



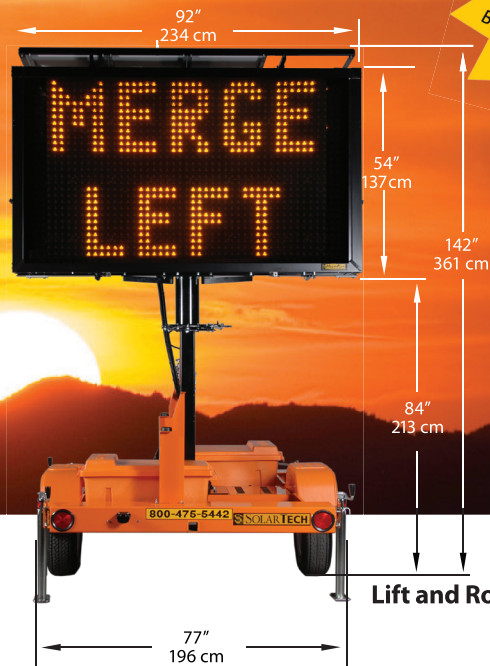
Harness the Power of the Sun

SILENT MESSENGER II

DYNAMIC MESSAGE SIGNS
FOR LIMITED-SPACE APPLICATIONS



Standard Trailer



Lift and Rotate Trailer

Powerful Control Technology included with each unit:

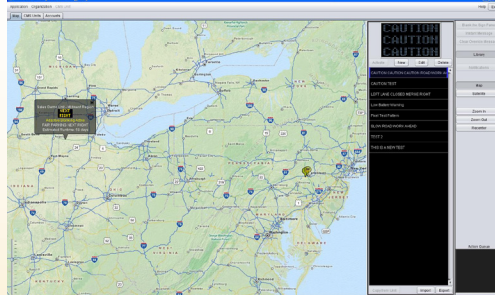


- Intuitive, 10.4" LCD touch-screen GUI.
- So easy to operate that no instructions are needed!
- Multi-lingual capability allowing use throughout the world.
- Message scheduler for date/time and event-based messages.
- NTCIP compatibility for fast, simple integration into standard ITS installations.
- Integrated GPS receiver.
- USB "thumb drive" interface for fast, easy software updates (via the SolarTech website), as well as data collection (with optional Radar).

Remote Control and Diagnostics (with Modem Option)

COMMAND CENTER

Manage, Monitor and Segment your Fleet of Traffic Safety Equipment



- GPS mapping of all units
- Group control and management of fleet
- Limit Liability - permanent log records what messages are displayed, and when
- Automatic notifications and alerts



- Be notified of message change, location change, low battery, etc.
- Improve worker and driver safety
- Make fewer trips to the site by using remote diagnostics
- Have less "down time"

SMARTPHONE CONTROL

- Full control of your message board from your smartphone.
- No software or apps required.
- Totally secure - IP Address, user name and password required.
- Messaging - system status, geo-location and diagnostics accessible from anywhere that your smartphone works.



310-SIGN

Have any questions about these products? Speak to an expert at 310-SIGN.

Toll Free North America 1-844-289-7446

hello@310sign.ca

310SIGN.CA

DISPLAY PANELS

Panel Size	92" wide x 54" high (234 cm x 137 cm)
Pixel Size	1.77" x 1.77" (45 mm x 45 mm)
Character Height	9" to 46" (23 cm to 117 cm)
Matrix Size	27 x 48 pixels
Panel Construction	All aluminum, modular construction
Panel Face	3/16" polycarbonate, non-glare
Characters per Line	Up to twelve (12)
Number of Lines	Up to four (4)
Number of Fonts	Twelve (12)
Graphics Capability	Full matrix with full animation
Display Technology	LED (amber, 592 nm)
Display Brightness	> 10,000 candela per square meter
Display Life Expectancy	10 years typical
Viewing Angle	23° horizontal (minimum)

