is an example of Tag Data sampled by a typical reader and test tag:  
**54 9/8/2019 2:19:03PM Wiegand Site:0 Wiegand Tag: 1006 RSSI:148 RSSI Range:0**
7. To made read range adjustments click the Receiver Setup button that will open the Reader Setup window.
8. Click on GET button to get current Reader Settings. Enter or select a new Reader Setting value in the input data banner and then click on its SET button to send and “set” the new setting value to the Reader.
9. Adjust the Readers Read Range by setting its RSSI setting from RSSI 1 unto RSSI 225. To get Short Read Ranges us higher RSSI values (towards 225) and for Long Read Ranges use lower RSSI values (towards 1).
10. Click the *EXIT* button to close the Setup Software’s open windows and exit the program.