



As Reliable as the Sun

# Silent Advisor Radar Speed Trailer

## USES AND ADVANTAGES

The "Silent Advisor" Radar Speed Trailer is a radar speed display available in two sizes for use on highways or on residential streets. These portable radar speed displays are designed to slow traffic for safety in neighborhoods, work zones, road construction and other venues.

Both the RST-1000 and RST-2000 Silent Advisors consist of a fixed Speed Limit sign and an LED display, powered by a combination of solar panels and batteries.

The RST-1000, designed for lower speed use, is 56" wide with stacked speed limit and LED speed displays.

The RST-2000 is designed for highway use, and is 76" wide with signs mounted side by side.

Data collection is built-in for easy analysis of statistics.

## OPTIONAL REMOTE COMMUNICATIONS

Remote communications option includes a GPS receiver, a cellular transceiver and **FREE lifetime cellular service\***.

Use with SolarTech's Command Center software for remote data retrieval – view the speed data from your laptop, PC or Smartphone.

## SILENT ADVISOR FEATURES:

- Truly Solar Powered - Engineered for continuous operation
- Brightest, Most Visible Display - Legible messages under all conditions
- Sign Panel Failsafe System - Automatically detects and corrects errors and faults
- CE Tested - Ensures complete electromagnetic compliance for superb reliability
- Custom Sign Case and Door Frame Extrusions - Sturdy, secure and weathertight
- Modular Construction - Easy maintenance and repair

**MODEL RST-1000**  
Bold Font



## EASY-TO-USE CONTROLLER OPTIONS



### MICROTECH CONTROLLER

- Touchpad interface
- Easy to manage menu
- Password Protection: 4 digit pin passcode to access all functions



### MEGATECH CONTROLLER

- Touch-screen controller
- Simple one page user interface
- Password Protection: Ability to assign up to 50 passwords with levels of access

## ADDITIONAL FEATURES:

- Three thresholds of speeding: Over-speed, Excessive Speed, Extreme Speed
- Fully networkable
- NTCIP version 3 compatible
- NO manual required- they are that easy to use!



**MODEL RST-2000**  
Bold Font

# Silent Advisor Radar Speed Trailers

## DISPLAY

Panel Size .....	36" x 29" (92 cm x 74 cm)
Panel Construction .....	All aluminum, modular construction
Matrix Size .....	9 x 12 pixels
Pixel Size .....	2.60" x 2.60" (66 mm x 66 mm), each pixel consists of three (3) LEDs
Number of Digits .....	Up to three (3) - (1st digit as "1")
Character Height .....	18" (46 cm) standard font; 23" (59 cm) bold font
Display Technology .....	LED (amber, 592 nm)
Display Life Expectancy .....	10 years typical
Viewing Angle .....	>60°

## TRAILER

	RST-1000	RST-2000
Length Overall (operating)	97" (246 cm)	122" (310 cm)
Length Overall (towing)	117" (298 cm)	111" (282 cm)
Width Overall	56" (142 cm)	76" (193 cm)
Width Across Fenders	56" (142 cm)	76" (193 cm)
Height Traveling	90" (229 cm)	91" (231 cm)
Ground Clearance	13" (33 cm) min.	13" (33 cm) min.
Height Operating	126" (320 cm)	136" (345 cm)
Weight	(both) 1,200 lbs (544 kg) approximately	
Coupler	(both) 2" (50 mm) ball or 2.5" (64 mm) pintle ring	
Axle/Suspension	(both) Torq flex, independent	
Display Height	RST-1000: 3.5 feet (107 cm) to bottom of LED display	RST-2000: 7 feet (214 cm) to bottom of LED display

## MICROTECH CONTROL CONSOLE

Console Circuitry .....	Ultra-low power solid state
Console Touchpad .....	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 .....	Two (2) lead acid (flooded)
Battery Bank Capacity .....	260 amp hours, two (2) batteries
Battery Status Indicator .....	Displays battery voltage, charging activity and low battery condition
Solar Array Construction .....	Top mounted in aluminum frame
Solar Array Power Output .....	Standard 110 watt (nominal)
Solar Charge Controller .....	Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)

## RADAR DETECTOR

Operating Frequency .....	24.150 GHz (K-Band)
Antenna Beam Angle .....	9° vertical, 18° horizontal
Target Speed Range .....	1 to 206 MPH (2 to 331 KPH)
Speed Accuracy .....	0.5 % of reading
Detection Distance .....	1,500 feet
Units .....	MPH or KPH (user-selectable)



**MODEL RST-1000**  
with Optional  
WORK ZONE Sign

Custom colors available

## SPEED LIMIT SIGN (Standard with RST)

Panel Size .....	30" wide x 36" high (77 cm x 92 cm)
Panel Construction .....	All aluminum, Type III Coated
Numerals .....	First Digit - 1, 2, 3, 4, 5, 6, 7 or 8 Second Digit - 0 or 5
Sign Height .....	7 feet (214 cm) (both units); measured from the ground to the bottom of the sign.

## OPTIONS AND UPGRADES

### LARGER SPEED LIMIT SIGN

RST-2000: 48" w x 60" h (122 cm x 153 cm)

### WORK ZONE SIGN

RST-1000: 48" w x 12" h (122 cm x 30.5 cm)

### REMOTE COMMUNICATIONS OPTION

Option includes GPS receiver, cellular transceiver, and FREE cellular service\*. Remotely access and track your Radar Speed Trailer. \*With this option, cellular service is provided free of charge, and is limited to carrier supported generational wireless technology.

### SOLAR ARRAY UPGRADE - BOTH UNITS

- 160 watt

### BATTERY UPGRADES

#### BOTH UNITS - RST-1000 and RST-2000

- Two (2) maint. free (Gel Cell or AGM), 260 amp/hour capacity
- Four (4) lead acid (flooded) or maint. free (Gel Cell or AGM) 520 amp/hour capacity

#### RST-2000 ONLY

- 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

### BATTERY CHARGER OPTIONS - BOTH UNITS

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

### CONTROLLER OPTION - BOTH UNITS

- Upgrade to MegaTech Touchscreen Controller

### SECURITY OPTION - BOTH UNITS

- Anti-theft steel security frame bolted to trailer
- Vandal-Proof Battery Box reinforced steel cage



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