TRAILER

	Standard Trailer	Lift & Rotate Trailer
Length Overall (operating)	112" (284 cm)	108" (274 cm)
Length Overall (towing)	112" (284 cm)	152" (386 cm)
Width Overall	92" (234 cm)	77" (196 cm)
Width Across Fenders	75" (191 cm)	77" (196 cm)
Height Traveling	92" (234 cm)	101" (257 cm)
Ground Clearance	13" (33 cm)	13" (33 cm)
Height Operating	142" (360 cm)	142" (360 cm)
Weight of MB II Panel	1,560 lbs (708 kg) approx.	2,000 lbs (907 kg) approx.
Coupler	2" (50 mm) ball or 2.5" (64 mm) pintle ring	2" (50 mm) ball or 3" (76 mm) pintle ring
Lifting Mechanism	1,000 lb. automatic brake, winch and cable	1,000 lb. electric linear actuator
Axle/Suspension	Torq flex, independent	Torq flex, independent

ENERGY SOURCE

Operating Voltage	12 volts DC (nominal)
Battery Type	6 volt heavy-duty, deep cycle (GC-2)
No. of Batteries	Four (4) standard lead acid (flooded)
Battery Bank Capacity	520 amp hours
Battery Status Indicator	Displays battery voltage, charging activity, and low battery condition
Solar Array Construction	Top-mounted solar panels in aluminum frame
Solar Array Power Output	Standard 160 W (nominal)
Solar Charge Controller	Automatic, temperature compensated
Auxiliary Battery Charger	45 amp, 120 volt AC

MEGA-TECH CONTROL CONSOLE

Console Circuitry	Ultra-low power solid state
Console Touchscreen	Waterproof, backlit, full-color GUI, intuitive icon-driven, multi-lingual
Programming Software	Proprietary, field upgradable
Message Capacity	Pre-programmed and user programmed greater than 250 each
Time-Date Control	Real time clock/calendar (365 day)
Message Display Time	User-selectable (0.1 to 99 seconds)
Display Update Time	Instantaneous
Non-volatile Memory	512 MB compact flash
Password Protection	User selectable, multi-level
Operator Interface	Easy-to-use icons (no manual required)
Connectivity	Network (wired or wireless), NTCIP compatible

OPTIONAL FEATURES AND UPGRADES

Sign Panel Upgrades

- Mega Flux Display - 60° viewing angle (available for all models)
- 30 x 48 pixels at 1.77" (45 mm) pixel pitch (MBII Lift & Rotate only)
- 30 x 56 pixels at 1.77" (45 mm) pixel pitch (MBII Lift & Rotate only)

Brakes

- Hydraulic Surge Brakes (5,000 lb. capacity)
- Electric Brakes

Battery Upgrades

Type	Number	Capacity
Lead-Acid (flooded)	Six (6)	780 amp hour
	Eight (8)	1040 amp hour
Gel Cell or AGM (maintenance free)	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour

Solar Array Upgrades

- 240 watt
- 320 watt

Remote Control Options

- Short range wireless - 802.11 WiFi
- Cellular Wireless - GPRS (CDMA/GSM) with GPS
- Solar Comm - secure, low cost GSM

Security Options

- Alarm, including GPS Locator/Recovery System
- Battery box metal lockdown frame

Radar Options

- Directional doppler K-Band. user-configurable KPH or MPH.
Data collection and statistical analysis package included.

OTHER SOLAR TECH PRODUCTS

SILENT SENTINEL

Trailer and Vehicle Mount Arrow Boards

SILENT MESSENGER

Full-Size Trailer-Mount Message Boards

SILENT MESSENGER III

Small-Size Trailer and Vehicle Mount Message Boards

SILENT MESSENGER IV

Small-Size Trailer and Vehicle Mount Message Boards

SILENT ADVISOR

Low and High-Speed Application Radar Speed Trailers

INCIDENT RESPONSE TRAILER

Work Zone Trailer with Cones and Barrels

SOLAR-POWERED PORTABLE TOWER TRAILER

Platform for Cameras, Sensors and/or Lighting

SOLARTRAK

Monitoring and GPS Tracking of Construction Equipment

All models meet or exceed the standards for Portable Changeable Message Signs and Flashing Arrow Panels as listed in the U.S. Federal Highway Administration (FHWA) Manual or Uniform Traffic Control Devices (MUTCD). Specifications subject to periodic updates as required without notice.



SOLAR TECHNOLOGY, INC.

7620 Cetronia Rd. Allentown, PA 18106

Phone: 800-475-5442 or 610-391-8600

www.solartechnology.com