

# Silent Messenger

## PRODUCT GUIDE

### 3 Line 8 Character Message Board

For budget sensitive customers who do not require a full matrix board, SolarTech offers an affordable alternative: you can opt to have our Full Size MB configured as a 3-Line, 8-Character display.

This portable changeable message sign includes a sturdy steel trailer, and is powered by a combination of solar panels and batteries. The sign raises on a lift and rotate mast, and can be aligned for optimal visibility.

The 3-Line 8-Character board option consists of a 126" w x 76" h sign panel with 3 rows of 8 modules (each module with a 5 x 7 pixel array of LED's).

### OPTIONAL REMOTE COMMUNICATIONS\*

The upgrade includes a GPS receiver, cellular transceiver, **FREE lifetime cellular service\***, and access to Command Center.

Manage your fleet from your laptop, PC, or smartphone... without leaving your desk!

Control units individually or broadcast to a group.

Access units from a map or list.

Build a message library, share messages between boards, schedule messages and more.

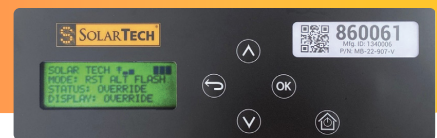
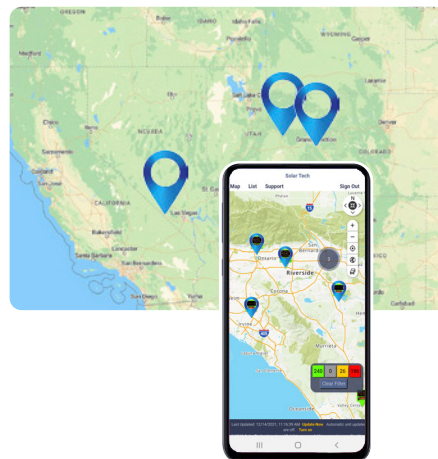
Set up automatic email notifications when a message changes, if the battery voltage is low, if a pixel fails, or if the unit moves.

View battery analytics and the history of displayed messages.



### EASY-TO-USE MICROTECH CONTROLLER

- » Touchpad Interface
- » Easy to manage menu: Pre-loaded messages
- » USB Plug-in silicone keyboard
- » Password Protection: 4 digit pin passcode to access all functions
- » Fully networkable
- » NTCIP version 3 compatible
- » No Manual required - they are that easy to use!



Available options and upgrades include:

- ✓ Remote access
- ✓ Additional solar panels
- ✓ Battery upgrades
- ✓ Radar, and security options

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

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## 3 Line 8 Character Message Board

### Display Panel

Panel Size .....	126" x 76" (305 cm x 178 cm)
Panel Construction.....	All aluminum, modular construction
Panel Face .....	3/16" polycarbonate, non-glare
Pixel Pitch.....	2.6" x 2.6" (66 mm x 66 mm)
Characters per Line.....	Eight (8)
Number of Lines.....	Three (3)
Number of Fonts .....	One (1)
Character Height.....	18" (46 cm)
Graphics Capability.....	Limited (Chevrons and Arrows)
Display Technology .....	LED (amber, 592 nm)
Display Brightness .....	>10,000 candela per square meter
Viewing Angle.....	>60°
Display Life Expectancy.....	10 years typical

### Trailer

Length Overall .....	186" (472 cm)
Width Overall.....	92" (234 cm)
Height Traveling.....	108" (274 cm)
Height Operating .....	164" (417 cm)
Ground Clearance .....	13" (33 cm) minimum
Weight (minimum) .....	2,900 lbs. (1,315 kg)
Weight (maximum).....	3,500 lbs. (1,588 kg)
Coupler (Class III) .....	2" (50 mm) ball or 3" (76 mm) pintle ring
Axle/Suspension .....	Torq flex independent

### 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 updtades (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 necessary)
Connectivity.....	Supports NTCIP version 3 via UDP/IP over Ethernet, and PMPP over RS-232; Units with Remote Communications Options: 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) standard 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 solar panels in aluminum frame
Solar Power Output.....	Standard 160 watt (nominal)
Solar Charge Controller .....	Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)



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## OPTIONS AND UPGRADES

### MegaTech Contoller Option

- » Touchscreen Controller
- » Simple on page user interface
- » Password protection: Ability to assign up to 50 passwords with levels of access



### Solar Array Upgrades

- » 220 watt
- » With MegaTech Controller Upgrade: 270, 330, 440, 490 watt

### Battery Upgrades

Type	Number	Capacity
Lead-Acid (flooded)	Six(6)	780 amp hour
	Eight (8)	1040 amp hour
	Ten (10)	1300 amp hour
	Twelve (12)	1560 amp hour
Gel Cell or AGM (maintenance free)	Four (4)	520 amp hour
	Six(6)	780 amp hour
	Eight (8)	1040 amp hour
	Ten (10)	1300 amp hour
	Twelve (12)	1560 amp hour

### Battery Charger Upgrade

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

### Brakes

- » Hydraulic Surge Brakes (5,000 lb Capacity)
- » Electric Brakes

### Battery Security Option

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

### Radar Options

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

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