Silent Advisor

PRODUCT GUIDE

Radar Speed Trailer (RST)

MODEL RST-1000
MODEL RST-2000

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.

5 Year LIMITED Warranty SINCE 2009

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

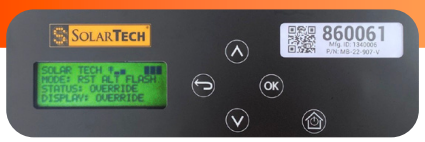
EASY-TO-USE CONTROLLER OPTIONS

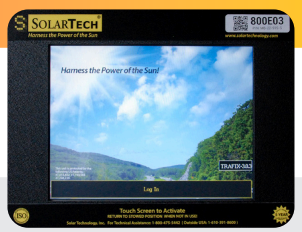
MICROTECH CONTROLLER

- 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!

Learn more at www.solartechnology.com

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SOLARTECH®
AS RELIABLE AS THE SUN

Silent Advisor

Silent Advisor

Radar Speed Trailer (RST)

MODEL RST-1000

with Optional WORK ZONE Sign

Custom colors available

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 3" (76 mm) pintle ring	
Axle/Suspension	(both) Torq flex, independent	
Display Height	3.5 feet (107 cm) to bottom of LED display	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 Construction	Top-mounted in aluminum frame
Solar 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)

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 through 8 Second Digit - 0 or 5
Sign Height	7 feet (214 cm) (both units); measured from the ground to the bottom of the sign.

SCAN ME

OPTIONS AND UPGRADES

Remote Communications

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.*

Larger Speed Limit Sign

RST-2000: 48" w x 60" h (122 cm x153 cm)

Work Zone Sign

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

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

» 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

Security Option (both units)

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

Controller Option (both units)

» Upgrade to MegaTech Touch-screen Controller

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REV 202406