

# Silent Guardian

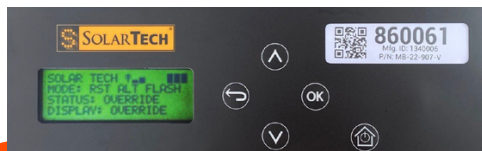
## Speed Limit Trailer SLT-2000

When a changeable digital speed limit sign is required, the SLT-2000 fits the bill. This durable, portable **Speed Limit Trailer** can be towed to, and deployed in, a work zone or highway project. The user can dynamically change the work zone speed limit based on traffic volume or other changeable conditions.

Programming can be done at the sign or remotely via the optional remote communications package. Speed limits can be changed on certain days of the week or times of day, and can be overwritten when conditions change.

Photocells located on the front and back of the speed sign provide for an enhanced adjustment to ambient light. As light conditions change, the brightness of the digital display automatically adjusts to maintain legibility. All the while, the 18" characters are illuminated by intensely bright LED's.

Energy saving software updates allow for a long autonomous run time.



### EASY-TO-USE CONTROLLER OPTIONS

#### MICROTECH CONTROLLER

- ▶ Touchpad Interface
- ▶ Easy to manage menu
- ▶ Backlit 4x20 character LCD screen
- ▶ Password Protection: 4 digit pin passcode to access all functions



#### MEGATECH CONTROLLER (optional)

- ▶ Touch-screen controller
- ▶ Simple one page user interface
- ▶ Password Protection: Ability to assign up to 50 passwords with levels of access
- ▶ Backlit full-color 10.4" LCD screen

#### ADDITIONAL FEATURES

- ▶ **NO manual required- they are that easy to use!**
- ▶ NTCIP version 3 compatible
- ▶ Fully networkable

**Track and manage your fleet... all without leaving your desk!**

#### OPTIONAL REMOTE COMMUNICATIONS

When choosing this option, the SLT-2000 comes with a GPS receiver, a cellular transceiver and **FREE lifetime cellular service\*** for secure remote communication.

Use with SolarTech's Command Center software, you can locate the sign on a map or list, and program the speed rates from your laptop, PC, or smartphone.

Receive notifications if the battery voltage is low, a pixel fails, or the unit moves.

Learn more at [www.solartechtechnology.com](http://www.solartechtechnology.com)

## PRODUCT GUIDE



### PORTABLE SPEED TRAILER FEATURES:

- ▶ **Truly Solar Powered** - Engineered for continuous operation
- ▶ **Ultra Vivid LED Display** - Legible messages under all conditions
- ▶ **Two (2) Photocells** - Enhanced adjustment to ambient light
- ▶ **Energy Saving Software Updates** - Long autonomous run time
- ▶ **Sign Panel Failsafe System** - Automatically detects and corrects errors and faults
- ▶ **CE Marked** - Insures complete electromagnetic compliance for superb reliability
- ▶ **Custom Sign Case and Door Frame Extrusions** - Sturdy, secure and weathertight
- ▶ **Modular Construction** - Easy maintenance and repair

# SLT-2000

## Silent Guardian Speed Limit Trailer

### LED Speed Display Panel

Panel Size .....	36" x 29" (92 cm x 74 cm)
Panel Construction .....	All aluminum, modular construction
Matrix Size .....	7 x 12 pixels, continuous matrix
Pixel Size .....	2.5" x 2.5" (63.5 mm x 63.5 mm), each pixel consists of three (3) LEDs
Character Height .....	18" (45.7 cm)
Display Technology .....	LED (white)
Display Life Expectancy .....	10 years typical
Lifting Mechanism .....	1,000 lb capacity winch and cable
Viewing Angle .....	>60°

### Trailer

Length Overall (operating) .....	122" (310 cm)
Length Overall (towing) .....	159" (404 cm)
Width Overall .....	75" (191 cm)
Width Across Fenders .....	75" (191 cm)
Height Traveling .....	95" (241 cm)
Ground Clearance .....	13" (33 cm) min
Height Operating .....	181" (460 cm)
Weight .....	1,600 lbs (726 kg) approximately
Coupler .....	Adjustable height; 2" (50 mm) ball or 3" (76.2 mm) pintle ring
Axle/Suspension .....	Torq flex, independent
Display Height .....	7 feet (213 cm) to bottom of sign

### MicroTech Control Console

Console Circuitry .....	Ultra-low power solid state
Console Touchscreen .....	Weather-resistant, backlit, five-button touchpad
Programming Software .....	Proprietary with automatic remotely managed upgrades (field upgradable for units not connected to Command Center)
Message Display Time .....	User-selectable (0.1 to 99 seconds)
Display Update Time .....	Instantaneous (nearly)
Non-volatile Memory .....	16 GB Micro SD card
Password Protection .....	User-selectable, all level access
Operator Interface .....	Easy-to-navigate menus (no manual required)
Connectivity .....	Supports NTCIP version 3 via UDP/IP over Ethernet, and PMPP over RS-232; Units with Remote Communications Option: UDP/IP over the built in cellular modem

### Energy Source

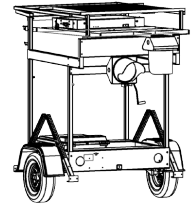
Operating Voltage .....	12 volts DC (nominal)
Battery Type .....	6 volt heavy duty, deep cycle (GC-2)
Number of Batteries .....	Four (4) lead acid (flooded)
Battery Bank Capacity .....	520 amp hours
Battery Status Indicator .....	Displays battery voltage, charging activity and low battery condition
Solar Construction .....	Top-mounted in aluminum frame
Solar Power Output .....	Standard 160 watt (nominal)
Solar Charge Controller .....	Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)

### Photocells

Two photocells located on the front and back of the speed sign provide enhanced adjustment to ambient light.



Custom Colors Available



Folded for transport.

### Beacon Lamps

Two (2) circular, 12" in diameter, amber LED lamps mounted horizontally centered on top of and below the speed sign. Flash rate: 50 - 60 per minute. Height with beacon lights: 15 feet. Automatic dimming feature (via control console) adjusts brightness under varying light conditions.

### Speed Limit Sign (Standard with RST)

Sign Sizes	
Speed Limit .....	48" w x 60" h (122 cm x 152 cm)
Work Zone .....	48" w x 12" h (122 cm x 20 cm)
Sign Construction .....	All aluminum, Type III Coated
Sign Height .....	7 feet (214 cm) to bottom of sign



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## OPTIONS AND UPGRADES

### Remote Communication

Includes GPS receiver, cellular transceiver, and FREE cellular service\*. Remotely access and track your SLT-2000.

*\*With this option, cellular service is provided free of charge, and is limited to carrier supported generational wireless technology.*

### Solar Array Options

- » 220 watt

### Battery Charger Options

- » 45 amp, 120 volt AC
- » 55 amp, 120 volt AC

### Controller Option

- » Upgrade to MegaTech Touch-screen Controller

### Battery Upgrades

- » Four (4) maint. free (Gel Cell or AGM), 520 amp/hour capacity
- » Six (6) lead acid (flooded) or maint. free (Gel Cell or AGM) 780 amp/hour capacity
- » Eight (8) lead acid (flooded) or maint. free (Gel Cell or AGM) 1040 amp/hour capacity

### Security Option

- » Anti-theft steel battery frame bolted to trailer
- » Vandal-proof battery box with reinforced steel cage

Learn more at [www.solartech.com](http://www.solartech.com)