



# Silent Messenger III Message Board Mid-Sized

## USES AND ADVANTAGES

The "Silent Messenger III" mid-sized message board is a truly reliable workhorse. A 27 x 48 pixel full matrix LED display on a sturdy steel trailer is powered by both solar panels and batteries.

Display sign panel measures 80" wide by 48" high, giving a clean crisp readable message. Available in either a foldable or a Lift and Rotate trailer.

## OPTIONAL REMOTE COMMUNICATIONS AND GPS TRACKING!

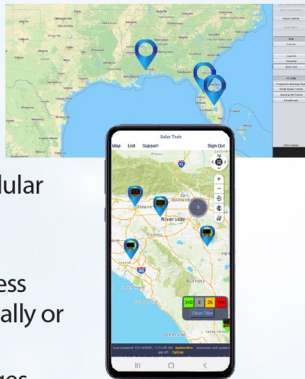
When choosing this option, your Message Board will come with a GPS receiver, cellular transceiver, and **FREE lifetime cellular service\***. Use with SolarTech's Command Center software for remote communication. This software allows you to track your equipment using the built-in cellular transceiver and GPS system.

Manage your fleet from your laptop, PC or smartphone... without leaving your desk! Access units from a map or list. Control units individually or broadcast to a group.

You can build a message library, share messages between boards, schedule messages and more.

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

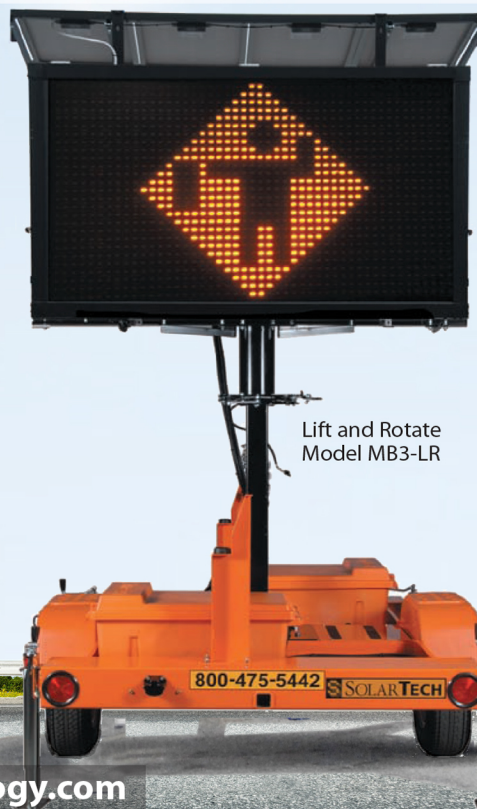
Keep tabs on your whole fleet. No more misplaced equipment... fewer problems... less downtime!



## EASY-TO-USE CONTROLLER

The touch-screen controller needs no manual - it's that easy to use! Includes:

- Password protection
- Intuitive icons for ease of use
- Scheduling capability
- Fully networkable
- NTCIP version 3 compatible



Lift and Rotate  
Model MB3-LR



Foldable  
Trailer Mounted  
Model MB3

# Silent Messenger III Message Board

## DISPLAY PANELS

Panel Size .....	80" x 47.5" (203.2 cm x 120.7 cm)
Pixel Size.....	1.50" x 1.50" (38 mm)
Character Height .....	7" to 30" (27 cm to 76 cm)
Matrix Size .....	27 x 48 pixels
Panel Construction .....	All aluminum, modular
Panel Face .....	3/16" polycarbonate, non-glare
Number of Fonts .....	Twelve (12)
Graphics Capability .....	Full matrix with full animation
Display Technology .....	LED (amber, 592 nm)
Display Brightness .....	>10,000 cd/m2 (candela per sq. meter)
Viewing Angle .....	>60°

## TRAILER

	Standard Trailer	Lift & Rotate Trailer
Length Overall (operating)	112" (284 cm)	108" (274 cm)
Length Overall (traveling)	112" (284 cm)	152" (386 cm)
Width Overall	91" (231 cm)	77" (196 cm)
Width Across Fenders	75" (190 cm)	77" (196 cm)
Ground Clearance	13" (33 cm)	13" (33 cm)
Height Traveling	92" (234 cm)	101" (257 cm)
Height Operating	142" (360 cm)	142" (360 cm)
Weight	1,182 lbs (536 kg)	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

## MEGA-TECH CONTROL CONSOLE

Console Circuitry .....	Ultra-low power solid state
Console Touchscreen .....	Weather-resistant, backlit, full-color GUI, intuitive icon-driven, multi-lingual: five international languages
Programming Software .....	Proprietary, field upgradable (for units that are not connected to Command Center)
Message Capacity .....	Pre-programmed and user-programmed: > 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 .....	16 GB Micro SD card
Password Protection .....	User-selectable, multi-level
Operator Interface .....	Easy-to-use icons (no manual required)
Connectivity .....	Networkable (wired or wireless) and NTCIP compatible (Ethernet & RS-232)

## 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)



SCAN ME



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P/N 500-023-010 Rev. L 2022



MB III lowered and folded compactly for transport.

## OPTIONS AND UPGRADES

### UPGRADES - FOR LIFT AND ROTATE TRAILER ONLY

Tilt and Rotate Solar Arrays:  
• 220 watt • 330 watt

### SOLAR ARRAY UPGRADES - BOTH TRAILERS

Fixed Solar Arrays: • 220 watt • 270 watt • 330 watt

### REMOTE COMMUNICATIONS

Includes GPS receiver, cellular transceiver, and FREE cellular service.\* Remotely access and track your Message Board. \*With this option, cellular service is provided free of charge, and is limited to carrier supported generational wireless technology.

### BATTERY UPGRADES

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

### BATTERY CHARGER OPTIONS

• 45 amp, 120 volt AC • 55 amp, 120 volt AC • 90 amp, 120 volt AC

### BRAKE OPTIONS

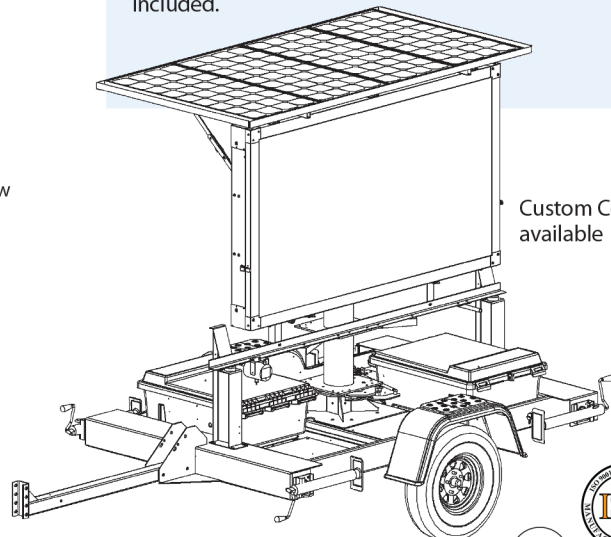
Hydraulic surge brakes (5,000 lb. capacity) or Electric brakes

### SECURITY OPTION

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

### RADAR OPTIONS

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



Custom Colors available



[www.solartechology.com](http://www.solartechology.com)

Made in the USA